

# **NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**



## **Reaccreditation and Reassessment Report 2011 - 2017**



**Address : Wilson College, Girgaum Chowpatty,  
Mumbai - 400 007, Maharashtra.**  
**website : [www.wilsoncollege.edu](http://www.wilsoncollege.edu) / Fax : 022 - 42134304**  
**email : [wilsoncollege.mumbai@gmail.com](mailto:wilsoncollege.mumbai@gmail.com)**  
**Tel : 022 - 23637663 / 022 - 42134343.**

## TABLE OF CONTENTS

<b>A.</b>	<b>Abbreviations</b>	<b>1</b>
	<b>NAAC Steering Committee</b>	<b>3</b>
	<b>Cover Letter of the Principal</b>	<b>4</b>
	<b>Letter of Compliance of the Principal</b>	<b>5</b>
	<b>Executive Summary</b>	<b>6</b>
	<b>Profile of the College</b>	<b>13</b>
<b>B.</b>	<b>Criterion-Wise Inputs</b>	
	Criterion I: Curricular Aspects	<b>26</b>
	Criterion II: Teaching- Learning and Evaluation	<b>46</b>
	Criterion III: Research, Consultancy and Extension	<b>79</b>
	Criterion IV: Infrastructure and Learning Resources	<b>121</b>
	Criterion V: Student Support and Progression	<b>143</b>
	Criterion VI: Governance and Leadership	<b>167</b>
	Criterion VII: Innovative Practices	<b>191</b>
<b>C.</b>	<b>Evaluative Reports of the Departments</b>	<b>206</b>
<b>D.</b>	<b>Post Accreditation Initiatives</b>	<b>353</b>
<b>E.</b>	<b>Declaration of the Head of the Institution</b>	<b>357</b>
<b>F.</b>	<b>Annexures</b>	<b>358</b>



**ABBREVIATIONS**

<b>Acronym</b>	<b>Full Form</b>
<b>AC</b>	Academic Council
<b>AVC</b>	Andrew's Vision Centre
<b>BAF</b>	Bachelor of Accounts and Financing
<b>BARC</b>	Bhabha Atomic Research Centre
<b>BEST</b>	Brihanmumbai Electric Supply and Transport
<b>BITS</b>	Birla Institute Of Technology And Science
<b>BMC</b>	Brihanmumbai Municipal Corporation
<b>BMM</b>	Bachelor of Mass Media
<b>BMS</b>	Bachelor of Management Studies
<b>BOM</b>	Board of Management
<b>BoS</b>	Board of Studies
<b>CAP</b>	Centralized Assessment Programme
<b>CAS</b>	Career Advancement Scheme
<b>CBCS</b>	Choice Based Credit System
<b>CEP</b>	Cooperative Education Programme
<b>CNI</b>	Church of North India
<b>CS</b>	Communication Skills
<b>CV</b>	Curriculum Vitae
<b>DST</b>	Department of Science and Technology
<b>DVD</b>	Digital Video Diskette
<b>ESEP</b>	Employability Skill Enhancement Programme
<b>FC</b>	Foundation Course
<b>FDP</b>	Faculty Development Programme
<b>FIP</b>	Faculty Improvement Program
<b>FIST</b>	Fund for Improvement of Science and Technology Infrastructure
<b>FYBA</b>	First Year Bachelor of Arts
<b>FYBMM</b>	First Year Bachelor of Mass Media
<b>FYBMS</b>	First Year Bachelor of Management Studies
<b>FYBSc</b>	First Year Bachelor of Science
<b>FYIT</b>	First Year Information Technology
<b>GATE</b>	Graduate Aptitude Test in Engineering
<b>GoI</b>	Government of India
<b>HoD</b>	Head of Department
<b>IAS</b>	Indian Administrative Services
<b>ICT</b>	Information and Communications Technology
<b>IIT</b>	Indian Institute of Technology
<b>INFLIBNET</b>	Information and Library Network
<b>IQAC</b>	Internal Quality Assurance Cell
<b>ISBN</b>	International Standard Book Number
<b>ISR</b>	Council of Scientific and Industrial Research
<b>JAWS</b>	Job Access With Speech
<b>LAN</b>	Local Area Network
<b>LCD</b>	Liquid Crystal Display

<b>LED</b>	Light Emitting Diodes
<b>LMC</b>	Local Managing Committee
<b>M.Phil</b>	Master of Philosophy
<b>MoU</b>	Memorandum of Understanding
<b>NAAC</b>	National Assessment and Accreditation Council
<b>NCC</b>	National Cadet Corps
<b>NGO</b>	Non- Government Organisation
<b>NOC</b>	No Objection Certificate
<b>NSS</b>	National Service Scheme
<b>OBC</b>	Other Backward Caste
<b>OHP</b>	Overhead Projector
<b>OPAC</b>	Online Public Access Catalogue
<b>PBAS</b>	Performance Based Assessment System
<b>PhD</b>	Doctor of Philosophy
<b>RSC</b>	Royal Society of Chemistry
<b>SC</b>	Schedule Caste
<b>SJR</b>	SCImago Journal Rank
<b>SNIP</b>	Source Normalized Impact per Paper
<b>ST</b>	Schedule Tribe
<b>SWOC</b>	Strengths, Weakness, Opportunities, Challenges
<b>SYBA</b>	Second Year Bachelor of Arts
<b>SYBSc</b>	Second Year Bachelor of Science
<b>TAQ</b>	Teacher Assessment Questionnaire
<b>TIFR</b>	Tata Institute of Fundamental Research
<b>TISS</b>	Tata Institute of Social Sciences
<b>TYBA</b>	Third Year Bachelor of Arts
<b>TYBMM</b>	Third Year Bachelor of Mass Media
<b>TYBMS</b>	Third Year Bachelor of Management Studies
<b>TYBSc</b>	Third Year Bachelor of Science
<b>TYCS</b>	Third Year Bachelor of Computer Science
<b>TYIT</b>	Third Year Bachelor of Information Technology
<b>UG</b>	Undergraduate
<b>UGC</b>	University Grants Commission
<b>UNESCO</b>	United Nations Educational, Scientific and Cultural Organisation
<b>WCNC</b>	Wilson College Nature Club
<b>WDC</b>	Women's Development Cell
<b>Wi-fi</b>	Wireless Fidelity

## **NAAC Steering Committee Members**

**Dr. V. J. Sirwaiya, Principal**

**Ms. Shehernaz Nalwalla, IQAC & NAAC Coordinator**

Dr. H. Badkar

Mr. S. Deodhar

Dr. A. Masarguppi

Mr. M. D'Souza

Dr. A. Kumar

Dr. S. Bootwala

Ms. V. Mathew

Ms. K. Sirwaiya

Mr. S. Solomonraj

Ms. V. Bhonsle

Dr. A. Uzgare

Dr. K. Aruna

Ms. M. Philip

Ms. M. Gore

## **Cover Letter of the Principal**

Starting as an elementary school in 1832 this institution has grown to what it is today. Though not large in terms of size and resources, its imprint on the history of the University and the city has been larger than life. Attribute to its visionary founders, legendary teachers and illustrious students who have contributed their mite towards providing academic and social leadership is the way it inspires current generation of teachers and students. It is this continuous inspiration which drove the institution to go through two cycles of accreditation and get accredited with ‘A’ grade.

Into the third cycle we have increased our footprint in the area of research, social action, green initiatives, certificate courses and professional self-financing courses, moving in tune with the demands of a contemporary understanding of what an educational institution stands for. In doing so our vision has evolved to reflect the demands of a technologically and socially advanced civilization. Yet we remain true to the mission of our founder Dr. John Wilson who stated these graduate attributes in terms of the Vision and Mission of the institution almost century ago; and by finding ways of making them relevant to the present.

We entered this cycle with a purpose and hope that we step higher in our quest of excellence on the strength of the work that we have done and as this report reflects.

The last five years has been a continuous journey of introspection and effort to provide learners with a learning ethos and a large number of stimulus points. Different stakeholders have done their bit in helping the college achieve its objectives overall.

Dr. V.J. Sirwaiya

Principal





JOHN WILSON EDUCATION SOCIETY'S

**Wilson College**

(ESTD. 1832)

Chowpatty, Mumbai - 400 007. Tel. No. 23637663 / 23690876 / 42134343 Fax : 022-42134304  
www.wilsoncollege.edu. E-mail: wilsoncollege.mumbai@gmail.com

### Certificate of Compliance

This is to certify that Wilson College, Chowpatty, Mumbai – 400 007 fulfils all norms

1. Stipulated by the affiliating University and / or
2. Regulatory Council / Body (such as UGC, NCTE, AICTE, MCI, DCI, BCI, etc.) and
3. The affiliation and Recognition is valid as on date.
4. In case the affiliation / recognition is withdrawn by the authority concerned the same will be informed to NAAC immediately. In case the affiliation / recognition is conditional then a detailed enclosure with regard to compliance of conditions by the institutions will be sent.

It is noted that NAAC's accreditation, if granted, shall stand cancelled automatically, once the institution loses its University affiliation or recognition by the regulatory council as the case may be.

In case the undertaking submitted by the institution is found to be false then the accreditation given by NAAC is liable to be withdrawn.

It is also agreeable that the undertaking given to NAAC will be displayed on the college website.

(Dr. V.J. Sirwaiya)  
Principal

Place : Mumbai  
Date : 30/03/2017

MINORITY MANAGEMENT Regd. Trust and Society Reg. No. F-1146 (Bom) and No. Bom. 92/1963 GBBSD.

## **Executive Summary**

Wilson College as a 181 year old institution, has retained the dynamism and vision of its founding fathers. The John Wilson Education Society to which Wilson College belongs is committed to the idea of the transformative role of education. While retaining its core values, the College has continuously explored opportunities and encouraged its stake holders to adapt to contemporary needs and challenges. From a small school ( in 1832) which functioned from the residence of Dr. Wilson, to the starting of the collegiate section, the college has grown into a multi-disciplined educational institution that is spread over three buildings on the campus, with two hostels and a gymkhana on Marine Drive. Wilson College continues to be guided by the Christian spirit of Faith, Hope and Love, and has always been student centric.

**The Vision** has evolved ‘to provide holistic education to a diverse student community, developing in them contemporary sensibilities and preparing them to meet professional challenges as global citizens’.

**The Mission** motivates the institution ‘to produce intellectually well trained socially sensible, morally upright, spiritually oriented young men and women’.

### **Institutional objectives**

1. Ensure that adaptation and innovation become an integral part of the teaching-learning process.
2. Emphasize skill based professional degree programmes along with liberal Arts and Science programmes.
3. Build a strong research orientation among students and staff.
4. Provide academic leadership through multi-disciplinary festivals and seminars.
5. Ensure dynamism through new learning opportunities and innovations in existing courses.
6. Strengthen the affiliation with Mumbai University by actively participating in fulfilling its educational objectives.
7. Build a strong institutional social responsibility framework.
8. Help build a sense of belonging to the Indian nation and help achieve greater national integration along with broad based development.
9. Train students and teachers to acquire global competencies and the orientation of a global citizen.

### **Academic objectives**

1. Instill the drive for academic excellence and ensure qualitative improvement in performance.
2. Provide eclectic learning experiences and opportunities.
3. Make inter disciplinary approaches to education a part of the Wilson College academic ethos.
4. Inculcate a stronger research orientation in teachers and learners.
5. Help develop analytical, critical thinking and creative thinking skills.

### **Holistic development objectives**

1. Develop multiple intelligences by encouraging co-curricular, and extra-curricular activities.
2. Encourage students to organize events, festivals and outreach programs.
3. Build a bridge between individual growth and social needs.

### **Nation building and global sensitivity objectives**

1. Root all learning in the current socio-economic challenges.
2. Sustain an attitude of giving back to the society and nation.
3. Provide exposure to Indian diversity and help students engage with it meaningfully.
4. Help build global competencies and an adequate understanding of the World beyond India.

Wilson College is a Christian minority institution, where there is a provision as per University statutes for 50% reservation for admission. More importantly, the institution is guided by Christian values that have helped to sustain it through various ups and downs of the College history. Being an old institution, systems have evolved which remain in place through the changing tenures of staff and principals and eventually help in leveling out internal conflicts which are inevitable in any institution.

Founded twenty five years prior to the establishment of the University; and as the first private college to be affiliated to the University of Bombay in 1861, Wilson College enjoys the status of being both an affiliated and constituent College. The symbiotic relationship between the College and the University has seen several of our Principals nurture and provide direction to the University during its early years. Several Principals and alumni have been Vice Chancellors of the University. Continuing this tradition, staff members play an important role in the University, be it framing of the syllabus or discharging their duties as examiners and paper setters. Chancellors and Vice Chancellors have been regular visitors to the College.

While maintaining its primary identity as a liberal arts and science educational institution, the College has well established professional courses. Responding to the changing needs of students, the College has started its first commerce course: B.Com in Accounting and Finance, as well as its first professional self-financing post graduate course in MSc Information Technology. Since the College is affiliated to the University, curriculum framing is not within the direct purview of the college. To compensate this, several certificate courses have been introduced with knowledge, applicability and employability components.

From the time of its inception, the College has catered to the needs of a diverse student body, represented today by students from almost all states of India speaking varied languages and following different faiths. Often first generation learners, the socio-economic profile of our students is a healthy heterogeneity. Across disciplines, the enrolment of girls is more than 50%. Visually challenged students and those with

learning disability are easily assimilated. The diversity of our students is our strength. Studying together, they imbibe a spirit of dialogue and tolerance. Further the two hostels offer opportunities for healthy coexistence. Continuing with the vision of Dr. John Wilson, the College firmly believes that value orientation and academic excellence go hand in hand.

The open admission policy where the students form a healthy mix, has proved a challenge for the teachers. The range of academic competencies of our students is wide. The students with learning disabilities, the average student working towards a degree, the disinterested student and the advanced learners all come together in a classroom. We are constantly negotiating the space between the role of education as an opportunity for broadening the mind and preparing student for future employment and being good citizens.

To cater to the diverse student community the College has initiated lectures, seminars, workshops for staff and students under Expanding Intellectual Horizons (for advanced learners), Enrichment Lectures (enhancing the syllabus), Thinkers' Forum (Talks by eminent thinkers/scientists), and Good Citizens' Forum (Persons from public life). Equally, remedial coaching is provided for visually challenged students, students with learning disabilities and slow learners.

Research is an important part of our academic culture. The formation of a Research Committee provision in the budget for seed money from the management for research by teachers and students, the increase in UGC funding for research, obtaining a DST FIST grant and the increase in major and minor projects has given research a major boost. Student research has got a big boost as students routinely present papers across colleges and at the University. Two of our teachers have been promoted to the post of Professor.

The Library forms a rich repository of learning resources. It has a wide range of books which include the latest subject related books, books of general nature and interest. The library also has a large number of books of antiquarian value. There is a browsing centre for the staff and students. The entire library catalogue is available on the College website.

While ICT is being developed as an important tool to keep up with the contemporary demands of teaching, the role of discussions and debates in developing the critical faculties of the students is not undermined. Interesting methods like map reading, use of songs, newspaper cuttings, films, role play, etc., are incorporated in the teaching learning process. Moving out of the classroom, industrial and field visits further enrich the process of learning. Though exams are an important part of the educational process, students are encouraged to develop faculties that increase their thirst for knowledge, and make learning a lifelong process.



Wilson College is one of the few colleges with a gymkhana. The College reiterates the role of sports as an important aspect in the overall development of our students. Special coaching is given for individual sports and our women students are doing extremely well. With its large playground on Marine Drive and open spaces on campus and Mackichan Hall, several sports facilities are available on site.

Social outreach is basic to the Wilson ethos. Moving beyond the Christian virtue of charity, 'social consciousness' forms an integral part of the College mission. The College has always responded to crises situations, by engaging with people and communities in need. The NSS, the hostels, Nature Club routinely conduct various outreach activities. The BMS, BMM, Microbiology, and Physics departments, have institutionalized outreach. The College has pledged itself to its own Charter for Institutional Social Responsibility.

Wilson College cherishes the legacy of its students and staff contribution to the freedom struggle. In keeping with this legacy the College celebrates Anti War Day, Peace Day, Constitution Day, etc. Since 2014, the Arts departments celebrate a three day Festival of Peace.

Long before protection of the environment became an urgency and need the Nature Club carried out sensitizing programmes and provided ecological leadership to other colleges in the city by working closely with the Bombay Natural History Society and World Wildlife Fund. Healthy environmental practices have been internalized where the college has associated with several NGOs to reuse and recycle waste e.g. our NAAC report has been printed on recycled waste paper from the college and processed by a NGO with whom we have several green initiatives. In the heart of a bustling, concrete jungle, the college has green spaces within its campus with a rich biodiversity.

Through discussions and critical self-analysis, the College has been constantly evolving according to relevant contemporary sensibilities. Systems are in place where institutional accountability has been carried out through Academic Audit, Administrative Audit, Gender Audit, Green Audit and Financial Audit.

The Management plays a proactive and supportive role. It has encouraged the starting of self-financing courses and regularly contributes to the upkeep of infrastructure. The College believes in participatory governance and considerable freedom is given to the different committees and teachers-in -charge to evolve their respective programs as per their vision.

One of the defining characteristics of Wilson College, is a strong and abiding rapport between teachers and students. Alumni revisit college as resource persons, offering financial assistance or helping with placements. Long after students graduate, their bond remains with the College; teachers continue to be mentors and guides. Students have often spoken of the life transformative experiences as a result of being in the CEP, the Nature Club, as well as the positive influence of some teachers. The process

of teaching –learning at Wilson College has a human face where students are not aggregated, but are perceived as individuals with specific qualities and needs, and teachers identify and nurture their multiple and varied intelligences.

Post the second cycle of NAAC, a lot of introspection was done to find ways in which the College can create and instill energy and a proactive spirit in the general work atmosphere. One major step in this direction was the restructuring of the IQAC and coming up with tangible objectives. The IQAC took up several areas of concern and began working on solutions - from curricular and examination feedback which was conveyed to the Boards of Studies and other appropriate authorities, to research, to environmentally friendly practices, to outreach, to increasing ICT, to making learning relevant to employability and the starting of certificate courses.

The graduate attributes of a Wilson College student is the realization of her/ his intellectual, social, moral and spiritual potential. The new enlarged vision of the College envisages our graduate students to be professionally competent in a globalized world. The tradition of Heritage has been defined not only in terms of the Domestic Gothic structure of the college building but also by the several practices which preserve a link with the past. The College seeks inspiration and direction even today from the several traditions that have made the College what it is.

In conclusion, we look to the evolution of this institution in synchrony with the future and simultaneously carry forward the values of the Vision and Mission of Wilson College, and as we complete this cycle of accreditation.

## SWOC ANALYSIS

### Strengths

- A 181 year old institution which has retained the dynamism of its core vision weathering all kinds of challenges and change.
- Departments walk the extra mile to help realize the College Vision.
- Ability to attract day scholars from distant suburbs and satellite townships.
- Maintains a balance between its core identity as a liberal Arts and Science institution while offering vocational and commercially attractive/viable self-financing courses.
- Despite architectural constraints, the institution has managed to accommodate new self-financing courses and a host of college related activities.
- Ability to continuously overcome limitations of space in a city like Mumbai by re-organising and re-modeling spaces. The College which was initially designed for less than 1000 students now provides facility for nearly 3500 students.

- Ability to sustain Best Practices across decades:  
The College Magazine- The Wilsonian published for 108 years  
The Gymkhana( 1910 ): is located on Marine Drive, has all facilities.  
The Hostels: Mackichan Hall (1913) Pandita Ramabai Hostel (1932)  
The Nature Club: (1979) Conservation, Action and Education  
The CEP: (1980) Active Interface between the Academic and Corporate world.  
Rainbow( 1997) Support system and platform for northeast students.
- The institution has a democratic ethos: the Staff Council is part of the college constitution. It comprises of Heads of Departments, hostel wardens, Deans of students, Vice Principals and Vice President of the Gymkhana, IQAC coordinator. Librarian. Departments enjoy some level of autonomy and practice liberal ethos.
- In addition to a large common staff room, individual department staff rooms allow teachers to mentor students. This allows departments to maintain departmental libraries and space to do undisturbed work. Special space is available in the Library Annex for study and research for faculty.
- The College has had a long association with the Asiatic Society of Mumbai (from 1830 to date), K.R. Cam Oriental Institute (from 2017 to date) BARC, TIFR and the Yusuf Meherally Centre.
- Social outreach is part of the institutional DNA – the college has regular initiatives plus special initiatives.
- Innovative programmes like CEP, ESEP, and activities by the Nature Club, Student Council, Gymkhana, etc. add value to the holistic learning experience of students.
- Active efforts to promote national integration through seminars, activities, field visits, camps across India.
- Active and vibrant IQAC
- Strong staff student rapport
- Consistent multidisciplinary sessions by the Arts departments.

### Weakness

- Inability to sustain language departments.
- Slow start for research in science departments, inadequate research work in arts departments.
- Inability to have multidisciplinary focus in science departments.
- Weakening/dilution of motivation in middle and senior level staff.
- Increasing cynicism.
- Inadequate up-gradation of Physics, Chemistry, Botany and Zoology laboratories.
- Limited access for the burgeoning student population to recreational spaces.

- Inadequate integration between self-financing courses and other departments.
- Inability to raise sufficient funds.
- Insufficient collaborations with industries and other organizations.
- Insufficient mobilization of the alumni
- Inability to manage dissent effectively

### **Opportunities**

- Potential for research in microbiology and chemistry
- Opportunities for more field visits by departments.
- Start a language laboratory for Indian and international languages like Mandarin
- Post graduate self-financing courses in Commerce
- New options for self-financing courses
- Collaboration with scientific, industrial and government organizations
- Foreign academic collaborations
- Strengthening financial positions
- Encouraging research among under graduate students.
- Choice based systems will allow more multidisciplinary studies.

### **Challenges/Concerns**

- Retaining the foundational values of the College in a world which is increasingly in a flux.
- Continuing the tradition of a liberal ethos
- Keeping up motivation
- Managing cynicism
- Raising innovation in teaching, and integrate state- of –the-art ideas
- Shifting from process to result
- Better structuring of academic and administrative responsibilities
- Managing space /infrastructure



## SELF-STUDY REPORT

### 1. Profile of the Affiliated / Constituent College

#### 1. Name and Address of the College:

Name :	Wilson College	
Address :	N.S. PurandareMarg, Chowpatty	
City : Mumbai	Pin : 400 007	State : Maharashtra
Website	www.wilsoncollege.edu	

#### 2. For communication :

Designation	Name	Telephone with STD code	Mobile	Fax	Email
Principal	Dr. V.J. Sirwaiya	O: (022)42134301 R:(022)42134370	9819433592	(022)42134304	vj_sirwaiya@yahoo.co.in
Vice Principals	Dr. K. Aruna	O:(022)42142301	9867233673		arunasam2000@yahoo.co.in
	Dr. AshishUzgar e		9969363846		ashishuzgare@gmail.com
	Ms. Michelle Philip		9820337102		philip.michelle@gmail.com
Steering Committee Co-ordinator	Ms. S.R. Nalwalla	O: (022)42134307	9820836376		shehernaz@gmail.com

#### 3. Status of the Institution:

- Affiliated College  
 Constituent College  
 Any Other (Specify)

√
√

#### 4. Type of Institution :

- a. By Gender
- i. For Men
- ii. For Women
- iii. Co-education

√

#### b. By Shift

- i. Regular

√
---

- ii. Day
- iii. Evening

5. It is a recognized minority institution ?

Yes

No

If yes specify the minority status (Religious / linguistic / any other) and provide documentary evidence.

Religious(Christian minority)

6. Sources of funding:

Government

Grant-in-aid

Self financing

Any other

7. a. Date of establishment of the college 1836

b University to which the college is affiliated / or which governs the college

(If it is a constituent college)

1861

c Details of UGC recognition:

Under Section	Year	Remarks (if any)
i. 2 (f)	1956	-
ii. 12 (B)	1956	-

(Enclose the Certificate of recognition u/s 2 (f) and 12 (B) of the UGC Act)

d Details of recognition / approval by statutory / regulatory bodies other than UGC

(AICTE, NCTE, MCI, DCI, PCI, RCI etc.)

Under Section / Clause	Recognition / Approval details Institution / Department Programme	Day, Month and Year	Validity	Remark
i.	NA	-	-	-

Does the affiliating university Act provide for conferment of autonomy as recognized by the UGC), on its affiliated colleges?

Yes  No

If yes, has the College applied for availing the autonomous status ?

Yes  No

8. Is the college recognized

a. By UGC as a College with Potential for Excellence (CPE) ?

Yes  No

If yes, date of recognition :

For its performance by any other governmental agency ?

Yes  No

If yes, Name of the agency and

Date of recognition:

9. Location of the campus and area in sq. mts.

Location	Urban
Campus area in sq. mts.	22,561.22 sq. mts.
Built up area in sq. mts.	3154.2 sq. mts.

11 Facilities available on the campus (Tick the available facility and provide numbers or other details at appropriate places) or in case the institute has an agreement with other agencies in using any of the listed facilities provide information on the facilities covered under the agreement.

- Auditorium / seminar complex with infrastructural facilities
  - College Hall – Sound System, Stage, chairs, coolers
  - Taylor Audio-Visual Room – LCD projector, Sound system, Air-conditioning, fixed seating(capacity:150)
  - Mckenzie Auditorium – Open space for events
- Sports facilities
  - ❖ Playground – On Marine Drive open ground – 10000 sq m - with pavilion

- ❖ Swimming pool - nil
- ❖ Gymnasium- Mckenzie Auditorium and college hall used for indoor sports
- Hostel
  - ❖ Boys hostel
    - i. Number of hostel -1
    - ii. Number of inmates -142
    - iii. Facilities (mention available facilities) – mess, recreation room, outdoor sports facilities, laundry, wifi
  - ❖ Girls’ Hostel
    - i. Number of hostels -1
    - ii. Number of inmates - 60
    - iii. Facilities (mention available facilities) – mess, recreation room, outdoor sports facilities
  - ❖ Working women’s hostel -
    - i. Number of inmates-
    - ii. Facilities (mention available facilities)-
- Residential facilities for teaching and non- teaching staff (give numbers available – cadre wise)Teaching: 7 Non-Teaching:14
- Cafeteria- College Canteen
- Health Centre-

First aid, Inpatient, Outpatient, Emergency care facility, Ambulance.....

Health centre staff –

Qualified doctor	Full time	<input type="text"/>	Part- time	<input type="text"/>
Qualified Nurse	Full time	<input type="text"/>	Part- time	<input type="text"/>

- Facilities like banking, post office, book shops-
- Transport facilities to cater to the needs of students and staff-
- Animal house-
- Biological waste disposal-
- Generator or other facility for management / regulation of electricity and voltage-

- Solid waste management facility- Compost pit
- Waste water management-
- Water harvesting-

12 Details of programme offered by the college (Give data for current academic year)

Sr . No	Programme Level	Name of the Programme / Courses	Duration	Entry Qualification	Medium of Instruction	Sanctioned / approved Student strength*	No of Students admitted *
	Under - Graduate	B.A.	3 years	H.S.C.	English	320	374
		B.Sc.				320	386
		B.Sc.(I.T.)				60	72
		B.Sc.(C.S.)				48	--
		B.Sc.(Bt)				35	---
		B.M.S				120	172
		B.M.M.				120	109
		B.A.F.				60	60
	Post- Graduate	M.Sc.(by papers)	2 years	B.Sc.		40	40
		M.Sc.(by research)				4	1
		Msc(I.T.)				20	14
	Intergrated Programmes PG	-----	----	-----		----	----
	Ph.D.	Botany	4 years	M.Phil/ entrance test		8	4
		Chemistry				10	3
		Microbiology				8	5
		Hindi				6	3
	Certificate courses	Local Culture	80 hrs	H.Sc. or equivalent		Not specified	35
		Heritage Management and Conservation	60 hrs				35
		Indian Scripts and Numismatics	15 hrs				25
		Astronomy	36 hrs				40
		Quantitative Analysis for Social Sciences	24 hrs				24
		Digital Marketing (Basic level)	20 hours				93
		The Global Business and International	15 hours				120

		Leadership Programme					
		Equity Markets	16 hrs				24
		Secured Certified Computer User (Basic)	----				8
		Information Security (Foundation)(Plus Basic)	20 hrs				16
		Basic Analytics Techniques Using MS-EXCEL	5 days				8
		Technical Research (Basic Level)	20 hours				71
		Microsoft Certification in C# and ASP.NET	24 hrs				61
		Information Security and Cloud Computing	24 hrs				16
		SAP- ABAP (Advanced Business Analytics Programming)	21 hrs				17
	UG Diploma	Pharmaceutical Quality Control and Quality Assurance Management	48 hrs	H.Sc.			25
	PG Diploma	-----					
	Skill Development	Co-operative Education Programme	6 weeks	H.Sc.			40
		Employability Skill Enhancement Programme	30 hrs				45

13. Does the college offer self-financed Programme ?

Yes

No

If yes, how many ?

14. New programmes introduced in the college during the last five years if any ?

Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	Number	2
-----	-------------------------------------	----	--------------------------	--------	---

15. List the departments :

Faculty	Departments	UG	PG (by Papers)	Research (M.Sc. &P.hd)
Science	Physics, Chemistry, Maths, Botany, Zoology, Mathematics, Microbiology, Computer Science, I.T., Biotechnology	All	Chemistry, Zoology, Microbiology, I.T.	Chemistry, Botany, Zoology, Microbiology
Arts	History, Political Science, Philosophy, Sociology, Economics, Hindi, Marathi English, Mass Media		--	Hindi
Commerce	Accounting & Finance			
Any other (Specify)	--	--	--	--

16. Number of Prgrammes offered under (Programme means a degree course like BA,

B.Sc. M.A., M.Com....)

a. annual system

b. semester system

c. trimester system

17. Number of Programmes with

a. Choice Based Credit System

b. Inter / Multidisciplinary Approach

c. Any other (specify and provide details)

18 Does the college offer UG and /or PG programmes in Teacher Education ?

Yes  No

If yes,

- a. Year of Introduction of the programme(s)  
 b. And number of batches that completed the programme   
 c. NCTE recognition details (if applicable)  
 Notification No : .....  
 Date : .....  
 Validity : .....

d. Is the institution opting for assessment and accreditation of Teacher Education Programme separately ?

Yes  No

19. Does the college offer UG or PG programme in Physical Education ?

Yes  No

If yes,

- a. Year of Introduction of the programme(s) .....  
 and number of batches that completed  
 b. NCTE recognition details (if applicable)

Notification No : .....

Date : .....

Validity : .....

c. Is the institution opting for assessment and accreditation of Physical Education Programme separately?

Yes  No

20 Number of teaching and non-teaching positions in the Institutions

Position	Teaching						Non-teaching staff		Technical staff	
	Professor		Associate Professor		Assistant Professor		*M	*F	*M	*F
	*M	*F	*M	*F	*M	*F				
Sanctioned by the UGC / University / State Government	75						85		N.A.	



<i>Recruited*</i>	1	1	7	14	19	28	59	11	
<i>Yet to recruit</i>	5						15		
Sanctioned by the Management / Society or other authorized bodies	N.A.								
<i>Recruited*</i>					3	19	29	4	
<i>Yet to recruit</i>	N.A.								

\*- Staff is recruited by management for self- financing courses as per requirement

### 21. Qualification of the teaching staff:

<b>Highest Qualification</b>	<b>Professor</b>		<b>Associate professor</b>		<b>Assistant Professor</b>		<b>Total</b>
	Male	Female	Male	Female	Male	Female	
<b>Permanent teachers</b>							
D.Sc./D.Litt.	--	--	--	--	--	--	--
Ph.D.	01	01	02	06	10	05	25
M.Phil.	--	--	01	04	--	06	11
P.G.	--	--	04	04	07	09	24
<b>Temporary teachers</b>							
D.Sc./D.Litt.	--	--	--	--	--	--	--
Ph.D.	--	--	--	--	--	01	01
M.Phil.	--	--	--	--	01	--	01
P.G.	--	--	--	--	03	30	33
<b>Part-Time teachers</b>							

### 22. Number of Visiting Faculty / Guest Faculty engaged with the College

23. Furnish the number of the students admitted to the college during the last four academic years. 51

Categories	2016-17		2015-16		2014-15		2013-14	
	Male	Female	Male	Female	Male	Female	Male	Female
SC	35	55	23	21	50	37	34	37
ST	9	5	7	9	9	5	34	9
OBC	47	49	14	15	47	51	36	50
General	924	1165	295	415	907	961	800	947
Others*	391	420	354	436	385	388	203	268

\*- others include minority students as the college is a Christian minority

#### 24. Details on students enrollment in the college during the current academic year:

Types of students	UG	PG	M. Phil	Ph.D	Total
Students from the same state where the college is located	2480	70	-	18	2568
Students from other states of India	289	11	-	-	300
NRI students	9	1	-	-	10
Foreign Students	4	-	-	-	4
Total	2782	82	-	18	2882

#### 25. Dropout rate in UG and PG (average of the last two batches)

UG

3 - 5%

PG

No definite data

#### 26. Unit Cost of Education

(Unit Cost – total amount recurring expenditure (actual) divided by total number of students enrolled.)

Rs 45,833

(a) Including the salary component

(b) excluding the salary component

Rs 2,733

#### 27. Does the college offer any programme/s in distance education mode (DEP) ?

Yes

No

If yes,

a) Is it registered centre for offering distance education programme of another University

Yes

No

b) Name of the University which has granted such registration.

----

c) Number of programmes offered

---

d) Programmes carry the recognition of the Distance Education Council.

Yes  No

28. Provide Teacher-student ratio for each of the programme / course offered

Programme	Student Strength	Teachers	Ratio
B.A.	744	18	1:41
B.Sc.	904	53	1:17
B.Sc.(I.T.)	202	3	1:67
B.M.M.*	251	4	1:62
B.M.S.*	449	3	1:150
B.A.F.	60	1	1:60
M.Sc.(by papers)	81	4	1:40
M.Sc.(I.T.)	14	1	1:14

\*- Many classes are engaged by visiting faculty

29. Is the college applying for

Accreditation: Cycle 1  Cycle 2  Cycle 3

Cycle 4

Re-Assessment:

**(Cycle 1 refers to first accreditation and Cycle 2, Cycle 3 and Cycle 4 refers to re-accreditation)**

30. Date of accreditation \*(applicable for Cycle 2, Cycle 3 and Cycle 4 and re-assessment only)

Cycle 1:16.02.2004 Accreditation Outcome / Result ...**A** - Grade

Cycle 2:30.11.2011 Accreditation Outcome / Result A – Grade CGPA- 3.10

Cycle 3: .....

**\*Kindly enclose copy of accreditation certificate (s) and peer team report (s) as an annexure.**

31. Number of working days during the last academic year

32. Number of teaching days during the last academic year

*(Teaching days means days on which lectures were engaged excluding the examination days)*

33. Date of establishment of Internal Quality Assurance Cell (IQAC)

**IQAC ..... 20-06-2004**

34. Details regarding submission of Annual Quality Assurance Reports (AQAR) to NAAC.

**AQAR (i) 2011 – 2012 submitted to NAAC on --/05/2012**

**AQAR (ii) 2012 – 2013 submitted to NAAC on 23/12/2015.**

**AQAR (iii) 2013 – 2014 submitted to NAAC on 21/03/2016.**

**AQAR (iv) 2014 – 2015 submitted to NAAC on 03/09/2016**

**AQAR (iv) 2014 – 2015 submitted to NAAC on 20/09/2016**

35. Any other relevant data (not covered above) the college would like to include. (Do not include explanatory / descriptive information)

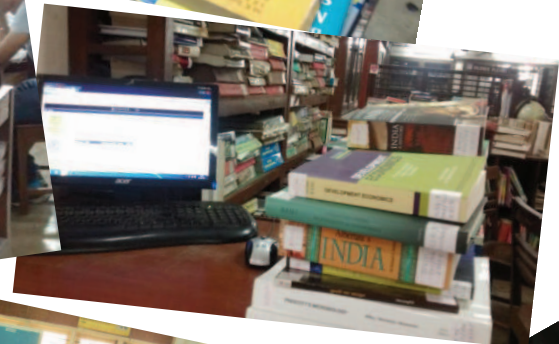


**Criterion  
wise  
Inputs**



# CRITERION 1

## CURRICULAR ASPECTS



## **CRITERIA I – CURRICULAR ASPECTS**

### **Committee Members**

Ms. Shehernaz Nalwalla, IQAC & NAAC Coordinator

Dr.H.Badkar and Mr. S. Deodhar (Co-Convenors)

Dr. S. Deewan

Ms. R. Chettiar

Ms. J. Kurien

Ms. G. Gnanaseelan

Mr. K. Shinde

Ms. A. Mali

## **CRITERION I : CURRICULAR ASPECTS**

### **1.1 Curriculum Planning and Implementation**

#### **1.1.1 State the vision, mission and objectives of the institution, and describe how these are communicated to the learners, teachers, staff and other stakeholders.**

**VISION: ‘To provide holistic education to a diverse student community, developing in them contemporary sensibilities, and preparing them to meet professional challenges as global citizens.’**

**MISSION: ‘To produce intellectually well trained, morally upright, socially conscious and spiritually oriented men and women’**

**OBJECTIVES:**

- **To make learning multi-disciplinary and relevant to contemporary requirements by expanding academic horizons beyond the stipulated syllabus**
- **To initiate critical thinking and inculcate a research mindset**
- **To motivate learners towards academic excellence**
- **To instill social consciousness and to redefine social outreach programmes that meet emerging needs**
- **To provide equal opportunities to a diverse student body for overall development through curricular, co-curricular and extra-curricular activities.**
- **To provide internships and linkages with professional organisations and individuals**

The Vision and Mission of the institution are printed in the prospectus for all programmes. These are displayed on the institution website [www.wilsoncollege.edu](http://www.wilsoncollege.edu) and conveyed to learners and teachers during the orientation and induction programs, Founder’s Day programme etc.

The vision and mission of the institution are communicated via displays of the same at prominent places like notice boards, the library, the office, the staff room/conference room, audio visual rooms and various other places on the campus and also printed in the college magazine, The Wilsonian.

All the academic, outreach and extra-curricular activities, the general ethos and functioning of the institution reflect the vision, mission and objectives of the institution

#### **1.1.2 How does the institution develop and deploy action plans for effective implementation of the curriculum? Give details of the process and substantiate through specific example(s).**

At the end of every academic year, departmental meetings are held to plan the workload allocation among staff members for the next academic year to enable teachers to prepare for the course. This is decided on the basis of the specialization of the faculty members.



The academic calendar is prepared by the institution well in advance to facilitate planning of the co-curricular and extra-curricular activities for the learners.

A centralized time-table is prepared by the time-table committee and individual time-tables of the faculty members is also decided at the beginning of the term. Both the departmental and individual time-tables are displayed in the departments, the copies of which are also submitted to the institution office.

Once the time-table is finalized, the teachers prepare individual teaching plans, keeping in mind the teaching days available. An academic diary is maintained by every faculty member.

Whenever there is a change in the syllabus, the institution deputed faculty members to attend the workshops organised by their respective Board of Studies.

Under the recommendations of the IQAC, departments hold subject specific induction/ orientation programs for the learners of the first year classes. This is in addition to the general orientation programme held by the institution. A few bridge lectures are held, by the departments, for the learners wherever there is a knowledge gap in the syllabus.

For the effective implementation of the curriculum,

- The institution prepares academic calendar for the whole year in which the schedule for examination, project submission and internal tests are planned well in advance.
- Departments, the institution library and the institution office maintain a file of the current curriculum for all courses offered by the institution.
- Heads of Departments monitor and ensure completion of the syllabus.
- Library resources are updated every year as per the requirements of the new syllabi.
- Science teachers plan their practicals well in advance. Departments put up the practical plan for the week on the notice boards to facilitate related advance reading. Departments appoint a teacher-in-charge for paper specific practicals who plan and monitor the modalities for the practicals. The learners are informed about the revision practicals and certification of journals about a month in advance. Departments prepare and provide a handbook for practicals.
- New faculty members are oriented into the institutional ethos and academic process by the senior faculty members of the department.
- Departments invite their alumni and subject experts to conduct interactive sessions with their learners to enrich the teaching of the curriculum.
- Departments organize excursions, industrial and field visits for better understanding of the curriculum and to give them a better exposure to the applied aspects of the curriculum. Students are also sent for internships.

**1.1.3 What type of support (procedural and practical) do the teachers receive (from the University and/or institution) for effectively translating the curriculum and improving teaching practices?**

Although the syllabus is framed and approved by the Board of Studies of each subject, its effective implementation is done with the support offered by the institution through the following:

- Teachers are encouraged to attend workshops, seminars organised by the Boards of Studies, as also Refresher/ orientation/ short –term courses organised by UGC.
- Library resources are updated to accommodate requirements of new syllabi/courses. Teachers also avail of library facilities at the University and other institutions. On-line Inlibnet is made available to the teachers.
- Laboratory equipment is maintained and upgraded periodically.
- The institution hosts workshops and seminars related to syllabus revision to facilitate the implementation of new syllabus.
- The institution provides honorarium to visiting faculty / experts from other institutions / universities / industry for taking sessions to enrich implementation of curriculum.
- Supportive ICT aids are provided to make teaching-learning more effective.

**1.1.4 Specify the initiatives taken up or contribution made by the institution for effective curriculum delivery and transaction on the Curriculum provided by the affiliating University or other statutory agency.**

Effective curriculum delivery is facilitated by the institution through the following measures:

- Providing basic infrastructure such as classrooms, audio visual rooms, laboratories, library, ICT, blackboards, interactive boards, etc. for teaching-learning to take place.
- Providing leave to teachers for participation in workshops and conferences with a view to enhance their teaching skills for effective curricular delivery.
- Providing funds for the purchase of library books, journals.
- Departments prepare an academic calendar at the beginning of the semester which includes a time schedule for effective completion of curriculum, schedule for conducting internal tests as well as other co and extracurricular activities.
- Departments organize workshops on new syllabi.
- The faculty makes a weekly plan for conduction of science practical experiments.
- Industrial visits, visits to research institutes and excursions are arranged by the departments to add value to the theoretical knowledge of learners, introduce career options and expose them to diverse job opportunities.
- Attendance of learners is monitored and defaulters are warned well in advance.

- Parent- Teacher meetings are held by departments to monitor the progress of learners.
- Remedial coaching and counseling is provided informally as well as formally to weak and slow learners and extra coaching is given to meritorious learners to excel, in academics.

Since institution is affiliated to the University of Mumbai, there is a two-way communication on all academic matters to facilitate transaction on the curriculum.

***1.1.5 How does the institution network and interact with beneficiaries such as industry, research bodies and the university in effective operationalisation of the curriculum?***

Effective curriculum translation does not remain confined to the classroom teaching but is extended to the community by way of extending collaborative activities with other bodies.

**With the industry through :**

- encouraging campus placements by industry;
- Field trips / educational tours, industrial visits and educational excursions being organised for extending theoretical and practical knowledge and to gain first hand contact with the real world.
- Industry experts, research fellows, alumni, guest faculty, visiting faculty for interaction with learners. This is helpful in widening career choices.
- Departments interacting with industry and other research institutes by way of collaborations.

**With the research bodies through:**

- Faculty members of research institutions being invited to interact with the staff and learners where exchange of ideas is facilitated.
- The faculty members being encouraged to undertake major and minor research projects, paper presentations, publications etc.
- Teachers being encouraged to avail of the Faculty Development Programme(FDP) provided by the UGC.

**With the university through:**

- Teachers being recognized as post-graduate teachers and taking post-graduate lectures in other centres.
- Since institution is affiliated to the university, all academic and statutory norms being followed.
- By encouraging active participation of its staff in the academic initiatives of the university.

**1.1.6 What are the contributions of the institution and/or its staff members to the development of the curriculum by the University?(number of staff members/departments represented on the Board of Studies, student feedback, teacher feedback, stakeholder feedback provided, specific suggestions etc.**

- Many senior faculty members are a part of the Boards of Studies, syllabus development committees, working as paper setters, moderators and examiners.
- Certificate and diploma courses have been designed by the faculty taking into consideration the demand of the industry
- The institution has taken feedback on the curriculum from the learners, staff, alumni and industry and which has been communicated to the respective Boards of Studies. A similar feedback is collected on the evaluation system of the University

Year	Member / Chairperson of Board of Studies, Mumbai University	Convenor/ Members of syllabus framing committees of Mumbai University	Member / Chairperson of Board of Studies of Autonomous Colleges	Convenor/ Members of syllabus framing committees of Autonomous Colleges	Faculty Developing courses for other Institutions
16-17	01	10	-	-	-
15-16	01	09	04	01	01
14-15	01*	08	04	02	01
13-14	02*	08	04	02	01
12-13	02*	07	04	02	01
11-12	02*	06	03	01	01

\*Dr. K. Aruna is also a member of Faculty of Science

Moreover, three of the faculty members have also served as the chairpersons / members of the Boards of Studies.

The details are given in the table on the next page

Department	Member/Chairperson of Board of Studies. Mumbai University	Member/Chairperson of Board of Studies of Autonomous Colleges/ other University	Convenor/ Members of Syllabus framing committees of Mumbai University	Convenor/ Members of Syllabus framing committees of Autonomous Colleges/ other University
Economics	---	----	Ms. S. Pethe (F.Y.B.A, 2016)	----
Philosophy			Dr. H. Badkar (F.Y.B.A-2017, S.Y.B.A-2017, T.Y.B.A- 2017& M.A, 2011)  Ms. S. Nalwalla (F.Y.BA-2014, S.Y.B.A-2017, T.Y.B.A-2017& M.A-2012-13)  Dr. B. Mehta (T.Y.B.A, 2017)	-----
English	-----	Ms. M. Philip (St. Xaviers College)	Ms. V. Mathew (M.A, 2016-17)	Ms. M. Philip (F.Y.BA, S.Y.B.A, T.Y.B.A at St. Xaviers College)
Hindi	-----	----	Dr. S.Chaubey  (F.Y.B.A., 2016-17 in IDOL)	-----
Botany	Dr. S.Bhalerao (2011-14)	Dr. A. Kumar (S.N.D.T. University, 2012- 2016)	-----	-----
Chemistry	-----	-----	Dr. M. Uchil (M.Sc. Env. Sci, 2013)  Dr. S. Irani (M.Sc.-II, 2012)	-----

			Dr. S. Bootwala (S.Y.B.Sc 2014 T.Y.B.Sc 2015 M.Sc-I 2016)	
Microbiology	Dr. K. Aruna Member of Microbiology (2011-15)  Member of Faculty of Science (2011-15)	Dr. K. Aruna (Microbiology at St. Xaviers College, 2010-2015)	Dr. K. Aruna Co-convenor F.Y.B.Sc (2013-14) S.Y.B.Sc (2011-12 & 2017-18) &M.Sc-I (2011-12) Co-convenor (2012-15, T.Y.B.Sc)  Ms. A. Pendse Member (2011-12, S.Y.B.Sc &M.Sc-I) T.Y.B.Sc (2012-13 & 2015-16)  Ms. R. Birmole Member (2011-12, M.Sc-I) T.Y.B.Sc (2012-13 & 2015-16)	Dr. K. Aruna (Microbiology at St. Xaviers College, 2010-2015)
Physics	Mr. S. Deodhar (2016-17)	-----	-----	-----
Zoology	-----	Dr. R Ghosh St. Xavier's college, 2011-2016)	-----	-----

\*Ms. S. Nalwalla has developed nine courses run by K.R. Cama Oriental Institute, Mumbai between 2011 and 2016.

**1.1.7 Does the institution develop curriculum for any of the courses offered (other than those under the purview of the affiliating university) by it? If 'yes', give details on the process ('Needs Assessment', design, development and planning) and the courses for which the curriculum has been developed**

- No. However, some faculty members, in their individual capacity, develop content for courses in institutions of higher learning, other than the university.
- The institution organizes certificate and diploma courses and the content of these courses is developed by the faculty members.
- Staff members are part of Boards of Studies and syllabus framing committees of autonomous institutions.

- Several UG teachers are also members of syllabus framing committees or PG programmes.

### **1.1.8 *How does institution analyze/ensure that the stated objectives of curriculum are achieved in the course of implementation?***

The preamble of the curriculum states the objectives of the syllabus. In the course of implementation, teachers ensure that the stated objectives are achieved through the following measures:

- Departments hold regular tests to help learners improve their learning and writing skills
- There are well-equipped laboratories including computer labs to conduct practicals.
- Library resources are upgraded regularly to facilitate implementation of the curriculum.
- Andrew's Vision Centre caters to the academic needs of the visually challenged learners.
- Special efforts are taken by the faculty members to help slow learners to cope with the syllabus, often undertaking remedial coaching.
- Keeping the preamble of the syllabus in mind, teaching material is made available to the learners. Guest faculty from industry and academia are invited, field trips are organised to connect theory with practice.
- The examination results of the learners are analyzed and placed in various forums and new measures are discussed to improve learning outcomes.

## **1.2 Academic Flexibility**

### **1.2.1 *Specifying the goals and objectives give details of the certificate/diploma/ skill development courses etc., offered by the institution.***

The main goal and objective of offering additional courses is to provide learning experience/ practical inputs beyond the syllabi, especially where there is a knowledge gap. Some of the courses are designed to provide hands on experience and make the learners industry ready. The variety of certificate courses made available to the learners aim to provide holistic education with a view to develop the contemporary sensibilities and prepare them for the professional challenges as global citizens.

<b>Title/ Organising Department</b>	<b>Aim/ Details</b>	<b>In Collaboration with</b>	<b>No. of Learners</b>
<b>Certificate Courses</b>			
Local Culture / IQAC	To orient learners towards understanding local culture and the management and preservation of our heritage. Continued in 2012-13, 2014-15, 2015-16, 2016-17	The Asiatic Society of Mumbai	35
Heritage Management and Conservation IQAC	The sessions aimed at educating learners about heritage management and conservation at an introductory level. Conducted in 2013-14, 2015-16 , 2016-17	The K.R. Cama Oriental Institute	35
Indian Scripts and Numismatics History Department and IQAC	To add value and broaden the existing scope of the topic in the syllabus and to develop interest the area	The Asiatic Society of Mumbai	25
Astronomy Physics Department	To develop an interest and to take it up as a hobby among learners. Started in August, 2012	-----	40
Quantitative Analysis for Social Sciences Physics and Economics Departments	To gain expertise in statistical analysis using EXCEL	-----	24
Technical Research (Basic Level) BMS Department	To understand the basics of the Financial Markets and equity research with technical research analysis and asset classes (from 2014-15)	Knowledge Mould	71
Digital Marketing (Basic level) BMS Department	To enable participants to broaden their thinking on a more macro level and understand user experience and the changes in the current landscape of doing	Knowledge Mould	93



	business (from 2014-15)		
The Global Business and International Leadership Programme BMS Department	To enable students to build a structured perspective of the real world and a healthy understanding of the dynamics, presented through case studies, perspectives started by eminent professional from varied sectors (2016-17)	KnoweldgeMould and The Free Press Journal	120
Equity Markets BAF Department	To understand the Indian Stock Market both BSE and NSE and its trading operation	Cognizance Education Pvt. Ltd.	24
Secured Certified Computer User (Basic) CS/ IT Departments	To initiate participants in Information Communication Technology (ICT), build awareness about information security, to impart additional life and employability skills, and extended learning. ( 2013-14, 2014-15)	Zen Technologies	08
Information Security (Foundation)(Plus Basic) CS/ ITDepartments	Prepares for the global certification in Ethical Hacking conducted by EC Council ( 2014-15)	Zen Technologies	16
Basic Analytics Techniques Using MS-EXCEL CS/ITDepartments	To equip participants to use advanced EXCEL features (2015-16)	EBTS (Enterprise Building Training Solutions )	08
SAP- ABAP (Advanced Business Analytics Programming) CS/ITDepartments	To programme SAP database	EBTS (Enterprise Building Training Solutions )	17
Information Security and Cloud Computing CS/ITDepartments	To train participants in cyber security and introduce to concepts of cloud servers	EBTS (Enterprise Building Training Solutions )	16
Microsoft Certification in C# and ASP.NET	For web based application. (2015-16)	ATS Learning Solutions Ltd.	61

CS/IT Departments			
<b>Skill Development - Certificate Courses</b>			
Co-operative Education Programme	Bridge the gap between academics and the world of work	-----	40
Employability Skill Enhancement Programme St. Andrew's House	Impart employability skills	TISS	45
<b>Diploma Courses</b>			
Pharmaceutical Quality Control and Quality Assurance Management	To teach quality control and quality assurance for Pharma industry	In collaboration with Institute of Pharmaceutical Education and Research (Pune) Pvt. Ltd.	25

**1.2.2 Does the institution offer programmes that facilitate twinning/dual degree? If 'yes', give details.**

Yes. We have applied to Yashwantrao Chavan Maharashtra Open University, Nasik for Bachelor of Computer Application.

**1.2.3 Give details on the various institutional provisions with reference to academic flexibility and how it has been helpful to learners in terms of skills development, academic mobility, progression to higher studies and improved potential for employability. Issues may cover the following and beyond:**

Institution offers UG, PG (M. Sc. by research and papers) in aided and unaided sections as well as Ph.D. programmes as listed below:

<b>UG Programmes</b>	
<b>Aided</b>	<b>Unaided</b>
<b>Arts:</b> Economics English Hindi (till SYBA) History Marathi Philosophy Political Science Psychology (till SYBA) Sociology	<b>Arts:</b> Bachelor of Mass Media (B.M.M.) Bachelor of Psychology (up till 2014)
<b>Science:</b> Botany Chemistry Mathematics Microbiology	<b>Science:</b> Bachelor of Biotechnology ( B. Sc. Biotech.) Bachelor of Computer Science (B. Sc. C.S.) Bachelor of Information Technology ( B. Sc. I.T.)

Physics Zoology		
	<b>Management:</b> Bachelor of Management Studies(B.M.S.)	
	<b>Commerce:</b> Bachelor of Accounts and Finance (B.A.F.)	
<b>PG Programmes</b>		
<b>Aided (M.Sc.)</b>		<b>Unaided</b>
<b>By Papers</b>	<b>By Research</b>	Information Technology
Chemistry	Botany	Microbiology
Microbiology	Chemistry	
Zoology	Microbiology	
	Zoology	
<b>PhD Programmes</b>		
<b>Arts</b>	<b>Science</b>	
Hindi History (up till 2014)	Botany Chemistry Microbiology Zoology	

- **Range of Elective subjects, offered by the University, opted by the institution:**
- Choice Based Credit System (CBCS) is followed by the institution.
- Institution selects subjects that are offered in the faculties of Arts and Science and Commerce and Management courses, out of the subjects offered by the university.
- 29 options are offered at FYBA, 09 options at FYBSc. At SYBA, learners choose one out of 8 Applied Component Papers. At TYBA learners choose to major in one subject out of an option of 07 and at TYBSc one option out of 08. BMS learners choose Marketing, Finance and HR from second year onwards. BMM offers a choice between Advertisement and TYBMM. Horticulture is offered by both Biotechnology and Botany.
- Academic structure at first, second and third year of every programme offered by the institution, is mentioned in the prospectus of the respective programme.
- **Choice Based Credit System and range of subject options:** Available.
- **Courses offered in modular form:** Yes
- **Credit transfer and accumulation facility:** Only in IT and Computer Science the Credits can be transferred to post graduate courses in some universities abroad.
- **Lateral and vertical mobility within and across programmes and courses:**  
Lateral mobility within and across programs and courses is not available as of now as per University rules. The vertical mobility is available to learners of Botany, Chemistry, Zoology and Microbiology, who can do PG and Ph.D. in our institution.

**Enrichment courses:** In the last six years, the institution has organized several enrichment lectures to enhance the relevance and employability component of the course. (on site visit)

**1.2.4 Does the institution offer self-financed programmes? If 'yes', list them and indicate how they differ from other programmes, with reference to admission, curriculum, fee structure, teacher qualification, salary etc.**

Institution offers the following self-financed programmes.

Sr. No	Faculty	Programme
UG	Arts	Bachelor of Mass Media - B.M.M.
	Management	Bachelor of Management Studies – B.M.S.
	Commerce	Bachelor of Commerce in Accounting and Finance – B.A.F.
	Science	B.Sc.in Biotechnology ( B.Sc. (Biotechnology) ) B.Sc. in Computer Science ( B.Sc. (C. S.)) B.Sc.in Information Technology ( B.Sc.(IT) )
PG	Science	M.Sc.in Information Technology ( M.Sc. (IT) ) M.Sc.in Microbiology – M.Sc. (Microbiology)

For the admission process, curriculum, fee structure, qualifications and appointments of teachers, the norms set by the University of Mumbai are followed.

- Minimum qualification for admission to these courses is XII or equivalent examination passed. Other programme specific requirements as as per the University guide lines.
- Admission is based on the percentage/grade as stated under university rules. Reservation is offered as stated in the government regulations. There is limit on the fees that can be charged as per university guidelines.
- Teacher's qualifications according to UGC guidelines (Masters or equivalent).

**1.2.5 Does the institution provide additional skill oriented programmes, relevant to regional and global employment markets? If 'yes' provide details of such programme and the beneficiaries.**

The vision statement of the institution emphasises on developing professional skills that empower learners with global competencies. Hence, efforts are made to enhance employability of the learners keeping with the demands of domestic and global markets.

The Co-operative Education Programme (CEP) started in 1979, with an objective of bridging the between academics and the world of work. A major thrust of this six-week training programme is to enhance overall development in general and the employability potential of the learners in particular.

Employability Skills Enhancement Programme (ESEP) was started in 2013 to serve a similar purpose. Initially it was catering to the residents of St. Andrew's Hostel but later it was extended to other learners as well.

The Career Guidance and Placement Committee focuses on providing guidance on career options. The committee also organises sessions on time and stress management and provides placements to the learners. The Placement Committee works as a liaison between learners and the industry.

Departments organize subject specific career guidance lectures and skill development workshops for their learners and offer internships to their learners and also help in providing placements to their graduating learners.

**1.2.6 Does the University provide for the flexibility of combining the conventional face-to-face and Distance Mode of Education for learners to choose the courses/combination of their choice" If 'yes', how does the institution take advantage of such provision for the benefit of learners?**

The only flexibility provided is that a learner can do two/ four semesters of FY/SY BA by Distance Education and join the choice based semester system in institution at SY/TY BA, provided the subject combinations offered at both courses are the same. Similarly, learners of this institution at FY/ SY BA have the option of continuing their education in the distance mode with the University at SY/ TY BA.

Apart from this, the University does not provide flexibility of combining face-to-face and distance mode of education.

### **1.3 Curriculum Enrichment**

**1.3.1 Describe the efforts made by the institution to supplement the University's Curriculum to ensure that the academic programmes and Institution's goals and objectives are integrated?**

The vision and objectives of the institute emphasise on holistic, multidisciplinary and contemporary education that broadens the academic horizon beyond the stipulated syllabus. Hence, several complementary dimensions of learning are added to the university curriculum.

- To combine theory and practice, field experiences, industrial visits, study tours and excursions are arranged by departments.
- To supplement prescribed academic resources, library resources are updated to keep the learners abreast with the latest developments in various fields.
- IT network are made available to learners.
- Enrichment lectures, certificate and diploma courses have been introduced to add value to the curriculum. These lectures help students in academic advancement, critical thinking and to cultivate an aptitude for research.
- Collaborative efforts are made with NGOs and research institutes to introduce and increase the awareness on social issues, academic opportunities and research.

- NSS unit tries to translate the objective of instilling social consciousness into reality. Under the aegis of Institutional Social Responsibility (ISR), several social outreach programmes are initiated. Departments undertake extension activities. This helps to sensitise learners about social issues.
- Interdepartmental activities are carried out to inculcate an interdisciplinary and holistic approach among the learners.

**1.3.2 What are the efforts made by the institution to enrich and organize the curriculum to enhance the experiences of the learners so as to cope with the needs of the dynamic employment market?**

A fine blend of theory and practice is important to enhance the employability of the learners. The curriculum, largely, emphasizes on the theoretical aspect of learning. However, the applied aspect needs to be added and teachers do this by incorporating innovative teaching methods and co-curricular activities. The vision statement and objectives of the institution emphasise on preparing learners for professional challenges ahead. A three-fold approach of emphasis on academic expertise, industry interaction and subject related professional skills along with soft skills, is followed to prepare learners to face the ever changing employment market. Departments as well as Career Guidance and Placement Committee play an active role in preparing students through mock interviews, CV writing workshops to cater to the needs of the dynamic employment market.

Teachers make a conscious effort during their lectures to make learners aware of the demands of the employment market. Chalk and board teaching is made more relevant by supplementing it with online resources, map reading sessions, films, documentaries and more. Learners are given various tasks and live projects and are encouraged to make use of ICT. Departments organize subject related seminars and workshops. IQAC, under different forums, actively organises talks, seminars, workshops and interactive sessions with noted personalities. Learners are encouraged to participate and present papers and posters in seminars and workshops in other institutions as well. In addition, some of the following measures also help to add to the employability quotient.

- The institution offers vocational/ self- financing degree courses in the faculty of science viz. Biotechnology, Information Technology, Computer Science, in Management Studies, in Mass Media, in Accounting and Finance.
- The institution has a Civil Services Study Centre.
- Institution offers many certificate courses that offer an applied dimension and resource persons are invited from different fields. Some of these courses have collaboration with outside institutes like Asiatic Society, Mumbai, K.R. Cama Oriental Institute, Mumbai University, Bombay Stock Exchange, Institute of Pharmaceutical Education & Research (Pune) Pvt. Ltd. The contents are designed in consultation with industry experts in the related field.
- ICT forms a part of the syllabi of several subjects.
- Internet is provided in most of the departments and in the library.

- Many Arts and Science subjects have Applied Component papers which have employment orientation.

**1.3.3 Enumerate the efforts made by the institution to integrate the cross cutting issues such as Gender, Climate Change, Environmental, Human Rights, ICT etc., into the curriculum?**

<b>Cross-cutting issues</b>	
<b>Gender</b>	<p>Most of the curriculum of Arts subjects and the Foundation Course in the faculty of science and commerce include the topics related to gender sensitization.</p> <p>Films &amp; documentaries related to gender issues are screened; learners are encouraged to take projects related to issues based on gender. BMM department organises street plays as a part of their projects.</p> <p>A Gender Audit was conducted and suggestions are implemented.</p>
<b>Environmental and Climate change</b>	<p>Enrichment Lectures, environment related festivals and programs are held with an inter-disciplinary approach.</p> <p>Many Arts and Science subjects have ecology and environmental issues as a part of their curricula to sensitize learners.</p> <p>The Nature Club is a very active cell working towards building awareness, participating in conservation activities, organizing trails, treks and camps.</p> <p>The institution organized learners and staff activities on the theme of Environment in 2013.</p> <p>In 2016, a two day seminar on ‘Greening and Sustainability: Re-Visioning the Environment ’was organised by the IQAC.</p> <p>In 2017, a two day seminar ‘Oikos: Our Home - the Planet Earth’ was organised that included environment related activities and paper presentations.</p> <p>A Green Audit was conducted and suggestions were implemented.</p> <p>Learners are sensitized about the issue through various sessions in the class room or at guest talks.</p> <p>It also forms a part of the curriculum of Foundation Course and science subjects.</p>
<b>Human Rights</b>	<p>Foundation Course syllabi taught at the First and Second Year B.A./B.Sc, aims to create social and national awareness and sensitize the learners to the issues of human rights, communalism, etc.</p>

	The Political Science and Foundation Course curricula include modules on Human Rights. The Political Science department regularly invites guest speakers to talk on issues related to Human Rights.
<b>ICT</b>	In the Science stream, Computer Technology forms a part of the syllabi of several subjects. The institution offers three year degree courses in Information Technology and Computer Science. Economic Analysis is taught extensively using EXCEL. ICT policy audit is conducted.

### **1.3.4 What are the various value-added courses/enrichment programmes offered to ensure holistic development of learners?**

The vision statement of the institution emphasizes on imparting holistic education to the learners with diverse needs; equal efforts are made to make learning richer and wholesome.

Under the aegis of IQAC, departments organize enrichment lectures on various subject related themes. Some of the subject specific enrichment lectures are organised by various departments and some of the multi and interdisciplinary lectures are organised jointly by departments or by the IQAC. Institution also organizes seminars/ festivals based on various themes.

The institution offers a wide range of certificate and diploma courses. These courses aim at enhancing multidimensional understanding of various aspects of learning. Some of these courses like Local Culture, Heritage Management and Conservation, Astronomy, Pharma Management are on-going courses and others are one-off some years.

Peace Day, Independence Day, Republic Day and Founders Day are commemorated to sensitise learners about various social causes and responsibilities. Events related to environment are organised to sensitise learners towards related issues. The Philosophy Department conducts Yoga Workshops for learners, teaching and non-teaching staff. A Self-defence workshop was conducted by the IQAC.

### **1.3.5 Citing a few examples enumerate on the extent of use of the feedback from stakeholders in enriching the curriculum?**

The curriculum designed by the Boards of Studies of all subjects, which is implemented by the University and executed by the teachers. Since the institution and teachers do not have the freedom to design the syllabus, there is no formal feedback mechanism in place. However, there is a constant need and effort made to elevate and incorporate relevant aspects into the curriculum.

- Feedback is taken from the learners, teachers and industry, and the IQAC communicates the same to the Boards of Studies of the respective subjects. The



companies which approach the institution for campus placements also discuss industry requirements.

- They, through interaction with learners, peers, industry and experts incorporate relevant inputs to enrich the curriculum.
- Workshops and seminars organised by the institution invite faculty and experts from other institutions. The feedback provided by them is passed onto respective Boards of Studies to act upon.
- The faculty interacts with the alumni to gain insights into the demands of the industry. The companies which approach the institution for campus placements also discuss industry requirements.
- Electives are chosen after deliberation about the usefulness of the subject for the learners.
- Introduction of certificate and diploma courses and other enrichment programs is a direct outcome of bridging the gap felt by learners and the institution. The curriculum of such courses is updated on regular basis based on the feedback received from learners, placement agencies and industry.

### ***1.3.6 How does the institution monitor and evaluate the quality of its enrichment programmes?***

The quality of the enrichment programs is evaluated mainly by judging whether the stated objectives are met. The feedback from different stakeholders provides an objective assessment of these programs. The enrolment of learners, placement records serve as evaluation measures. Conscious efforts are made to revise/ redesign the contents of the programmes to make them relevant and to maintain their quality.

## **1.4 Feedback System**

### ***1.4.1 What are the contributions of the institution in the design and development of the curriculum prepared by the University?***

Many teachers of the institution are members of syllabus framing committees. Teachers are also called as resource persons to the workshops held by the respective Boards of Studies for the effective implementation of the curriculum.

### ***1.4.2 Is there a formal mechanism to obtain feedback from learners and stakeholders on Curriculum? If 'yes', how is it communicated to the University and made use internally for curriculum enrichment and introducing changes/new programmes?***

The curricula for the courses are designed by the respective Boards of Studies of the University. However, a formal feedback is taken from all stakeholders of the curriculum by the IQAC by designing appropriate questionnaire for teachers, learners and industry on the curricula and the responses have been sent to the respective Boards of Studies.

On the basis of the feedback, institution identifies lacunae in the curriculum and enrichment lectures and new programmes are designed to fill up this gap.

**1.4.3 How many new programmes/courses were introduced by the institution during the last four years? What was the rationale for introducing new courses/programmes?) Any other relevant information regarding curricular aspects which the institution would like to include.**

The following programs have been added during the last six years.

BAF and M Sc-IT introduced in 2016-17:

Rationale: 1) To meet with the increasing demand of the market.

2) To start some options for the learners interested in doing commerce programmes.

3) To add to the number of post graduate courses, to prepare for autonomy.

In addition to these courses, the institution has also started many certificate and diploma courses in the last six years, the list of which is given in 1.2.1. These courses cater to different aspects of academic interests and professional needs.

# CRITERION 2

## TEACHING, LEARNING & EVALUATION



## **CRITERIA II –TEACHING LEARNING AND EVALUATION**

### **Committee Members**

Ms. Shehernaz Nalwalla, IQAC & NAAC coordinator

Dr. A. Masarguppi and Mr. M. D'Souza(Co-Convenors)

Dr. R. Ghosh

Ms. A. Pendse

Ms. S. Pethe

Mr. M. Shetti

Ms. A. Manerikar

Dr. D. Lad

Ms. J. D'sa

Ms. H. Shaikh

Dr. S. Chaubey

Dr. A. Burange

Ms. R. Satpute

Mr. C. Fernandes

Ms. Nikita Braganza

Ms. Kanchan Yadav

## CRITERION II: TEACHING – LEARNING AND EVALUATION

### 2.1 Student Enrollment and Profile

#### 2.1.1 *How does the college ensure publicity and transparency in the admission process?*

Wilson College is an 181 year old institution located in Mumbai, Maharashtra. Every academic year, the institution conducts admissions for First Year B.A, B.Sc., B.Sc. (Biotechnology, Computer Science and Information Technology), Bachelor of Mass Media, Bachelor of Management Studies and Bachelor of Commerce in Accounting and Finance. Admissions are also conducted every academic year for all these courses in the Second and Third Year.

The admission process, for all programmes, is as per university norms.

Admissions to PG (M.Sc. by paper/ research) programmes and Ph.D. programmes are done as per university norms

#### **Publicity**

- Every academic year, college prospectus is printed and given to every candidate with the admission form of the relevant course. The prospectus has details about the course and the faculty profile of all departments related to the programme. The subject combinations offered, the examination rules and other details regarding rules and regulations of the institution, are also included.
- Prior to admission procedure, relevant notices, including admission schedule and relevant documents required are displayed to enable candidates to procure necessary information.
- Wilson College ([www.wilsoncollege.edu](http://www.wilsoncollege.edu)) has an interactive website that provides all the necessary information. The website is upgraded regularly. Admission forms for first year of all courses are made available on the college website just prior to admission dates.
- The CNI (Church of North India) publishes a magazine, *The CNI Review*, which carries an advertisement for the courses offered.
- Given our long legacy of the institution, many generations of learners have studied in the institution. Hence, informal publicity channels via the alumni are in place.

#### **Transparency**

Wilson College is affiliated to the University of Mumbai, therefore the admission procedure and timetable is strictly followed, as per the rules and regulation laid by the University of Mumbai for the academic year.

- There are separate admission committees and conveners for the admissions of the first year arts, science and self-financing courses, who do the admissions. Conveners are also appointed for second year admissions to different courses. Third year admissions are done by the respective Heads of Departments.
- The merit lists display the candidate names, the percentage obtained and categories under which admission is granted, ensuring transparency.
- These are displayed on notice boards on the campus as well as uploaded on the institution website for first year admissions, to ensure public accessibility and ensure transparency.

- At the end of the admission process, the various admission committees submit reports with details of the admissions completed to the Staff Council, Board of Management and suggestions that could be incorporated at the institution level.

**2.1.2 Explain in detail the criteria adopted and process of admission (Ex.(i) merit (ii) common admission test conducted by state agencies and national agencies (iii) combination of merit and entrance test or merit, entrance test and interview (iv)(any other)to various programmes of the college.**

As stated above, the institution is affiliated to the MU, ensures that admissions to various programmes of the institution are done as per the norms of the University.

- Separate merit lists are generated for different categories such as open, (Christian) minority, reserved category, sports and defence quota, Jammu & Kashmir quota, etc.
- Arts and Science streams have a provision for in-house admissions. Second Year Junior College learners are apprised of the academic structure of the courses offered in the degree college.
- The first year admissions to all the courses are done purely on the basis of merit.
- To generate a merit list, for first year admissions, the percentage secured at the Higher Secondary Certificate Examination by the candidate is taken into consideration.
- For admission to both SY and TY courses, relevant ATKT rules are applied.
- All the necessary norms are followed for the admissions to PG programme (by papers and by research).
- Admission for the PhD programme is done as per M.Phil/ entrance test requirements.
- Admission quota sanctioned by the University is adhered to for all the programmes.
- Cut-offs of the merit lists vary every year depending upon the number of applications received, the range of percentage of marks of the applicants and the number of seats available ( after the in-house admissions)
- Norms followed for the management quota are as per the University norms

**2.1.3 Give the minimum and maximum percentage of marks for admission at entry level for each of the programmes offered by the institution and provide a comparison with other institutions of the affiliating university within the city / district.**

**Admission Cut offs (Minimum and Maximum) for the Courses offered:**

Average percentage from the year 2011-12 to 2016-17						
Courses	General		Minority		Reserved	
	Max	Min	Max	Min	Max	Min
F.Y.B.Sc.	96.40	50.62	86.56	45.38	73.38	43.83
F.Y.B.Sc. (Computer Science)	90.80	67.85	87.40	50.85	77.60	48.92
F.Y.B.Sc.(Biotechnology)	91.20	68	81.38	61	80.80	60.92

<b>F.Y.B.Sc.(I.T.)</b>	<b>82</b>	<b>68</b>	<b>83</b>	<b>51</b>	<b>80</b>	<b>52</b>
<b>F.Y.B.M.M.</b>	<b>96.20</b>	<b>76</b>	<b>86.00</b>	<b>62</b>	<b>91.00</b>	<b>48.31</b>
<b>F.Y.B.M.S.</b>	<b>93.20</b>	<b>69.69</b>	<b>77.52</b>	<b>78.46</b>	<b>80.77</b>	<b>64.62</b>
<b>F.Y.B.A.</b>	<b>96.32</b>	<b>43</b>	<b>93.30</b>	<b>50</b>	<b>92.72</b>	<b>40.22</b>

Average percentage of minimum and maximum marks for admission the entry level for each of the programmes offered by the college in the academic years 2011-12 to 2016-17 as per the merit list based on the criteria laid down by the university of Mumbai.

Comparison with the cut – off percentage for First Year for all the programmes with the neighbouring institution Jai Hind and Bhavan’s Somani were done. Wilson College Cut – off percentage for all the above mentioned courses are equivalent to those of Jai Hind College and higher than those of Bhavan’s Somani College.

**2.1.4 *Is there a mechanism in the institution to review the admission process and learner profiles annually? If ‘yes’, what is the outcome of such an effort and how has it contributed to the improvement of the process?***

**Mechanism to Review the Admission Process**

- The admission committees of various programmes submit reports at the end of the admission process to the Principal and to the Staff Council.
- During the Staff Council meetings, suggestions made by the admission committees are discussed and necessary changes (if feasible) are incorporated (e.g. regarding readmission of unsuccessful learners, cut-offs for in-house learners, subject combinations).
- Learner profile details are compiled on the basis of the data available from the forms.
- Once the admission procedure is completed, the collated data is presented and analysed at the Board of Management meetings that are held twice a year.

**Outcome and Improvements in the admission Process:**

- Admission forms were redesigned to make them more concise and comprehensive.
- For the faculty of Arts at F. Y., subject combinations were regrouped to offer wider and more useful choices of subjects to the learners.
- Digital admissions forms are made available on the institution website.
- Admission forms are also received by post.
- A counselor is available to the learners at the time of admission for guidance.
- In place of the second language option, Anthropology is offered to the learners who have not studied Hindi or Marathi in the X<sup>th</sup> or XII<sup>th</sup> stds. This concession is also offered to learners with learning disabilities and the visually challenged.
- Learners with financial difficulties are allowed to pay their fees in installments.



**2.1.5 Reflecting on the strategies adopted to increase / improve access for following categories of learners, enumerate on how the admission policy of the institution and its learner profiles demonstrate/ reflect the National commitment to diversity and inclusion**

- \* SC/ST
- \* OBC
- \* Women
- \* Differently abled
- \* Economically weaker sections
- \* Minority community
- \* Any other

The vision statement of the institution emphasizes on catering to the diverse learner body. The institution not only adheres to university guidelines as far as admitting learners from socially disadvantaged category; but is inclusive of the economically weaker section and the differently abled. The institution being a minority institution follows minority rules to admit learners of Christian minority. The institution has girls and boys hostels, which houses learners from across country as well as from abroad. Institution receives a large number of learners from North-east states of diverse ethnic backgrounds.

<b>2016-17</b>	SC	ST	OBC	NT/DT	SBC	Women	Differently Abled	Economically Weaker Section **	Minority
ARTS	36	03	14	03	01	455	07	Approx 175	284
SCIENCE	34	01	37	09	06	5483	00		117
B.Sc.(IT)	16	01	19	03	03	40	01		71
B.Sc. (BT)				01		33			
BMM	06	02	09	06	01	153	01		39
BMS	13	03	36	07	05	166	00		139
BAF	05	00	03	01	03	27	00		05
M.Sc. (I & II)	02	01	07	00	01	63	00		14
M.Sc. (Research)	--	--	--	--	--	--	--		--
Ph.D. (Sc.)	--	--	--	--	--	09	--		--
Ph.D. (Arts)	--	--	--	--	--	--	--		--
Total	112	11	125	30	20	1,429	09	175	489
<b>2015-16</b>	SC	ST	OBC	NT/DT	SBC	Women	Differently Abled	Economically Weaker Section **	Minority
ARTS	21	07	24	13	05	423	05	210	255
SCIENCE	17	03	26	12	02	453			233
B.Sc. (BT)			02			45			23
B.Sc.(IT)	15		15	03		42			69
BMM	09	03	08	06	00	147	01		94
BMS	13	01	23	07	03	125			117
M.Sc. (I & II)						59			05
M.Sc. (Research)						03			--
Ph.D. (Sc.)						07			02



Ph.D. (Arts)						06			--
Total	75	14	98	41	10	1310		210	<b>798</b>
<b>2014-15</b>	SC	ST	OBC	NT/DT	SBC	Women	Differently Abled	Economically Weaker Section **	Minority
ARTS	19	07	17	04	02	388		200	246
SCIENCE	32		36	08	10	368			178
B.Sc. (BT)	04		09	01	02	70			41
B.Sc.(IT)	15		11	02		46			61
BMM	08	04	08	05		124	03		90
BMS	08	02	14	01		100			80
M.Sc. (I & II)	04	01	07	01	01	32			06
M.Sc. (Research)						03			--
Ph.D. (Sc.)						08			--
Ph.D. (Arts)						05			--
Total	90	14	102	22	15	1144	03	200	702
<b>2013-14</b>	SC	ST	OBC	NT/DT	SBC	Women	Differently Abled	Economically Weaker Section **	Minority
ARTS	08	32	11			342		51	218
SCIENCE	29	01	16	01		430			180
B.Sc. (BT)	04	01	02			68			
B.Sc.(IT)	12		13	01	16	46	01		42
BMM	12	04	13	03	01	112			68
BMS	08	05	11	02	02	69	01		63
M.Sc. (I & II)	01		07		01	45			07
M.Sc. (Research)						02			--
Ph.D. (Sc.)						05			--
Ph.D. (Arts)						04			--
Total	74	43	73	07	20	1123	02	51	578
<b>2012-13</b>	SC	ST	OBC	NT/DT	SBC	Women	Differently Abled	Economically Weaker Section **	Minority
ARTS	09	03	09	01		323	03	68	205
SCIENCE	30		33	08	07	327			129
B.Sc. (BT)	04		05	01		67			39
B.Sc.(IT)	07	01	14		01	44			47
BMM	11	03	11	02	02	105			74
BMS	10	04	12	02		66			56
M.Sc. (I & II)	01	01	08	01		47			09
M.Sc. (Research)									--
Ph.D. (Sc.)									--
Ph.D. (Arts)									--
Total	72	12	92	15	10	979	03	68	559
<b>2011-12</b>	SC	ST	OBC	NT/DT	SBC	Women	Differently Abled	Economically Weaker Section **	Minority
ARTS	11	19	11			318	08	16	196
SCIENCE	29	03	37	03	07	290			137

B.Sc. (BT)	06	01	07	01		61			33
B.Sc.(IT)	07		10	01		54	01		53
BMM	07	02	10	01		97	03		72
BMS	06	03	07	02		66	02		72
M.Sc. (I & II)	03		06	03		50			10
M.Sc. (Research)						01			--
Ph.D. (Sc.)						01			--
Ph.D. (Arts)						02			--
Total	69	28	89	11	07	940	14	16	573

\*\* The number indicates the total number of learners from all faculties belonging to economically weaker section.

- For learners belonging to SC/ST/ OBC and other categories, stipulated fee concessions are offered.
- Seats falling vacant after the minority quota of 50% is exhausted are filled as per University guidelines Vide Circular No. Aff. /Recog. I/Admission/ (2015 - 16)/3/ of 2015 dated 26th May 2015.
- As per the enrolment data, every year about 25% of learners from other states secure admission and pursue their education here. Many learners from the states of Northeast come to Wilson College to pursue their studies successfully.
- A Mutual Aid Fund / Students Welfare Fund at the institutional level, is in place for learners who need financial assistance.
- Certain scholarships are dedicated only to the needy and the differently abled learners.
- For the Unaided programmes, a fourth merit list for the reserved category is put up. A wait list is also displayed to inform learners of their position on the list.
- For the learners who are differently abled and those with learning disabilities, and learners who have no formal training in Hindi or Marathi at Xth or XII th level, are offered a fourth subject option at FYBA.

**2.1.6 Provide the following details for various programmes offered by the institution during the last four years and comment on the trends i.e. reasons for increase / decrease and actions initiated for improvement. :**

2016-17			
Programmes	No of Applications	Number Admitted	Demand Ratio
UG			
FYBA	Approximately 750	374	2:1
FYBSc	766	386	2:1
FYBMM	Between 1100-1200	103	11.7:1
FYBMS	Between 1200-1300	172	7.6:1
FYBSC (IT)	Approximate 750	73	10.27
BAF	80	60	1.34:1

PG			
M Sc (Part I)	62*	40	
2015-16			
Programmes	No of Applications	Number Admitted	Demand Ratio
UG			
FYBA	Approximately 750	352	2.13:1
FYBSc	1164	324	3.6:1
FYBSc ( CS)	50	50	1:1
FYBSc (BT)	31	31	1:1
FYBMM	Between 1100-1200	94	12.8:1
FYBMS	Between 1200-1300	153	8.5:1
FYBSC (IT)	Approximate 900	61	14.75:1
PG			
M Sc (Part I)	69*	41	
2014-15			
Programmes	No of Applications	Number Admitted	Demand Ratio
UG			
FYBA	Approximately 750	323	2.3:1
FYBSc	2147	296	7.3:1
FYBSc ( CS)	47	47	1:1
FYBSc (BT)	39	39	1:1
FYBMM	Between 1100-1200	83	14.6:1
FYBMS	Between 1200-1300	140	9.3:1
FYBSC (IT)	Approximate 950	84	11.31:1
PG			
M Sc (Part I)	62*	40	
20 13-14			
Programmes	No of Applications	Number Admitted	Demand Ratio
UG			
FYBA	Approximately 750	225	3.34:1
FYBSc	1107	243	4.6:1
FYBSc ( CS)	48	38	1.3:1
FYBSc (BT)	30	30	1:1
FYBMM	Between 1100-1200	70	17.1:1
FYBMS	Between 1200-1300	65	20:1
FYBSC (IT)	Approximate 1100	61	18:1
PG			
M Sc (Part I)	55*	31	
2012 - 13			
Programmes	No of Applications	Number Admitted	Demand Ratio
UG			
FYBA	Approximately 750	219	3.4:1
FYBSc	1050	275	3.8:1
FYBSc ( CS)	46	45	1.02:1

FYBSc (BT)	37	37	1:1
FYBMM	Between 1100-1200	60	20:1
FYBMS	Between 1200-1300	60	21.7:1
FYBSC (IT)	Approximate 1200	60	20:1
PG			
M Sc (Part I)	56*	41	
2011 - 12			
Programmes	No of Applications	Number Admitted	Demand Ratio
UG			
FYBA	Approximately 750	194	3.9:1
FYBSc	782	204	3.8:1
FYBSc (CS)	37	37	1:1
FYBSc (BT)	27	23	1.2:1
FYBMM	Between 1100-1200	60	20:1
FYBMS	Between 1200-1300	60	21.7:1
FYBSC (IT)	Approximate 1300	40	32.5:1
PG			
M Sc (Part I)	46*	39	

\*No of applications received for institution seats

**The trends i.e. Reasons for increase/decrease and actions initiated for improvement. :**

There are no definite trends that could be identified with respect to increase or decrease in the enrolment. By and large, enrolment for most courses has increased over the years. Number of forms received for all courses has remained consistent across years (except for BSc and BSc (IT)), and because the enrolment is more, the demand ratio is falling. Demand for BMM, BMS courses has increased; although for IT has dropped.

Enrolment trends are determined by factors like:

- Pass percentage of XII th examinations is one of the most important factors that determines the demand for seats for various programmes at the entry point.
- In the last few years demand for professional courses has increased, therefore for the existing professional programmes of BMM and BMS, permission for two divisions has been granted.
- Also permission to start M. Sc. (Micro) was granted.
- New courses of BAF and M. Sc. (IT) as self-financing courses have started.
- Since 2014-15, the preference for the Arts programme has increased. Therefore, permission was sought from the University for additional seats.
- TYBA Psychology and French (FYBA) as a second language have been discontinued due to irregular demand and enrolment.

**Other Courses: List of courses in criterion I.**

## 2.2 Catering to Student Diversity

### 2.2.1 *How does the institution cater to the needs of differently-abled students and ensure adherence to government policies in this regard?*

The vision statement of the institution reiterates inclusiveness in education; hence, the institution admits learners who are differently abled and has the following provisions for them:

- AVC caters to the needs of the visually challenged learners. The centre has state-of-the-art ICT software like JAWS, scanning facility and more.
- NSS members as well as other learners volunteer as writers during examinations.
- A Counseling Centre with a full time counselor is available to cater to the emotional and academic needs of the learners.
- Differently abled learners and learners with learning disability are offered an option of opting for Anthropology in place of Hindi and Marathi as a second language.
- Adherence to government rules is maintained. All exam rules are implemented in terms of extra time is given to the learners, a convenient room on the ground floor is allocated for the differently abled for writing examination.
- The adherence to the University rules pertaining to grace marks is followed for the learners with learning disability.

### 2.2.2 *Does the institution assess the learners' needs in terms of knowledge and skills before the commencement of the programme? If 'yes', give details on the process.*

In case of courses that are more challenging, some kind of filtering mechanism is used mainly a test to ascertain their level of competence viz. merit according to marks. Also, for admissions to certain subjects a criterion is decided in terms of marks or whether the paper has been studied before.

### 2.2.3 *What are the strategies adopted by the institution to bridge the knowledge gap of the enrolled learners (Bridge / Remedial / Add-on/ Enrichment Courses, etc.) to enable them to cope with the programme of their choice?*

- Remedial coaching for the learners from the commerce stream is done by the IT and Computer Science departments.
- The Mathematics department conducts a bridge course for learners of the Bio-technology department.
- Enrichment Lectures Courses / Programmes are organised by different departments to add to the knowledge component of different subjects. **Annexure on site visit.**

**2.2.4 How does the institution sensitize its staff and learners on issues such as gender, inclusion, environment etc.?**

The Vision statement of the institution is to provide inclusive and holistic education; it tries to incorporate this in all its policies. All committees, learner bodies and departments try to incorporate the vision in their aims and objectives.

**2.2.5 How does the institution identify and respond to special educational /learning needs of advanced learners?**

Wilson College is an ideal place for a diverse learner community, as its vision is to give learning opportunities for learners of different categories. The institution in general and teachers in particular, are aware and respond to the different needs of different categories of learners. One of the challenges faced by the teachers is to provide equal impetus to the intellectually advanced learners as they have to provide remedial and other support to the weaker learners. Although there is no formal mechanism to identify advanced learners, during class room teaching teachers are able to identify the advanced learners for their participation and response in class and their exam performance. Teachers consciously make an effort to provide additional study material from many national and international academic sources. Efforts are made to incorporate an inter-disciplinary approach to teaching various topics of the syllabus. Reference books are recommended whereby advanced learners are exposed to inputs beyond the syllabi. Departments have their own libraries, which learners can avail of, as well as borrow books from the main institution library. The library resources are updated every year with the purchase of books as per the requirement.

- The institution has initiated various lecture series like Expanding Intellectual Horizons, Good Citizens' lectures. Under this IQAC initiative various departments organize different lectures, seminars and workshops on various academic aspects related to the subjects taught.

**Annexure On Site Visit.**

In addition,

- Learners are encouraged to attend seminars and lectures by eminent academicians at other institutions. They are also encouraged and guidance is provided to participate in the research paper presentation competition.
- Science departments engage learners in research projects.
- Learners are also sent for internships to various organizations for better learning opportunities.
- Special (memorial) lectures are organized that expose advanced learners to diverse ideas and academic inputs.
- Visits to organizations / research institutions, educational excursions add to the knowledge of the learners.

**2.2.6 How does the institution collect, analyze and use the data and information on the academic performance (throughout the programme duration) of the learners at risk of dropout (learners from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc. who may discontinue their studies if some sort of support is not provided)?**

The performance of learners at the examinations is one way to identify the learners at academic drop out risk. Regular attendance record are compiled and monitored with a follow up. Teacher interaction with learners greatly helps in identifying weaker learners. Teachers counsel students and learners at a risk of dropping out are referred to the counselor.

- Students' Mutual Aid Fund and Students' Welfare Fund are provisions for giving financial support to the learners who have difficulty in continuing their education.
- Other Scholarships: consist of prize money given by the institution to meritorious learners, endowment scholarships instituted by the alumni and others given to meritorious learners. Certain endowment scholarships are given to needy girl learners and the visually challenged.
- State / GOI funds for SC/ ST etc.: Institution office follows the procedure of applying for the scholarships of the learners of the reserved categories every year.
- Learners who cannot pay fees in a single installment are allowed to pay fees in installments.
- The Library provides book-bank facility to the economically weaker learners.
- The Counselor provides emotional support and guidance to the learners with adjustment issues.
- The AVC provides state of the art facility to the visually challenged learners to facilitate learning; volunteers at the AVC also lend support as readers and writers to them. Teaching aids are made for them for specific subjects that cannot be supported by the technology.
- Remedial teaching for academically weaker learners is undertaken by departments like Mathematics and Physics.

## **2.3 Teaching-Learning Process**

**2.3.1 How does the institution plan and organize the teaching, learning and evaluation schedules?**

At the beginning of every academic year there is a proper time-table prepared which is strictly adhered to. An academic calendar helps identify in advance various co-curricular and extra-curricular events and lecture schedule is adjusted accordingly. Examination and CAP schedules are also planned in advance to enable smooth execution of the schedules.

Teachers are given academic diaries, so that they can note down all the details of their teaching schedule and teaching plan.

At the end of every academic year a self-evaluation form is filled and submitted by every teacher.

Regular department meetings and department meetings with the Principal at the beginning of the academic year help in planning the academic schedule.

### **2.3.2 How does IQAC contribute to improve the teaching–learning process?**

An Induction programme for new teachers was held which included sessions such as NAAC, CAS and history and ethos of Wilson College. It also included a session on effective communication. In 2016-17 there was a session on CAS and preparing for autonomy for teachers. In 2015-16, a session on innovative methods was organised to figure out student needs and the effective use of blackboards. In 2013-14 a session on innovative teaching methods was organised by Dr. J. Mistry, former Vice-Principal, St. Xavier’s College. He had a separate session with Science teachers on connecting teaching to research.

An orientation programme is held for all first year learners giving them information about examination, activities, academic calendar of the year to facilitate smooth functioning of the courses. A separate session by exam committee convener held for the newly inducted learners to inform them about the examination pattern.

### **2.3.3. How is learning made more learner-centric? Give details on the support structures and systems available for teachers to develop skills like interactive learning, collaborative learning and independent learning among the learners?**

Emphasis of teaching-learning process is on being learner centric so as to make learning multi-dimensional by going beyond chalk and board teaching method.

Major support available to the teachers to devise different teaching methods is: the ICT resources, laboratories, library resources and industry collaborations.

- With ICT, teachers are able to use power point presentations, videos, films and documentaries, images and clippings to make a difference in the learning process. Teachers have groups on the social networking sites to share additional study resources.
- Industrial visits and field trips are a great way of making learning more effective and applied. Departments organize regular educational excursions.
- Guest lectures and other special lectures are opportunities to interact with eminent personalities and experts from diverse fields.
- Internships and placements are another way for interactive and independent learning. The Placement Committee works as a liaison between learners and the industry. Career Guidance and Departments try to get internships and placements for the learners on a regular basis. Skill enhancement programmes like the CEP and ESEP provide internships to the participants in their chosen fields.
- International and National seminars and workshops are organized regularly on various themes, where learners get an opportunity to participate and interact with



experts. Largely, these seminars are accompanied by learner activities like research paper and poster presentation competitions; giving an opportunity to explore their own capabilities and to interact with learners from other institutions. Staff and learners are also encouraged to participate in seminars and workshops held in other institutions.

- Library resources are a major way to enable learners to gain exposure to a variety of subjects and instill independent learning. Library resources are updated every year and new books are added, keeping the learners and staff abreast with recent developments in the respective fields.
- A multidisciplinary approach to learning is ensured by holding sessions on map reading activity at the beginning of the academic year for all final year students.
- Research projects by learners are undertaken mainly by science departments.
- Institution organises certificate and diploma courses for different disciplines in collaboration with outside renowned institutions wherein outside speakers are invited. Some of the courses include activities like trails and camps which make learning interactive and collaborative.

#### ***2.3.4 How does the institution nurture critical thinking, creativity and scientific temper among the learners to transform them into life-long learners and innovators?***

The aim of the institution is to initiate the process of lifelong learning, to make learners explore new areas, question traditional beliefs and adopt rational thinking. Learners are exposed to a variety of learning options by way of organizing seminars, workshops and inviting resource persons from different walks of life. Class room debates, regular exposure to different perspectives and critiques are some efforts to harness critical thinking. Many science departments are PG and Ph. D. centres. Hence, research is a part of academic attitude of the institution.

#### **Annexure No. 10.**

#### ***2.3.5 What are the technologies and facilities available and used by the faculty for effective teaching? Eg: Virtual laboratories, e-learning-resources from National Programme on Technology Enhanced Learning(NPTEL) and National Mission on Education through Information and Communication Technology (NME-ICT), open educational resources, mobile education, etc.***

The teaching-learning process has been effectively supported by the use of technology. Use of ICT is blended with the chalk and board method that still forms the main channel of teaching. E-resources are being used as a major source of information by teachers as well as learners.

- IT, Computer Science and the Botany departments use open educational resources for making teaching more effective. Laptops and LCDs are made available in the classrooms to show PPTs, Films and Documentaries, TEDx and more. The Zoology department makes use of virtual learning for dissections. Teachers incorporate animation clippings, videos as a part of their classroom teaching. The Botany department makes use of computer images like cell organelles and more.

- N-LIST-INFLIBNET facility is available in the library. Internet facility is made available for learners in the library. Departments have internet facility.

### 2.3.6 *How are the learners and faculty exposed to advanced level of knowledge and skills (blended learning, expert lectures, seminars, workshops etc.)?*

Continuous up gradation of knowledge and skills is embedded in the mission, vision statements and the objectives of the institution.

- The faculty is encouraged to attend workshops, refresher and short term courses; and can avail of the FIP to pursue research, attend and participate in national and international seminars, symposia and conferences.
- Learners are also encouraged to engage in research activity by presenting papers at seminars. Guest speakers are invited from diverse disciplines to address and interact with learners. Multidisciplinary and subject specific national and international seminars are organized in the institution that gives exposure to the learners and faculty to a wider arena of knowledge. Learners are encouraged to participate in intercollegiate talks/seminars. Notices are put on the notice boards of talks/seminars held in other institutions.
- Library resources are continuously upgraded every year to ensure that learners have access to the current and contemporary pool of knowledge.
- In the classrooms teachers use ICT resources to make learning more effective and to broaden the knowledge horizons. Through excursions, field visits, industrial visits learners are exposed to a variety of experiences that add value to their learning experiences.

### 2.3.7 *Detail (process and the number of learners / benefitted) on the academic, personal and psycho-social support and guidance services (professional counseling / mentoring / academic advice) provided to learners?*

Most of the academic support and guidance to the learners is given by respective departments and teachers. Academically and financially weaker learners, learners from vernacular mediums, learners with learning disabilities, and visually challenged are provided support, personalized guidance by the teachers, extra efforts are put in by teachers by teaching these learners separately after the regular lectures, teaching aids are prepared for the visually challenged, at times explanation is provided in regional languages, extra notes and answers are provided.

- Departments also organise career related talks by professionals to expose learners to the scope, challenges related to the field. Skill based workshops are held by various departments. CEP and ESEP greatly emphasise on career guidance. **Annexure on site visit.**

Counseling: Institution has a full time counselor who is available for the learners for guidance and counseling. Apart from individual counseling, sessions on stress, time management and career counseling, specific concern related sessions are conducted / organised for various groups of learners.

- The Women's Development Cell looks after the welfare and concerns related to the women learners. Several workshops and talks are organized to address health and hygiene related concerns of girl learners.
- The Andrew's Vision Centre provides academic and other support to the visually challenged learners. Centre provides ICT support for learning, NSS members and other learners volunteer as readers and writers for the visually challenged learners.
- The Mentor System: For the learners of aided section, there is a mentoring system in place where each teacher is a mentor for a smaller group of learners and is in touch with them through the year for academic and other guidance and help. It is purely a voluntary programme for the mentors and the mentees, and is running successfully for the last many years.

**2.3.8 Provide details of innovative teaching approaches / methods adopted by the faculty during the last four years? What are the efforts made by the institution to encourage the faculty to adopt new and innovative approaches and the impact of such innovative practices on learner learning?**

The institution gives teachers the flexibility and freedom to use innovative teaching methods and aids. The Department of Economics makes use of EXCEL package to explain economic theory and quantitative analysis. The work of Nobel Prize winners is discussed to explain the evolution of economic thought. The Political Science and BMM departments incorporate activity based/ experiential learning approach. Maps, songs, films and documentaries are used as teaching aids by arts departments.

The IT department uses various pictures and charts for mind maps and concept maps in the communication skills paper.

The Chemistry department uses 3-D models for visual representations.

The language departments use role play, cartoons, music, film, posters and other means, to illustrate the text.

**2.3.9 How are library resources used to augment the teaching-learning process?**

Library resources are crucial to enhancing the process of teaching – learning:

- Apart from syllabus related reading material, the library houses many research journals and periodicals.
- The library has facilities like an open shelf, book lending and book displays. Theme based displays of books are organized regularly.
- Many departments organize library based lecture.
- New resources are added every year keeping the need and demand of the academic programmes offered.
- A reprography facility available for the learners to make study material quickly available.
- A book-bank facility is made available to the financially weaker learners.

- Internet facility is made available to the learners.

**2.3.10** *Does the institution face any challenges in completing the curriculum within the planned time frame and calendar? If 'yes', elaborate on the challenges encountered and the institutional approaches to overcome these.*

By and large, the institution ensures that proper teaching schedule is maintained and teaching is completed in a stipulated number of teaching days. A centralized timetable is prepared by the time table committee and is followed by the teachers. An academic calendar helps teachers to organise their teaching design. Teachers meticulously plan their teaching schedule as per the scope of the topics to be covered. If need be, teachers conduct extra lectures. The Microbiology and Biotechnology departments allot five lectures per week for a TYBSc paper instead of the official four lectures. Reading material and practical manuals are given to learners to augment lectures.

**2.3.11** *How does the institution monitor and evaluate the quality of teaching learning?*

The Teacher's Assessment Questionnaire (TAQ) is administered to the learners by departments. The questionnaire focuses on all aspects of teaching-learning-evaluation expertise of the teacher viz. regularity and punctuality, covering of the course contents, organization of the classwork, teaching method used, use of various teaching aids and other innovative methods, reading and reference materials provided, evaluation, expertise of the teacher in the subject, nature of interaction with the learners. Each question in the TAQ is marked on a scale of 1 to 3 or 'X' for not applicable, which makes analysis of teacher's evaluation more objective.

However, TAQs are conducted by the teachers and self-assessment approach is applied to its analysis. Each teacher works on the suggestions and responses received to improve the performance. On the basis of the responses, each teacher identifies the strengths and weaknesses of his/ her teaching strategies.

## **2.4 Teacher Quality**

**2.4.1** *Provide the following details and elaborate on the strategies adopted by the institution in planning and management (recruitment and retention) of its human resource (qualified and competent teachers) to meet the changing requirements of the curriculum.*

The faculty is recruited as per the norms of the UGC, Government of Maharashtra and University of Mumbai.

Whenever a vacancy arises, the Institution expedites the process of getting clearance from the University, and NOC from the government. An advertisement is placed in the leading newspapers and subsequently the interview process takes place as per the norms applicable to minority institutions. Well qualified faculty is recruited from diverse backgrounds.

- Whenever there is a delay in the appointment of new faculty, the management

makes ad hoc appointments. In the case of professional courses, senior visiting faculty and experts from the industry are invited to teach the relevant modules.

- Teachers, who join the Wilson College faculty, generally continue at the institution till superannuation. In order to retain the faculty, the institution gives support to both personal and professional growth. Over all, the Management tries to create a healthy and friendly atmosphere, where faculty across the departments interacts with one another.
- Institution also encourages faculty to take part in seminars, workshops, orientation and refresher courses, and all other academic activities that promote their professional growth.
- When the age of superannuation was extended to 62, the Institution obtained an extension for some teachers from the University. Meritorious faculties who are due for retirement, and who are Ph.D. guides, are continued as adjunct faculty.
- Besides following all University guidelines, the Institution facilitates faculty achievements during the annual prize distribution and also records their achievements in *The Wilsonian*.

Highest Qualification	Professor		Associate professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.	--	--	--	--	--	--	--
Ph.D.	01	01	02	06	10	05	25
M.Phil.	--	--	01	04	--	06	11
P.G.	--	--	04	04	07	09	24
Temporary teachers							
D.Sc./D.Litt.	--	--	--	--	--	--	--
Ph.D.	--	--	--	--	--	01	01
M.Phil.	--	--	--	--	01	--	01
P.G.	--	--	--	--	03	30	33
Part-Time teachers							

\* Dr. D.V. Prabhu and Dr. U. K. Ranavat are adjunct professors.

Dr. S.Bhalerao retired in August, 2016 and was appointed as an adjunct professor.

**2.4.2 How does the institution cope with the growing demand/ scarcity of qualified senior faculty to teach new programmes / modern areas(emerging areas)of study being introduced (Biotechnology, IT, Bioinformatics etc.)? Provide details on the efforts made by the institution in this direction and the outcome during the last three years.**

In the last five years the Institution has tried to hire faculty to fill most posts. Wherever there is a demand, teachers are appointed on a contractual basis. Also some of the experienced staff takes lectures for certain subjects where new staff is not available. Eminent professionals/academicians/ experts working in relevant fields are invited as visiting faculty, where they take a few lectures or conduct a workshop on a certain modules. For both aided and self-financing courses, the Institution fills in all vacancies as per University of Mumbai guidelines. For the self-

financing programmes, a coordinator is appointed to be over all in charge. Industry experience is given by organizing visits, internships etc.

Year	No. of Guest Faculty	No. of Visiting Faculty	No. of Temporary Faculty
2016-17	21	30	23
2015-16	30	26	11
2014-15	18	25	12
2013-14	22	13	12
2012-13	31	12	11
2011-12	22	13	11

**2.4.3 Providing details on staff development programmes during the last four years elaborate on the strategies adopted by the institution in enhancing the teacher quality.**

In addition to recruiting well qualified teachers, the institution makes conscious efforts to improve teacher quality during their tenure. Faculty is encouraged to join career advancement programmes conducted by the UGC. The institution also invites experts to interact and address teachers on various career related and pedagogical sessions. A large number of teachers are active in academic programmes such as national, international conferences and seminars as resource persons, paper presenters and participants.

**a) Nomination to staff development programmes:**

Academic Staff Development Programmes	Number of faculty nominated					
	16-17	15-16	14-15	13-14	12-13	11-12
Refresher courses	03	05	03	02	06	05
Orientation programmes	--	01	02	01	04	01
Summer/winter schools, workshops ,etc.	04	02	06	09	04	—

**b) Faculty Training programmes organized by the institution to empower and enable the use of various tools and technology for improved teaching-learning.**

There are continuous efforts made to empower and upgrade teachers with various aspects of the teaching-learning-evaluation process. The main thrust areas are pedagogy, skill enhancement and ICT support for teaching-learning.

Sessions on different aspects of teaching have been conducted by senior faculty of the college as well as experts/ professionals from other institutions.

- Staff Student Academy conducts various activities especially sessions by experts on topics like discovery of Higgs Boson, by Dr. Kajari Mazumdar, TIFR. Sessions on less known facts and religious history of Ladakh, global warming and more were organised.



- Induction programmes are mainly to provide inputs on skill developments. New faculty is mentored by the senior faculty. Special sessions are held to orient them for supervision duties and examination system.
- Training and certificate courses on ICT for the teachers are organized. Workshop on smart boards was conducted to acquaint teachers with the modern teaching methods. Business Analytics and Presentation Techniques Using MS-Excel was organized in collaboration with Enterprise Building Training Solution for teachers.
- Multidisciplinary seminars are organized and teachers are encouraged to present papers.
- Two teachers were deputed and sent for exposure and to explore possibilities about the tie-ups.

**c) Percentage of faculty**

Number of faculty		16-17	15-16	14-15	13-14	12-13	11-12
invited as resource persons in Workshops/Seminars/Conferences organized by external professional agencies	International	03	13	02	00	00	00
	National	18	39	28	18	24	19
participated in external Seminars / Conferences recognized by national/ international professional bodies	International	12	27	25	09	06	13
	National	22	83	89	90	44	51
participated in external Workshops recognized by national/ international professional bodies	National	99	32	41	60	34	54
presented papers/poster in Workshops/Seminars/Conferences conducted or recognized by professional agencies	International	15	20	17	14	11	11
	National	30	16	13	17	14	18

**2.4.4 What policies/systems are in place to recharge teachers? (eg: providing research grants, study leave, support for research and academic publications teaching experience in other national institutions and specialized programmes in industrial engagement etc.)**

The institution ethos of initiating critical thinking and research mindset is visible in the support provided to teachers for the research activities.

- There is a provision for research grant in the annual budget of Rs. 50,000/- for teachers. The special laboratory facility that has been set up as a part of the DST FIST grant is made available for the teachers of the all science departments.
- Research committee is appointed every year. The members of the committee provide research related guidance to other teachers about how to apply for research projects, how to write research proposal, list of journals for publication etc. The Research Committee organized a workshop for senior teachers to orient them on how to write a

research proposal. Teachers are encouraged to undertake research and are granted study leave as per university guide lines.

- Institution has M.Sc. (by Research and Papers) and Ph.D.centres in many departments; this enables the teaching staff to continue with their PhD along with teaching. These departments have well maintained and up graded laboratory facilities. Teachers who are recognized as post-graduate teachers who regularly conduct post graduate lectures at other institutions and at the university.
- Library resources are upgraded every year and N-LIST- INFLIBNET facility is available to the teachers.

**2.4.5 Give the number of faculty who received awards/recognition at the state, national and international level for excellence in teaching during the last four years. Enunciate how the institutional culture and environment contributed to such performance/ achievement of the faculty.**

The institutional efforts to enhance the quality of the academic life have been translated into teachers winning awards, recognitions and accolades. Academic freedom of the teachers is respected, there is a healthy interaction between colleagues within and outside the institution and supportive infrastructure is provided for academic advancements.

**Awards:**

**International**

2012-13:

1. Dr. S. Bhalerao : International Life Time Achievement Award for Outstanding contribution in the field of Plant Ecology and Environmental Science
2. Ms. Zuleika Homavazir: ‘The Outstanding Young Zarathushti Professional of the Year ‘Global Award at the AGM of WZCC at Singapore.

**National:**

2012-13:

1. Ms. Zuleika Homavazir: Dr. Sarvapalli Radhakrishnan Award in recognition of dedication, devotion, and service in the field of education by the Lions Club International

2013-14:

1. Dr. S. Bhalerao : Mother Teresa Excellence Award – 2013 by Integrated Council for Socio- Economic Progress (ICSEP) Kerala, India in recognition of the praiseworthy services, excellent performance and memorable contribution for the overall progress of society.
2. Dr. K. Aruna: ‘The Best Teacher Award’ at Global Educational Growth, New Delhi.

2014-15:

1. Dr. S. Bhalerao: The Glory of India Award for Individual Excellence Recognition of his performance and outstanding contribution.



Prestigious Rajiv Gandhi Excellence Award for Outstanding Individual Achievements and Distinguished Service to the Nation by Indian International Friendship Society.

2. Dr. D.V. Prabhu: Best Chemistry Teacher Award for Higher Education Forum (India) The Life Time Achievement for Teaching from International Science Congress Association (ISCA) at Pacific University, Udaipur.

2016-17:

Dr.Zuleika Homavazir :The Best Educationist Award and a Certificate of Education Excellence awarded by IIEEM International Institution of Education and Management, New Delhi on 15th February 2017.

"The National Mahila Rattan Gold Medal Award" and a Certificate of Education Excellence awarded by The Solidarity Council of India in New Delhi on 15th February 2017.

The Education Leadership Award for "The Best Professor in Management" International Award awarded by British Broadcasting Company - BBC Knowledge in Mumbai on 18th February,2017.

Young Woman Educator and Scholar Award for praiseworthy contribution to Teaching and Scholarly activities in the field of Business \management and E-learning on 8<sup>th</sup> March, 2017 by National Foundation for Entrepreneurship Development (NFED).

#### **State:**

2012-13:

Ms. Zuleika Homavazir: Falicitated by Bombay Parsi Panchayat Chairman- Mr. Dinshaw Mehta for achieving excellence in higher education and for various exemplary community oriented social initiatives.

2015-16:

Dr. S. Bhalerao:

- Best Teacher Award for Outstanding Contribution to Teaching and Education (Environment Science) by Higher Education Forum of Mumbai
- Best Teacher Award 2014-15 Urban Area in recognition of his invaluable contribution to knowledge, teaching and research with sense of commitment, dedication and sincerity.
- Awarded the 3<sup>rd</sup> Faculty Branded Award for Excellence in Research by EET-CRS.

Dr. Jai Knox: has been conferred The Best Indian Award by International Publishing House.

#### **Recognitions**

**2012-13**

1. Dr. Prabhu appointed as Editor in Chief of International Journal of Chemistry and was elected as Vice Chairman of Bombay Association of Science Education (BASE) 2012-2015

2. Dr. Badkar and Mrs. Nalwalla elected as Vice -Presidents of Bombay

Philosophical Society (BPS)

3. Ms. Nalwalla is a member of the governing body of K. R. Kama Institution and Managing Committee of the Asiatic Society of Mumbai

4. Dr. M. Uchil, Dr. S. Bootwala, Dr. S. Irani, all of Department of Chemistry have been recognized as Ph.D. guides in Chemistry for University of Mumbai.

**In 2014-2015, the College received The Best Institution in Science Innovation Award from the Higher Education Forum of the Somaiya Trust**

**For the year 2015-16, the college magazine The Wilsonian won the Late Prof. M. V. Chandgadkar Trophy for the Best College Magazine**

**2.4.6 *Has the institution introduced evaluation of teachers by the learners and external Peers? If yes, how is the evaluation used for improving the quality of the teaching-learning process?***

Periodical evaluation of the teachers is essential to maintain the quality of teaching-learning process.

Evaluation of teachers by learners and peers is necessary to improve the teaching learning process and making the teacher aware of his /her strength and weakness.

- TAQs are administered to learners who rate the teacher on a scale of 1 to 3 or 'X' for not applicable on several parameters.
- The teachers also fill up a detailed self-appraisal form at the end of each academic year.
- As part of the CAS and PBAS system teachers fill in forms which are then verified by the HoDs and subsequently by the Internal Scrutinising Committee. At the last stage, a committee consisting of University representatives, subject experts and a representative from the Joint Director's Office evaluate the teacher/s.
- In June 2016, the institution had a two day academic Audit, whereby each department made a presentations and evaluative feedback was given about strengths and weaknesses of the departments.

**2.5 Evaluation Process and Reforms**

**2.5.1 *How does the institution ensure that the stake holders of the institution especially learners and faculty are aware of the evaluation processes?***

When learners take admission to a particular programme, in the first year, the institution conducts an orientation program which includes a session on evaluation methods prescribed by the university. The learners are made aware of the various rules pertaining to the given program, the type of evaluation system, structure of examinations for various courses and requirements to be fulfilled to successfully complete the given programme.

Departments also conduct induction programmes for learners, where they are made aware of the special requirements to be fulfilled for a particular subject, the pattern of examination questions and the approach needed to study the subject.

Departments also arrange for meetings with learners' parents so that they are made aware of the type of evaluation in the programme and nature of efforts that the learners should put into studying various courses to ensure successful completion of the programme. This session is aimed at keeping parents informed about details of the courses, thus helping them provide better guidance to their children enrolled with the institution.

**2.5.2 *What are the major evaluation reforms of the university that the institution has adopted and what are the reforms initiated by the institution on its own?***

The university moved to a credit based semester system from the year 2011-12. The assessment consists of an internal component and an external component. These changes were automatically implemented in the institution as an affiliated institution.

- The institution has outsourced the processing of exam results to an external agency. When the internal assessment consisted of multiple choice tests, the institution centralized the procedure and all learners attempted online test on specific days. Facilities for giving the test were provided at the computer center and the processing was done by an external agency.
- Since the introduction of Credit Based Semester System allows learner to complete the programme over a longer period of time, a new roll number system was evolved to facilitate smooth conducting of the exams and maintaining records in the institution office.
- Departments conduct multiple preliminary exams in order to prepare them for university examinations.

**2.5.3 *How does the institution ensure effective implementation of the evaluation reforms of the university and those initiated by the institution on its own?***

The exam committee looks after all matters pertaining to evaluation of various courses which are part of programmes offered by the institution. The committee consists of five members headed by a convener (according to university statutes). The institution allows for more people to be included in the committee so that there are a total of ten members. This committee is then subdivided into smaller committee's which oversee evaluation work of different programmes offered by the institution.

- To effectively implement the evaluation reforms the committee meets at the beginning of the year, to review the evaluation process of the previous year and look into new rules/reforms introduced by the university in the new academic year.
- The changes in the evaluation process are explained to faculty members by conducting meetings where all details are discussed. The faculty members in turn explain the evaluation process to the learners as mentioned in 2.5.1 above.
- The exam committee prepares a tentative schedule for the full year. The schedule indicates the approximate dates for conduct of formative and summative evaluation for the academic year. The exam committee sets up timetables in tune with the

university schedule and an academic calendar.

- The Unfair Means Inquiry Committee looks into cases of use of unfair means by learners during examinations. The committee gives a chance to the learners to put forth their cases and if found guilty, a penalty is imposed.

**2.5.4 *Provide details on the formative and summative assessment approaches adopted to measure learner achievement. Cite a few examples which have positively impacted the system.***

Since the new evaluative system of the university has two components of internal and external evaluation, the learner is assessed on the formative as well as summative learning.

- Since the University provides for internal assessment (applicable to first year till 15-16, second year till 16-17, and third year till 17-18), all learners are tested mid-semester on a limited syllabus. This provides an opportunity for teachers and learners to review the teaching learning process, and take corrective action if necessary.
- Since the test/assignment is included in the evaluation for the semester, the learners are motivated to be regular in their studies. Certain subjects have the scope for learners to do comprehensive projects, which provide them opportunities in experiential learning. The practicals for science subjects require learners to maintain journals which are evaluated at the end of the semester.
- Departments conduct mock tests, encourage learners to make presentations and organize seminars, these help to build a deeper understanding of the subject while providing continuous feedback on the teaching-learning process. This constitutes the formative evaluation procedures being followed by the institution.
- In the semester based evaluation pattern followed by the university a summative evaluation is conducted at the end of each semester for all subjects offered by the learners in that semester. The evaluation is in the form of an exam covering the entire syllabus. The institution tries to maintain a good standard in setting question papers and assessment of answer sheets so that all stake holders are provided with a fair idea of the capabilities of the learners.

**2.5.5 *Detail on the significant improvements made in ensuring rigor and transparency in the internal assessment during the last four years and weightages assigned for the overall development of learners (weightage for behavioral aspects, independent learning, communication skills etc.***

The institution follows the procedure for conducting internal exams, prescribed by the University. Departments conduct internal assessment according to a time table, displayed to the learners in advance. The nature of the assessment followed is as prescribed by the Board of Studies in the respective subjects. Generally 5% of the total marks for evaluation in a subject are reserved for class participation.

**2.5.6 *What are the graduate attributes specified by the institution/affiliating university? How does the institution ensure the attainment of these by the learners?***

The graduate attributes are specified in the mission statement of the institution. The institution aims at an overall development of the learner, at academic, professional, social and spiritual levels, by providing education that is contemporary, relevant to global demands, holistic and that initiates critical thinking. To inculcate a life-long learning process, many fold efforts are made.

- The institution is a multi-faculty institution which runs undergraduate courses with 19 specializations spread across 5 programmes under three faculties, postgraduate courses in three subjects with six specialization spread across two programmes and doctoral programmes in four subjects. The institution has sufficient well trained faculty to cater to all courses of study offered by the institution. An eclectic mix of lectures, seminars and workshops, delivered by eminent personalities and experts in various fields allows learners to explore subjects beyond the scope of their syllabi. It also organizes certificate courses in specific areas helping learners explore subject areas not part of their present course of study. The institution constantly drives its learners to excel in their respective fields.
- The institution has a wide range of physical resources in addition to basic infrastructure viz., a library with a vast collection of books, modern laboratories with facilities to perform experiments in relevant areas of study and ICT facilities to promote e-learning.
- The institution supplements the academic programme with programmes like the CEP and the ESEP providing a direction to planning for the future and empowering them with professional skills which will make them job ready. Internships are provided to learners under various programmes helping them gain insight into the practical aspects involved in real work settings.
- The institution has an active NSS unit taking part in various social drives at the local and university level. Lectures and training programmes are organized helping learners understand pressing issues e.g. women's safety, gender sensitivity, addiction, handling stress, etc. Departments also organize learner events highlighting various social themes. The institution also mobilizes staff and learners to help out in times of emergency e.g. during and after natural disasters, beach cleaning, medical emergencies etc. These activities build in learners a social awareness, preparing them to be global citizens of the future.
- A vibrant nature club inculcates in learners awareness about nature and preserving the environment. The club regularly conducts beach cleaning and desilting activities in addition to nature camps across all regions of the country and trails.
- Extra and co-curricular activities and festivals provide an opportunity to develop leadership skills, while planning and organizing various events. The cultural center provides a platform to nurture talents in the areas of performing and fine arts developing in learners a sense of aesthetics and a broad outlook. Literary societies provide a platform for learners to examine issues critically and put forth their views through debates, essay competitions, poetry recitations. Learners also express themselves through articles and poems in the college magazine. These and other activities help the learners in building in themselves a set of values which act as a moral compass guiding them in their journey through life. Student council is body

that provides an opportunity for the students to practice organizational skills at different levels.

- The institution being a Christian institution has a chapel on its campus which organises various activities. These activities are open to learners and staff of all faiths.
- The institution organises various talks/programmes by eminent thinkers from different backgrounds. The institution also observes different days like Independence Day, Republic day, Peace day, Environment day etc. All these help to awaken the learners spiritually.
- Above all, the institution provides equal opportunity to all learners with diverse socio-economic, ethnic, cultural and geographical diversity.

**2.5.7 *What are the mechanisms for redressal of grievances with reference to evaluation both at the institution and University level?***

The institution/University allows learners to apply for revaluation of answer sheets in a particular subject (generally within 15 days from the date of declaration of the result), if they are not satisfied with the grades allotted to them in that subject. The institution follows verification and revaluation procedure as per the university guidelines. If a learner is still not satisfied with the result after the above procedure is duly completed he may appeal to the learner grievance cell of the institution/university. The grievance cell then deliberates on the issue and forwards its recommendation to the head of the institution/university for further action.

**2.6. Learner performance and Learning Outcomes**

**2.6.1 *Does the institution have clearly stated learning outcomes? If 'yes', give details on how the learners and staff are made aware of these?***

The learning outcomes are made tangible in the Mission and the Vision statements. The mission and vision statements are displayed across institution. They are printed in the prospectus. During orientation programme and induction programme learners and teachers are made aware about the learning outcomes of the institution. Paper specific learning outcomes are defined at the beginning of the syllabus, which teachers try to achieve while teaching the course.

**2.6.2 *Enumerate on how the institution monitors and communicates the progress and performance of learners through the duration of the course/programme? Provide an analysis of the students results / achievements (Programme/course wise for last four years) and explain the differences if any and patterns of achievement across the programmes/courses offered.***

The institution provides report cards at the end of each semester. The results and achievements of the learners for every year are tabulated and presented in the college magazine. The analysis of the data is also placed before the Staff Council, LMC and Board of Management for discussion.

**Result Analysis**

2015-16	Semester V					Semester VI				
Programmes	O & A	B	C	D	E	O & A	B	C	D	E
T.Y.B.A.	26.7	26.7	21.3	13.3	2.0	36.6	21.4	14.5	8.3	1.4
T.Y.B.Sc.	53.1	27.9	7.5	0.0	0.0	58.9	21.9	4.1	0.0	0.0
T.Y.B.M.M.	21.0	35.5	29.0	1.6	0.0	41.9	33.9	16.1	0.0	0.0
T.Y.B.M.S.	46.9	28.1	6.3	0.0	0.0	34.4	23.4	14.1	3.1	0.0
T.Y.-I.T.	52.0	14.0	6.0	4.0	0.0	50.0	10.0	4.0	2.0	2.0
T.Y.-C.S.	19.4	13.9	16.7	0.0	0.0	34.3	20.0	2.9	0.0	0.0
TY-BT	58.3	29.2	12.5	0.0	0.0	79.2	20.8	0.0	0.0	0.0
M.sc.	55.6	30.6	5.6			63.9	36.1	0.0		

2014-15	O & A		B		C		D		E	
Programmes	Sem V	Sem VI	Sem V	Sem VI	Sem V	Sem VI	Sem V	Sem VI	Sem V	Sem VI
T.Y.B.A.	25.21	22.69	28.57	22.69	14.29	29.41	9.24	6.72	2.52	0.84
T.Y.B.Sc.	34.17	48.44	32.50	31.25	5.00	5.47	0.83	0.00	0.00	0.00
T.Y.B.M.M.	35.09	24.56	38.60	33.33	12.28	19.30	1.75	3.51	0.00	0.00
T.Y.B.M.S.	35.59	16.95	22.03	23.73	11.86	10.17	16.95	23.73	0.00	0.00
T.Y.-I.T.	54.00	54.00	28.00	16.00	10.00	2.00	0.00	0.00	0.00	0.00
T.Y.-C.S.	7.41	18.52	18.52	22.22	14.81	22.22	3.70	7.41	3.70	0.00
TY-BT	44.12	70.59	23.53	20.59	11.76	2.94	0.00	0.00	0.00	0.00
M.Sc.-II	45.71	51.43	11 B & C	13 B & C			0	0.00	0	0.00

2013-14	O & A		B		C		D		E	
Programme	Sem V	Sem VI	Sem V	Sem VI	Sem V	Sem VI	Sem V	Sem VI	Sem V	Sem VI
T.Y.B.A.	30.00	22.58	25.56	26.88	5.56	21.51	13.33	13.98	0.00	1.08
T.Y.B.Sc.	27.78	32.95	33.33	34.09	5.56	10.23	0.00	0.00	0.00	0.00
T.Y.B.M.M.	15.25	30.51	47.46	33.90	23.73	20.34	0.00	1.69	0.00	0.00
T.Y.B.M.S.	25.47	37.50	23.21	18.75	8.93	6.25	0.00	2.08	16.07	8.47
T.Y.-I.T.	47.92	37.50	25.00	18.75	10.42	6.25	0.00	2.08	0.00	0.00
T.Y.-C.S.	7.14	4.00	39.2	12.00	25.0	32.00	3.57	16.00	0.00	0.00

			9		0				
TY-BT	68.9 7	*	17.2 4		0.00		0.00		0.00
M.Sc.-II	33.34	40.00	40	48.57 B & C			0.00	0.00	0.00

\*Results were wrongly declared by the University and corrected results were not received by the institution

2012-13	Distinction	Ist Class	II nd Class	Pass Class
T.Y.B.A.	0.00	18.24	54.09	18.87
T.Y.B.Sc.	0.00	33.56	42.28	0.67
T.Y.B.M.M.	0.00	80.00	1.54	15.38
T.Y.B.M.S.	0.00	80.70	0.00	3.51
T.Y.-I.T.	0.00	32.08	9.43	26.42
T.Y.-C.S.	0.00	17.14	51.43	0.00
TY-BT	0.00	66.67	27.78	0.00
M.Sc.-II	0.00	30.00	53.33	3.33

2011-12	Distinction	Ist Class	II nd Class	Pass Class
T.Y.B.A.	0.00	12.50	47.50	24.38
T.Y.B.Sc.	0.00	21.11	52.22	0.00
T.Y.B.M.M.	18.33	63.33	11.67	1.67
T.Y.B.M.S.	36.07	26.23	6.56	9.84
T.Y.-I.T.	1.89	56.60	9.43	11.32
T.Y.-C.S.	0.00	7.32	65.85	0.00
TY-BT	0.00	51.52	36.36	0.00
M.Sc.-II	3.85	15.38	73.08	3.85

### Toppers' List

Year	Department	Name and Rank of the Students
2014-15	Philosophy	Michael Moses. 1 <sup>st</sup> rank at the TYBA University examination.
2013-14	Microbiology	1 <sup>st</sup> Sailesh Ladd 2 <sup>nd</sup> Ruth Ammana 3 <sup>rd</sup> AnaghaNaik ranks at TYBSc University examinations
	Information Technology	SubhojitChaterjee 1 <sup>st</sup> rank at the TYBSc University examinations.
2012-13	Microbiology	ApekshaNagare 1 <sup>st</sup> rank at the TYBSc University examination.

### 2.6.3 How are the teaching, learning and assessment strategies of the institution



*structured to facilitate the achievement of the intended learning outcomes?*

Teaching, learning and evaluation is the core process of the institution. The main thrust of the learning outcome is on enhancing employability, global competencies; strive for academic excellence, initiating research, providing holistic and multi-disciplinary education. One of the major concerns of the institution is to provide equal opportunity to a diverse learner body with different back grounds and abilities.

- To achieve these outcomes, the teaching is made relevant, applied and holistic by complementing class room teaching with lectures by experts, field and industrial visits. Extensive use of ICT adds value to the teaching process. Library is continuously upgraded with learning resources. Library also provides internet facility for the learners.
- Programmes for the advanced learners are designed that expand their intellectual horizons, they are encouraged to participate in seminars, present papers, undertake research projects and more.
- Teaching strategies are structured differently for slow and advanced learners. Departments organize remedial teaching sessions for slow learners.
- Andrew's Vision Centre caters to the needs of the visually challenged learners using enabling technologies.
- Examination process is scrupulously followed by the institution as per the university norms. The results are declared on time.

**2.6.4** *What are the measures / initiatives taken up by the institution to enhance the social and economic relevance (learner placements, entrepreneurship, innovation and research aptitude developed among learners etc.) of the courses offered?*

The curriculum of all programmes is designed by the university. However, the institution tries to enhance its relevance using effective teaching learning strategies. The vision statement of the institution aims at making learning holistic, multi-disciplinary, contemporary, and globally relevant.

- The most important objective of the teaching-learning process of the institution is to enhance the employability of the learners along with academic excellence and initiating research orientation.
- Teaching –learning also aims at motivating learners to excel in academics, develop critical thinking and research mindset. Efforts are made to incorporate the ICT component in teaching by using on-line resources. Learners are also encouraged to make power point presentations, use EXCEL for quantitative analysis.
- Certificate and diploma courses complement the teaching strategies to improve the social and economic relevance. Programmes like the Cooperative Education Programme (CEP) and Employability Skill Enhancement Programme (ESEP) are being organized to enhance the employability of the learners, providing exposure to the nuances of various professions. Their employability quotient increases because of the internships offered through these programmes. The Placement Committee is

an active body that looks into campus placements and organizes sessions on career enhancement.

- Entrepreneurship/ startups are encouraged. Many business ventures have been started by the learners of management studies like V K Sports Pvt. Ltd., Adarsh Foundation, an NGO that aims at making the deprived section of the society self – sufficient.

#### ***2.6.5 How does the institution collect and analyze data on learner performance and learning outcomes and use it for planning and overcoming barriers of learning?***

The institution has a well-structured examination committee that conducts examinations and evaluation process and declares timely results. Every year results are analysed and are discussed at the Staff Council, the Local Managing Committee and the Board of Management meetings.

- Apart from academic performance, progress in terms of other learning outcomes like employability, critical thinking and research orientation, social consciousness, multi-disciplinary learning are also taken seriously. Though, some of these attributes cannot be quantified, efforts are made to provide to wider a canvas to the learners. The pedagogical objective of each course is well defined in the university syllabus and efforts are made to translate the same through teaching –learning process and also to go beyond in catering to the capabilities of the diverse learner body.
- Formative evaluation is an ongoing process that happens continuously during the course of teaching. The feedback on the learning process provides insights into planning teaching strategies that change as per the needs and composition of learners.
- Barriers to learning occur when there is difficulty in translating the objective of the course into learning outcomes. To overcome this difficulty different strategies are evolved like remedial teaching, group learning, extra coaching, giving homework and more.

#### ***2.6.6 How does the institution monitor and ensure the achievement of learning outcomes?***

A formal evaluation process, as per the university format, is one of the major ways of monitoring the learning outcomes. Apart from class room teaching learning process, there are other mechanisms in place as well.

- Mentoring system, where one teacher mentor is assigned a few mentees, helps identify slow learners and learners with learning disabilities. Support is provided to the learners from vernacular medium facing learning difficulties. Continuous academic counseling is provided in classroom and outside, for advanced as well as slow learners.
- An informal mechanism of remedial teaching to help academically weaker learners is an integral part of teaching. There are sessions and inputs for advanced learners as well. Department libraries, in addition to the main library resource, provide additional learning resources.

- AVC provides learning support to the visually challenged learners. The centre has computers with supporting software and volunteers to assist the visually challenged. Teaching aids are prepared for the visually challenged. Diagrams in Economics and mathematical expressions are prepared using threads of different thickness and maps are made user friendly by making the outlines perforated with a sharp instrument that can be felt by the learner.
- The institution has a full time counselor to advice and counsel learners to enable them to overcome physical, mental and external barriers to their academic and personal growth.

**2.6.7 Does the institution and individual teachers use assessment / evaluation outcomes as an indicator for evaluating learner performance, achievement of learning objectives and planning? If 'yes', provide details on the process and cite a few examples.**

Learners' performance is an integral part of the academic process of an institution. A formal mechanism of evaluation is an indicator of learning outcomes. It can also indicate extent to which the learning objectives have been achieved and helps in planning the academic process and schedule. However, learners' performance cannot be the final indicator of the success of teaching learning process. Since, students' needs are diverse, the teacher needs to cater differently to the needs of the advanced learners as a well as those of the slow learners.

***Any other relevant information regarding Teaching-Learning and Evaluation which the institution would like to include.***

- Institution receives learners from diverse socio-economic, cultural backgrounds; especially because the institution has boys and girls hostels. It also has learners with different capabilities in terms of learning abilities. Many visually challenged learners are enrolled in the Arts programme. Teachers have the biggest challenge to cater to this diversity by providing an enabling teaching –learning atmosphere to all categories of learners. A strong network of teachers, alumni and external donors provide financial support to learners with financial difficulties. .
- Teachers are paper setters, examiners and moderators at the University for U.G. and P.G. courses.
- Though primarily recognized as U.G. institution, many teachers are invited for delivering post-graduate lecturers as they are recognized PG teachers, and guide PhD researchers.
- Departments have subject specific library resources Andrew's Vision Centre provides a strong support for all for the visually challenged learners.
- Several teachers are also recognized PG teachers and guides for M Sc. research.
- The College administered a feedback questionnaire on evaluation system of the university and communicated to the appropriate authority.

Teachers engaged in PG teaching :

English	Ms. M. Philip Ms. V. Mathew Ms. V. Bhonsle	Microbiology	Dr. K. Aruna Ms. R. Birmole Ms. A. Pendse Ms. M. Gore Ms. J. Mascarenhas
Marathi	Dr. V. Tarkar	Physics	Mr. S. Deodhar Mr. M. Dsouza Mr. M. Shetti Dr. S. Patil
Philosophy	Dr. H. Badkar Ms. S. Nalwalla Dr. B. Mehta	Zoology	Mr. S. Parkar Dr. R. Ghosh Ms. P. Shetti Dr. S. Mane
Botany	Dr. S. Bhalerao Dr. A. Kumar Dr. A. Chris Dr. J. Knox		
Chemistry	Dr. M. Uchil Dr. S. Irani Dr. S. Bootwala Mr. S. Borde Dr. H. Parbat Dr. A. Uzgare Dr. J. Masih		

## List of Ph.D. Guides

Hindi	Dr. U. Ranavat*
Botany	Dr. S. Bhalerao*
Chemistry	Dr. D. Prabhu* Dr. A. Amlani** Dr. S. Irani Dr. M. Uchil Dr. S. Bootwala
Microbiology	Dr. K. Aruna
Zoology	Dr. R. Ghosh

\*Adjunct Professor \*\*Retired in 2014

# CRITERION 3

## RESEARCH, CONSULTANCY AND EXTENSION





## **CRITERIA III - RESEARCH CONSULTANCY AND EXTENSION**

### **Committee Members**

Ms. Shehernaz Nalwalla, IQAC & NAAC Coordinator

Dr. A. Kumar and Dr.S. Bootwala (Co-convenors)

Dr. S. Bhalerao

Dr. S. Patil

Dr. K. Bhatt

Ms. M. Khambawalla

Dr. S. Mane

Dr. H. Parbat

Dr. J. Knox

Mr. T. Fernandes

Ms. Somini Thomas

### CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION

#### 3.1 Promotion of Research

##### 3.1.1 Does the institute have recognized research centre/s of the affiliating University or any other agency/ organization?

The institution has the following departments as recognized research centers.

Departments	2016-17	2015-16	2014-15	2013-14	2012-13	2011-12
Hindi	√	√	√	√	√	√
Botany,	√	√	√	√	√	√
Chemistry	√	√	√	√	√	√
Microbiology,	√	√	√	√	√	√
Zoology					√	√
History			√	√	√	√
<b>Total</b>	<b>4</b>	<b>4</b>	<b>5</b>	<b>5</b>	<b>6</b>	<b>6</b>

##### 3.1.2 Does the institute have a research committee to monitor and address the issues of research? If so, what is its composition? Mention a few recommendations made by the committee for implementation and their impact.

The institution has a Research Committee (RC) to address and monitor research related issues in the institution. The Research Committee has members from different departments, who are active in research related activities. The composition of the present Research Committee is as follows:

Sr. No	Name	Designation and Department
1.	Dr. V. J. Sirwaiya	Principal
2.	Dr. K. Aruna	Professor and Head, Department of Microbiology
3.	Dr. SujataPatil	Asst. Prof., Department of Physics
4.	Dr. S. A. Bhalerao	Professor and Head, Department of Botany
5.	Ms. Michelle Philip	Vice- Principal and Head, Department of English

6.	Dr. AshishUzgare	Vice- Principal, Asst. Prof., Department of Chemistry
7.	Dr. Sakina Bootwala	Asso. Prof., Department of Chemistry
8.	Dr. Anjali Masarguppi	Asst. Prof., Department of Economics

The Research Committee has the following functions:

- To identify potential researchers who are eligible for undertaking research.
- To conduct orientation sessions for potential researcher to disseminate research related information like funding agencies, preparation of research proposals, ethical issues, plagiarism, submission of reports and audited statements of expenditure publications, databases and impact factor.
- To organize workshops and training sessions for students to facilitate participation in research festivals like 'Avishkar', creating awareness of research related activities and prerequisites for doctoral research.
- The Research Committee looks into creating awareness about various funding agencies, their schemes, formats and thrust areas. It encourages the faculty to participate in research activities, it also liaisons with Board of Management for facilitating research related issues, for up gradation of and make the required arrangements.

Recommendations made by the committee:

- More staff members should apply for recognition as research guides.
- All departments should publish research papers in reputed peer-reviewed journals.
- Departments should organise subject-related workshops, seminars, conferences.

Impact:

- Many staff-members are now recognised as research guides of the University of Mumbai.
- It has also resulted in increased participation and submission of research projects by faculty.
- The management has responded positively to the efforts of the Research Committee and made a provision for seed money in the Annual Budget to support and encourage research related activities.
- There has been up gradation of laboratories in keeping with research needs.



### 3.1.3 *What are the measures taken by the institution to facilitate smooth progress and implementation of research schemes / projects?*

Research being an important sphere of education, the institution is making active efforts to inculcate scientific and research-oriented temper amongst the staff and students.

- ***Autonomy to the Principal investigator***

The principal investigator of research project(s) funded by external funding agency enjoys complete freedom to choose the topic, purchase equipment and instruments etc. as per the needs of the project undertaken and the protocol to implement the project.

- ***Timely availability or release of resources***

Resources and funds received are made available to the principal investigator. Funds are received from the funding agencies in instalments, 75% and 25%. The last 25% of the fund is received from the funding agency only after the completion and submission of the report. Hence, this 25% amount is sanctioned by the college as advance.

- ***Adequate infrastructure and human resources***

Computers, scientific instruments and apparatus in the well-equipped laboratories, library resources of the institutional and department libraries are up graded to be availed by researchers. Researchers receive support from the staff of the accounts department as well as of the non-teaching staff. The ‘Central Research Instruments Facility’ developed through DST-FIST funds is an important step towards supporting and strengthening research in the institution.

- ***Time-off, reduced teaching load, special leave etc. to teachers***

Duty leave is sanctioned for presenting papers and attending Conferences (subject to norms prescribed by State Government). Also, leave under FDP is granted for professional development. The institution also encourages teachers to undergo short term training courses/ programmes at centres of higher learning and excellence.

- ***Support in terms of technology and information needs***

Departments and the library have computers and peripherals which is available to the researchers as a source of e-resource. The institution subscribes to national and international journals and has N-LIST-INFLIBNET facility, through which e-journals are made available to the researchers.

- ***Facilitate timely auditing and submission of utilization certificate to the funding agencies.***

The accounts department carries out the audits of the accounts and provides the ‘Utilization Certificate’. This facilitates timely submission of progress report of the research projects to the funding agency, along with the Utilization Certificate, facilitating timely disbursement of the last installment of funds.

- ***Any other.***

During the Annual Prize Distribution function of the institution, the teachers who have been newly recognized as research guides, teachers who have received awards and honors at various research conferences and those who have obtained PhD degrees are felicitated to encourage and motivate them. Teachers' achievements is also published in the institutional magazine 'The Wilsonian'

### ***3.1.4 What are the efforts made by the institution in developing scientific temper and research culture and aptitude among students?***

The institution actively supports research orientation amongst students.

- The management in its annual budget has allotted Rs. 50,000/- towards research activities to be carried out by students. This allows under-graduate students to take up short-term research projects. The institution also provides infrastructural support to these students.
- Students have published papers as well as made paper presentations based on their findings. They also present papers in conferences and seminars and participate in competitions for excellence in paper presentation in research scholars meets. Advanced learners are made aware of progress from UG to PG to PhD.
- Department Festivals: The Microbiology Department organizes the annual departmental inter-collegiate festival BIO MOSAIC. This provides a platform to the learners to exhibit their talents and skills. They also participate in science exhibition by presenting innovative scientific models and posters, which help in nurturing the scientific temper. This exhibition is kept open for learners of neighbouring schools as well.
- Inter-disciplinary events like The Festival of Peace; 'The Great War and the shaping of the Contemporary World' (2014-15), 'Building Bridges across identity Politics' (2015-16), and also the National Environmental Seminars 'EC3: Environment- Care, Conserve, Create'; 'Greening and Sustainability: Re-visioning Environment' (2015-16) and 'Oikos: Our Home, the Planet Earth' (2016-17) were organised. These seminars included paper presentations competitions for under-graduate and post-graduate learners as well as for teachers.
- Learners are informed about and encouraged to participate in the University of Mumbai research festival-Avishkar.0020
- The department of Microbiology had hosted the inter-collegiate 6<sup>th</sup> Konark Research Meet on the 15<sup>th</sup> January, 2016. This event has been organized with the vision to encourage young scientists and to promote research and development in various areas of science.

**3.1.5 Give details of the faculty involvement in active research (Guiding student research, leading Research Projects, engaged in individual/ collaborative research activity etc.)**

The institution promotes research culture amongst the faculty and students which is evident by the data given below, for the year 2016-17:

- Full time teachers with Ph.D. qualification: 25+2 Adjunct Faculty
- Completed Ph.D. in service, during this NAAC cycle: **7**
- On-going PhDs : 8
- Recognized research guides (including M. Sc. by research): **9**
- Number of the minor and major projects undertaken:

Major Research Projects	Year	Completed	Ongoing
	2016-17	-	03(Chemistry)
	2015-16	02(Microbiology)	02(Chemistry)
	2011-14	-	02(Microbiology)
Minor Research Projects	2016-17	05(chemistry) (3univ. +2college )	
		06(Microbiology) (1 univ. +5 college )	
		01(Economics) college	
		01(English) college	
		01(Botany) college	
	2015-16	03(Microbiology)	
	2014-15	04(Microbiology)	02(Microbiology)
	2013-14	-	-
	2012-13	01(Microbiology)	-
	2011-12	03(Microbiology) 01(Chemistry)	01(Zoology)

**3.1.6 Give details of workshops / training programs / sensitization programs conducted / organized by the institution with focus on capacity building in terms of research and imbining research culture among the staff and students.**

The college has taken several initiatives to encourage research and research culture amongst the students and teachers. Some of the initiatives include organizing seminars, workshops, lecture series and training sessions with experts from research organizations TIFR, BARC, IIT-Mumbai and Indore, HBCSE-Mumbai IISER-Pune, BITS-Dubai, North Western University, USA, CCMB-Hyderabad, RSC-London, etc. who spoke on topics like recent trends in research, opportunities in research in India and abroad, and preparation for a research career. The seminars, conferences and workshops organised by the institution in this regard are given below:

	2016-17	2015-16	2014-15	2013-14	2012-13	2011-12	TOTAL
International	2	1	1	1			5
National		2		1	1		4
State		1					1
University	2	1	2	2	1	2	10
College	1		1				2
TOTAL	5	5	4	4	2	2	22

Details in Annexure No. 10

**3.1.7 Provide details of prioritized research areas and the expertise available with the institution**

There are 6 departments recognized as Research Centres by University of Mumbai and 9 research guides recognized to guide Ph.D. students.

The areas of expertise of various departments have been identified.

Sr. No.	Department	Research Areas/ Expertise
1.	Economics	Development Economics
2.	English	20 <sup>th</sup> Century Literature, Popular Culture, Film and Literature
3.	Hindi	Gender Studies
4.	History	City of Mumbai, Western Maharashtra

5.	Philosophy	Gandhian Philosophy, Comparative Religions, Greek Philosophy and Political Philosophy
6.	Biotechnology	Medical Microbiology
7.	Botany	Environmental sciences and Phyto-remediation, bioremediation
8.	Chemistry	Kinetics of Organic reactions, Sewage disposal studies, Coordination chemistry, Environmental Chemistry and Environmental air pollution studies
9.	Microbiology	Medical Microbiology, Environmental Bioremediation, Phytochemicals, Molecular Biology, Classical Microbiology,
10.	Physics	Solid State Physics, Material Science.
11.	Zoology	Animal Physiology, Marine Biology, Fishery Biology and Aquaculture

**3.1.8 Enumerate the efforts of the institution in attracting researches of eminence to visit the campus and interact with teachers and students?**

The college organizes lecture series, panel discussion and interactive sessions with eminent researchers, scientists as well as renowned people in the field of humanities. In order to provide a platform for exchange of ideas and motivation to the students for research eminent researchers are invited as resource persons in the workshops, colloquium and symposium organised by the institution.

**Annexure : On Site Visit**

**3.1.9 What percentage of the faculty has utilized Sabbatical Leave for research activities? How has the provision contributed to improve the quality of research and imbibe research culture on the campus?**

Teachers who wish to avail of leave for study/ research / FDP are sanctioned as per the norms of the University of Mumbai and UGC. In this NAAC cycle, one teacher has availed leave under FIP. Special leaves are also sanctioned for attending seminars and presenting papers abroad. Also, since Wilson College is a research centre in Chemistry and Microbiology, two teachers from Chemistry have completed their Ph.D., and four teachers from Microbiology are pursuing their research without availing of leave under FDP.

Availability of leave has facilitated the teachers to focus on their research work, complete their research in a shorter period and return to their teaching assignments with a fresh outlook and latest inputs in their subject.

**3.1.10 *Provide details of the initiatives taken up by the institution in creating awareness / advocating / transfer of relative findings of research of the institution and elsewhere to students and community (lab to land)***

The research findings and publications are shared amongst the teachers and students. Students and teachers are encouraged to publish their findings in reputed journals and also present papers based on their findings in National/ International conferences and seminars. The copies of the projects are kept in the departmental and main library for easier access. The following research findings are examples which are directly applicable to real life (lab to land). Some of the areas covered are:

- The Hindi department research on gender sensitization studies creates awareness on the subject in society.
- ‘Agriculture in India: Issues, Policies & Challenges’ by Dr. Anjali Masarguppi.
- Removal of heavy metal pollutants like Cr, Zn Ni from soil and waste water, by Dr. Bhalerao, .
- Bioremediation of temple waste (nirmalya) by vermin-composting in a metropolitan city like Mumbai., By Dr. K. Aruna

**3.2 Resource Mobilisation for Research**

**3.2.1 *What percentage of the total budget is earmarked for research? Give details of major heads of expenditure, financial allocation and actual utilization.***

The institution is primarily a UG institution with few recognized Research Centers. The institute, in the recent years has made a provision in its annual budget for supporting research activities. Rs. 10,00,00/- of the total annual budget is allocated for research related activities. The amount allocated is meant for the faculty and for procuring minor equipments, glassware, books etc. However, majority of the funding needed for research is fulfilled through the major and minor research projects received from various funding agencies like University of Mumbai, UGC and DST.

**3.2.2 *Is there a provision in the institution to provide seed money to the faculty for research? If so, specify the amount disbursed and the percentage of the faculty that has availed the facility in the last four years?***

The Management has been allocating an amount of Rs. 50,000/- as seed money for research undertaken by the teaching faculty since the academic year 2015-16. The funds provided can be used for purchasing of minor equipment, instruments, chemicals, subscribing to research journals and for purchasing of reference books.

**3.2.3 *What are the financial provisions made available to support student research projects by students?***

Rs. 50,000/- is allocated by the management to facilitate the research work undertaken by the students at under graduate and postgraduate level.

**3.2.4 How do the various departments/ units / staff of the institute interact in undertaking / interdisciplinary research? Cite examples of organizing interdisciplinary research**

The faculties meet informally, discuss the modalities and plan a collaborative research project. The research proposal is prepared and submitted to the funding agencies for financial grants.

- A collaborative research project undertaken by Dr. V. J. Sirwaiya of chemistry department and Ms. Radhika Birmole of Microbiology department funded by UGC was completed successfully.
- Prof. K. Aruna from microbiology department and Dr. S. Z. Bootwala from chemistry department have successfully completed many small college research projects and published six research paper in reputed journals. The concerned faculties did not face any significant difficulty or challenge during the endeavor and the project was completed successfully in the stipulated period
- The Arts departments have organized many inter-disciplinary seminars, viz, - ‘*The Great War and the shaping of the Contemporary World*’(2014-15), ‘*Building Bridges across identity Politics*’(2015-16), ‘*150 Years of Das Kapital: Revisiting Karl Marx*’(2015-16) was organized by the departments of Economics, Philosophy and Political Science
- The Arts and science departments have organized an inter-disciplinary seminars on environment: Greening and Sustainability: Revisioning the Enviroment.

**3.2.5 How does the institution ensure optimal use of various equipment and research facilities of the institution by its staff and students?**

The institute has 03 computer labs and a total of about 311 computers, 39 printers, 15 scanners, 22 laptops, 18 LCD projectors and 306 internet nodes which are shared by faculty, students and research scholars.

All the recognized Research Centers are well equipped to carry out the research work and are accessible for inter-departmental use to ensure their optimal use.

The recently developed ‘Central Research Instrumentation Facility’ developed under the DIST-FIST Grant also aims at facilitating utilization of the equipment and infrastructure by the faculty members and research students across departments.

A number of journals are subscribed through the library and by the individual departments, and these are accessible to all. Teachers and research scholars also avail of the N-LIST-INFLEBNET facility.

Often visiting scholars from abroad and within the country come to refer to books and journals in our library.

**3.2.6 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facility? If 'yes', give details.**

Grants received from the UGC and other funding agencies are used to strengthen research activity.

- An amount of Rs. 81,00,000/- under DST-FIST in the year 2012 for Teaching and research facilities.
- From time to time our teachers are sanctioned Major and Minor projects by UGC and by University of Mumbai, and the funds obtained thereby are used to purchase instruments, apparatus and chemicals.
- Some of the faculty members have also received Travel Grant from funding agencies( SERB, UGC).Annexure No. 11

The research funds sanctioned and received from various funding agencies, industry/ other organizations are listed in Annexure No. 12

**3.2.7 Enumerate the support provided to the faculty in securing research funds from various funding agencies, industry and other organisations. Provide details of ongoing and completed projects and grants received during the last four years.**

Information regarding the various funding agencies and their areas of interest are informed periodically to teachers via notices. Senior research guides of the institution advise in the formulation of a good research proposals. The necessary administrative and clerical help is made available to teachers. Thus, the Institute encourages faculty to undertake research work and constantly motivates them. This has resulted in increased participation of faculty in research activities.

Details of the ongoing and completed in Annexure no. 13

### **3.3 Research Facilities**

**3.3.1 What are the research facilities available to the students and research scholars within the campus?**

- There are 4 Research Centres recognized by the University and the research laboratories are well-equipped.
- The central library of the college and the various departments subscribe to peer-reviewed journals. Additional resources like INFLIBNET are made available to teachers and researchers.
- The college has recently developed a 'Central Instrumentation Facility' which gives an impetus to research activities.
- There are Computer Centres with computers which have internet access, for teachers and students.
- The students are given all possible assistance to present papers and posters at intercollegiate and national research meets and conferences. The students are also encouraged to work on research projects.



**3.3.2 What are the institutional strategies for planning, upgrading and creating infrastructural facilities to meet the needs of researchers especially in the new and emerging areas of research?**

- Constituting a college-level research committee has been an important step in this regard. This body plays a key role in making recommendations to the management regarding planning, upgrading and creating infrastructural facilities and other research related issues.
- The strategy of the college is to identify budding researchers amongst teachers and students and provide resources, seed money and guidance. The infrastructural facilities and requirements in terms of special instruments / equipment, are upgraded as per the needs of individual departments after due discussion between authorities and the heads of the departments.
- The Research Committee encourages teachers to apply to various outside agencies as well as the College Management for research grants, and also guide teachers in the preparation of a good research proposal.

**3.3.3 Has the institution received any special grants or finances from the industry or other beneficiary agency for developing research facilities? If 'yes', what are the instruments / facilities created during the last four years?**

The institution has received financial assistance under various schemes from UGC, and DST.

The details of funding are as follows:

Sr. No.	Source	Name of the instrument
1	Mr. Abhishek Jaiswal (Donation)	Lynx Mononuclear Microscope- 11 in no.
2	UGC Major Project	Probe ultra Sonicator, 3-Door BioDoc-It system with M-20v UV, UV to Light convertor Plate 21x26cm
3	UGC Additional Grant Phase 1	Inverted Microscope, Laminar Air Flow, Refrigerator, LYO 1550, Mini-Lyodel Freeze Drying System, LCD Projector- 2, Laptop, Desktop(2), Thermo Scientific Forma Direct Heat CO <sub>2</sub> incubator, FTIR and UV Visible Spectrophotometer, ), 2 Laptop HP core 15, 2 Projector (Panasonic), 2 Digital Electronic Balance
4	UGC 11th Plan Grant	Lynx Mononuclear Microscope- 15, Digital incubator
5	UIC Project (Mumbai)	Bucket centrifuge
6	UGC-Phase 2 Additional Grant	Millipore(India) Pvt Ltd (Distilled water), Millipore(India) Pvt Ltd (Prifill kit), BOD Incubator, Digital Rotary shaker,

		2 Digital pH meter (Elico, Model LI-120), ,Fridge (570 Litres), Computer, Ice making machine ,Microwave, Panasonic AC
7	UGC Grant	Colorimeter (Elico, CL-360), 4 Digital Conductometer, (Elico, CM-180) ,2 Flame Photometer (Elico, CL-378), 4 Digital pH meter
8	DBT-FIST	Microscope (20,) Laminar Air Flow ,Biosafety cabine ,Cold centrifuge ,Elisa Reader ,Atomic absorption spectrophotometer, High Performance Liquid Chromatography (HPLC) system, Air Sampler, BGC-MS
9	UGC Minor	Bioreactor model, Elisa Plate Reader, Refrigerated Micro-centrifuge, Systronics UV-VIS spectrophotometer 118.
10	BARC	Air sampler (SKC-SoutasImpactor)-2nos,apparatus and equipment
11	JAYPEE Institute of Biotechnology- Noida	Centrifuge machine ,chemicals
12	Management	Microfuge, Electronic Balance, Centrifuge eltek, Incubator, Tube reciprocating shaker,

### 3.3.4 What are the research facilities made available to the students and research scholars outside the campus/ other research laboratories?

The UG and PG students are assigned research projects/ dissertations and some part of their dissertations (testing/ analysis) is carried out at University laboratories as well as national research laboratories like-

- At IIT Mumbai- ‘Liquid chromatography–mass spectrometry’ (LC-MS), ‘Gas chromatography–mass spectrometry’ (GC-MS), ‘Fourier Transform Infra Red spectroscopy’ (FTIR), ‘X-ray diffraction techniques’ (XRD), ‘Nuclear magnetic resonance’ (NMR).
- At University Department- Fourier transform infrared spectroscopy (FTIR),
- At Institute of Science - Fourier transform infrared spectroscopy (FTIR),
- The Hindi literature students refer to other libraries like Mahatma Gandhi Memorial Library, ‘Hindustani Prachar Sabha’ at Charni Road.

### 3.3.5 Provide details on the library/ information resource centre or any other facilities available specifically for the researchers?

Library facilities /information resources and other facilities available for the researchers are as follows:

- The e-journals available through N-LIST-INFLIBNET in the college library.

- Journals subscribed by the PG departments.
- Special place like annex in Library and bound journal are available.
- The library of Institute of Science, IIT, TIFR, ICT and university Central library for references.
- Reputed Journal donated by TIFR to Microbiology department.
- Chemistry department receives three journals through personal subscription by a faculty member.

**3.3.6 What are the collaborative research facilities developed / created by the research institutes in the college? For e.g. Laboratories, library, instruments, computers, new technology etc.**

The department of Microbiology has two collaborative research projects, one each with Institute of Chemical Technology and JAYPEE Institute of Biotechnology, under which glassware centrifuges machines and necessary chemicals were bought. The Chemistry department has collaboration with BARC under which Air-Samplers were bought.

### **3.4 Research Publications and Awards**

**3.4.1 Highlight the major research achievements of the staff and students in terms of:**

- ***Patents obtained and filed (process and product)***

Dr. Kapil K. Bhatt from Physics department has filed for a patent for his work ‘A novel oxalate ceramic method for the synthesis and production of spinel ferrites’. (Application No. 3257/MUM/2011)

- ***Original research contributing to product improvement***

The institution is yet to offer research that would contribute to product improvement. Departments of Chemistry and Microbiology worked in collaborative research and published six research papers for the future use as antimicrobial agents in pharmaceuticals.

- ***Research studies on surveys benefiting the community or improving the services***

Some of the research work undertaken by the researchers from the department of Botany aims at dealing with soil reclamation through phytoremediation.

- ***Research inputs contributing to new initiatives and social development***

The Department of Microbiology has worked on a project ‘*Microbiological analysis, biochemical composition and antibacterial activity of crude honey against multiple drug resistant Uropathogens*’ with the *Swastik Foundation*, benefitting the tribals of Uttarakhand.

**3.4.2 Does the institute publish or partner in publication of research journal(s)? If 'yes', indicate the composition of the editorial board, publication policies and whether such publication is listed in any international database?**

The institution does not publish any research journal independently. However, some of our senior faculty members are editors/ members of editorial boards of peer reviewed journals. Annexure No. 14

**3.4.3 Give details of publications by the faculty and students:**

Year	Books	Chapters	Papers			Total (Papers)
			International	National	others	
2016-17		3	19	5	-	24
2015-16	-	2	28	6	-	34
2014-15	1	7	31	7	-	38
2013-14	-	1	50	2	-	52
2012-13	2	-	28	5	-	33
2011-12	1	2	26	7	-	33
<b>Total</b>	<b>04</b>	<b>15</b>	<b>182</b>	<b>32</b>	<b>-</b>	<b>214</b>

Details of publications is give in Annexure No. 15

**3.4.4 Provide details (if any) of books published**

Faculty members are engaged in content development in terms of writing books/ chapters in the books. A list of books and chapter publications is given in Annexure No. 16

• **Research awards received by the faculty**

There are no research awards won, however, teachers and students participate in research meets and have won many prizes for poster and oral presentations.

Sr. No.	Department	Name of Faculty	Research related awards	Forum/ organization	Date
1.	Botany	Dr. S. Bhalerao	Best poster Presentation Award	Department of Life Science, Ramnarain Ruia College, Mumbai	24 <sup>th</sup> -26 <sup>th</sup> November 2011.

2.			Best Oral Presentation Award	Maharshi Dayanand College of Arts, Science and Commerce, Mumbai	1 <sup>st</sup> December 2012
3.	Chemistry	Dr. .D. V. Prabhu	Best Oral Presentation Award	International Society biotechnology conference at Antwerp, Belgium	8-10 July, 2013
4.	Microbiology	Dr. Aruna	Best Oral Presentation award	Biotechnology for better tomorrow (BTBT-2013 at Mauritius)	11-12 <sup>th</sup> November 2013.
5.			Best Oral Presentation Award	International Conference on “Biotechnology and Bioengineering” at Bits Pilani, Dubai	29 <sup>th</sup> -30 <sup>th</sup> October 2014.
6.		Mrs. R.Birmole	Second prize in poster presentation Award	NMIMS, Vile Parle	11 <sup>th</sup> -12 <sup>th</sup> November, 2013.
7.		Mr. N .B. Jahagirdar	Best Oral Presentation Award	M.D .College, Mumbai	
8.		Ms. Joyline Mascarenhas	Best Poster Presentation Award	International Conference of Association of Microbiologists of India, at KIIT University Bhubaneshwar	22 <sup>nd</sup> – 25 <sup>th</sup> November 2012

• **Recognition received by the faculty from reputed professional bodies and agencies, Nationally and Internationally**

Wilson College faculty has received awards and accolades from international and national professional bodies and agencies.

Sr. No	Department	Name of Faculty	Others	Forum/ organization	Date
<b>2016-17</b>					
1.	BMS	Dr. Z. Homavazir	The Female Educationist of the Year Award	Estrade Education Awards, Singapore	25th March 2017
2.			The Young Woman Educator & Scholar Award	National Foundation for Entrepreneurship Development, Coimbatore	8th March 2017
3.			The Education Leadership Award for "The Best Professor in Management"	British Broadcasting Company - BBC Knowledge in Mumbai	18th February 2017
4.			The Best Educationist Award and a Certificate of Education Excellence	International Institute of Education and Management, New Delhi	15th February 2017
5.			The National Mahila Rattan Gold Medal Award" and a Certificate of Education Excellence	The Solidarity Council of India, New Delhi	15th February 2017
<b>2015-16</b>					
6.	Botany	Dr. S.Bhalerao	'Best Teacher Award 2014-15	University of Mumbai	26 January, 2016, Mumbai
7.			'Best Personalities of India'	Friendship Forum	2015
8.		Dr. J. Knox	'Fellow award'	Society of Plant Protection	

				Sciences, IARI, New Delhi	
9.			Best Citizens of India Award, 2015	International Publishing House, New Delhi.	2015
10.	Marathi.	Dr.V.R.Tar kar	Moreshwar Patwardhan Kavya Award	Lokmanya Seva Sangh ,Parel	26 <sup>th</sup> April 2015
<b>2014-15</b>					
11.	Botany	Dr. S.Bhalerao	'Rajiv Gandhi Excellence Award'	Indian International Friendship Society, , New Delhi	4 <sup>th</sup> September 2014, , New Delhi
12.	Chemistry	Dr. D. Prabhu	Life Time Achievement Award for teaching	International Science Congress Association (ISCA)	December 8, 2014 (Presented at 4 <sup>th</sup> Internatio nal Science Congress at Pacific University Udaipur).
13.			Best Chemistry Teacher Award	Higher Education Forum Mumbai, at Navi Mumbai	September 28, 2014.
<b>2013-14</b>					
14.	Botany	Dr. S.Bhalerao	'Fellow Of The Academy Of Environmental Biology'	Shivaji University , Kolhapur	19 <sup>th</sup> Decemb er ,2013.
15.			'Mother Teresa Excellence Award– 2013'	Integrated Council for Socio- Economic Progress (ICSEP) Kerala , India	15 <sup>th</sup> Decem ber , 2013 at Bangalore

16.			Glory Of India Gold Medal'	International Institute of Success Awareness, New Delhi	26 <sup>th</sup> March 2014, New Delhi
17.			'Shiksha Rattan Puraskar For Meritorious Services'	Indian International Friendship Society	26 <sup>th</sup> March 2014, New Delhi
18.			'2 <sup>nd</sup> ACADEMIC BRILLIANCE AWARD-14'	Educationexpo tv (EET) CRS Research & Branding Company, Noida,	9 <sup>th</sup> February 2014. Noida
<b>2012-13</b>					
19.	Botany	Dr. S.Bhalerao	International Life Time Achievement Award at 2 <sup>nd</sup> Science Congress at Vrindawan, Mathura	International Science Congress Association	9 <sup>th</sup> December 2012
20.			'The Best Citizens Of India Award-2013'	The International Publishing House, New Delhi	2013
21.	Microbiology	Dr. K. Aruna	'Bharat Shiksha' Award	Global society for educational growth, New Delhi	2013
22.	BMS	Dr. Zuleika	"The Outstanding Young Zarathushti Professional of the year"	Global Award at the AGM of WZCC at Singapore.	4 <sup>th</sup> January 2013
23.			Dr. SarvepalliRadhakrishnan Award	Lion Club International	5 <sup>th</sup> September 2012
24.	Marathi	Dr.V.R.Tarkar	Lalit Gadhasathi 'Anant Kanekar' SmurutiPuraskar	Kokan Marathi Sahitya Parishad	22 <sup>nd</sup> January 2012



- ***Incentives given to faculty for receiving State, National and International recognitions for research contributions***

The staff members who have received recognition for their research contributions at state, national or international level are felicitated during the Annual Prize Distribution Function of the college. These achievements are mentioned in college magazine 'Wilsonian'. The prize/award winning research paper/poster is displayed in the concerned departments.

### **3.5 Consultancy**

#### **3.5.1 Give details of the systems and strategies for establishing institute-industry interface?**

The institution has tried to bridge the gap between theory and practice, by establishing consultancy services as a part of quality improvement strategy. Many activities like interactive sessions between institute and industry, panel discussions and guest lectures (where industry personnel are invited) are held. These activities are done largely by the individual departments. These initiatives have evolved as a means for establishing linkages with the industry.

#### **3.5.2 What is the stated policy of the institution to promote consultancy? How is the available expertise advocated and publicised?**

There is no distinct institutional policy to promote consultancy. However, the management encourages and motivates the teachers to make use of their personal contacts to explore the possibilities of taking up consultancy services. The departments of Microbiology and Chemistry have been successful in providing consultancy services to industry and BARC respectively as per their expertise and generate revenue for the institution.

#### **3.5.3 How does the institution encourage the staff to utilize their expertise and available facilities for consultancy services?**

The institutional ethos of giving academic freedom to the staff members encourages them to undertake consultancy, permitting the use of institutional resources like space, laboratory facilities, computer facilities, library etc. The institution recognizes and acknowledges the staff for their consultancy and felicitates them during the prize distribution program. A special mention of these achievements is also made in the institutional magazine, 'The Wilsonian'.

**3.5.4 List the broad areas and major consultancy services provided by the institution and the revenue generated during the last five years.**

Sr. No.	Nature of consultancy (To industry/ institution/ individual)	Area	Industry/ Institution	Amount Sanctioned	Amount Utilized	Details of amount utilized
1.	Formulation of $\beta$ -lactam antibiotic encapsulated micro- and multiple-emulsions, and evaluation of its antibacterial activity against $\beta$ -lactamase producing uropathogens.	Medical Microbiology	Institute of Chemical Technology, Mumbai	Rs .50000/	Rs .50000/	Instruments, glassware and Chemicals
2.	Effect of nano-emulsions on drug resistant uropathogens, Collaborative project with	Medical Microbiology	JAYPEE Institute of Information technology, Noida.	Rs. 25,000/-	Rs. 25,000/-	The money was utilized for procuring chemicals for the project
3.	Distribution, behavior and their associated metals Concentration of Nano-particles in urban and sub-urban areas of Mumbai	Environmental Chemistry	BARC	15,75,000/-	Ongoing	Air Sampler, Laminar Air Flow bench etc.

**3.5.5 What is the policy of the institution in sharing the income generated through consultancy (staff involved: institution) and its use for institutional development?**

There is no fixed policy with regards sharing of the income generated through consultancy and its use for the institutional development. It is decided on a case to case basis and necessary resolutions are made as per the nature and need of the consultancy services for procuring chemicals, apparatus, minor instruments etc.

**3.6 Extension Activities and Institutional Social Responsibility**

**3.6.1 How does the institution promote institution- neighbourhood – community network and student engagement, contributing to good citizenship, service orientation and holistic development of students?**

Charter for Institutional Social Responsibility of Wilson College:

“Wilson College is committed to responding spontaneously and collectively to crisis situations in the immediate neighborhood and anywhere in India. It strives to sensitize and mobilize students for social causes which affect the larger community. The College is also committed to nurture, care and conserve the environment, through initiatives that reduce, reuse and recycle the use of natural resources.”

- The institution-neighbourhood -community outreach network facilitates nearby hospitals with blood donation drives.
- In 2015- 2016 the Institution adopted Charni Road Station as part of the Swatch Bharat Abhiyan.
- Every year volunteers help in the management of huge crowds during the Ganpati immersion festival at Chowpatty.
- The institution has initiated career counseling session with Akanksha, an NGO in Girgaum.
- Till 2014, a group of students was selected by the local Member of Parliament, to visit the Parliament each year and this provided a unique learning experience about parliamentary democracy in India.
- The staff is involved both at an institutional and at personal level in a variety of outreach activities.
- The students volunteer with NGOs and charitable institutions often also are interning with them.

Other institutional initiatives are:

- The Green Warrior initiative by the students of collecting waste and sending it for recycling
- Good citizenship values are promoted through activities that students undertake on Independence Day, Human Rights Day, World Peace Day and World Environment Day.

- The social outreach and good citizenship values get further strengthened as the institution often invites personnel from the police, bureaucracy, political arena and civil society to interact with the learners.
- NSS Cell, Nature Club, CEP, Student Council and Women Development Cell conduct various activities for the sensitizing students and orienting them towards social outreach.

Through these activities learners are sensitized, resulting in their holistic development as envisioned in the institutional mission and vision; and also contributing to national development.

### **3.6.2 What is the institutional mechanism to track students' involvement in various social movements/ activities which promote citizenship roles?**

Committees/ departments submit a report of their activities semester -wise to the Staff Council. Often these reports are discussed and the strengths and weaknesses of the programmes/ activities are analysed. Appropriate suggestions are then made.

- The Microbiology, Bio-technology, BMM and BMS departments have institutionalized outreach activities to bring about positive change in society.
- Learners volunteer for various outreach activities and work under the guidance of staff-in-charge of various committees/ activities.
- Since the NSS is a formal body of the University, all activities have to move within the parameters of the rules laid down by the University. The participation records of NSS volunteers are recorded as learners get 10 marks for clocking the requisite hours.
- All other outreach activities are monitored and reviewed from time to time by the teachers in-charge/ conveners. The activities are recorded and documented in the college magazine '*The Wilsonian*'.

### **3.6.3 How does the institution solicit stakeholder perception on the overall performance and quality of the institution?**

Outreach at the college level, is in the form of networking/partnership between the college, society and various stakeholders at large.

- Departments have regular interface with alumni. At both individual and group level alumni give suggestions and feedback.
- Departments have parent-teacher meetings annually.
- Representatives of local bodies have often interact with the Principal.
- Exit feedback forms are taken from the students on graduation, every year where the College as a unit is evaluated on several parameters: quality of education received, teacher-student relationship, college activities, student support, infrastructure, overall student development.

**3.6.4 How does the institution plan and organize its extension and outreach programmes? Provide the budgetary details for last four years, list the major extension and outreach programmes and their impact on the overall development of students.**

**Plan and organization:** Orientation programs are conducted for the first year students where they are sensitized and motivated to enroll for the NSS. The various cells and societies involved in ISR /Extension activities meet in the beginning of the academic year and plan the activities for the year. Participation of students in programs organized by various cells and bodies ensures their involvement in extension and outreach programs.

Under ISR a variety of outreach activities are conducted. While most of them are pre-planned and a schedule is set up, the response to natural calamities and others (Terrorist attacks) are more spontaneous and cannot be a part of the planned activities for the year.

**Budget:** For the budget of 2017-18 there is a budgetary provision of Rs. 25,000/- for extension and outreach activities.

**Others:**

The **NSS** unit receives grants from the University. The University sanctions one NSS unit which allows the College to enroll 50 volunteers every year. Accordingly the college receives grants (Rs. 210/ volunteer i.e. Rs. 210x 50= Rs. 10,500/-) for the regular activities and for the special 7- day rural camp (Rs. 450/- per participating volunteer) from the University.

The **Nature Club** collects a fee of Rs.30 /membership fees per student and the sum is used for organizing activities in college, subsidizing overnight treks and tree plantation activities.

<b>Year</b>	<b>Registration fees× No. of Students</b>	<b>Total</b>
2016-17	150×30	4500/
2015-16	130×30	3900/-
2014-15	150×30	4500/-
2013-14	150×30	4500/-
2012-13	210×30	6300/-
2011-12	420×30	12600/-

Funds are raised through contributions for all extension activities. The institution solicits donations from staff and students for various relief efforts.

<b>Year</b>	<b>Extension/ Outreach Activity</b>	<b>Sponsoring Body/ Association</b>	<b>Beneficiary (people who are benefitted)</b>	<b>Amount</b>	
2016-17	Terry Fox Run	Terry Fox India Committee	Cancer Patients	Donated Rs2.5 Cr.(still collecting)	
	OHANA	Manav Foundation	Mental Health Patients	Rs. 2500/-	
	BMM		Yusuf Meherally Centre	Rs. 10,000/-	
	Nature Club			People of Tara Village	Rs. 11,000/-
				Children of Corel Village	Rs. 5,500/-
				Goonj NGO	Rs. 7,000/-
				Yusuf Meherally Centre	Rs. 4,40,000/-
				Goonj NGO (Assam flood relief)	Rs. 13,500/-
2015-16	HOPE SUPPORTS NEPAL	Indian Red Cross Society & Goonj Foundation	Essential items for earthquake victims of Nepal.	Donated Rs. 3,35,189	
	Terry Fox Run	Terry Fox India Committee	Cancer Patients	Donated Rs3.5 Cr.	
	Hope - Umbrella Mosaic	Big Brother Foundation Set Limca Book of Record	Cancer patients	Donated Rs 2 Lakh	
	BMM			People of Tara Village	Rs. 12,000/-
				Children of Corel Village	Rs. 6,000/-
				Goonj NGO	Rs. 6,500/-
				Yusuf Meherally Centre	Rs. 40,000/-
2014-15	BMM		People of Tara Village	Rs. 6,000/-	
			Children of Corel	Rs. 13,000/-	

	Nature Club		Village	
			Goonj NGO	Rs. 7,500/-
			Yusuf Meherally Centre	Rs. 1,25,000/-
			Kashmir flood relief	Rs. 85,000/-
2013-14	BMM		People of Tara Village	Rs. 5,500/-
			Children of Corel Village	Rs. 14,500/-
			Goonj NGO	Rs. 6,000/-
	Nature Club		Yusuf Meherally Centre	Rs. 35,000/-
			Uttarakhand flood relief	Rs. 67,800/-
2012-13	BMM		Children of Corel Village	Rs. 6,000/-
			Goonj NGO	Rs. 6,500/-
	Nature Club		Yusuf Meherally Centre	Rs. 27,000/-
2011-12	Hope - Bike Rally	Jivan Asha Bal Bhavan	Society of Mary, (for the helpless, old and Children)	Rs 20,000/-
	BMM		Children of Corel Village	Rs. 6,000/-
			Goonj NGO	Rs. 6,500/-
	Nature Club		Yusuf Meherally Centre	Rs. 1,00,000/-

Extension and outreach programs: On Site Visit

### **Impact on the overall development of students through**

- Sensitising students about social, environmental and economic needs helping them become aware and responsible citizens.
- Inculcating the habit of giving back to the society, helping vulnerable sections.
- Organizing waste collection drives and participating in eco-friendly Ganesh Visarjan, organizing campaigns like 'Say No to Plastics', E-waste management and paper- recycling has helped in promoting eco-friendly practices on campus. As a

part of Swachh Bharat Abhiyan, the Charni Road station was adopted. These have inculcated environmental ethics among learners.

- Participation in tree plantation drives has made learners aware about nature conservation
- Developing soft skills like organizing, networking, and fund raising
- Improving communication skills through content development for awareness programmes

**3.6.5 How does the institution promote the participation of students and faculty in extension activities including participation in NSS, NCC, YRC and other National / International agencies?**

The NSS, NC, Rotract Club undertake membership enrollment drives at the beginning of each academic year. Participation is promoted by word of mouth, official notices circulated in classes and through the posters and notices displayed within the college campus and through social media. An orientation program is organized every year to create awareness and encourage participation in the said activities. Duty leave is given to the NSS coordinator for undergoing training. In case some staff member wants to volunteer for outreach activity e.g. Flood relief, tsunami relief then duty leave is given at the discretion of the principal.

**3.6.6 Give details on social surveys, research or extension work (if any) undertaken by the college to ensure social justice and empower students from underprivileged and vulnerable sections of society?**

No social surveys or research work has been undertaken by the institution. However as an educational institution several of the outreach activities of the college aim at empowering the underprivileged and vulnerable sections of the society through knowledge. By educating students from the marginalsied sections on a variety of issues we to create more just and equitable society.

Department	Activity	Beneficiary
Microbiology	Testing honey sample	Tribals – Satvik Foundation
	A two - day ‘Open Day’ Workshop - hands on training on microbiological techniques.	For the students of std VI and IX from neighboring schools: Wilson High School, Anza School, St. Columba High School, St. Agnes High School, Bharda High School.
Physics	Demonstrating interesting experiments in wave and optics in the Physics	11 girl students from Adiwasi Sahaj Shikshan Pariw



	Laboratory.	ar's hostel, Maswan, Palghar
	Sky gazing session	70 school students of 'ShivBhakta Ashram Shala' at Lavhali near Vangani
	Talk on 'The Big and Small of the Universe'	40 girl students of 'AdiwasiSahaj-ShikshanPariwar's girls' hostel at Maswan near Palghar
Civil Service Centre	Facilitating study material, sessions, coaching, etc.	Students who can access study material, guidance for preparation for competitive examinations.
Andrews' Vision Centre	Providing assistive ICT, physical, financial and academic support, organizing developmental programmes	Visually challenged students of Wilson College and elsewhere.
BMM	Providing school stationery	Students and schools in the marginalized tribal areas such as Corel village and Tara.
	Providing the entire stationery requirement	29 tribal girls in Tara Village
	Providing science and geography study material and charts .	School in Tara Village
	Exposure and education about the history and culture of Maharashtra. (in association with ChhatrapatiShivajiMaharajVastuSanghr alaya through Museum on Wheels)	Students in rural areas (Karnala)
BMS	The Terry Fox Run Awareness Campaign	Spreading awareness of cancer amongst children
	'Secret Cyber Police' Prank And a talk by psychologist Ms. PallaviBhurkay.	Educating vulnerable young people about the dangers of being cyber-sucked.
	SUPER HERO MILE 2014: This initiative was aimed at spreading	For all sections of society where children are

	awareness about child abuse	vulnerable
	STREE- She Matters: This initiative was aimed at spreading awareness about cervical cancer.	For women across all sections of society
	‘Inter-Generation Gap’ a seminar (in collaboration with Mumbai Police) A talent show was organized for the senior citizens.	To sensitize students to the concerns of senior citizens
	Zombie Walk : A March against Hunger .	The underprivileged, poor.
	‘I Pledge’, an initiative to spread literacy on Eye Donation.	For the visually challenged.
	‘Dance For A Life’: India’s largest flash mob – A Voice against Female Infanticide.	The girl child
	“Youth For India” Performance Bike Rally (in association with Ducati and Performance Racing) Money generated was donated to an old age home .	To empower students to mobilize themselves to support Senior Citizens in Old Age Homes

**3.6.7 Reflecting on objectives and expected outcomes of the extension activities organized by the institution, comment on how they complement students’ academic learning experience and specify the values and skills inculcated.**

The Mission statement of the institution states the aim of education as producing intellectually well trained and socially conscious new generation.. While academics and curricular activities aim at the intellectual development, extension activities organized by various committees of the organization, contribute towards raising social awareness and sensitizing them on the issues and concerns raised in the curriculum. These extension activities complement student’s academic learning experience in a holistic manner, wherein students are sensitized about issues, challenges and needs of the less privileged. They learn citizenship, universal and human values like democracy, peace, justice, tolerance, compassion, equality, etc., through experiential learning as they graduate. Additionally, these activities equip students with organizational, social and people soft skills and often provide hands-on experiences with real life situations.

**3.6.8 How does the institution ensure the involvement of the community in its reach out activities and contribute to the community development? Detail on the initiatives of the initiatives of the institution that encourage community participation in its activities?**

The institution involves the community by way of its outreach activity both in the sense of partnering with various NGOs and. Programs are worked out keeping in mind people's need, concerns and expectations.

- Students attend NSS camps and work with the local tribal community in Palghar and help to improve infrastructure in the village.
- Schools in the neighbourhood are benefited when their learners are invited to visit some science department laboratories.
- NSS students offer voluntary services in the home of the blind, orphanages, an old age home, etc.
- Through the medium of street plays, flash mobs and posters, the institution reaches out to the wider community on issues of sex selective abortions, violence against women, environmental issues.

**3.6.9 Give details on the constructive relationships forged (if any) with other institutions of the locality for working on various outreach and extension activities.**

Details of constructive relationship forged with other institutions of the locality for working on various outreach and extension activities.

<b>Institution/ Organization Name</b>	<b>Program</b>
Mumbai Police	Assisting police during Ganpati Visarjan (Girgaum, Chowpatty) and seminar on Inter-Generation Gap
Adiwasi Gram SevaSangh. Kainad	Craft workshop for Adiwasi children, Socio-economic Survey
MDACS Red Ribbon Club	AIDS awareness
Hospitals(St. George, Breach Candy, Saifee, Wokhardt)	Blood donation Camps, Thalassemia detection camp , CPR workshop
Ashadaan- Old age home	Christmas celebration
Wilson High School	Teaching
Red Dot Foundation	Gender sensitivity and Sexual harassment

Charni Road Railway Station	Cleanliness campaign
Leprosy Mission Trust of India	Leprosy awareness campaign
Rotaract Club of Mumbai	Project marketing entitled, “The Chronicles”
Young Men and Women Christian Association	Thanks giving program
Salaam Bombay Foundation	Anti-Tobacco campaign
Hill Spring International School, Tardeo	Projects on luminescent organisms
Satwik Foundation	Honey sample analysis
BARC, Mumbai	Empowering India through atomic energy
Shiv Bhakti Ashram Shala and AdiwasiSahaj-ShikshanPariwar	Sky gazing session
Brahmkumari Society	Leadership Quality, 7billian acts of goodness, Moral Values and Anti-Tobacco campaign on the occasion of world Cancer day

**3.6.10 Give details of awards received by the institution for extension activities and/ contributions to the social/ community development during the last four years.**

The institution has not received any award for extension activities. However Ms. Steffi .G. Fernandes was awarded Best NCC cadet from all over Maharashtra.

**3.7 Collaborations**

**3.7.1 How does the institution collaborate and interact with research laboratories, institutes and industry for research activities? Cite examples and benefits accrued of the initiatives – collaborative research, staff exchange, sharing facilities and equipment, research scholarships etc.**

- Collaboration with Asiatic Society of Mumbai, the K. R. Cama Oriental Institute, the departments of University of Mumbai, BARC have resulted in the college getting the benefits by scholars being invited to Wilson College.
- In August 2016, the college through its association with Tata Literature Live, was able to invite four scholars of international eminence and one scholar of national eminence.

- Through the college association with the Asiatic Society of Mumbai (going back to 1830) the two institutes, share the cost of digitizing the entire volumes of the Oriental Christian Spectator, a journal edited by Dr. John Wilson. Further our students also volunteer for several of the functions organized by the Society, thereby having a chance to interact with scholar and several other eminent personalities.
- One staff member is an office bearer and member of several committees of the society.
- The college has continued association with Yusuf Meherally Centre since 1982 and undertaken-
  - a. Several tree planting Programs, helped in building nursery and conduct training program in village school.
  - b. The students and teachers have donated equipments, books, bags, and clothes for tribal girls and other tribal students in the villages- Tara, Corel, Barapada.
  - c. Helped in building facilities like constructing toilet blocks, repair dorms and have provided 36 sets of bunk beds at the camping centre.
- Goethe Institute collaboration
  - a. A seminar for exposure to global poetry, Poets translating Poets, was organized where German and South Asian Poets participated.
  - b. Associated for organizing an International seminar, 150 years of DAS KAPITAL: Re-Visiting Karl Marx.
- The students participated in tree planting drive and trails organized by the Conservation and Education Centre of BNHS. Seminar on environment- Oikos was organized in the month of February, this year in association with BNHS
- Department of Philosophy -Wilson College Department of Philosophy, University of Mumbai and the Bombay Philosophical Society have collaborated for the annual 'Dr. Ookerjee Memorial Seminar' for both students and teachers.
- Department of English collaborated with Rajiv Gandhi Institute for Contemporary studies, University of Mumbai, World Story Telling Association and conducted an international workshop on Magic of the Word: Story Telling For Ecological Conservation and Inter-Cultural Harmony in 2011-12.
- Students of Chemistry and Microbiology departments work in collaborations with other laboratories such as ICT, TIFR and University of Mumbai for their research work. These interactions resulted in-
  - a. Collaborative projects between Department of Microbiology and Jaypee Institute of Information Technology, Noida.
  - b. Department of Microbiology and Institute of Chemical Technology, Mumbai undertook a collaborative research.
  - c. Chemistry department has a research project in collaboration with BARC.

- Research guides and other faculty members who interact with research laboratories and industries obtain the benefits of inter-institutional collaboration.
- As an outcome of the efforts made in this direction, the institution started some certificate and diploma courses/ programs, enlisted in the table below :

<b>Title/ Organising Department</b>	<b>Aim/ Details</b>	<b>In Collaboration with</b>	<b>No. of Learners</b>
<b>Certificate Courses</b>			
Local Culture / IQAC	To orient learners towards understanding local culture and the management and preservation of our heritage. Continued in 2012-13, 2014-15, 2015-16, 2016-17	The Asiatic Society of Mumbai	35
Indian Scripts and Numismatics History Department and IQAC	To add value and broaden the existing scope of the topic in the syllabus and to develop interest the area	Asiatic Society of Mumbai	25
Heritage Management and Conservation IQAC	The sessions aimed at educating learners about heritage management and conservation at an introductory level. Conducted in 2013-14, 2015-16 , 2016-17	The K.R. Cama Oriental Institute	35
Technical Research (Basic Level) BMS Department	To understand the basics of the Financial Markets and equity research with technical research analysis and asset classes (from 2014-15)	Knowledge Mould	71
The Global Business and International Leadership Programme BMS Department	To enable students to build a structured perspective of the real world and a healthy understanding of the dynamics, presented through case studies, perspectives started by eminent professional from varied sectors (2016-17)	KnoweldgeMould and The Free Press Journal	120

Secured Certified Computer User (Basic) CS/ IT	To initiate participants in Information Communication Technology (ICT), build awareness about information security, to impart additional life and employability skills, and extended learning.  ( 2013-14, 2014-15)	Zen Technologies	08
Information Security (Foundation)(Plus Basic) CS/ IT	Prepares for the global certification in Ethical Hacking conducted by EC Council ( 2014-15)	Zen Technologies	16
Basic Analytics Techniques Using MS-EXCEL CS/IT	To equip participants to use advanced EXCEL features  (2015-16)	EBTS (Enterprise Building Training Solutions )	08
SAP- ABAP ( Advanced Business Analytics Programming) CS/IT	To programme SAP database	EBTS (Enterprise Building Training Solutions )	17
Information Security and Cloud Computing CS/IT	To train participants in cyber security and introduce to concepts of cloud servers	EBTS (Enterprise Building Training Solutions )	16
Microsoft Certification in C# and ASP.NET CS/IT	For web based application.  (2015-16)	ATS Learning Solutions Ltd.	61
Digital Marketing (Basic level) BMS Department	To enable participants to broaden their thinking on a more macro level and understand user experience and the changes in the current landscape of doing business  (from 2014-15)	Knowledge Mould	93

Equity Markets BAF	To understand the Indian Stock Market both BSE and NSE and its trading operation	In association with Cognizance Education Pvt. Ltd.	24
<b>Skill Development - Certificate Courses</b>			
Employability Skill Enhancement Programme St. Andrew's House	Impart employability Skills	TISS	45
<b>Diploma Courses</b>			
Pharmaceutical Quality Control and Quality Assurance Management	To teach quality control and quality assurance for Pharma industry	Institute of Pharmaceutical Education and Research (Pune) Pvt. Ltd.	25

**3.7.2 Provide details on the MoUs / collaborative arrangements (if any) with institutions of national importance / other universities / industries / Corporate (Corporate entities) etc. and how they have contributed to the development of the institution**

Details of the MOUs and collaborative arrangements are given below:

SR. NO.	NAME OF ORGANIZATION/ INSTITUTE/ COMPANY	MOU DATE	COURSE/ PROJECT
1.	SASMIRA, Mumbai	22 <sup>nd</sup> Feb. 2017	Diploma in Fashion & Apparel Design Technology (DFADT)
2.			Diploma in Fashion Retailing and Visual Merchandising (FRVM)
3.			Diploma in Apparel Merchandising (DAM)
4.	Yeh China	20 <sup>th</sup> Jan,2017	40 different Programs
5.	Cognizance Education Pvt.	17 <sup>th</sup> Jan, 2017	Certificate course on Equity Markets



	Ltd., Mumbai		
6.	ATS Infotech Pvt. Ltd.	5 <sup>th</sup> Jan, 2017	Microsoft Global Certification Exams.
7.	Knowledge Mould, Mumbai.	5 <sup>th</sup> Jan, 2017	Global Business & International Program
8.		6 <sup>th</sup> Dec. 2016	Introductory Program On Technical Research,
9.			Advanced Program On Technical Research,
10.			Introductory Program On Digital Marketing
11.			Advance Program on Digital Marketing
12.			Introductory Program on Excel
13.			Advanced Program On Excel
14.			BARC, Mumbai
15.	Institute of Chemical Technology, Mumbai	4 <sup>th</sup> March 2011	Formulation of $\beta$ -lactam antibiotic encapsulated micro- and multiple-emulsions, and evaluation of its antibacterial activity against $\beta$ -lactamase producing uropathogens
16.	JAYPEE Institute of Information Technology, Noida	9 <sup>th</sup> October 2015	Antibacterial studies of Nano-emulsion

- A number of learners have benefited through various courses and programs initiated.
- Funds from the collaborative projects were utilized to procure instruments (Air Sampler, Laminar Air Flow bench and Centrifuge machine), glassware and chemicals adding up to the resources for the researchers.
- Part of funds is also used for the infrastructure and development of the institution.
- The funds collected through the MOUs have been used for various developmental activities.

**3.7.3 Give details (if any) on the industry –institution – community interactions that have contributed to the establishment/ creation/ up-gradation of academic facilities, student and staff support, infrastructure facilities of the institution viz. laboratories/ library/ new technology/ placement services etc.**

- Several companies visit the campus for Placement and internships for our students.
- Alumni of 1975-76 (Chemistry) gifted a UV-Visible Spectrophotometer worth around Rs 2, 50, 000/- to the Chemistry Department.
- Lady Tata Memorial Trust sponsored a Workshop on ‘Molecular Biology Techniques’ conducted by Department of Microbiology for the teachers.

**3.7.4 Highlight the names of eminent scientists / participants who contributed to the events, provide details of national and international conference organized by the college during the last four years.**

**Conferences / Workshops/ Seminars organized (2011-17)**

	2016-17	2015-16	2014-15	2013-14	2012-13	2011-12	TOTAL
International	1(Philo) 1(BMS)	1(Eco/Philo/ Pol.Sc.)	Festival of Peace (IQAC)	1(Hindi)			4
National		Seminar on environment( EC3)  Festival of Peace (IQAC)		1(Hindi)	1 (Micro)		5
<b>TOTAL</b>	<b>2</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>-</b>	<b>9</b>

**EMINENT PERSON INVITED**

Sr. No	Department / Organizing body	Title of Conference/ Workshop/ Seminar	Level- International/ National/ State/ University/ College	Period/ Dates	Eminent Resource Persons
2016-17					
1	Philosophy	Revisiting Tagore’s concept of Freedom	International	12 <sup>th</sup> January 2017	Mrs Swati Joshi, Prof.

					Prabodh Parekh, Mr Bhisma Pratim, Dr Darayas Cooper
2	Bachelor of management studies	'Post Demonetisation Era'-The new Normal for India with a Global perspective	International	21 <sup>st</sup> January ,2017	Mr Pramd Karnad, Mr Gaurav Kapur, Dr. Regan Homavazir, Mr .R. N. Bhaskar
2015-16					
3	Economics, Philosophy ,Political Science	150 years of DAS KAPITAL: Re-Visiting Marx	International	August 13, 2015	Dr. Martin Walde, Prof. Jairus Banaji, Dr. Ajit Ranade, Prof. Kanchana Mahadevan
4	IQAC	Greening and Sustainability: Re-Visioning the Environment	National	15 <sup>th</sup> & 16 <sup>th</sup> July	Mr. Darryl D' monte, Dr. Nitin Pandit, Dr. Ajit Gokhale, Dr. Priyadarshini Karve, Dr. Sudhakar Yedla
5	Festival of Peace (IQAC)	Building Bridges across Identity Politics	National	1 <sup>st</sup> & 2 <sup>nd</sup> September 2015	Dr. Yogendra Yadav, Jerry Pinto Dr. Ananda Amritmahal

					Dr. Avathi Ramaiah Dr. Nachiket Mor, Dr. Sanjay Hazarika, Kiran Nagarkar Prashant Talnikar
2014-15					
6	Festival of Peace (IQAC)	The Great War and the Shaping of the Contemporary World	International	4 <sup>th</sup> & 5 <sup>th</sup> August 2014	Mr. Kumar Iyer Mr. Michael Ott Mr. Zareer Masani Dr. Kannamma Raman Ramu Ramanathan Mr. Rafique Baghdadi Mr. Shyam Benegal Prof. Kanchana Mahadevan
2013-14					
7	Hindi	Adivasi Kendrit Hindi Sahitya	National	12 & 13 Sept. 2013	Dr. Ramji Tiwari, Dr. Karuna Shankar Upadhyay,
8		Pravasi Aur Samkalen Hindi Katha Sahitya	International Seminar	6 <sup>th</sup> Jan. 2014	Ms. Susham Vedi,

					Ms. Usha Raje Sexena, Dr. Sooryabala Lal,
2012-13					
9	Microbiology	National Symposium on 'Exploring the Environment- A Microbiological Approach' on	National	5 <sup>th</sup> January, 2013	Dr. Pragya Shukla, Dr. S.K. Apte, Dr S Shivaji, Dr. Archana Gayatri Dr. Trupti Gokhale Dr. T. Satanarayana
2011-12 NIL					

**3.7.5 How many of the linkages/ collaborations have actually resulted in formal MoUs and agreements? List out the activities and beneficiaries and cite examples (if any) of the established linkages that are enhanced and / or facilitated –**

Total no. of MOUs signed: 16 (sixteen)

**a) Curriculum development/ enrichment**

The syllabus for certificate courses Local Culture, Heritage Management and Conservation were designed in house, as a result of the collaborations with Asiatic Society of Mumbai and the K.R.Cama Institute respectively

**b) Internship / On-the –job training/ Summer Placement**

- Students successfully completed their internship with an NGO (VCAN) V Citizens Action Network, Mumbai
- BMS and BMM learners do internship in the organizations to the related field

- Learners of M.Sc. Microbiology, Chemistry have carried out short term projects with public and private enterprises.
- Physics, Chemistry and Mathematics learners did internship at Nehru Science Center.
- Physics students did internship at Tata Institute of Fundamental Research, Departments of Physics and Biophysics, University of Mumbai.
- ESEP and PG students are placed with various governments, non-government organizations such as research institutions, industries, Mantralaya, Police Department, Muskan NGOs etc.
- The department of Microbiology conducts Summer Internship for the students of S.Y.B.Sc. at various industries like Coke, GalenticPharma, Micromaster, N M Medical, Saifee Hospital, Bhatia hospital and many more for 15 days -1 month.

***c) Faculty exchange and professional development***

Teachers visit the research laboratories like IIT, ICT, TIFR and BARC for they research work and finding and that helps them in professional development in publishing research papers .Also eminent scientists from Research laboratories are invited in the institute to interact with teachers and students.

***d) Research***

- Ph.D. students from Botany, Chemistry, and Microbiology departments carry out research projects in collaboration with different research institutes making use of library and instrumentation facilities available with the centre
- Research students from Hindi department refer to other private libraries (Mahatma Gandhi Library, Hindustani Prachar Sabha, Charni Road)

***e) Consultancy***

- One MoU signed with BARC
- Collaboration with Jaypee Institute of Information Technology, Noida
- Collaboration Institute of Chemical Technology, Mumbai

***f) Extension***

NSS, BMM, BMS, Rotract club, Hostels and some of the departments work with the less privileged section of the society, independently or in collaboration with the NGOs.This has helped in overall development and sensitization of the students

***g) Publications***

Nil

***h) Student Placement***

- The active placement cell of the learners organizes on campus selection drives for the students' placement in various fields.
- BMM and BMS departments also have placement for the students separately.

***i) Introduction of new courses***

- Various certificate courses have been introduced (Refer to 3.7.1)

**3.7.6 *Details on the systematic efforts of the institution in planning, establishing and implementing the initiatives of the linkages/ collaboration. Any other relevant information regarding Research, Consultancy and Extension which the college would like to include***

- In the last five years there has been an incremental growth in research activities. The institution retains faculty with major research contribution as adjunct professors after their superannuation.
- There has been significant interaction with research institutes of national such as BARC, ICT, TIFR, Indian Institute of Geomagnetism, Cancer Research Institute, Haffkine Institute, Birla Institute of Technology and Science, Centre for Cellular and Molecular Biology (CCMB), Polymer Research Group, Johnson and Johnson, USA, Institute of Science, Royal Society of Chemistry, London.
- The institution is not lagging behind in research publications, especially in the faculty of science. Staff members and learners have published research papers in peer-reviewed journals and presented papers at national and international conferences and seminars. Faculty is also invited as resource persons and as chair persons to chair technical sessions.
- The institutional linkage with various institutions and organization has benefitted learners in various ways. .
- IQAC, in collaboration with departments and other bodies, has conducted enrichment programmes, seminars, workshops on research; interaction with researchers etc.
- Central Instrumentation facility, Wifi is made available by the institution in certain departments



# CRITERION 4

## INFRASTRUCTURE AND LEARNING RESOURCES





## **CRITERIA IV - INFRASTRUCTURE AND LEARNING RESOURCE**

### **Committee Members**

Ms. Shehernaz Nalwalla, IQAC & NAAC Coordinator

Ms. V. Mathew and Ms. K. Sirwaiya (Co-Convenors)

Ms. R. Birmole

Mr. S. Borde

Ms. R. Patel

Mr. B. Konde

Mr. S. Pakhale

Dr. J. Masih

Ms. S. Gavankar

Mr. Darshan Udeshi

Mr. Vikram Kamble

## **CRITERION IV : INFRASTRUCTURE AND LEARNING RESOURCES**

### **4.1 Physical Facilities**

#### **4.1.1 *What is the policy of the Institution for creation and enhancement of infrastructure that facilitate effective teaching and learning?***

The College has a policy of continuous evaluation of infrastructure, and its re-organisation and up-gradation as per experienced or projected need, also in keeping with the heritage status of the building. The UGC grants for major and minor research projects and additional UGC grants have been used for upgrading facilities like acquiring computers with internet facility, wi-fi as well as for specialised lab and research instruments. For the projected need of space for Self Financing Courses, the St Andrew's House building was renovated during June-August 2016 with state of the art facilities to create the Centre for Self Financed Courses with class rooms, labs, office space and amenities.

- Space usage is optimised by having a mix of large and small classrooms and creating classrooms from blocked spaces (Room Nos 113, 104, 31).
- Lectures for different classes held with staggered time-tables. (Final and second year classes share the same classrooms at different time of the day.)
- Need- based up-gradation of instruments and computers in labs and in college.
- Under DST-FIST grant, microscopes were procured and given to Microbiology and Zoology depts. A DST-FIST Computer lab has been created as well as the E-Learning Centre.
- College provides annual budget for garden and two full time gardeners for creation and maintenance of many garden areas in the campus for study of bio-diversity and eco systems and has provided space and facility for composting.

#### **4.1.2 *Detail the facilities available for***

##### ***a) Curricular and co-curricular activities – classrooms, technology enabled learning spaces, seminar halls, tutorial spaces, laboratories, botanical garden, Animal house, specialized facilities and equipment for teaching, learning and research etc.***

The class rooms serve for multiple curricular and co-curricular activities like presentations, debates, discussions, remedial lectures, examinations and tests etc. Smaller class rooms are useful for smaller classes and also serve as tutorial spaces (14, 15, 16, 315, 106, SA002, SA003). The College Hall, AV room, Mini AV room, large class rooms (11, 35, 117, 314, 316 etc) serve as seminar halls as well as venues for departmental events and college festivals. Library is enriched every year with text books, syllabi related reference books and books for general reading, newspapers, magazines and periodicals in 3-4 languages.

- Science Departments have their own separate PG and PhD laboratory/ies.
- ICT enabled teaching can be done in all class rooms as OHPs, laptops and LCD projectors can be used in any class room. IT classrooms and computer labs in St Andrew's House are fitted with mounted overhead LCD projectors, AV Room has mounted LCD projector.
- Most departments have computers with internet connectivity & printers : for teaching-learning, for research, to make paper and poster presentations, to download university question papers for the University practical exams in Computer Science, to apply for special grants, etc.
- Dr Taylor AV Room, Mini AV Room, Conference Room are used for examinations and guest as well as routine lectures (in Chemistry and Foundation Course).
- Many garden spaces across the campus have rich bio-diversity in terms of plant, bird and butterfly species useful for nature study. Taxonomic labeling (naming of trees by their common, scientific and family name) was undertaken by Botany Department to identify plants and trees for their study. Medicinal and bio-diversity areas in garden are being developed.
- St Andrew's House building as the Centre for Self Financed Courses has 51 CCTV cameras in and around class rooms and computer labs for security, discipline and safety of equipment. Fire extinguishers have been put in each computer lab. Computer laboratories, fitted with overhead LCD projectors and sound systems, are shared by CS, IT, Mathematics, and BMS departments. First floor class rooms have fixed overhead LCD projectors.
- DST - FIST laboratory houses instruments and a computer lab shared by many departments for research. An E-Learning Centre is being set up with specialised hardware and software to create teaching - learning modules.
- St. Andrew's Vision Centre (AVC) – has facilities for visually challenged students with specialised software, computers for reading texts.

*(Detail the facilities available for)*

***b) Extra –curricular activities – sports, outdoor and indoor games, gymnasium, auditorium, NSS, NCC, cultural activities, Public speaking, communication skills development, yoga, health and hygiene etc.***

Space in the campus is used for multiple purposes, open spaces are used for sports, to celebrate different college days, college festivals and for putting up stalls for promotion of events. Closed spaces are used for indoor games, health and yoga camps, blood donation drives, skill development initiatives and screening of films etc.

#### **Sports, outdoor and indoor games, Gymkhana**

- McKenzie Auditorium, Quadrangle - for indoor and outdoor games and matches, coaching for cricket and boxing.
- Basket Ball Court, College Gymkhana, College Hall - for indoor and outdoor games

and matches.

- Gymkhana Office has variety of indoor and outdoor sports equipment and a computer to administer sports events.
- In hostels, TV Room / Dining Room / Hall area is used for indoor sports whereas hostel grounds are used for outdoor sports.

#### **Auditorium**

- The College Hall, AV Room, mini AV Room and Conference Room serve as auditoriums and for screening of videos and films and for staging plays.

#### **Cultural Activities**

- The College fest Olé, BMM fest Polaris, BMS fest Adoreá, Microbiology and Biotechnology fest Biomosaic, take place in the College Hall, AV room the McKenzie auditorium, the conference room and in the Quadrangle.
- In hostels, TV Room / Dining Room / Hall area is used for cultural activities. Hostel Day of St Andrew's House is hosted in the College Quadrangle and the Lawns. Pandita Ramabai Hostel and Mackichan Hall Hostel grounds serve as venues for their Hostel Days.
- McKenzie Auditorium, Quadrangle are used for cultural activities and department socials.
- The side rooms above the College Hall are used for NSS, Student Council and Cultural Centre where planning and practice for cultural activities take place.

#### **Skills Development**

- The Conference Room and AV Room host CEP & ESEP skill development workshops and various kinds of training programme.

#### **Yoga, Health and Hygiene**

- College Hall is used for Blood donation camps, Health and Hepatitis check-up camps.
- Conference Room is used for Health and Hepatitis check-up camps.
- AV Room has Workshops for creating awareness about health.
- Mini AV Room, McKenzie Auditorium hosted Yoga Workshops for the staff,

**4.1.3** *How does the institution plan and ensure that the available infrastructure is in line with its academic growth and is optimally utilized? Give specific examples of the facilities developed/augmented and the amount spent during the last four years (Enclose the Master Plan of the Institution / campus and indicate the existing physical infrastructure and the future planned expansions, if any).*

For optimal utilization of space, laboratories have been restructured to create new space for department rooms and lecture rooms. Room no. 402, IQAC Room, Exam Room, PG Botany lab, DST FIST lab, E-learning Centre have been carved out of existing space. The Andrew's Vision Centre has shifted to the College building and

the Counseling Centre has been relocated. St Andrew's House, which now houses the Centre for Self Financed Courses, was restructured with 14 large and 3 small well lit, spacious and airy class rooms, one PG and 2 spacious state-of-the-art computer labs, a staff room, a coordinators' room and an admin block, with ladies and gents washrooms on every floor. For each self financed course, a set of class rooms is assigned that are close to each other as per suggestions of NAAC II peer Team. The BMS, BAF and IT departments have shifted to St. Andrew's House from August 2016.

- The Gymkhana Office was created next to the Quadrangle for better co-ordination of sports activities which are conducted there and in the McKenzie Auditorium.
- The NSS Room, Cultural Centre, Student Council – relocated to the side rooms above the College Hall. (As per suggestions of NAAC II Peer Team) This created space for student activities in the galleries in close proximity of the College Hall.
- The Examination Room has been set up having 2 computers with internet, cupboards to store exam related material, CCTV camera, dedicated digital cyclostyling machine and reprography machine for smooth conduct of exams.
- Mackichan Hall and Pandita Ramabai Girls' Hostel have been renovated with floor and wall tiling, Indian and western style washrooms, geysers, washing machines, water coolers, water purifiers. Hostel inmate capacities have increased. Hostel staff are deployed 24x7 and CCTV cameras are installed to ensure security.
- A Reprography Centre in Saint Andrew's House augments facilities for photo-copying, computer printouts and basic stationery items.
- Master Plan of the Institution / campus – **Annexure 3**.

\* As on Dec 31, 2016

		2016-17	2015-16	2014-15	2013-14	2012-13	2011-12
a	building	9730755	46148	22093981	12198269	19126348	6069165
b	Furniture	4676551	1325437	982422	1799631	3314973	2557094
c	Equipment	84400	432000	460390	2435329	6783709	1281418
d	computers	7750595	749450	538400	--	494246	--
e	vehicles	--	--	--	--	--	1578504
f	Any other (Campus Infra And Facilities & Others)	7623703	300000	14,000	--	8160449	--

**4.1.4 How does the institution ensure that the infrastructure facilities meet the requirements of students with physical disabilities?**

- St. Andrew's Vision Centre (AVC) is equipped with computers that have specialised software for the visually challenged. A co-ordinator manages the AVC and its related activities.
- Visually challenged students were housed in St. Andrew's House boys' hostel in the college campus for ease of their movement (up to April 2016).
- Ramps have been created on the ground floor to facilitate entry in the main building and in the Quadrangle.
- During examinations students with foot or leg injuries and other health issues, are accommodated in the Conference Room on the ground floor close to the ramps.

Sometimes this facility is extended to teachers.

**4.1.5 Give details on the residential facility and various provisions available within them: Hostel Facility, Wi-Fi facility, Recreational facilities, Computer facility, Facilities for medical emergencies, Library facility, Residential facility, Constant supply of safe drinking water, 24 X 7 Security.**

Sr No	Facilities	Pandita Ramabai Hostel	Machickan Hall	St Andrew's House (upto Apr 16)
1	Hostel-Accommodation	Number of rooms-26 Residents-65 2 seater rooms-15 3 seater rooms-7 4 seater rooms-1 5 seater rooms-2	Total Residents-137 Total Rooms-99	Double rooms-21 Single room-11 Total capacity-53 Current academic year-43students from 14states
2	Recreational Facility	Badminton court Garden for group activities Table tennis table Carom board Indoor game & outdoor game area	TV room Indoor sports (carrom, chess) Outdoor sports (football,cricket, volleyball)	Gymnasium, guests rooms. TV with cable connections, Sports, Media center and coffee machine
3	Computer facility with internet access	No hostel computer but most students have personal laptops with internet packs.	Wifi connectivity for the hostel in process. installed CCTV Cameras. hostel intends to purchase laptop, printer, scanner.	3 computers with Wifi connectivity
4	Facilities for Medical Emergencies	Students have access to 2 hospitals -Bhatia hospital -Saifee hospital	Students have access to 3 hospitals -Dalvi hospital -Bhatia hospital -Saifee hospital	Students have access to 2 hospitals -Bhatia hospital -Saifee hospital
5	Library Facility	Yes since many years. UPSC/ IAS competitive exam material available	Yes since many years	Available. Library for UPSC/ IAS study material

6	Residential facility	Warden stays on the premises. A staff member has room in hostel with management permission.	support staff- 3 residences Warden & Assistants- 1+2 residences Staff member of college-1 residence	Warden's residence in the hostel.
7	Safe drinking water facility	2 big cooler, 1 aqua-guard water filter	RO Filtration system and blue star coolers	Aqua-guard water filter available
8	Security	24hrs security Day : 8am-8pm Night : 8pm-8am	24X7 security by 4 residential support staff. Hostel is covered by CCTVs.	24x7 one person is available at the hostel counter.

**4.1.6 What are the provisions made available to students and staff in terms of health care on the campus and off the campus?**

- The College is located close to several hospitals: Bhatia, Dalvi, Saifee, Harkisondas, Cumballa Hill, all are easily accessible.
- Helpline numbers of nearby hospitals for medical emergencies are given to hostel residents.
- College Office, Gymkhana Office and many departments have First Aid Kits.
- Health checkups are organised for students, teaching and non-teaching staff.
- A wheel chair and a stretcher are available on campus for emergencies.
- Health check-up camps organised for students, teaching and non-teaching staff.

**4.1.7 Give details of the Common Facilities available on the campus - spaces for special units like IQAC, Grievance Redressal unit, Women's Cell, Counseling and Career Guidance, Placement Unit, Health Centre, Canteen, recreational spaces for staff and students, safe drinking water facility, auditorium etc.**

- IQAC Coordinator's Room has been set up with 2 computers, a laptop, internet and one printer and large table space and sufficient storage.
- Canteen is popular among students and visitors with a large menu that is easy on the pocket.
- Gymkhana Office, IQAC Coordinator, Counseling Center, Andrew's Vision Centre(relocated), NSS, Cultural Centre, Student Council – have dedicated rooms.
- The large Staff Common Room with attached kitchen and wash rooms, is used for many staff activities including sports, including semester end CAP work. In St Andrew's House, a Coordinators' Alcove, Staff Alcove and BMS department are located.
- Reprography machine in Library was available for staff and students (upto Oct 2016). A new reprography centre opened in St. Andrew's House in October 2016.
- Bank of Baroda ATM was conveniently located and accessible for staff and students, hostel residents and for public till May 2016.

- Chapel on the ground floor is used for spiritual discourse, worship service and meditation.
- The College Notice Boards at strategic places, departments have own Notice Boards.
- A suggestion Drop Box is available in the college office.
- The College computer hardware engineer has room for storing computer equipment, and spare parts. In St Andrew's House, Server Room stores strategic equipment which includes UPS, internet and DVR servers and hardware firewall.
- Water purifiers are located on every floor in the Main building, in the Canteen, on the first floor in new building.
- LCR and BCR have relaxing spaces, drinking water and sufficient number of wash rooms. There is a full time lady attendant in the Ladies Common Room to monitor and maintain cleanliness. Wash rooms are conveniently located on mezzanine areas in the staircases. In St. Andrew's House, each floor has multiple washrooms for both boys and girls.
- Dr. Taylor A.V. Room (108) (a large auditorium), Mini AV Room (106) (a small AV Room), Conference Room, College Hall, McKenzie Auditorium, Quadrangle, Basket Ball Court are available for cultural and sports activities and training programmes.
- Women's Development Cell, Grievance Redressal Cell, Career Guidance and Placement Cell - operate from their convenors' respective departments.
- Campus has large spaces for parking vehicles around the main gate, in the Basket Ball Court and in the Quadrangle.
- The Quadrangle and the many garden areas with the lawns, plants and shady trees create a beautiful and relaxing environment.

## **4.2 Library as a Learning Resource**

### **4.2.1 Does the library have an Advisory Committee? Specify the composition of such a committee. What significant initiatives have been implemented by the committee to render the library, student/user friendly?**

The Library has an Advisory Committee that is constituted at the beginning of the academic year. This committee consists of the Principal, the Librarian, a few teachers of whom one is the Library Committee Convener appointed by the BOM, and 3 student representatives. The Library Committee meets often to resolve issues related to the running of the Library.

The Library plans student activities for the year and its competitions are popular, with students participating in a variety of creative events and winning prizes. This helps project the Library as student friendly.

The Committee has made some significant initiatives: The bar coding of books is in progress. The Browsing Centre has addition of 4 computers donated by I.T. dept. The library now houses library books of the Civil Services Study Centre. John Wilson's works, some old minute books of the Society and college magazine 'The Wilsonian'



issues have been digitised. The software SLIM21 for library OPAC catalogues, has been upgraded. The OPAC catalogues are linked to the website and thus, they are available 24x7 for reference even off-campus.

#### **4.2.2 Provide details of the following:**

- **Total area of the library (in Sq. Mts.)**
- **Total seating capacity**
- **Working hours (on working days, on holidays, before examination days, during examination days, during vacation)**
- **Layout of the library (individual reading carrels, lounge area for browsing and for relaxed reading, IT zone for accessing e-resources)**

The total area of the library is 629.325 sq. meters (6774 sq. feet).

The total seating capacity in all sections of the library is approximately 280 Seats.

The Library is open to staff and students from 7.30 am to 6.00 pm on all working days, and including during vacations.

The Library layout includes Librarian's cabin, cubicles for assistant librarian and library clerks, lending areas, common reading areas, individual reading carrels, a mezzanine floor for girl students with reading area and carrels, and Annex for faculty. There is reference section area for general and relaxed reading, area for mini displays, and for displaying newspapers and periodicals.

A reprography facility was conveniently located at the entrance (till Oct 2016).

The Annex has a lunch room and a wash room for the library staff.

A computer with OPAC facility helps students to check library catalogues and Browsing Centre with four computers having internet connectivity is controlled by a hardware firewall. These areas are under CCTV surveillance.

#### **4.2.3 How does the library ensure purchase and use of current titles, prints and e-journals and other reading materials? Specify the amount spent on procuring new books, journals and e-resources during the last four years.**

Every year, budgetary provision is made for purchasing books for the Library. The Library Committee, at the beginning of the year, allocates amounts for each department for syllabus related books, and for periodicals, journals, and general books.

The Library receives catalogues from various publications and the teachers are informed and asked to shortlist relevant titles, which are then purchased by the Library from the yearly budget allotted. Additionally, the Library procures reference books that are recommended by the staff that are useful for research and reference work, as well as books for general reading.

Latest publications are received for approval from publishers. Short listed books are purchased after approval from the concerned departments and after the accession numbers given, these books are displayed for the information of all.

Purchase of textbooks and reference books mentioned in the syllabi is prioritised. Balance amount is spent on books for general reading. Sometimes, students report insufficient copies of books to the faculty, whereupon more copies are ordered. Old books are weeded out regularly.

Books are also donated by individuals, including alumni and retired staff.

Table below gives details of the number of books procured and their cost.

Library Holdings	2016-2017		2015-2016		2014-2015		2013-2014		2012-2013	
	No	Cost (Rs)	No	Cost (Rs)	No	Cost(Rs)	No	Cost (Rs)	No	Cost (Rs)
Text Books	80	19084	199	26778	161	25298	322	35871	272	29161
Reference Books	345	215170	222	140721	201	112140	249	238600	471	394998
Non-Book Materials		'---	----	----	----	-----	18	---	16	----
Bound Volumes	3	'---	33	----	50	-----	25	----	20	----
Gifts	374	'---	40	----	12	-----	10	----	39	----
Thesis	1	'---	9	----	2	-----	---	----	3	----
Magazines & News-papers	54	80663.00	56	83708	56	85648	55	64137	54	73900
Books added (non- BM)	277	----	505	----	430	----	610	----	810	----
Weeded out	----	----	44	----	----	----	164	----	145	----

#### **4.2.4 Provide details on the ICT and other tools deployed to provide maximum access to the library collection?**

- OPAC –Online Public Access Catalogues are available across all categories of books procured since 1967-68, as well as books in some old registers, on 4 computers in library. Book search can be made on author, title, accession number, etc.
- Electronic Resource Management package for e-journals - Access to e-journals is done through NLIST of INFLIBNET.
- Federated searching tools to search articles in multiple databases – The library provides federated search facility through the library software SLIM21. The library staff assists users in online searching of catalogues.
- Library Website- The College website displays Library details under the Facilities tab. The library books catalogues have been put on the college website.
- In-house /remote access to e-publications-The e-resources of about 2500 e-journals

can be accessed through INFLIBNET through dept level passwords.

- Library automation - The Library uses SLIM21 software, a multi- tasking, multi-user tool for information management, cataloguing, circulation data and usage. Bar coding of books which is underway, will facilitate efficient stock taking, book issue and shelving.
- Total number of computers for public access –There are 4 computers in the Library for staff and students to access during Library working hours and 4 computers in the Browsing Centre.
- Total numbers of printers for public access- NIL
- *Internet* band width/ speed - Airtel Broadband 4 Mbps, after 75 Gb 512 kbps
- Institutional Repository- The College Library is a repository of the volumes of the college magazine, The Wilsonian, Ph.D. theses, a collection of maps, audio/video CDs, and The Bible in Braille. It also stores university syllabi, college exams question papers and staff publications.
- Content management system for e-learning- NIL
- **Participation in Resource sharing networks /consortia (like Inffibnet):**

The Library subscribes to NLIST of INFLIBNET for access to e-learning resources.

#### 4.2.5 Provide details on the following items:

- **Average number of walk-ins:** The average number of walk-ins is depicted year-wise, in the table below:

Walk-ins in the Library						
Year	2016-17	2015-16	2014-15	2013-14	2012-13	2011-12
No. of Walk-ins	2997	2954	2878	5799	4191	2616

- **Average number of books issued/returned:** The number of books issued by the Library, in the last 5 academic years is listed in the table below:

Number of books issued/ returned						
Year	2016-17	2015-16	2014-15	2013-14	2012-13	2011-12
Student	828	660	873	1166	1514	2013
Staff	1197	1221	1460	1846	1744	1931
Total	2025	1881	2333	3012	3258	3944

- **Ratio of library books to students enrolled:** Given below is a tabulated form of the ratio of books in the library to the number of students enrolled in college in first year, second, third year.

YEAR	BOOKS	STUDENTS ENROLLED	RATIO OF BOOKS TO STUDENTS ENROLLED
2016-2017	81665	2710	1 : 30.1
2015-2016	80858	2423	1 : 33.37
2014-2015	80397	2205	1 : 36.46
2013-2014	79967	1887	1 : 42.38
2012-2013	79503	1834	1 : 43.35

- **Average number of books added during last three years:** Given below are the number of books added each year to the library collection:

Year	2016-17	2015-16	2014-15	2013-14	2012-13	2011-12
Books Added	807	505	430	610	810	560

- Average number of logins to OPAC : NA
- Average number of login to e-resources - NA
- Average number of e-resources downloaded /printed - NA

This data is not available since e-resources are available even off-campus through passwords.

- Number of information literacy trainings organized - NIL
- Details of “weeding out” of books and other materials:

Given below are the books weeded out in the last four years :

Library Holdings	2016-17	2015-16	2014-15	2013-14	2012-13	2011-12
Books weeded out	--	44	--	164	145	499

#### 4.2.6 Give details of the specialized services provided by the library :

**Manuscripts:** The Library has no manuscripts, but has books of antiquarian value.

**Reference:** The Library has a large reference section with a wide variety of books ranging from encyclopedias to bound volumes of magazines, and from religion to travel to biographies. These are kept on open shelves for easy access.

**Reprography:** A reprographic machine was kept in a separate cabin near the Library entrance for convenience (up to Oct 2016), which was managed by an attendant who was available during Library hours.

**ILL (Inter Library Loan Service):** The Library has an intra- loan facility, whereby books are loaned to the departments in the college. Separate issue cards for

Departments are maintained. By this, a larger number of books can be issued and are easily accessible to teachers and students in those departments.

**Information Deployment and Notification:** Newly purchased books are displayed prominently in the library. Individual teachers arrange for book displays for their subjects. When the Library receives books and book lists from publications, departments are informed and books are shortlisted and purchased. Departments are kept informed of new titles added year-wise to their subject collection.

**Book Bank Scheme :** Text books are made available on loan to students who cannot afford to purchase them. A simple procedure is in place to account for students who use this facility.

**Competitive Exams :** The Library has introduced a separate section for books related to competitive exams. The Civil Services Study Centre has a collection of books for competitive exams which is now a part of the college library.

**Printing :** Printing facility is available in the library, mostly for staff.

**Reading list/ Bibliography compilation :** The Library has a bibliography compilation of 'Mountain and Mountaineers.'

**In-house/remote access to e-resources :** The Library subscribes e-resources like NLIST- INFLIBNET to access e-books and e-journals.

**User Orientation and awareness :** During the Orientation Programme for new students, the Library conducts sessions to orient them with functions of the Library and the facilities available to them. Often individual teachers conduct sessions for second year and final year students to acquaint them with reference books and have reading sessions. Visitors and research scholars can access online catalogues, which are updated regularly.

**Assistance in searching Databases :** The Library staff provides assistance for online database search to new students.

**INFLIBNET / IUC facilities :** Are available in the Library and are used regularly.

#### **4.2.7 Enumerate on the support provided by the Library staff to the students and teachers of the college.**

The Staff carry out the following functions in the library.

- Make library cards and book entries in computer
- Search and issue books and reading material to staff and students and to ex-staff
- Provide assistance in searching for books on shelves and in the online database
- Put up displays of newly purchased books and catalogue them
- End of the year stock taking
- Follow up of outstanding books of teachers who are leaving college
- Follow up of returnable books, issuing fines
- Help students to search reference books for their curricula projects
- Ensure order and discipline in the library

- Allowing failed students to study in the Library
- Repair and binding of books and shelving of books
- Library is kept clean and well lit and ventilated.

**4.2.8 What are the special facilities offered by the library to the visually/physically challenged persons? Give details.**

The Library staff extends special attention and assistance to visually / physically challenged students in terms of searching books and other material. The Library has a collection of CDs, a magazine in Braille and a Braille Bible. This has been supplemented and enhanced by the Andrew's Vision Centre which has special facilities for needs of the visually challenged students.

**4.2.9 Does the library get the feedback from its users? If yes, how is it analyzed and used for improving the library services. (What strategies are deployed by the Library to collect feedback from users? How is the feedback analyzed and used for further improvement of the library services?)**

Suggestions of staff and students are forwarded to the Library Committee, these are discussed at Committee meetings, and implemented whenever feasible. A suggestion box is placed in a prominent place in the library. A feedback form is given to students to get detailed feedback on library services.

### **4.3 IT Infrastructure**

**4.3.1 Give details on the computing facility available (hardware and software) at the institution.**

- Number of computers with Configuration (provide actual number with exact configuration of each available system) - **Annexure on site visit.**
- Computer-student ratio
- Stand alone facility     311
- LAN facility                Yes
- WiFi facility                5 depts (Micro, Physics, Chemistry, Zoology, IT/CS )
- Licensed software        yes
- Number of nodes/ computers with Internet facility     306
- Any other

**4.3.2 Detail on the computer and internet facility made available to the faculty and students on the campus and off-campus?**

To aid administrative work in departments as well as for teaching, learning, research, co-curricular and extra-curricular activities, departments have been given computers with internet connectivity. Currently, there are total 311 computers, 39

Printers, 15 scanners/ All in Ones, 22 laptops, 18 LCD Projectors, & 306 Internet Nodes distributed through 1 LAN of hardware Firewall. (4.3.2)

- 3 computer labs in Saint Andrew's House were used by CS, IT, BMS and Mathematics departments till May 2016. The labs were used for online College Class tests till 2013-14. A multimedia lab in the new building is used by Economics, Microbiology and BMM departments for practicals. A few computers with internet and a printer are for staff in SA104, the Staff Alcove. The Coordinators' Alcove, SA007, has 10 computers with internet and 2 printers.
- In a major initiative, 3 state-of-the-art computer labs with capacities of 28, 71 and 72 latest 'tiffin' model Tiny computers with internet connectivity, 5 overhead LCD projectors, 3 All in One printers, 3 home theatres and CCTV cameras have been set up in the Centre for Self Financing Courses in St Andrew's House.
- Computer, printers and internet facilities are available in all the Science Departments, in Self Financing Courses of IT, BMM, BMS and a few Arts departments. Laptops and LCD projectors are also provided for ICT based teaching- learning in class rooms, student presentations and for teachers for curricular, co-curricular and extra-curricular activities.
- Departments can borrow laptops and LCD projectors which are available in the Principal's office.
- Five science Departments (Chemistry, Physics, Microbiology, Zoology and CS / IT ) have made arrangements for WIFI connectivity.
- Library has a Browsing Center comprising 4 computers with internet which are available to students and staff.
- The Audio Visual room is equipped with a laptop with internet and an overhead LCD projector for conducting guest lectures and to screen educational videos.
- DST-FIST lab has fifteen computers, four printers and three laptops with Internet for Teaching and Research. An e-learning centre, an extension of DST-FIST lab, is being set up with 4 computers, 3 Cybernetix units that convert a black board into a smart board, an e-podium and an overhead LCD projector.
- All College Offices, that of the Principal, NAAC Coordinator, Treasurer, Registrar, Librarian, the College Office, Accounts Office, Unaided Courses Office, Gymkhana Room, Examination Room, and the Hostel Wardens' Offices, have been provided with computers with internet facility and printers.
- The Andrew's Vision Center has 3 computers with internet facility and specialized software JAWS ( Job Access With Speech), Magic, Kurzweil, Talking-Typing Teacher Software, SARA(Scanning And Reading Appliances) which allow visually challenged students to navigate the computer, using audio clues.
- The Civil Services Center St Andrew's had 3 computers with internet connectivity.
- To monitor Bio-metric attendance and CCTV data, Principal's Computer, a dedicated computer in JWES office and in the IT Coordinator's office in St Andrew's House are being used.

- Off campus facility is available to staff and students through the College website, *official e-mail ids*, CAMPUSBY the College mobile app, official WhatsApp groups for NAAC and IQAC at college level and at department levels. The faculty has access to Inflibnet through department passwords. The library catalogs have been linked to the college website for off campus access in Feb 2017.

#### **4.3.3 What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?**

The College strategy is to have adequate IT Infrastructure for smooth conduct of academic and administrative functions. With this aim in view, deployment and up-gradation of IT facilities is planned. The college also actively encourages training of teaching and non-teaching staff by holding skill enhancing workshops, courses, as well as courses for students to acquire skills in emerging IT trends.

- Old Computers are replaced with latest configuration computers for smooth functioning of computer labs, office work and other College activities.
- Up-gradation of computers and associated facilities takes place from time to time as recommended / requested by the IQAC Committee, Heads of departments, Examination Committee, Research Committee and the Registrar of the College.
- The Examination Room has been provided with Computers with Internet connectivity and a printer. It has newly acquired a xerox machine and a digital cyclostyling machine.
- Library has SLIM21 software for library management with OPAC library catalogues linked to website for 24X7 access and barcoding of books is undertaken which will help manage book issue and stock taking.
- IQAC room has 3 computers and 1 laptop and 2 printers.
- A UPS and a hardware firewall have been installed in the Server Room for bandwidth monitoring and allocation, virus protection for the college network and spike guards have been used wherever required.
- In order to have uninterrupted connectivity, an Airnet 4 Mbps Leased Line with backup broadband connection and a Hathway 50 Mbps broadband connection for load balancing have been acquired.
- Good conditions old computers from computer labs have been used in the server room, Co-ordinators' Alcove and other places to augment IT facilities in the college.
- College has signed Academic Subscription License agreement with Microsoft and is in the process of acquiring base licenses. Use of Free OS like Linux and free software like Open Office / Libre Office was actively promoted in previous set up.
- Proposal for WiFi facility for the designated areas of the whole college, Library and the college hostels is in the process (March 2016).
- College website was overhauled and updated with detailed College features and information. During admission time, Admission forms, admission schedule, Merit Lists, orientation programme details are uploaded from time to time during



admission time. Important college notices are also put up.

- A college mobile app developed by CampusBy team is being deployed with features to monitor attendance, student clubs, campus market place etc.
- MasterSoft ERP software in college office is being incrementally implemented. Major Accounts data is computerised with regular back-ups.
- The BMM department uses the Multimedia Computer lab to conduct practicals.
- The BMM department has been provided specialized software for visually challenged students for curriculum studies.
- E-waste disposal has been a regular practice of the College to avoid the dumping of electronic waste and for proper recycling of e-waste which is being carried out with a tie-up with Stree Mukti Sanghatana.

**4.3.4 Provide details on the provision made in the annual budget for procurement, up-gradation, deployment and maintenance of the computers and their accessories in the institution**

*(Year-wise for last four years)*

Equip, Furniture, Computers	2016-17	2015-16	2014-15	2013-14	2012-13	2011-12
Aided	3,65,000	4,50,000	3,00,000	2,50,000	3,10,000	3,00,000
unaided	55,00,000	5,00,000	2,00,000	--	1,10,000	--
Total	58,65,000	9,50,000	5,00,000	2,50,000	4,20,000	3,00,000

**4.3.5 How does the institution facilitate extensive use of ICT resources including development and use of computer-aided teaching/ learning materials by its staff and students?**

- Laptops and LCD projectors are provided to many Depts. to take ICT to the classrooms. There are 3 LCD projectors in IT classrooms in St Andrew's House, in addition to 5 LCD projectors in 3 computer labs. This facility will be extended to other classrooms.
- Mathematics, BMS, BMM, Economics, Microbiology departments have access to computer labs for practicals in computer related papers. Hindi, Chemistry Depts. have access to computer labs for learning Internet surfing or Excel. Physics department used IT computer lab for a 3-day workshop on Excel of SYBSc students of Computational Physics.
- Physics Depts. have their own computers with many Open Source software used by faculty. Micro and Biotech depts. have their own computers for research and administrative purposes.
- DST FIST lab has 15 computers for research work and an E-Learning Centre is being developed with Ciberetix equipment which helps develop teaching modules and record lectures.

- Training was organized for teaching and non teaching staff on cyber security, on use of Cybernetix, college mobile app, Vriddhi and MasterSoft ERP Softwares, handling of reprography machine and digital cyclostyling machine in the Exam Room.
- Teaching faculty of all departments as well as some non-teaching staff have been given e-mail ids like 'firstname.surname@wilsoncollege.edu'. IT and CS teachers have been sent for MOODLE workshops organized by the university.
- Courses are being conducted for advanced learners in Computer labs on Information Security (2013-14, 2014-15), SAP-ABAP (2015-16), and MS-Excel (2015-16). Information Security and Cloud Computing (2016-17). Microsoft global certification in C# & ASP.Net (2016-17).
- A six day certificate course was organized for teachers on advanced features of MS-Excel (2015-16).
- The Browsing Centre in the Library with 4 computers with internet access is available to teachers and students for ICT related work.
- Many Arts departments and BMM Department Screen syllabi related films and videos in AV room, Mini AV Room and Conference room. IT computer labs have LCD projectors and home theatres for showing educational videos.
- Departmental computers are used for creating teaching learning material, surfing the Net for reference work, setting Question papers, for routine administration work, demos of software to the students and for networking with the University regarding Exam / CAP work.
- Computer Labs are being used on Sundays to hold online exams like entrance exams of reputed educational institutions or recruitment exams of industry majors.

**4.3.6 *Elaborate giving suitable examples on how the learning activities and technologies deployed (access to on-line teaching learning resources, independent learning, ICT enabled classrooms / learning spaces etc.) by the institution place the student at the centre of teaching-learning process and render the role of a facilitator for the teacher.***

ICT enabled teaching is taken to class rooms by providing many departments with laptops and LCD projectors. ICT enabled spaces – AV room, mini AV room, Conference room and 3 IT class rooms in St Andrew's House are set up..

- Various teaching aids are used by Teachers to make teaching learning interactive : internet (YouTube videos, films, websites, eBooks), Teaching material (PPTs or study notes) prepared by teachers which allow the different types of learners to learn at their own pace. Class-wise WhatsApp groups help connect teachers and students to share notes and send notices.
- ICT based teaching in class rooms helps to explain key concepts.
- Software commands are better understood in classroom with ICT tools which enables students to perform better in their practicals.
- Students make use of online learning resources in their co-curricular /extra-curricular

activities like presentations at the department, college and inter-college level activities.

**4.3.7 Does the Institution avail of the National Knowledge Network connectivity directly or through the affiliating university? If so, what are the services availed of?**

Yes, National Knowledge Network connected through Inflibnet.

**4.4 Maintenance of Campus Facilities**

**4.4.1 How does the institution ensure optimal allocation and utilization of the available financial resources for maintenance and upkeep of the following facilities (substantiate your statements by providing details of budget allocated during last four years)**

		2016-17	2015-16	2014-15	2013-14	2012-13	2011-12
a.	Building	26,00,000	79,00,000	2,22,00,000	1,17,00,000	1,13,00,000	62,00,000
b.	Maintenance of Furniture & Equipment	29,00,000	16,00,000	11,25,000	19,90,000	35,00,000	24,50,000
c.	Vehicles	--	--	--	--	--	15,00,000
d.	Any other (Maintenance of College campus & other facilities)	25,50,000	6,00,000	6,80,000	3,20,000	4,50,000	16,50,000

- College budget has provision for maintenance and upkeep of building, furniture, equipment, computers and other facilities.
- AMCs for maintenance of services. Additionally, Insurance, Housekeeping and pest control services are in place.
- Building repairs and maintenance is done on regular basis.
- Provisions are made on need basis of up-gradation or incremental growth of facilities.

**4.4.2 What are the institutional mechanisms for maintenance and upkeep of the infrastructure, facilities and equipment of the college?**

The Principal's Office, Registrar, Dean of students, Dean of women students, Purchase Committee, Hostel wardens help in maintenance and upkeep of infrastructural facilities.

- AMCs are given for EPABX, CCTV's, AC's, Water purifiers, Computers, Specialized Lab Instruments and Lift.
- Minor Repairs and Maintenance of Lab Equipment done by Lab Assistants.
- Housekeeping agency is appointed for cleanliness of classrooms and washrooms.

HODs monitor cleanliness in their departments and in their labs.

- Gardeners maintain plant biodiversity in garden areas and a designated non-teaching staff sweeps open spaces in the campus.
- Ice making machines have been provided under DST-FIST grant to Chemistry and Microbiology Departments for smooth conduct of regular practicals.
- Stock taking is done in Library at the end of each academic year.
- Stock taking by lab attendants at the end of year or at the beginning of academic year to keep ready the labs for the next academic year.
- Teachers, Lab Assistants, Lab attendants and students report if instruments are in optimum working conditions, bring it to the notice of the HOD for corrective action.
- Lab assistants and lab attendants are sent for maintenance workshops conducted at various colleges.
- Registers are maintained in the Principal's Office for repairs, for civil work and for computer complaints.
- Pest control measures are undertaken in library, computer and other labs periodically.
- Civil work periodically taken up authorised by the Principal.
- Computer problems are attended to by in-house hardware engineers on a daily basis. Non-teaching staff in IT are trained to connect computer parts, and proper shut down of computers.

**4.4.3 *How and with what frequency does the institute take up calibration and other precision measures for the equipment/ instruments?***

- At the beginning of the academic year and before the semester practical exams overview of equipment is taken regarding their sufficiency and functioning. New equipment is requisitioned to replace non-functioning, obsolete or under-performing ones, to ensure optimal lab performance.
- Specialised equipment is monitored for optimal performance by technicians with AMC contract.
- Lab equipment is checked at the beginning of the academic year and Computers in labs are made ready at the beginning for academic year for change of software in syllabus or higher version of software or additional software required.
- Computers in labs are made ready before the semester exams by deleting the term work on the computers, and re-installing the requisite software for optimal performance.

**4.4.4 What are the major steps taken for location, upkeep and maintenance of sensitive equipment (voltage fluctuations, constant supply of water etc.)?**

- ENCBs control power fluctuations in computer labs. Lab assistants and attendants are trained to observe power fluctuations (very rare in metro city) and shut down the computers so that electronics equipment is not damaged.
- In Aug, 2016, UPS is installed in the Computer Server Room. Spike guards are used wherever required.
- ACs are installed in all computer labs, micro & biotech labs and in DST-FIST lab for temperature control to ensure longevity of equipment.
- Pest control measures are undertaken in library and in computer labs periodically.
- A new bigger 4'' water pipeline replaced old pipeline to get BMC water which gets stored in overhead storage tanks. During periods of water shortage, tanker water is ordered for conduct of practical exams or for regular use.
- Fire extinguishers are installed at major installations and labs and their expiry date is monitored.
- Proper storage facility is provided for storage of sensitive equipment.
- From 2016-17, positions of Systems Administrator and Lab-in-Charge have been created for deployment and upkeep of computers, networks and internet facilities in computer labs and in the college for academic and administrative purposes.

***Any other relevant information regarding Infrastructure and Learning Resources which the college would like to include.***

- College website was upgraded to give comprehensive information about facilities, procedures, departments and events. It is being updated periodically. The registrations for the Alumni Meet dated 4<sup>th</sup> March, 2017 were through college website.
- Library software SLIM 21 has been upgraded for better services.
- College class tests were conducted on-line in computer labs till 2014-15.
- Spectrophotometer for undergraduate and post graduate practicals and microwave have been donated to the Chemistry dept by the Chemistry department alumni (batch 1976).
- WIFI facility is planning to be provided in the campus and in the hostels.
- Bank of Baroda ATM: Till May 2016, the ATM facing the road, was available and was easily accessible to staff, students, hostel residents and to public.
- MKCL data has been incorporated in the college ERP software.
- ICT is being used to do all exam related work including downloading university exam papers, practical slips, and uploading TY marks on university portal.
- CS Department downloaded password protected University practicals question paper

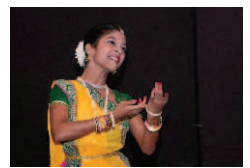
slips mailed to the Coordinator on the day of the exam by the University.

- On-line assessment of IT Sem 5 answer papers in Jan 2016 in computer labs using some specialized assessment software provided by Mumbai University.
- TY B Sc IT internal, practical and project viva marks were being uploaded by the IT dept teachers on the university portal for the 3 years till 2014-15. Now, these marks have to be uploaded for all subjects.
- TAQ feedback analysis and attendance defaulters lists are prepared using departmental computers.



# CRITERION 5

## STUDENT SUPPORT AND PROGRESSION



## **CRITERIA V - STUDENT SUPPORT AND PROGRESSION**

### **Committee Members**

Ms. Shehernaz Nalwalla, IQAC & NAAC Coordinator

Mr. S. Solomonraj and Ms. V. Bhonsle (Co-Convenors)

Dr. M. Uchil

Mr. S. Kavarana

Mr. U. Patil

Mr. P. Shetti

Dr. A. Chris

Ms. N. Koshy

Mr. M. Sadiq

Ms. K. Thumma



## CRITERION V: STUDENT SUPPORT AND PROGRESSION

### 5.1 Student Mentoring and Support

#### 5.1.1 *Does the institution publish its updated prospectus/handbook annually? If 'yes', what is the information provided to students through these documents and how does the institution ensure its commitment and accountability?*

Yes. The institution has different prospectus for aided and self-financing courses that are updated as required each year. Each of the self-financing courses has a separate prospectus.

The prospectus carry pertinent information about the institution, and are categorized as Follows:

- Features of the Institution: This section provides information about the features of the institution and various support bodies like:
  - The Chapel
  - The Gymkhana
  - The Hostels
  - The Library
  - The Wilsonian (College Magazine)
  - The Counseling Centre
  - The Nature Club
  - The Career Guidance & Placement Cell
  - The Student Council
  - The Co-operative Education Programme
  - The National Service Scheme
  - The Civil Services Study Centre
  - Andrew's Vision Centre
  - The Women's Development Cell
  - The Canteen
  - List of Teaching Faculty, Vice Principals, the Registrar.
  - Courses offered along with course specific subject combinations.
  - Details of the Rules related to:
    - Admissions and Attendance along with the University Ordinances
    - Examination Rules
    - Discipline and Anti ragging Ordinance

- General Rules and Regulations for students

Each self –financing course prospectus offers additional course specific details.

The Institution ensures its commitment and accountability by forming committees at the beginning of the academic year, which are appointed by the Staff Council and the Board of Management. These committees are listed and displayed for the information of staff and students.

**5.1.2 Specify the type, number and amount of institutional scholarships / free ships given to the students during the last four years and whether the financial aid was available and disbursed on time?**

The College has a structured system in place to disburse scholarships/ freeships to the students. Financial aid is disbursed to students on time.

- Institutional Prizes given to students, fall in two categories-  
Merit prizes and scholarships  
Need-based scholarships
- Both these types of scholarships have been endowed by well-wishers who are alumni and ex-faculty. In the year 2015-16, the Management decided to uniformly enhance the disbursement amount, as some of the merit scholarships were endowed over a 100 years ago, and so the amount received by the students from the interest, was meager.
- The Mutual Aid Fund which is funded by a part of the fees that students pay, also gives financial support to needy students.
- The Students Welfare Fund scheme is an institutional fund started by the management to help economically needy students.
- Teachers across departments provide financial help for admission and exam fees, books and excursion charges on a regular basis but prefer to remain anonymous.
- Provision is made for students to pay their college fees in installments.
- Christian Scholarships: These scholarships are given to the meritorious Christian students from the voluntary contributions given annually by the Christian staff.

Year	Institutional Scholarships		Students' Mutual Aid Fund	Students Welfare Scholarships	Christian Scholarships	From Others
	Merit Prizes	Need Based				
2016-17	1,42,100 97	53,000 13	49500 21	81800 22	45500 89	Data to be received

<b>2015-16</b>	1,17,100 100	54000 12	29000 21	77050 27	41000 81	107500
<b>2014-15</b>	91875 100	52800 11	76500 27	76800 37	43000 81	47700
<b>2013-14</b>	93875 100	55200 12	62500 31	87150 42	39000 77	51200
<b>2012-13</b>	93875 100	54600 16	28500 29	75680 15	52300 77	24500
<b>2011-12</b>	93875 100	53400 8	45000 39	72650 31	51800 77	103500

**5.1.3 What percentage of students receives financial assistance from state government, central government and other national agencies?**

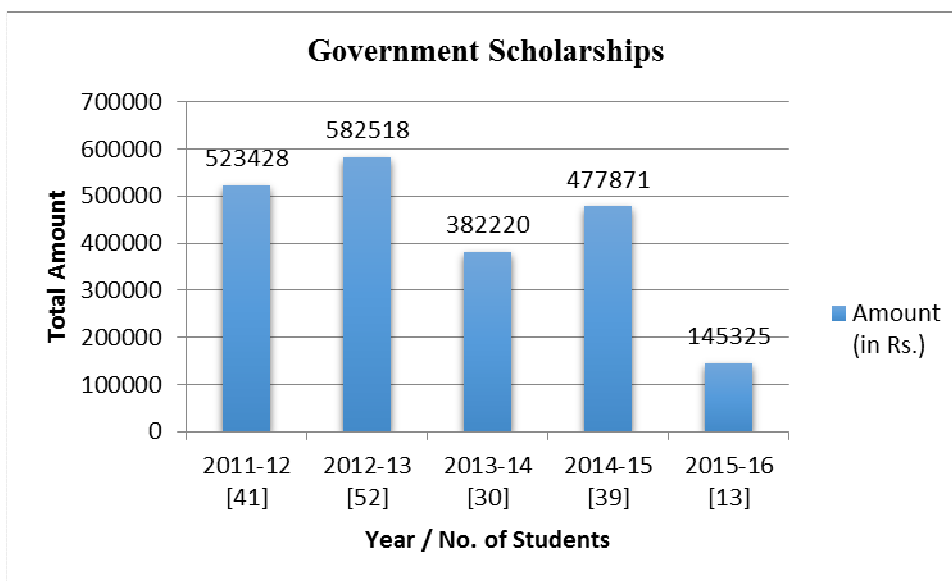
Every year students are informed about various free ships, scholarship, of the government for SC/ST/OBC/SBC/VJNT students as per the Social Welfare Office, Govt. of Maharashtra notification. Students from minority communities are informed about minority scholarships as per Higher Education Department of Maharashtra State Directives and about EBC scholarships, as per the instructions of the Joint Director Higher Education, Mumbai.

This Financial Assistance is provided as per the relevant stipulations. The college fees for the categories enlisted below are as per government norms:

- a) SC/ST and OBC
- b) Economically weaker sections

Scholarships	SC		OBC		VJNT		SBC		TOTAL	
	Students	Amount	Students	Amount	Students	Amount	Students	Amount	Students	Amount
<b>2016-17</b>	25	*	09	*	02	*	00	*	36	*
<b>2015-16</b>	13	145325	0	0	0	0	0	0	13	145325
<b>2014-15</b>	28	375366	6	73160	5	29345	0	0	39	477871
<b>2013-14</b>	17	249127	10	89225	3	31417	0	12451	30	382220
<b>2012-13</b>	31	412319	16	116004	4	43314	1	10881	52	582518
<b>2011-12</b>	24	337045	9	86647	7	85611	1	14125	41	523428

\*Funds yet to be received



Administrative work related to these freeships and scholarships is handled by the College general office and accounts office.

#### 5.1.4 *What are the specific support services / facilities available for Students from SC/ST, OBC and EWS*

Students from the SC/ST and OBC category avail of the fee concessions as per the university rules. Technical and administrative assistance is provided to them to avail of Government (of India and State) scholarships.

Students belonging to economically weaker section are allowed to pay their fees in installments. Mutual Aid Fund and Students' Welfare Fund schemes are in place to provide financial support to the needy. Many teachers informally, offer financial support to the needy students to pay fees, pay for the excursions, for hostel fees and as and when the need arises. Under Book Bank facility needy students are given textbooks for a year. Hostels give fee concessions for the students who cannot pay the hostel charges.

Institution also helps needy learners to apply for funds to others trusts, to alumni.

#### ***Students with Physical Disabilities***

- AVC caters to the special needs of the visually challenged learners. **Annexure on site visit**
- From the year 2013-14, Economics Department with the help of learners prepares teaching aids for the visually challenged. Diagrams in Economics and mathematical expressions are prepared using threads of different thickness and maps are made user friendly by making the outlines perforated with a sharp instrument that can be felt by the student.
- Theory question papers are modified for the convenience of visually challenged students, in some subjects e.g. Communication Skills in English.

- Writers are allowed for theory exams for visually challenged students, or accident victims and people with learning disabilities, as per university rules.
- A talk on Identifying Dyslexia and Coping was given by Massarat Khan from the Maharashtra Dyslexia Association on 23<sup>rd</sup> September 2013.
- Dyslexic students are given more time to complete writing their theory examinations as per university provisions.
- As per university circular, dyslexic and visually challenged students can drop a compulsory language, and instead opt for a fourth optional subject at FYBA.
- We have so far not had orthopedically challenged students, but when students with physical disabilities have Wilson College as a center for University examinations, they are allowed to appear for their papers on the ground floor. Ramps are provided for wheel-chairs.
- Learners with disability are encouraged and supported to take part in all college activities.
- Grace marks rules as applicable in each category, are strictly adhered to.
- There is a special scholarship (Sathia Daniel) for the visually challenged.

#### ***Overseas students***

- Overseas students are given extra administrative help and guidance by the College office.
- Hostel facilities are made available to them, on a priority basis.
- As per university circular, students who have not studied Hindi or Marathi can drop a compulsory language, and instead opt for a fourth optional subject at FYBA.
- Mentoring and staff support is given for all such learners.
- In some years, a special orientation programme is carried out especially for outstation students. A walk around the neighbourhood acquainted students with the location of important services like hospitals, police station, affordable eateries etc.

#### ***Students to participate in various competitions / National and International***

- The institution provides financial support to students, in special cases, for participation in national and international competitions through the Gymkhana.
- Sports persons are given allowances for travel and daily allowance.
- Active training and coaching is provided for various sports activities like, boxing, cricket, football, basketball, kabaddi and badminton.
- Teachers provide guidance, informally, for learners taking part in academic activities, like quiz, paper-reading etc. Learners are informed about these events through notice boards, through department heads and staff and on whatsapp groups.
- As per University statutes, learners are allowed to appear for the additional examination in case they are representing institution in inter-collegiate, zonal, state-level, national or inter-national events, which are recognized by the university.

- Their absence/ shortfall in attendance is condoned, as per University rules.

***Medical assistance to students: Health Center, Health Insurance etc.***

- The institution has Group Insurance Policy (Yuva Raksha) for accident cover, for all students enrolled of in college.
- There are many state-of-the-art hospitals and pathology labs in the vicinity. As a part of the orientation programme for the outstation students, contact numbers of these hospitals and labs are given to them and also displayed at various places.
- First-aid facilities are available in some departments, eg, Chemistry Laboratories, BMM department, Gymkhana and other strategic places.
- A first aid workshop was conducted by Mr. Anish Menon for students in 2013-14.
- Sessions on personal hygiene, menstruation and other related issues by WDC are routinely conducted.
- Free Thalassaemia checkup camps are organized annually for final year students by Zoology department and the NSS unit. Hepatitis camps have also been held.
- Wockhardt conducted a workshop on stress management for learners.
- The Counseling Centre that helps with the emotional and mental health of students: individual attention is given to students, as and when the need arises; also sessions are organized with different student groups, in association with the departments on a regular basis.
- Emotional help is also provided by the mentors under the provision of mentoring system.
- Teachers also provide counseling to the students.

***Coaching classes for competitive examinations***

The College does not have a formal training program for competitive exams. However,

- The institution has a Civil Services Study Centre, where special academic material is provided. It has a well-stocked library, with more than 600 books on relevant subjects. Some Departments like Chemistry, Microbiology and Zoology also make available, books needed by aspiring UPSC and MPSC students. A study room was also available to the students at this center. Till the year 2015-16, this center was housed in the St. Andrews Hostel. Now, the books are placed in the main library of the College.
- Departments like Chemistry, and Microbiology, provide guidance to students for competitive exams like NET, SET and GATE. A workshop was organized for students on how to prepare the NET/ SET / GATE in Chemistry, from September 26 to 28, 2016. 153 post-graduate students and teachers from 30 colleges all over Maharashtra participated. Students are informed about dates of the competitive exams well in advance, by department notices and social media.

- Students who wish to appear for GRE and TOEFL are given academic help as requested by them.

***Skill development (spoken English, computer literacy, etc.,) (on site visit)***

- Computer literacy certificate courses were held in the college in the year 2016
- CEP organizes sessions in training for various soft skills and other essential skills like leadership, team building, motivation, self- defence and more.
- Public speaking workshop was conducted for Student Council members.
- A Communication skills and soft skills workshops were conducted for NSS volunteers, in the years 2013-16. In the year 2016, three levels of sessions of the above type of workshops were held, with internal as well as external resource persons.

***Support for slow learners***

The college has no formal mechanism for identifying slow learners. However, the academically weaker students are given extra coaching, by all departments. Support academic material and extra lectures are engaged by the Marathi Department, beyond the regular lectures. Students with learning disabilities get the benefit of grace marks and having a writer as per university guidelines.

***Exposure of students to other institutions of higher learning/ Corporate / Business house etc.***

- **Institutions of Higher Learning**

Students are encouraged to attend lectures and sessions at various institutes of repute MDAE, BSE and research institutes like TIFR, BARC, university departments, Asiatic Society of Mumbai, K.R.Cama Oriental Institute, labs like Forensic Sciences at Kalina, Mumbai. They are also exposed to the Radio station at the Radio station at Mumbai University, Kalina.

- **Industrial Visits/Excursions/Field Trips**

Industrial visits and field visits are organized by many departments. As part of these industrial visits, students get the opportunity to interact with people involved in various social, political, industrial, research and media related activities. Excursions are regularly organized by departments and other different forums like certificate courses, the CEP, Nature Club, etc. Visit to places of religious interests forms an integral part of the study of the applied component paper Comparative Religions.

- **Guest Lectures**

Departments, societies and different forums routinely invite experts from academia, industry and also well-placed alumni from academia, industry, civil services, police, defence services, the corporate world as resource persons and professionals to conduct lectures and workshops and for interactions with students, and to orient them about the world of work.

- **Internship**

Several departments, and as a part of the CEP and the ESEP training, students are sent for internships to corporate offices, industries, research institutions, etc, for real-life exposure to these fields of work. Often students also intern with NGOs.

***Publication of student magazines***

- The college magazine The Wilsonian has an uninterrupted publication since 1909. It is a fine record of college activities as well as showcases the literary skills of the students. Some students are on the editorial board. which has contributions from the students..
- The Nature Club published a magazine called ‘Footprint’ till 2013.
- BMM yearbook is published since 2009-10 except for the year 2013-14.
- Sandy Vision was published by St. Andrews House, in the years 2015-16.
- The Chronicles: A New Chapter, the updated Andrews Chronicles, was published by the boys hostel St. Andrews House, in the year 2015-16.
- BMS department published ‘Pulse’ in the year 2011-12.
- CEP newsletter was published in August 2012 which is a compilation of articles about the students’ experiences during the CEP.
- Marathi and Hindi departments have their own wall papers called Shalaka and Muktanchal respectively that feature students’ articles, poems, and other creative expressions.

***5.1.5 Describe the efforts made by the institution to facilitate entrepreneurial skills among the students and the impact of the efforts.***

- In the year 2012-13, a hosteller was permitted to manage the St. Andrews Hostel mess.
- The Botany department holds flower-arrangement competitions and also encourages its students to produce commercial level food products like jams, jellies, squashes, pickles etc.
- BMS, BMM, CEP and ESEP organize lectures on start-ups, entrepreneurships and self-managed businesses, students get opportunities to interacted with entrepreneurs.
- Intra-and inter-collegiate festivals are used as training grounds for the students to develop leadership qualities, learn importance of team work, and get basic experience in planning events. Students also learn how to raise and allocate funds.

***5.1.6 Enumerate the policies and strategies of the institution which promote participation of students in extra-curricular and co-curricular activities such as sports, games, Quiz competitions, debate and discussions, cultural activities no data available etc.***

***Sports and Games***



- The College has a Gymkhana Committee, Cultural Centre, and a Debate & Literary Society, each with a convener called the Staff Advisor.
- In addition to Vice-President and Gymkhana committee, the College has appointed a sports consultant and separate sports coaches for different sports. There is regular training and coaching for sports. The Annual sports day is an important event in the college. Participants are sent for tournaments conducted by the University, Govt. of Maharashtra.
- Sports scholarships are awarded to the winners and management provides financial support for the needy sportsmen/ women.
- Several departments like Microbiology (Biomosaic), BMM (Polaris), BMS (Adorea), conduct very popular, intercollegiate fests, on their own, annually. The chemistry department conducted an intercollegiate competition called Chem-Galaxy in the year 21011-12. The Festival of Peace and Environment EC3 also have academic, sports and ciultural components.
- Students are encouraged to take part in intra-collegiate as well as inter-collegiate, and inter-university, state, and National levels co-curricular and extra-curricular events, competitions in sports, cultural and literary events.
- Many departments make special efforts to guide students to take part in inter-collegiate competition like poster presentation. Announcements in this regard, are made regularly in classrooms and through posters.
- Departments like English and BMM organize workshops on theatre and dance. Space, infrastructure and equipment of the college are made available for practice sessions.
- Notices about activities in other colleges, which invite student participation, are circulated.
- Hindi department provides guidance for participants of inter-collegiate script writing and drama competition.

***Additional Academic Support, Flexibility in Examinations.***

Students who represent the college in sports, cultural, co-curricular and extra-curricular activities of University-recognized organizations, are allowed to appear for additional examinations as per University norms. They are given alternate dates for submissions of projects, assignment; they are encouraged and full co-operation is extended to such students.

***Special Dietary Requirements, Sports Uniform and Materials***

- The Gymkhana provides practice equipment, daily allowance for sportsperson for practice matches and on the days of the actual events.
- Sportsmen are also given the college colors (kits) free of cost.
- Their coaches advise them about their special dietary requirements as per their sport.
- Boxers are provided with special diet.

**Any Other**

- Blazers are given to all members of the Student Council.
- Special sports prizes and scholarships are given as incentives for excellence.

**5.1.7 Enumerating on the support and guidance provided to the students in preparing for the competitive exams, give details on the number of students appeared and qualified in various competitive exams such as UGC-CSIR-NET, UGC-NET, SLET, GATE/CAT/GRE/TOEFL/GMAT/ Central / State services, Defense, Civil Services, etc.**

Departments encourage and help train students appearing for the competitive exams. Certain departments conduct sessions and provide active support to the students.

**Support provided**

Some of the efforts made by the departments are elaborated below:

- The Chemistry department held a 3-day training workshop for UGC CSIR-NET/SET workshop for post-graduate students and teachers of Maharashtra.
- Every year the Physics department through the NGPE (National Graduate Physics Examination) center carries out supportive activities for students appearing for competitive exams. About 20 students benefit annually.

Some students from the college have qualified in the some of the above-mentioned exams, but complete data is not available as all the students do not remain in touch with the college also sometimes students relocate to other places or appear for the exams after a gap of few years. Hence, it is difficult to provide complete numerical details about how many students regularly appear for competitive exams.

Some of the students who have cleared are:

- i. Kaushik Mestry and Pranali Chiplunkar, alumni of the Chemistry Department have cleared the SET and GATE in years 2017 and 2014-15 respectively.
- ii. Kshitij Naikhade of the 2014 batch of Political Science department has cleared SET.
- iii. Khushboo Varma and Bhavesh Salunkhe of Economics department cleared NET in the years 2012 and 2013 respectively and are recipients of JRF scholarship. They are pursuing their PhD degrees at the Department of Economics, University of Mumbai.

Civil Services Studies Centre provides resource support to the learners, of the institution and outside, aspiring to join civil services.

**5.1.8 What type of counseling services are made available to the students? (academic, personal, career, psycho-social etc.)**

The College employs a full-time in-house Counselor where academic, personal, career, pycho-social counseling relating to relationship issues, abuse, and self-esteem. General counseling like time-management, goal-setting, personality development, self-motivation, dealing with examination stress, etc topics are

covered for student groups.

### **Counseling Centre Activities**

At the Counseling Centre, wide array of problems are tackled through one on one counseling sessions. The types of problems addressed include:

- **Adjustment:** These include adjustment with family/peers/friends, conflicting relations/ love relations etc.
- **Academic:** These include inappropriate study techniques, language inadequacies, difficulty in time management, difficulty in balancing between academic and personal or extra-curricular activities, poor performance due to low motivation, self-esteem etc.
- **Behavioural :** aggressive behaviour, barriers in communication due to shyness/low confidence, difficulty in socialising, etc.
- **Psychological :\*\*** – exam phobia, mild emotional disturbance, excessive anxiety, onset of depression, onset of addiction, etc.

\*\* Note: - If through counseling sessions it gets reflected that the psychological issues are of severe nature or are likely to get aggravated, then the student is advised to go in for psychiatric consultation. Parents are often called to explain the nature of the psycho- social- academic problem.

**Career Counseling** – These include information about various courses, basic eligibility needed, fee structure, scope after various subject specialisations, etc.

### **Developmental Sessions**

Besides individual sessions, various groups sessions are conducted through counselling centre for developmental purposes. These sessions are conducted using various methods/techniques. The details of such sessions are as below:

- **Sessions conducted for Improving/Enhancing Efficiency** – These sessions include areas like Time Management, Self-Motivation etc. These sessions are conducted by explaining certain models which may be followed for scheduling the activities and managing the time. The method is discussions. The techniques used for such sessions are power-point presentation along with some suitable videos.
- **Sessions for Future/Career Planning** – Under this category the sessions covered are Goal Setting, Planning for Career etc. These sessions are interactive and the technique used is power point presentations. To highlight the importance of setting the goals, certain video clippings are used.
- **Sessions for Developing certain Skills / Personality** – In this category the sessions include the areas like Adjustment and Stress Management, Managing Conflicts and Stress Management, Raising the Resilience, Self Awareness- Intrapersonal and Interpersonal Skills, Managing Exam Stress, Communication Skills, Leadership Skills etc. The method used for some of the above mentioned sessions is interactive. In certain sessions along with discussion; Role Plays are also used. Some of the sessions are also supported with certain appropriate videos.

- **Sessions of Public Interest** – These sessions usually would include the areas which are likely to be of concern for wider public. Under this head the sessions conducted were focusing on:
- Career guidance session covering information of multiple career options which may be pursued through different streams of specialization.
- Forming new relations / love relations through personal interactions and/or through social sites.
- An awareness session about scholarship programme for youth through internship with NGOs.

Out of the above mentioned sessions, the sessions listed under first three heads are conducted by in-house speaker and the sessions listed at the last head were conducted by Guest Speakers.

**Year wise, number of students going in for individual counseling**

Year	2016-17	2015-16	2014-15	2013-14	2012-13	2011-12
<b>Total</b>	<b>37</b>	<b>81</b>	<b>69</b>	<b>72</b>	<b>55</b>	<b>54</b>

**Year wise, number of students going in for group counseling**

Year	No. of Sessions	No. of Students
<b>2016-17</b>	<b>9</b>	<b>251</b>
<b>2015-16</b>	<b>18</b>	<b>835</b>
<b>2014-15</b>	<b>11</b>	<b>307</b>
<b>2013-14</b>	<b>15</b>	<b>245</b>
<b>2012-13</b>	<b>09</b>	<b>445</b>
<b>2011-12</b>	<b>32</b>	<b>686</b>
<b>Total of students benefitted</b>		<b>2769</b>

In addition, the institution has a student-mentoring programme for all under-graduate learners. Most departments organize career talks and career-counseling sessions for students as well as soft skills workshops on how to face interviews and write CVs etc.

**5.1.9 Does the institution have a structured mechanism for career guidance and placement of its students? If 'yes', detail on the services provided to help students identify job opportunities and prepare themselves for interview and the percentage of students selected during campus interviews by different employers. (list the employers and the programmes).**

- Career Guidance and Placement Committee has a teacher-in-charge and a team of teacher in the committee. The cell makes efforts to find information about job

opportunities and informs students about the same.

- The Career Guidance and Placement Committee helps students with guidance on career options and placements. The committee strives to guide the students along a career path of their choice. Although the main focus of the guidance sessions are the graduating and post-graduating students; the first and second year students are also encouraged to apprise themselves of the career opportunities.
- Professional experts, the alumni interact with students to give them insight into various career options.
- Entrepreneurs share their ideas and interact with the students interested in start-ups. Students are encouraged to participate and work as volunteers at the British Council Education fairs and other events. Counselor regularly conducts sessions on time and stress management for the third year students. Students are informed about the scholarships available for higher education. Piramal Foundation, Jamboree, Kaplan Certified Education Partner, Ace Overseas Education, Kotak Urja, Oberoi Centre of Learning and Development, Ventures' Travels are some of the organisations that have conducted careers related sessions.
- Torrent Pharma, Equinox Labs, Wipro, Tech Mahindra, Jet Airways, Infosys, Thomas Cook, Times of India Group, Kotak Securities, AOL India, British Council have offered placements to the students through campus placement initiative.
- Organisations like Grey Cells, GC Chemie Pharmie Ltd, Dialhealth, Morgan Stanley, India Forex, Oberoi Group of Hotels, Network 18, Barclays Finance, ICICI Bank, Vivanta Taj have provided internships to the students through the cell.

Academic Year	On Campus			Off Campus
	Number of Organisations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
2016-17**	15	180 (Appro)	24 selected*	Placements Under Process
2015-16	10	200	109	30
2014-15	13	150	70	40
2013-14	11	127	38	62
2012-13	17	90	27	54
2011-12	15	102	47	60

\* Data incomplete \*\* Figures tentative

Departments like Microbiology, Biotechnology, Chemistry, BMM and BMS annually hold career guidance sessions for its TY and MSc students involving at least ten prospective employer-institutions each like Infosys, WIPRO, L&T, Capgemini, Igate-Patni. Teachers also informally help students with career options

and career related issues. CEP and ESEP also provides internships to the participants in various organisations like NGOs, Mumbai Police, Mantralaya, University Radio station, ABP news, Museums, Research institutes like TIFR, Nehru Science Centre and more.

Many departments like Chemistry, IT, Computer Science, BMM, BMS, organize career- related talks and career guidance sessions and talks on 'How to write your Curriculum Vitae', 'How to face Interviews'.

**5.1.10 Does the institution have a student grievance redressal cell? If yes, list (if any) the grievances reported and redressed during the last four years.**

The student's grievance cell consisting of three teachers is appointed every year. It looks into the complaints and suggestions made by the students. A 'grievance-box' is available for students in the college-office. Mostly infrastructure related complaints have been registered; and these grievances / suggestions were forwarded to the concerned authorities and remedial steps were taken to the satisfaction of students.

Student grievances are also handled by the Internal Complaints Cell, the two Deans of Students (one of them is Dean of Women Students), the Vice-Principals or the Registrar of the College.

In addition to these formal mechanisms, teachers also work towards redressal of complaints of the students.

**5.1.11 What are the institutional provisions for resolving issues pertaining to sexual harassment?**

The college has constituted the WDC, as per the statutory requirements of the UGC. Recently the role of the WDC has been restricted to sensitizing programmes and an Internal Complaints Committee has been constituted to look into cases of sexual harassment, as per UGC guidelines

**5.1.12 Is there an anti-ragging committee? How many instances (if any) have been reported during the last four years and what action has been taken on these?**

As per the University/ UGC norms, there are Anti-ragging squad, Anti-ragging Committee as well as Campus Discipline Committee to handle ragging issues, if any, in the college. The institution has not had any incidences of ragging or discipline issues.

Anti-ragging rules are included in the college prospectus, and Anti-ragging provisions of the University/UGC is informed to the learners when they secure admission to Wilson College, and an 'Undertaking to abide by the said provisions' is taken from the learners when they are granted admission.

Hostel wardens also contribute to ensure that there is no ragging in hostels. The CCTV surveillance all over the college has served as a good deterrent for ragging. A positive and healthy ragging-free atmosphere prevails in the college campus.

### 5.1.13 Enumerate the welfare-schemes made available to students by the institution

Different welfare measures/ schemes cater to different students groups. The vision of the college aims to provide holistic education to a diverse student body that includes students with diverse backgrounds and capabilities. To ensure a level playing field for all, college has many welfare schemes in place, especially for the marginalized section of students:

#### **Scholarships and financial help and Insurance Facility**

- College also helps financially weaker students to procure scholarships and financial help from different charitable trusts and donors including the alumni. They are allowed to pay fees in installment, if unable to pay in full amount.
- Scholarships are of two categories: need based and merit based. Under need based scholarship, girl students, visually challenged students are provided financial support.
- Mutual-Aid Fund and the Student Welfare Scheme of the College, gives financial assistance to economically disadvantaged learners.
- In addition to the above, individual departments waive excursion & industrial visit costs of deserving students who can't afford to pay.
- Group accident insurance cover, Yuva Raksha, is given to all students.

#### **Hostel Facilities**

Institution has separate hostel facilities for boys and girls. Till 2016-17, there were two boys and one girls hostel. Hostels provide concessions in fees and mess charges to economically weaker residents. Visually challenged hostel residents are charged reduced fees for the hostel, if required.

Teachers and alumni, anonymously contribute for hostel and mess fees.

#### **Canteen**

Institution has an in-house canteen facility. Nutritious and hygienic food is available at a subsidized rate.

#### **Other Facilities**

- Book-bank scheme, where sets of text-books of the relevant subjects and class, is made available to needy learners on an annual returnable basis.
- Department library resources are made available to the students.
- In-house counselor helps students with respect to their emotional and adjustment issues.
- There are separate sports coaches for different sports to train sportspersons. They are also given colors.
- Post graduate students of some of the science departments help the department in conducting practical sessions and they are paid remuneration for the same. This is also to promote 'earn-while-you-learn' opportunities for the students.

- The AVC caters to the special needs of visually challenged learners.

**5.1.14 Does the institution have a registered Alumni Association? If ‘yes’, what are its activities and major contributions for institutional, academic and infrastructure development?**

The Alumni Association of the college is not registered. The Alumni Committee comprises of teaching staff-alumni across disciplines. Regular annual college alumni meets are held most years. Alumni meet independently and network, for the mutual benefit of the college and the alumni.

Some departments have also organized department-level alumni meets on their own. Since the year 2013, the BMM department has organized an alumni meet for its students, a decade after they have graduated.

The alumni contribute to their alma mater in a variety of ways:

- They are regularly invited to deliver guest lectures in their area of expertise, for CEP, ESEP, for their departments.
- They have made many donations of books and expensive equipment, e.g. computer-enabled UV-Visible Spectrophotometer for the Chemistry Department costing around Rs. 2,50,000/-, in July 2016, by the Chemistry batch of 1976.
- They have regularly contributed for CEP fees for deserving candidates who cannot pay. They have sponsored stationery, folders to help with CEP expenses. An alumnus has instituted a cash prize for the best CEPian since 2014-15.
- They helped with internships for current learners.
- They have helped organize industrial visits, visit to the forensic labs, nature trails and nature camps and placements.
- Many alumni have instituted scholarships and prizes for the meritorious and needy students. They also help the needy students by providing financial help
- Alumni have donated books to the library, departments and to the nature club.

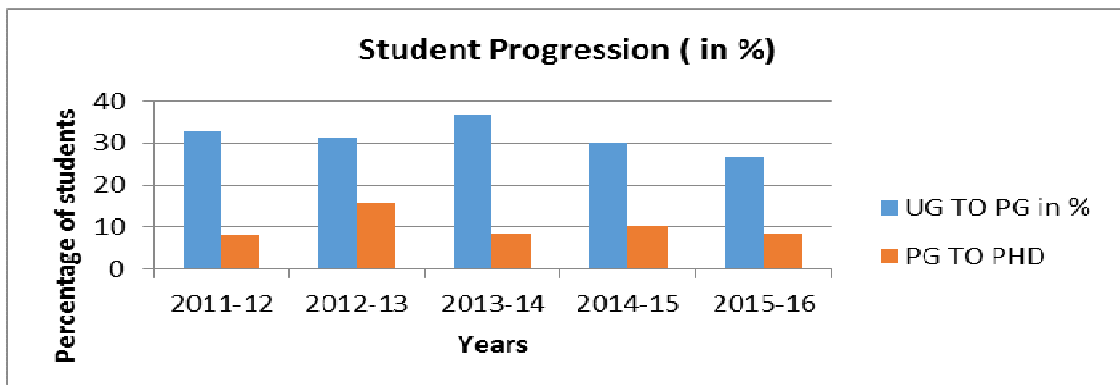
## **5.2 Student Progression**

**5.2.1 Providing the percentage of students progressing to higher education or employment (for the last four batches), highlight the trends observed.**

One of the main objectives of the college is to motivate students for academic excellence. Empowering students to progress to higher studies is an outcome of the efforts made by the college to achieve this objective. All departments motivate students to enroll in institutions of higher learning. From the undergraduate programmes students move to post graduate centres and from post graduate centres of the college to PhD programmes within the college or outside.



Year	Percentage of students progressing from UG to PG	Percentage of students progressing from PG to PhD
2015-16	27	09
2014-15	30	10
2013-14	37	09
2012-13	31	16
2011-12	33	08



About 30% of the UG students take admission for PG programmes. Majority students move to the job market. Although, precise data is not available, about 60 to 70% of the students who do not pursue higher studies start working soon after graduation.

Campus placement largely takes place through Career Guidance and Placement Committee. Departments, too, organize subject related campus placements for their students. On the whole, around five percent students get placements through campus. Only some approximation could be made about the off campus placements as definite data is difficult to procure.

An important part of student progression can be seen across departments where toppers and top ranking students come in with low level of performance and staff nurture and support enables them to excel.

**5.2.2 Provide details of the programme-wise pass percentage and completion rate for the last four years (cohortwise / batchwise as stipulated by the university)? Furnish programme-wise details in comparison with that of the previous performance of the same institution and that of the Colleges of the affiliating university within the city / district.**

#### Pass Percentage

Pass Percentage for 2011-12 to 2015-16								
	2015-16		2014-15		2013-14		2012-2013	2011-12
	Sem V	Sem VI	Sem V	Sem VI	Sem V	Sem VI		
T.Y.B.A.	90.00	82.07	94.96	86.55	86.67	86.02	91.19	84.38
T.Y.B.Sc.	88.44	79.44	72.50	82.03	66.67	77.27	76.51	73.89

<b>T.Y.B.M.M.</b>	<b>87.10</b>	<b>91.94</b>	<b>87.72</b>	<b>80.70</b>	<b>33.33</b>	<b>86.44</b>	<b>96.92</b>	<b>95.00</b>
<b>T.Y.B.M.S.</b>	<b>81.25</b>	<b>75.00</b>	<b>86.44</b>	<b>74.58</b>	<b>73.21</b>	<b>83.05</b>	<b>84.21</b>	<b>78.69</b>
<b>T.Y.-I.T.</b>	<b>76.00</b>	<b>68.00</b>	<b>92.00</b>	<b>72.00</b>	<b>26.79</b>	<b>65.28</b>	<b>67.92</b>	<b>79.25</b>
<b>T.Y.-C.S.</b>	<b>50.00</b>	<b>57.14</b>	<b>48.15</b>	<b>70.37</b>	<b>73.21</b>	<b>64.00</b>	<b>68.57</b>	<b>73.17</b>
<b>TY-BT</b>	<b>100.00</b>	<b>100.00</b>	<b>79.41</b>	<b>94.12</b>	<b>26.79</b>	*	<b>94.44</b>	<b>87.88</b>
<b>M.Sc.-II</b>	<b>91.67</b>	<b>100.00</b>	<b>77.14</b>	<b>88.57</b>	<b>73.21</b>	<b>88.57</b>	<b>86.67</b>	<b>96.15</b>

\*Results were wrongly declared and subsequently not received updated results from the University

Institutional results are in tune with the university results. Some departments outperform as their pass percentage is more than the university pass percentage.

#### Pass percentage of the previous NAAC cycle

Year Courses	Pass Percentage				
	2004-05	2005-06	2006-07	2007-08	2008-09
<b>T.Y.B.A.</b>	<b>89.5</b>	<b>89.5</b>	<b>90.2</b>	<b>97.1</b>	<b>98.3</b>
<b>T.Y.B.Sc.</b>	<b>74.6</b>	<b>82.8</b>	<b>82.1</b>	<b>84.1</b>	<b>82.2</b>
<b>T.Y.B.M.S.</b>	<b>79.2</b>	<b>96.4</b>	<b>82.9</b>	<b>81.2</b>	<b>86</b>
<b>T.Y.B.M.M.</b>	<b>95.6</b>	<b>89.5</b>	<b>94</b>	<b>100</b>	<b>92.3</b>
<b>M.Sc.</b>	<b>73</b>	<b>83</b>	<b>59</b>	<b>75</b>	<b>88</b>

### 5.2.3 How does the institution facilitate student progression to higher level of education and / or towards employment?

The objective of the college is to facilitate students to move to higher levels of education or work force in their chosen fields. Teachers and other student bodies make conscious efforts to provide enabling atmosphere and support for the same.

- Career Guidance talks and sessions organized by various departments and counselor; help the students with information about further avenues of education available. Campus Placement Sessions are also held by departments like B.M.S. BMM, IT, Copmputer Science, where reputed organizations like Infosys, WIPRO, L&T, Cap Gemini, Igate-Patni have visited and recruited students.
- The Career Guidance and Placement Committee and departments help students with job-placements. Departments, CEP and ESEP also try to provide internships to the students in their related fields. Alumni from various fields interact with students giving insights into various career options, help in providing placements/ internships for students.
- Progression from UG to PG to research is highly facilitated in departments like Chemistry, Microbiology, Zoology as these are PG centres. There are four Ph.D. centres in the college. This helps students to move to higher levels of learning with greater ease.

- Departments organize workshops to help students to prepare for NET/SET/GATE, to enable them to be eligible for teaching posts in colleges or research in premier research institutions of the country.
- Recommendation letters are given by faculty to students who are pursuing further education, especially abroad.
- Different agencies hold informative talks for further studies abroad: e.g. ‘Educational Opportunities in Australia’, in subjects of Chemistry students are sent for ‘Chemistry Aptitude Tests’ organized by Indian Chemical Society.
- Departments hold career talks for SY and TY students to wisely choose their further course of study according to their aptitudes. During department induction programmes, FY students are informed about the scope of the subjects opted by them.

#### **5.2.4 Enumerate the special support provided to students who are at risk of failure and dropout?**

Special efforts are made by teachers in particular and institution in general to help academically, financially, socially and emotionally weaker students who are at a fringe of the academic programme and are at the risk of getting dropped from the academic programme. Extra support by teachers, counseling and provision of necessary infrastructure support are provided to the academically marginalized students.

- Remedial coaching and extra teaching sessions for difficult topics are conducted informally, to help academically weak students, students who need to appear for ATKT exams, or those who have had prolonged medical problems or other personal issues.
- Informal mentoring is done to all students in each department whereby students who are at a risk of failure and drop-out could be identified and counseled.
- Hostel wardens and assistant-wardens identify students who are at a risk of drop-out due to family/ financial reasons. Flexibility is provided in terms of payment of fees etc.
- Counseling Centre helps by counseling such students and instilling confidence in them.  
Every department has library facilities, which is made available to the students with financial problems. Teachers also loan out textbooks or personal copies of reference books if requested by the students.
- College library has book bank scheme for needy students.

### 5.3 Student Participation and Activities

#### 5.3.1 *List the range of sports, games, cultural and other extracurricular activities available to students. Provide details of participation and program calendar.*

The holistic development of the student is what the, mission statement aims at. Hence it offers ample opportunity for students and participate in a wide range of activities- sports, cultural, co-curricular etc. within and outside the institution.

#### **Sports**

Wilson College is one of the few colleges to have a gymkhana and other sporting spaces and students have an opportunity to participate in wide range of sports activities, both indoor and outdoor. Staff committee and sports consultants coordinate sports activities. Increasingly our girl students are participating in sports that were perceived as male domains – eg. boxing, football, basketball and kabbadi

In order to train students for sports and facilitate their participation, the management has appointed a sports consultant. The college has a gymkhana committee comprising of staff and students and they organize the sports day, where students participate in field (03), tracks (06) and jump (03) other events (03) for men and women.

Besides this the students are being trained and have participated in following sports:

- Football, Boxing, Basketball, Badminton and Kabbadi for men and women
- Kho-kho for women
- Cricket for men
- Chess, Carom and Table Tennis

Apart from the activities of gymkhana various departments and hostels have sporting activities during their fests.

The AVC regularly holds cricket matches for their visually challenged students.

The college also has a Cultural Centre, comprising of a staff and students representatives. Along with the Student Council, it hosts the annual college festival Ole, which is intra and inter collegiate. Besides Ole, the Cultural Cente, Students Council also organises Saree-Tie Day, Chocolate Day and Traditional Day etc.

The BMM, BMS, Biotechnology and Arts department have their respective intercollegiate fests with cultural and sports competitions, workshops.

The college through the cultural centre also encourages students to participate in cultural fests of other colleges. ( on site visit)

Language departments have literary societies. They conduct extracurricular activities like debates, essay competitions, quizzes, writing workshops etc. Book Club consists of students who enjoy reading and discussing novels. Published novelists are invited to interact with students, discuss their craft and answer queries about writing and creativity. Occasionally films adapted from novels and about writers are screened. The drama club, formed by students, participates in several drama and street play

competitions and has won several prizes. Regular theatre workshops are organized by English and BMM departments.

The Nature Club is a vibrantly active, very well-known and popular activity of Wilson College, which is strongly supported by alumni across decades. Nature trails across interesting wilderness areas in different states across India, meetings with wildlife professionals and photographers, Environmental sensitization. Members of Nature club as a group, also participate actively in relief activities during natural calamities, like floods, earthquakes etc. in India. Extensive tree planting, clean-up campaigns are undertaken independently and with the forest departments.

### Calendar

Events	2016-17	2015-16	2014-15	2013-14	2012-13	2011-12
SPORTS DAY	13 <sup>th</sup> & 16 <sup>th</sup> Feb	7 <sup>th</sup> & 9 <sup>th</sup> December	18 <sup>th</sup> December	20 <sup>th</sup> December	21 <sup>st</sup> December	10 <sup>th</sup> & 13 <sup>th</sup> December
OLE`	27 <sup>th</sup> & 29 <sup>th</sup> January	15 <sup>th</sup> & 16 <sup>th</sup> December	18 <sup>th</sup> & 19 <sup>th</sup> December	8 <sup>th</sup> & 9 <sup>th</sup> December	10 <sup>th</sup> & 11 <sup>th</sup> December	20 <sup>th</sup> & 21 <sup>st</sup> December
POLARIS	15 <sup>th</sup> – 17 <sup>th</sup> July	20 <sup>th</sup> -22 <sup>nd</sup> July	18 <sup>th</sup> – 20 <sup>th</sup> July	19 <sup>th</sup> -21 <sup>st</sup> July	20 <sup>th</sup> – 22 <sup>nd</sup> July	15 <sup>th</sup> – 17 <sup>th</sup> July
ADORAE	27 <sup>th</sup> – 30 <sup>th</sup> August	22 <sup>nd</sup> to 24 <sup>th</sup> August	23 <sup>rd</sup> – 25 <sup>th</sup> August	30 <sup>th</sup> Aug. – 1 <sup>st</sup> Sept.	7 <sup>th</sup> – 9 <sup>th</sup> September	24 <sup>th</sup> – 27 <sup>th</sup> August
FESTIVAL OF PEACE	23 <sup>rd</sup> & 24 <sup>th</sup> September	3 <sup>rd</sup> -5 <sup>th</sup> September	4 <sup>th</sup> & 6 <sup>th</sup> August	-----	-----	-----
BIOMOSAIC	20 <sup>th</sup> August	19 <sup>th</sup> December	7 <sup>th</sup> & 8 <sup>th</sup> August	24 <sup>th</sup> August	-----	10 <sup>th</sup> January

### 5.3.2 Furnish the details of major student achievements in co-curricular, extra-curricular and cultural activities at different levels: University / State / Zonal / National / International, etc. for the previous four years.

Wilson College students have earned several accolades at various events and competitions at various levels. **On site visit.**

### 5.3.3 How does the college seek and use data and feedback from its graduates and employers, to improve the performance and quality of the institutional provisions?

At a formal level, exit forms are administered which are filled by graduating students. The form seeks feedback on variety of parameters. The forms are analysed and then the suggestions are deliberated and implemented wherever possible to bring about an overall improvement in the quality of functioning of institution. At an informal level, feedback is received from alumni.

**5.3.4 How does the college involve and encourage students to publish materials like catalogues, wall-magazines, college magazine, and other material? List the publications / materials brought out by the students during the previous four academic sessions.**

- The annual college magazine, ‘The Wilsonian’ is published by the College, and the college bears the cost of publication. There is an editorial team of staff and students. It has an uninterrupted record of publication since 1909. It is both a record of all college activities and is a showcase for the literary talents of the students in English, Hindi, and Marathi.
- Till 2013, the Nature Club student-members published ‘Footprint’ with funds from the Club and with guidance from staff .
- BMM students publish their annual yearbook with guidance from staff.
- Residents of St. Andrews House Men’s hostel published some editions of Sandy Vision, Golden Chronicles, and an updated Andrews’ Chronicles.
- The Marathi and Hindi Departments publishes ‘Shalakra’ and ‘Muktanchal’ with student contributions. These are regular wall publications.
- BMS department published ‘Pulse’ in the year 2011-12.
- The CEP newsletter was published in August 2012 which is a compilation of articles about their experiences during the CEP.

**5.3.5 Does the college have a Student Council or any similar body? Give details on its selection, constitution, activities and funding.**

Yes, the institution has a vibrant and active Student Council. Members are selected according to Mumbai University stipulations, and the Student Council consists of academic toppers of the previous academic year, and student representatives of different bodies like the Gymkhana etc, who are selected after interviews. Funding is done with student activities fees and sponsorships.

**5.3.6 Give details of various academic and administrative bodies that have student representatives on them.**

Student representatives are on various committees viz. library committee, various hostel committees, Gymkhana committee, Cultural Centre, WDC and IQAC.

**5.3.7 How does the institution network and collaborate with the Alumni and former faculty of the Institution.**

- Personal networking and contacts of teachers, along with the college data base is regularly updated. The College website is accessible to the alumni, which informs of activities and events in the college.
- Annual general alumni meets are organized.
- Department level alumni meets have been organized from 2014-15. The Chemistry

Department had an alumni meet on 08-01-2016, for the Batch of 1975-76. The BMM department has had meets for batches onwards of 2013.

- The Physics Department has guest lectures and informal interactions with its alumni where on an average, 25-100 alumni participate.
- Mr. Ajit Kawade, alumni of the Chemistry Department, and Undersecretary, Government of Maharashtra, helps with field visits.
- The alumni regularly contribute to the institution by coming as guest speakers and resource persons for the BMM, Political Science, English Departments and the CEP.
- They help with internships.

***Any other relevant information regarding Student Support and Progression which the college would like to include.***

- The college has a Student Mentoring Programme for under-graduate students, where a teacher is in charge of looking after any academic, social, financial problems of a group of ten students. The mentor provides holistic nurturing and development, as a caring friend.
- Wilson College caters to students with multi-cultural and ethnic backgrounds. The institution has hostels for men and women students which attracts students from across India and abroad. There is a separate forum, Rainbow, for the students of north-east.
- The institution has a MoU with the Ontario Maharashtra Goa Student Exchange Programme, whereby students can avail of students – exchange programme with Ontario Universities International.



# CRITERION 6

## GOVERNANCE, LEADERSHIP AND MANAGEMENT





## **CRITERIA VI - GOVERNANCE, LEADERSHIP AND MANAGEMENT**

### **Committee Members**

Ms. Shehernaz Nalwalla, IQAC & NAAC Coordinator

Dr. A. Uzgare and Dr. K. Aruna (Co-Convenors)

Dr. S. Skariah

Mr. P. Abhyankar

Mr. P. Ghoderao

## **CRITERION VI: GOVERNANCE, LEADERSHIP AND MANAGEMENT**

### **6.1 Institutional Vision and Leadership**

#### **6.1.1 State the vision and mission of the Institution and enumerate on how the mission statement defines the institution's distinctive characteristics in terms of addressing the needs of the society, the students it seeks to serve, institution's traditions and value orientations, vision for the future etc. ?**

*VISION* : 'To provide holistic education to a diverse student community, developing in them contemporary sensibilities, and preparing them to meet professional challenges as global citizens.'

*MISSION* : 'To produce intellectually well trained, morally upright, socially conscious & spiritually oriented men & women'

The institution was started in 1832 with an intention of providing basic education to the local population. It has helped students from varied backgrounds, many of them first generation learners, to gain knowledge and has equipped them with the skills required to help them to build a career and be able citizens. It has been a witness to the freedom movement, with many of its alumni being prominent members of the freedom struggle. In keeping with the times the college has evolved with many new faculties and courses being introduced. It has also responded to the changing needs and challenges at both academic and social levels..

The institution has developed a liberal ethos giving teachers the freedom to choose their methodology to achieve institutional objectives. The faculty are from varied background and are selected as per university norms. They are equipped to deliver the curriculum confidently and efficiently. The faculty caters to students from varied backgrounds : academic, cultural and geographical. This is ably supported by the open admission policy, the availability of hostels and various other support services.

The college being a minority institution, 50% Christian minority students are admitted as per university norms. The activities of the Chapel under the guidance of the Chaplain and the staff-in-charge serve to reinforce and nurture the values envisioned by the founding fathers. Special services are conducted for students at orientation and at graduation. Talks, films, workshops are held for students and they are taken outstation for an annual camp. Special lectures are arranged for staff. Merit scholarships to Christian students are given at Christmas time from the contributions of Christian teachers. The Orientation Programme Service and the Graduating Service emphasise the need for spiritual values and the Founder's Day programme helps inculcate values of our founding fathers.

The College has 2 hostels and is the only college with hostels for both boys and girls. The Mackichan Hall Hostel for boys is more than 100 years old and the Pandita Ramabai Hostel for girls is more than 75 years old. The hostels have their own programmes for training, nurture and sports.

The College Gymkhana arranges for coaching for sports, with sports teams for both boys and girls. Annual Sports Day is being conducted for more than 100 years.

The college maintains the heritage structures and the greenery on the campus providing a space for effective knowledge delivery. The architecture of the College is a mix of traditional and modern structures, with a heritage building and new additional structures which are modern.

In keeping with the times, the college has expanded the courses and programmes it offers, providing students with greater options in the careers they choose to pursue. The college has built ICT resources for use in administration and in teaching-learning. The college is strengthening this area by training teaching and non-teaching staff in the use of ICT resources and by offering skill development courses in those areas.

Vision for the Future – The College is conscious of globalizing world, therefore the newly introduced courses and programmes emphasise global competencies and inclusive and tolerant world view. The College strives for a constant response to crises and challenges by collecting aid and undergraduate outreach programmes. The College also plans starting of new underground and postgraduate programmes in emerging areas.

#### **6.1.2 *What is the role of the top management, Principal and Faculty in design and implementation of its quality policy and plans ?***

The top management, consisting of the John Wilson Education Society (JWES) and the Board of Management (BOM), meet regularly to discuss objectives and methods to achieve goals.

The Management has a proactive role in supporting various quality measures. New courses have been launched for which physical infrastructure and academic resources have been made available. Many certificate courses have been introduced where faculty from the college as well as visiting or invited resource persons train students in personal, managerial, professional skills and values. Industry collaborations provide students with an understanding of current global trends. A large number of seminars and workshops on social areas develop in students a broad understanding of social issues. Conveners of statutory committees are appointed by the Board of Management in consultation with the Principal. The committee reports are discussed in the Staff Council and Board of Management. The top management interacts with staff to get feedback on various issues. E.g. One such meeting took place on 2<sup>nd</sup> Sept, 2016.

The IQAC was formulated according to guidelines laid down by the UGC, which is the apex body for implementing and monitoring quality initiatives. The IQAC chalks out plans for activities and programmes during the academic year. It makes recommendations to the Principal and the Staff Council which initiate the action plans. Recent IQAC initiatives have been : enrichment lectures, Thinker's Forum, Festival of Peace, EC3- the environment seminar, Expanding Intellectual Horizons for advanced learners, Good Citizenship Forum and social initiatives.

#### **6.1.3 *What is the involvement of the leadership in ensuring :***

- *The policy statements and action plans for fulfillment of the stated mission*

The Board of Management (BOM) meets the Principal often and views the working of the college, keeping in mind objectives, vision and mission of the college. As the college is a part of the John Wilson Education Society (JWES), meetings are also held with members of the JWES. The Principal addresses all staff members on the first day of the academic year to outline focus areas for the current academic year. Chairman of the BOM also has addressed the staff. Participative management ensures that innovative ideas are incorporated in the action plans.

- *Formulation of action plans for all operations and incorporation of the same into institutional action plan*

The Principal communicates the decisions taken at the BOM meetings to the Staff Council which takes steps for their implementation. The Staff Council and the IQAC take up action plans in accordance with the vision and mission statements and the NAAC core values.

- *Interaction with stakeholders:*

Open Door Policy – students and parents can meet the Principal, the Vice Principals and the faculty with their problems.

The principal interacts with teaching and non-teaching staff regularly either formally or informally and communicates the different strategies for meeting with the goals set by the management. At orientation programme, the newly admitted students and their parents are informed about the college ethos, the various facilities, rules and regulations.

Principal also interacts with the Student Council and individual students from time to time. The department heads and the faculty interact with the parents and the alumni noting their feedbacks which form an important input for future College plans. Notices and circulars are displayed to aid communication within the organization.

- *Proper support for policy and planning through need analysis, research inputs and consultations with the stakeholders ?*

New courses like M.Sc. (IT) and Bachelor of Commerce in Accounting and Finance (BAF) were introduced in 2016-17. As a result of need analysis, 15% additional seats were requisitioned in BMM, BMS and B.Sc. (IT) than the stipulated number of seats. In 2015-16, additional division for BMM and BMS was requisitioned and granted. Starting of new courses and syllabi change require upgrading the library and lab facilities which is undertaken from time to time. Class rooms have been made available for the Self Financing Courses in the St Andrew's House building. New computer labs have been set up with new computers with a dedicated M.Sc. (IT) computer lab.

- *Reinforcing the culture of excellence*

Scholarships are given to students to motivate them, they are felicitated on the annual prize distribution day. New scholarships have been constituted like Dr. Sheryar Ookerjee Memorial Prize, Dr. Indira Borde Memorial Prize, Principal Augustine Borde Prize, Mrs Padma Solomonraj Scholarship, Sathia Daniel Scholarship for Visually Challenged and the Romario Rozer Memorial Prize. There is special appreciation of departments and staff whose students have topped the university.

Teachers receiving Ph Ds are publicly acknowledged and felicitated.

There is a thrust to research due to the Avishkar scheme under the university and by the setting up of the Research Committee. Collaborations with various research institutes is also a result of this. There is a marked increase in the number of students doing research. Student paper presentations also have increased.

E-journals are made available through Inlibnet, Browsing Centre in the library is accessible to staff and students. Library catalogues have a link on the College website for off-campus reference.

Staff are honoured and felicitated for their achievements by putting up notices, write-ups in the college magazine and felicitating them on the Annual Prize Distribution Day. Meritorious students of all classes, in academics, sports and extra-curricular activities are felicitated on the Annual Prize Distribution Day and Gymkhana Prize Distribution Day

- *Champion organizational change*

Periodic updating of the vision statement has been undertaken.

Refocus and reforms : The Vision Statement has been broadened after the last NAAC cycle. The Events organised find a balance between the Arts, Science and the Self – Financing courses. Exam room is overhauled and separate systems for exclusive use for exams have been put in place. In 2016-17, a lady staff has been appointed as Dean of Students. The number of Vice Principals has been enlarged to three. IQAC's new role to co-ordinate and manage activities has emerged prominently.

#### **6.1.4 What are the procedures adopted by the institution to monitor and evaluate policies and plans of the institution for effective implementation and improvement from time to time?**

College report is presented to BOM for review in meetings held twice a year.

- Role of IQAC and staff council: The IQAC members who are given responsibilities for quality initiatives in the College, monitor implementation of policies in these areas. Staff council monitors the performance of all committees, where their reports are presented. These reports are also printed in college magazine, The Wilsonian.
- Feedback is taken through TAQs, Exit forms filled out by graduating students. The library also takes feedback on library functioning.
- A Suggestion Box is kept in the library and a Grievance Box is kept in the office.
- Staff and students approach the Principal to get their problems addressed.
- Academic results are regularly reviewed by the Staff Council, BOM and LMC and corrective action suggested.
- Principal's interaction with HODs and faculty, and during staff and department meetings, are avenues where the implementation of plans is evaluated and corrective actions suggested.
- Departmental academic audits undertaken bring out strengths and weaknesses of departments as well as give a direction for projecting needs and requirements.

**6.1.5 Give details of the academic leadership provided to the faculty by the top management?**

The management makes appointments of all important positions in College including the Principal, Vice Principals, IQAC coordinator, conveners of important committees, and staff nominations to the BOM.

The Principal, being the link between the Management and the staff, administers through the HODs/coordinators, librarian, registrar, conveners of various committees. He implements the policies of the minority institution and nurtures its minority character.

The Management facilitates infrastructural support and up-gradation through assessing the needs of the college.

The College has organised interaction with renowned academics to inform the staff on the trends in the field of higher education. Fr. Frazer Mascarenhas, ex-principal, St. Xavier's College, who piloted the transition to autonomy in St. Xavier's, spoke on 'Quality Measures in Higher Education taken at St Xavier's College' and, at another event shared his views on opportunities and challenges of Being an autonomous college. Dr. M. Kurup, member of many NAAC Peer teams, spoke on 'Parameters of the Third Cycle of Accreditation'. Dr. V. J. Khole, former Vice Chancellor of Mumbai University, briefed the staff on the need for autonomy. The top management of JWES addressed the staff on 19<sup>th</sup> August, 2016 when the Centre for Self Financing Courses was inaugurated. They also had interaction with the teachers on 22<sup>nd</sup> Oct, 2016.

A Research Committee has been set up. Research grant was increased to Rs.1 Lakh in the year 2016-17. A DSTFIST research lab is set up to promote research. There is a push for new courses.

Faculty are sent for orientations/refresher courses, workshops. Leave is granted for FIP for completing PhDs, teachers participating in workshops for attending or presenting papers are given duty leave. A workshop on Performance Based Assessment Scheme (PBAS) for Career Advancement Scheme (CAS) was conducted for teaching staff in 2012. There was talk organised for staff on API scores, PBAS and placement in 2013.

**6.1.6 How does the college groom leadership at various levels ?**

- The College being part of the Church of North India (CNI), the Principal is given multiple responsibilities and leadership roles in CNI bodies in Maharashtra.
- The Vice Principals are on rotation on a fixed tenure so that more can get opportunity to become Vice Principal. The Vice Principals are a mix of junior and senior faculty.
- Indirect training to staff to serve the college in various capacities by giving them appropriate roles to play building up leadership qualities, organizational acumen etc.
- Staff Council consists of HODs, Hostel Wardens and Conveners of important committees, Dean of Students. Every member of Staff Council has a chance to be a part of decision making.

- An Interactive Development Programme for Mentors was organized in 2014 to enhance skills of those have roles to play as mentors.
- Departments are encouraged to organize State, National and International seminars.
- Non-teaching staff handle Exam related work and other responsibilities like interacting with government and university departments.
- Student Council members execute major College programmes under the guidance of the Principal and Dean of Students to get valuable leadership lessons.

**6.1.7 How does the college delegate authority and provide operational autonomy to the departments / units of the institution and work towards decentralized governance system ?**

There is decentralization of power with the vice principals, registrar, IQAC coordinator, Right To Information officer, Dean of Students, etc. Senior teachers are nominated to BOM who can assess various parameters of growth.

- Democratic mode of functioning: The College administration is decentralized with the Principal being assisted by the 3 vice principals, Registrar, Treasurer, HODs/coordinators, senior teachers and conveners of various committees. Special Committees are constituted for exams, admissions and timetable. The statutory and non-statutory committees have a large representation of teachers who participate in the decision-making process. The office functions in two units : The general office and accounts office, and work is distributed among the registrar, superintendent, accountant, senior and junior clerks.
- The Self Financing Courses have a Director to monitor their functioning by constant interaction with the course coordinators. The self financing courses have their own office and administrative staff.
- HODs and department colleagues make departmental academic plans to organise lectures, practicals, curricular and extra-curricular activities, certificate courses or enrichment programmes. Departments have freedom to organize seminars, workshops, events, educational tours, adopt innovative methods in teaching, learning and evaluation, as well as to take up research programmes. Academic freedom is given within the framework of the syllabus, timetables and notified exam dates. The annual department budget spent is as per the needs, to be accounted for later.
- Vice Principals are assigned duties as and when required to monitor functioning of various committees and the college office. The Treasurer and the accountant coordinate functions of the accounts office.
- The Staff council and the IQAC provide forums for inter-departmental collaborations. IQAC has multiple roles: such as organising activities, quality initiatives, in addition to its advisory role in College matters.
- Purchase committee, timetable committee, and examination committee streamline and monitor the functioning in these areas
- All committees work independently with the larger college ethos in mind

- At Administration level the Registrar looks after the non-teaching staff and their concerns

**6.1.8 Does the college promote a culture of participative management? If 'yes', indicate the levels of participative management.**

There is a strong culture of participative management as given in 6.1.7. Staff is part of the decision-making process right from the BOM (2 teacher representatives, Treasurer), LMC (4 staff members), IQAC (2 educationists, 1 alumnus, 1 industry representative), Staff Council (vice principals, dean of students, librarian, hostel wardens, representatives from all faculties).

- All College decisions are based on committees created by the Principal to ensure consensus. There are committees for every purpose and function. These various committees reflect commitment of the college in decentralizing the general governance and administration of academic and extra-curricular activities. Several core committees for admission, timetable, attendance, examination and discipline play a major role in participative management and effective internal coordination. There is a canteen committee and a garden committee also. The responsibilities of various sections of the college magazine are divided between the editorial team.
- The Staff Council coordinates and oversees academic matters. The various committee reports are submitted to the Staff Council, which deliberates on them and advises the Principal on the Action Plan. The academic calendar prepared by the IQAC provides a comprehensive ground plan for all college academic and extra-curricular activities.

**6.2 STRATEGY DEVELOPMENT AND DEPLOYMENT**

**6.2.1 Does the institution have a formally stated quality policy ? How is it developed, driven, deployed and reviewed ?**

The quality policy is expressed in the College Vision and Mission statement. The Vision statement has been updated during this NAAC cycle after deliberations with IQAC & other staff members. The NAAC core values also are guiding principles for College activities.

**6.2.2 Does the institute have a perspective plan for development ? If so, give the aspects considered for inclusion in the plan.**

Yes, the College perspective plan is given below :

Wilson College has a rich legacy. The challenge is to contemporize the vision and also ensure long term financial sustainability.

The plan includes

- Strengthening of Research in Arts and Science departments.
- Provide infrastructural support.
- Create new space in existing spaces like in hostels.



- Creating class rooms and computer labs for the increasing needs of Self Financing Courses.
- Starting newer undergraduate, post graduate and certificate courses.
- Look at possibilities in language courses.
- Create a separate Self Financing Courses Division for exploring new options
- Ensure more frequent interaction with the staff to ensure quality.

Keeping in mind the recent trends, the College has a multi-pronged approach in its thrust to achieve high bench marks. Being part of the JWES, the College is part of the JWES policy plan to achieve eminence as an educational institution. Accordingly, the range of courses has increased with addition of BAF to the self-financing courses. Starting of M.Sc. (IT) in 2016-17 brings the number of PG programs to five. Owing to student demand, one division has been added to BMM and BMS from 2016-17.

To give impetus to research, Research Committee has been active to promote student and staff research and acquiring research funding by applying for grants. The management has increased the funding for research from Rs 50,000/- to Rs 1 Lakh from year 2016-17. Certificate courses have been introduced as per current trends and requirements of career opportunities, soft skill development and management skills. Several eminent speakers and personalities have been invited to inculcate nationalist, moral, social and ethical values. Interaction with the Vice President Mr. Hamid Ansari on Feb 3, 2015 was one such instance.

The College has built ICT resources for use in administration and in teaching-learning and strengthening this area by training teaching and non-teaching staff in the use of ICT resources and offering skill development programmes in these areas. In Jan 2017, the College has acquired Microsoft Open Value Subscription Education Solutions Software License. The College ICT Policy is as under :

To have up-to-date ICT instruments to make student learning as the centre of all systems – academic or administrative; to make available financial resources to acquire and to maintain them; to have human resources to manage them by providing training and opportunity; and to legally safeguard our right to usage by acquiring necessary licenses.

### **6.2.3 Describe the internal organisational structure and decision making processes.**

Wilson College has a multi-layered organisational structure. The College is managed by the JWES which has 8 educational units, The Principal was secretary of JWES till June 2016, due to which, and also because he is a trustee of the JWES, he forms the link between the JWES and the College. The JWES approves, plans, finances and controls the development schemes. It appoints the Board of Management to administer the College in accordance with JWES policies coming in force from time to time.

The BOM includes the Chairman, 3 experts co-opted from the fields of education, administration, finance etc., 4 JWES appointed members, 2 co-opted staff members, and ex-officio Principal and Treasurer. The BOM appoints the College Treasurer, the staff, the dean of students and dean of women students, Convener of the Library

Committee, and the Vice President of the Gymkhana on the recommendations of the Principal. It regulates College finances by passing the College budget and approving the audited statement of accounts.

The Local Managing Committee (LMC) is a statutory body, constituted on per section 85 of the Maharashtra University Act, 1994. The Act includes powers and duties of the LMC. It has Chairman of Management, three experts appointed by management and one management representative, three elected teaching staff and one elected non-teaching staff representatives, the Society Secretary or his nominee and Principal as a member secretary. The LMC prepares College budget and assists the Principal in the College administration in matters referred to it by the Principal.

The College has the Principal at the helm with vice principals, the Registrar, the superintendent, the accountant, the college office and the accounts office, and the librarian to help him. The Staff Council monitors the academic environment. IQAC and its coordinator monitor quality initiatives. The statutory and the non- statutory committees administer important college functionalities and co-curricular and extra-curricular activities, which also help develop better participation and leadership building in the staff. New committees are constituted as and when stipulated by the University, e.g. Anti-Ragging Committee, and internal complaints committees were constituted. In the absence of university directive, ad hoc Student Council was constituted in 2016-2017.

All college work is distributed among committees e.g. admission, time table, examination, attendance and discipline for smooth & effective functioning. The conveners of committees and HODs function under the guidance of the Principal. The annual committee reports are submitted to the Staff Council, which, along with department reports, are published in the College magazine.

#### **6.2.4 Give a broad description of the quality improvement strategies of the institution for each of the following**

- **Teaching and Learning**

The following strategies are employed :

Creation of smart classrooms and on E-learning rooms, use of LCD Projectors in classrooms, Well-equipped laboratories, computer labs with projectors and home theatres, well-stocked library.

Innovative teaching methods ICT in classrooms, Cybernetix equipment to create learning modules, upgrading staff skills in the use of ICT techniques and software.

Preparation of academic calendar, time tables and exam schedules to inform stakeholders and streamline these activities. For streamlining of exam activities, dedicated staff have been deployed, a Xeroxing machine, a digital cyclostyling machine and CCTV camera have been installed.

Student activities like projects (syllabus, non-syllabus), field visits and field work, surveys, industrial / cultural visits, presentations etc. to impact education beyond the syllabus.

Introduction of certificate courses for skill enhancement and for advanced learners.

TAQs and Exit feedback for evaluation of teachers and college. Library feedback on its functioning and usage.

Mentoring of students either formally or informally.

Felicitation of meritorious students and award of scholarships to recognise and encourage merit.

- **Research and Development**

To promote research as way to develop academic excellence, a Research Committee was constituted to bring awareness about applying for research projects to UGC, University and other bodies.

Teachers are encouraged to participate in international/ national/ state / local conferences to attend or to present papers.

DSTFIST Research lab has been set up as a common research facility with a small computer centre.

Library subscribes to research journal, e-journals are available through Inflightnet in addition to several reference books.

There is active encouragement for student paper presentations with an appreciative increase in their number in in-house seminars as well as in other seminars.

The Ph.D. awardees are facilitated during annual prize distribution function, their achievements put up on notice boards and prominent mention made in the college magazine.

Exhibitions are put up by students during Biomosaic, the Microbiology fest, and during Festival of Peace. The exhibitions are visited by a large number of school students.

- **Community Engagement**

The College ISR Charter has been put in place. ISR pledge was administered to students. Subsequently, a budget of Rs25,000/- was allocated for ISR.

The Institutional ISR is managed through various departments and bodies.

The College NSS unit is actively engaged in this area. It organises blood donation campus, undertakes 'ShramDaan' in village projects.

During national calamities, medicines, clothes, food, tarpaulin etc are reached to affected people through the NGO 'Goonj'.

Nature club carries out afforestation programmes. There are ongoing green campus initiatives like composting, recycling of paper and plastic waste, and maintaining College garden.

Through the event 'Terry Fox Run' the BMS department collects funds for cancer affected children.

The HOPE initiative of BMS department collects clothes, medicines etc for various projects. HOPE has annual theme based campaigns to raise funds and awareness.

BMM has a tie up with a school in Tara village for providing books and conducting educational programmes every year for the past five years. They also have a tie up with an NGO called Aakanksha, which conducted a career development seminar for residents of Girgaum in the college.

During Ganesh Festival, College student volunteers help manage the traffic around Chowpatty and later take up 'Clean the Chowpatty Drive'.

'EC3- Care, conserve, create', is an IQAC initiative environment seminar organised every year to focus on key aspects of environment.

Festival of Peace strives to create an anti-war sentiment of concern in the youth and build bridges across conflict situations.

Students visit Aasha Daan orphanage regularly to interact with and entertain the inmates.

During Christmas celebrations in the chapel every year, meritorious Christian students are given scholarships from the contributions of Christian teachers.

- **Human Resource Management**

The faculty is selected, promoted and superannuated strictly as per university norms. Biometric attendance has been implemented in the College Main building as well as in the Centre for Self Financing Courses.

Orientation of new staff to College functioning is done every few years.

The non-teaching staff on management scale are brought within the of govt. scale whenever possible, their pay scales are also followed up with the govt.

The various committees have wide representation of staff members, giving opportunity for many to contribute to college administration.

Staff are assigned tasks taking into account their abilities and inclinations.

Staff are sent for FIP.

Placement Cell, through various departments, organizes campus recruitment drives. Placement talks bring awareness of industrial requirements, career paths and career advancement options. Some of the companies are Wipro, Infosys, Datamatics, TCS, LnT, Lakozy audio, Insight, Cimpress India, Sathyam Power, Accenture, Blue Bytes News info, Tritone Digital Services, Piramal Foundation Teach for India, MISB Bocconi.

Talks are conducted by industry experts on skill requirements in the industry.

Interaction with eminent personalities is organised to develop potential and character building of staff and students. Shekhar Kaza, Sr HR professional at Crisil, gave an inspiring talk on 'Teaching – Learning Process in Contemporary situation'.

- **Industry Interaction**

Industrial visits, field trips etc. help broaden student world view.

People from industry take awareness lectures, bringing awareness of career options.

Important College fests have industry sponsors.

Some departments like BMS & Microbiology provide compulsory internships. The students of Computer Science and Information Technology undertake 'live' software projects that are based on real world industrial situations / applications.

CEP students have to undertake one month internship and give presentation on the basis of that experience.

Campus placements are conducted by eminent companies and a good number of students gets selected.

Some departments like Microbiology take up industry related projects.

Number of internships has increased.

### ***6.2.5 How does the Head of the institution ensure that adequate information (form feedback and personal contacts etc.) is available for the top management and the stakeholders, to review the activities of the institution?***

The Principal is the key communicator with the top management. He is in constant touch will all the stakeholders as well as with other principals, and can give informal

feedback to the management. The management also gets feedback from BOM meetings, LMC meetings, staff meetings and informal interactions with staff. The Vice-Principals, committee conveners, IQAC coordinator and HODs, regularly interact with Principal. HODs & Coordinators of Self Financing Courses interact with students, parents, alumni placement agencies and industry representatives, which becomes a basis for inputs to the Principal.

The formal feedback mechanisms like the TAQs, Exit Forms, PBAS appraisal forms, Academic diaries, department reports and committee reports are submitted to the Staff Council, and published in the College magazine. Result analysis, staff attendance, leave records, academic & other administrative audits, budget and audited Statement of Accounts etc., form part of formal feedback on College performance. The College website updates stakeholders on College activities & important events. The annual AQAR, NAAC reports and College magazine is available on website. Parent teacher meetings happen at department levels to apprise them of College/department activities and their ward's progress.

**6.2.6 *How does the management encourage and support involvement of the staff in improving the effectiveness and efficiency of the institutional processes?***

The management encourages 1) participatory management and college staff have freedom for taking decisions for day – to – day functioning. This works as a motivating factor and ensures commitment for delivering results. 2) Cordial relationship among students and teaching/ non-teaching staff. 3) The management ensures creating necessary infrastructure for smooth and efficient conduct of academic and administrative functions. 4) Some teaching and non-teaching staff have been given residential quarters. 5) Principal conducts staff meetings at the beginning of academic year and whenever there is requirement. 6) Children of non-teaching staff are felicitated upon clearing examinations. 7) Non-teaching staff are encouraged to improve qualifications. 8) Teaching staff are encouraged to study further, do research and to present or publish their research papers. 9) There is overall staff representation in College committees and in the preparation of the SSR for NAAC re-accreditation. 10) Teaching and non-teaching staff arrange picnics for ensuring better inter personal relationships.

**6.2.7 *Enumerate the resolutions made by the Management Council in the last year and the status of implementation of such resolutions.***

**Board of Management resolutions :**

07.06.2016

Recommended that budget of Botany department be increased to take care of needs of the department.

Registrar should look into proper maintenance of drinking water facilities in LCR & BCR

10.08.2016

New courses BAF & M.SC IT - Reported that Government permission was given wide GR dated 04.07.2016. After complying with all norms, process of admission started.

Dr. R Ghosh appointed head of Zoology department w.e.f. 01.08.2016.

Screening Committee be constituted for promotion under CAS for six eligible teachers.

Resignation of Ms J Dsa accepted to enable her to go abroad.

Registration of Dr. Bhalerao accepted to enable him join as principal of college at Ambarnath.

Start new courses YCMOU BCA course, Skill Development Programme, Gemology and Language Course in Chinese.

Principal of Hislop College, Nagpur be invited to speak to IQAC members.

Purchase/installation of water coolers in BCR, LCR: Registrar entrusted with the work.

Research projects seed money support from management increased from 50k to 1L from this year

Facilities for office automation and follow up work to be done by Registrar.

#### **LMC Resolutions :**

31.3.2015 - 1. It was decided that management give salary advance to non-teaching staff whenever there may be delay by government. This meeting noted with appreciation the kind gesture by management. 2. Remuneration for exam work be streamlined and disbursed in time.

28.04.2016 – 1. Management credited 40% salary of teaching and full salary of non-teaching staff when salary from government was delayed. 2. Xerox machine for Exam Committee be purchased. 3. A brief report on student attendance and absenteeism presented with directive that measures be taken to improve attendance. 4. Probation period of new appointee teachers be executed as per changed university guidelines.

18.10.2016 - 1. 5 water filters and 1 water cooler required. 2. Arts departments need LCD projector.

#### **6.2.8 Does the affiliating university make a provision for according the status of autonomy to an affiliated institution? If 'yes', what are the efforts made by the institution in obtaining autonomy?**

Yes. The provision exists. The College management has taken up this issue at various levels. The process will begin after the 3<sup>rd</sup> cycle of accreditation. College has started moving in this direction. Fifth PG course in IT has started in 2016-2017. On 22<sup>nd</sup> Oct 2016, a workshop on autonomy was conducted for the staff wherein, Dr. Frazer, ex-principal of St. Xavier's and Dr. Vijay Khole, Ex-VCof Mumbai University, shared their experiences and gave guidance.

**6.2.9 How does the Institution ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyze the nature of grievances for promoting better stake holder relationship?**

The college has Grievance Redressal Committees for teachers', non-teaching staff and students. Each committee has convener and two staff members. The Internal Complaints Committee has a convener, two staff and two non-teaching staff as members. Minor grievances are promptly resolved. The existence of other committees like Discipline Committee, anti-Ragging Committee and CCTV cameras at many locations keep the environment safe.

**6.2.10 During the last four years, had there been instances of court cases filed by and against the institute? Provide details on the issues and decisions of the courts on these.**

Sr. No.	Name	Suit No. / W.P. No.	Court	Status/ Remark
1.	Mr. Naseer B. Jahagirdar	Appeal no. 10 of 2015	Mumbai University & College Tribunal	Pending
2.	Mr. Sanjay D. Mhaske	2724 of 2016	High Court of Bombay	Pending
3.	Mr. Sanjay D. Mhaske	2206 of 2015	High Court of Bombay	Pending
4.	Mr. S. Y. Pakhle	1250 of 2016	High Court of Bombay	Consent Term & Settled & dismissed
5.	Mrs. Deepanjali Jambhale	2053 of 2016	High Court of Bombay	Settled & dismissed
6.	Dr. Rashmi David	Appeal no. 02 of 2015	Mumbai University & College Tribunal	Pending
7.	Mr. Amit Singh	Appeal no. 01 of 2015	Mumbai University & College Tribunal	Pending

**6.2.11 Does the Institution have a mechanism for analyzing student feedback on institutional performance? If 'yes', what was the outcome and response of the institution to such an effort?**

Student feedback TAQ is taken every year. It is a feedback on various aspects of a teacher. Library has devised a feedback form on its functioning. Exit forms also have been used lately to take feedback from passing out students when they come to collect final results. The Exit form takes feedback on these parameters: the quality of education received, teacher student relationship, college activities, student support, infrastructure, overall student development.

Alumni visiting their departments give feedback to HODs and the faculty. Alumni meets also are occasions for sharing feedback. These feedbacks help the College follow industry trends and plan skill building or certificate courses in relevant areas.

### **6.3 Faculty Empowerment Strategies**

#### **6.3.1 *What are the efforts made by the institution to enhance the professional development of its teaching and non teaching staff?***

Teachers are encouraged to attend orientation/refresher courses, and attend seminars. One teacher has been able to avail of the FDP scheme of the UGC. The college encourages teachers to publish papers and submit research proposals to various funding agencies. Departments are encouraged to organize seminars and workshops where experts in the subject can be invited to speak to teachers about modern developments in the subject. These activities help teachers to gain knowledge and improve their skills. Teachers are encouraged to engage in research activities, senior teachers with experience in research are encouraged to apply as Ph.D. guides. Research recognition is sought for departments having recognized Ph.D. guides, thus creating a research center for the subject in the college. Teachers without a Ph.D. degree are encouraged to work towards a Ph.D. They are aided by providing adjustment of their timetable to help them carry on their research work in parallel.

Non-teaching staff is provided training in the use of MIS software and other administrative technologies. They are encouraged to improve their qualification so that they can advance their career prospects. They staff are also granted flexible work timings.

#### **6.3.2 *What are the strategies adopted by the institution for faculty empowerment through training, retraining and motivating the employees for the roles and responsibility they perform?***

The roles and responsibilities of the faculty are on several fronts. While 6.3.1 above details the strategies adopted by the management for the academic growth of the faculty, there are other strategies adopted by the management for the faculty to help them discharge their wider responsibilities in decision making and policy formulation in the multiple roles they play.

Teachers with potential are made conveners of committees. Committees have representation of both senior and junior teachers for sharing ideas and training of the junior teachers. Teacher representatives on BOM and LMC trained in administration. Welfare measures for the non-teaching staff and their children are motivating factors.

The college magazine The Wilsonian highlights the achievements of the staff. Staff are felicitated at the annual prize distribution, and staff achievements are displayed on college notice boards.

Infrastructural support is given for teaching-learning and administration.

Workshops conducted on mentoring/ counseling/ PBAS / ICT / cybernetix /college app.



A Teachers Placement Committee has been appointed for looking into promotion of staff members.

**6.3.3 Provide details on the performance appraisal system of the staff to evaluate and ensure that information on multiple activities is appropriately captured and considered for better performance.**

The College follows the PBAS system as given by the Mumbai University. Each year the faculty members fill in an annual PBAS form which is then checked and signed by the HODs—principal and IQAC coordinator. This PBAS has several criteria like teaching learning, administration, and research. Hence faculty members are evaluated on multiple parameters.

This PBAS is then considered for CAS. This also acts like a peer feedback.

The faculty is also evaluated by the students as part of the TAQs.

**6.3.4 What is the outcome of the review of the performance appraisal reports by the management and the major decisions taken? How are they communicated to the appropriate stakeholders?**

The performance of the teachers is reviewed and strategies are suggested so that individual teachers can maximize their output. This helps the teachers to improve their API scores while contributing to the overall development of the college. The teachers are conveyed these suggestions by holding meetings with the principal. This allows teachers in preparing future plans. The analysis of results are discussed at various meetings (as mentioned above) and any corrective measures to be taken are planned.

**6.3.5 What are the welfare schemes available for teaching and non teaching staff? What percentage of staff have availed the benefit of such schemes in the last four years?**

The staff of the college can avail of the following welfare schemes:

- Salary advances are paid to staff in case of emergencies.
- Festival advance, Uniforms and Laundry allowance are given to non-teaching staff
- Some staff (non-teaching and Christian teaching staff) are provided residences.
- Employment is provided to kin of deceased non-teaching staff on compassionate grounds.
- Learners who are children of non-teaching staff are given a tuition fee waiver and scholarships.
- An endowment received as a donation is used to provide medical assistance to non-teaching staff.
- Non – teaching staff have access to a credit society.

Welfare Scheme	2016-17	2015-16	2014-15	2013-14	2012-13	2011-12
Salary Advances (teaching staff only)	4%	10%	2%	8%	8%	4%

Residences provided	18%	18%	18%	18%	18%	18%
Tuition waiver to kin of staff	5%	18%	-	12%	10%	-
Medical aid provided	5%	-	-	-	-	-
Members of credit society(non-teaching staff only)	50%	-	-	-	-	-

Salary Advances paid to staff – 60 instances from 2011-16.

**6.3.6 What are the measures taken by the Institution for attracting and retaining eminent faculty?**

Posts of teachers are advertised as per government rules. The college ensures a conducive working atmosphere for teaching and research.

Teachers having a long and dedicated service with the institution, who have been recognized for their teaching and research are appointed as adjunct faculty. Provision to pay adjunct faculty is made by the management. While we try our best to retain our staff, we also encourage upward movement for faculty to institutes outside :one of our faculty joined an Ambernath college as principal in 2016.

**6.4 Financial Management and Resource Mobilization**

**6.4.1 What is the institutional mechanism to monitor effective and efficient use of available financial resources?**

The LMC prepares the College budget three months before the beginning of the academic year and BOM passes it. The Principal allocates the budget to all departments at the beginning of every academic year. Actual expenditure against the budgetary allocations is monitored by the accounts department. The departments submit accounts of departmental expenditure contingencies are met them budget provisions and/or borrowing from the Management. Purchases are done following procedure of calling for quotations, comparing prices and purchase orders made through purchase committee.

Separate accounts are maintained for aided and unaided sections. Utilisation certificates are obtained for expenses made from UGC grants Internal auditors monitor expenses.

**6.4.2 What are the institutional mechanisms for internal and external audit? When was the last audit done and what are the major audit objections? Provide the details on compliance.**

Internal audit is done by finance personnel in JWES office. External audit is done by statutory auditors appointed by JWES. Government norms are followed in auditing of accounts. Timeline is followed in doing audit. Management, Principal, Registrar and staff representatives discuss the audit objections. Internal Audits, normally done annually, are now being undertaken every 6 months.

An administrative audit was conducted on 21<sup>st</sup> June, 2016. An academic audit was conducted on 10-11 June, 2016. The academic audit team commended the college for multi-faculty certificate, undergraduate, post graduate and research programmes in Arts, Science, Social Science and Professional areas. It also appreciated the college for providing higher educational opportunities to deserving economically backward students and the wide choice of options and innovative courses offered in language and science subjects. At the same time the team voiced concern about critical areas :

1. Inadequate research in most departments – This area has received a fillip with many minor research grants specially for chemistry department. 2. Inability to optimise technology in both teaching and administration – This area is being looked into. We have collaboration with CAMPUSBY for college mobile app that can give real time feedback about student attendance as well as features like clubs, updates, notices for networking among students across subjects and faculties. An LCD projector has been acquired for ICT based teaching learning for the Arts departments.

The college MIS software is being studied from the point of view of gradual implementation. 3. Not able to tap alumni and other stakeholders to raise adequate finance – Many alumni have contributed monetarily – Kalpana Seth has donated Rs One Crore and Fifteen Lakh for college renovation and she has been a regular donor to the College library. Vispi Balporia has used her good offices to bring aid for economically backward students. 4. Limited collaborations – Each Informal associations is being turned into a formal MOU and a newer collaborations are being added by addition of new career and skill based courses. 5. Infrastructure Constraints – This is being overcome by creating the Centre for Self Financing Courses in the St. Andrew's House (which was a boys' hostel) with sufficient classrooms, three computer labs and an admin block.

**6.4.3 What are the major sources of institutional receipts/funding and how is the deficit managed? Provide audited income and expenditure statement of academic and administrative activities of the previous four years and the reserve fund/corpus available with institutions, if any.**

The major source of institutional receipts is the fees collected from the students and UGC / University grants. The College maintains salary and non-salary accounts in Bank of Maharashtra and UCO Bank respectively. Deficit, if any, is met by borrowing from the Management. Revenue is generated through Self Financing Courses or by tie ups with other educational institutions, and through Alumni donations. There is no reserve fund available, as, as and when there is deficit, the management steps in to provide financial assistance.

**Annexure No 8.** Detailed audited statements on site visit.

**6.4.4 Give details on the efforts made by the institution in securing additional funding and the utilization of the same (if any).**

College received additional funding in the following way :

- DST FIST grant of 81 Lakhs from the Department of Science & Technology for Infrastructure Development and Enhancing Teaching Learning in Science departments.
- Grants from UGC, Mumbai University and other agencies for minor, major research projects are utilised by teachers and help fund infrastructure in the departments.
- Some of the grants received are : UGC grant of 15 Lakh to Dr. Jamson Masih, XII th Plan grant of Rs 6.8 Lakh to Dr. Aruna, BARC grant of Rs 7 Lakh to Dr. Jamson Masih, UGC grants for Minor Research Project to Meghna Gore and Joyline Mascrenhas.
- Funds from sponsorships of college/department festivals, academic or co-curricular programs are deposited in the College account.
- Funds for endorsement and scholarships are utilised appropriately.
- Donation of Rs 1 crore and fifteen lakh was received from alumna Ms. Kalpana Seth.

## 6.5 Internal Quality Assurance System (IQAS)

### 6.5.1 Internal Quality Assurance Cell (IQAC)

#### a. *Has the institution established an Internal Quality Assurance Cell (IQAC)?*

If 'yes', what is the institutional policy with regard to quality assurance and how has it contributed in institutionalizing the quality assurance processes?

Yes. IQAC was established in the year 2011. To facilitate its working, the Cell has a large dedicated room.

It is constituted with representatives of all stakeholders who contribute towards decisions and working of IQAC in its quality initiatives. With the Principal and the IQAC coordinator as motivators, it has organised and implemented innovative programmes and practices. The College has been able to achieve a high degree of cohesiveness and coordination among departments through interdisciplinary programmes. IQAC has accomplished accountability and transparency through documentation of various activities.

IQAC strives to enhance staff competencies by making them aware of the state of the art ideas through workshops. It organises activities which help further the mission of the College. It ensures capacity building through workshops. It is trying to set systems and institutionalise practices to achieve professional standards.

#### b. *How many decisions of the IAQC have been approved by the management/authorities for implementation and how many of them were actually implemented?*

The frequent interaction between IQAC and the Principal has resulted in openness and accessibility. Cooperation between them has been fruitful in implementations in the following areas:

- Research initiatives and forming of Research Committee.

- Applying for grants.
- Introduction of certificate courses and programmes for advanced learners.
- Organising Festival of Peace, Environment Seminar EC3, Joint initiatives with Jai Hind College in organizing two seminars on the theme 'The Extra Mile .....In Search Of Excellence' and 'The Way Forward .... Exploring Excellence'..
- Recycling of green waste composting, collection of newspapers, plastic bottles & tetra packs for recycling.
- Documentation of activities in College magazine and on the College website.
- Enhanced cooperation between academic & administrative staffs.
- The Principal and Management have ratified IQAC decisions. More 90% have been implemented, others are in the process.

**c. Does the IQAC have external members on its committee?**

Yes, there are three external members whose contribution consists of meeting the faculty department-wise to mentor them and encouraging academic and research activities. Their other contribution are :meeting theyoung teachers from Physics and Chemistry on Application of Theory, suggesting special programme for advanced learners, which was implemented and to have interdisciplinary activities.

**d. How do students and alumni contribute to the effective functioning of the IQAC?**

Students organise IQAC festivals and events. Alumni have come in as keynote speakers (Shekhar Kaza), for conducting workshops and training programmes (Narayan Sahu, sand artist), as judges of students' paper presentations (Vivek Kulkarni from BNHS), conducting student activities (Dhiren Talpade).

**e. How does the IQAC communicate and engage staff from different constituents of the institution?**

IQAC informs HODs its plans and suggestions. Special committees are created for organising festival and seminars. The different stakeholders are informed through notices by the Principal on sessions and programmes for them. The IQAC seminars and festivals have a significant academic content and teachers participating in them get exposure and motivation academically. Training programs have been organised for non-teaching staff of IT department and those working for the exams in handling the newly acquired Xeroxing machine and digital cyclostyling machine in the exam room. The Office non-teaching staff have been included in the discussions of office automation software like Vridhhi and Mastersoft.

**6.5.2 Does the institution have an integrated framework for Quality assurance of the academic and administrative activities? If 'yes', give details on its operationalisation.**

Yes. Since 2011.

Active interface with the Principal and Registrar for smooth functioning of general office and accounts office.

Regular IQAC meetings and regular feedback from students, teachers and alumni is passed on to different constituents of the college for holistic development of students and the college. Various audits are conducted to review functioning of the college.

The Vice Principals, HOD's, Staff in charges for theory and practicals oversee smooth functioning of academic processes.

Exit feedback is taken from outgoing TY students.

The College undertook four audits : Academic (10-11 June, 2016), Administrative (21<sup>st</sup> June, 2016), Green ( 18-19 July, 2016) and Gender (15 Dec).

**6.5.3 Does the institution provide training to its staff for effective implementation of the Quality assurance procedures? If 'yes', give details enumerating its impact.**

Since 2012.

Workshops are held for training teaching and non-teaching staff in using Excel, MIS software, functioning of college app, etc.

A programme in Association with TISS was conducted for better mentoring.

Sessions with professionals like ShekarKaza, HR Director of Crisil, on challenges in the changing world for teachers and educators. Joint sessions with Jai Hind College.

Sessions by former NAAC Peer Team members, PBAS, etc. Dr. M. Kurup, who has frequently been a NAAC Peer Team member, gave a talk on 'Parameters of the Third Cycle of Accreditation' during the joint seminar with Jai Hind College on the theme 'The Way Forward .... Exploring Excellence'.

Staff are sent to Faculty Development programs.

**6.5.4 Does the institution undertake Academic Audit or other external review of the academic provisions ? If 'yes', how are the outcomes used to improve the institutional activities ?**

Yes, the Academic Audit as well as other audits undertaken were : Academic (10-11 June, 2016), Administrative(21<sup>st</sup> June, 2016), Green (18-19 July, 2016) and Gender(15 Dec).The Team for academic audit commended the college for multi-faculty certificate, undergraduate, post-graduate, and research programmes in Arts, Science, Social Science and Professional areas. It also appreciated good learning resources of library, laboratory and ICT resources, high success rates in exams and provision of quality education to weaker sections in society.

Audits help to review performance. IQAC coordinator shared the feedback with the staff. Team members of the academic audit team gave feedback and had interaction with the staff immediately after the audit.

**6.5.5 How are the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?**

The Staff Council Meetings, department meetings with the Principal – Reports of these are submitted for external audits. Yearly reports for NAAC like AQAR reports are sent to regulatory authorities like the NAAC Office.

The College strictly implements the rules, regulations and policies of the government, university, UGC and DST. Internal audits or reviews help to take corrective action. NAAC guidelines and core values also guide College activities.

**6.5.6 What institutional mechanisms are in place to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?**

Teacher Assessment forms (TAQ, PBAS forms, HODs' confidential reports)

Feedback by students to the Heads of Departments. Issues are discussed at department meetings held regularly, meetings of department teachers with Principal.

Review results by the Board of Management and LMC.

Staff Council takes up issues and suggestions.

Feedback from parents on issues and challenges faced by students.

These measures bring into focus the teaching learning process and helps increased participation of teachers in College activities. It also creates awareness of new techniques to improve teacher skills.

**6.5.7 How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders?**

The Prospectus, the College magazine, the college website are instruments of communicating with various internal and external stakeholders.

Meetings are conducted with staff and the notices are put up for staff and students to communicate with them.

Students are given instructions during the orientation programme and through HODs' talks and via website and Whatsapp groups to pass instructions even off campus. Parents are informed through Parent-Teacher meetings.

Principal meets teaching and non-teaching staff regularly to inform and to take feedback of measures taken.

Convener of the IQAC gave a briefing to the Staff Council on the audits undertaken, she also met the BOM in March 2017.

***Any other relevant information regarding Governance:***

***Leadership and Management which the college would like to include.***

Meetings with College Management for future plans, interaction and feedback

Regular reports sent to the Board.

Students have sessions on quality in Orientation programmes and general sessions.

Non-teaching staff have separate sessions and training programmes.

The 2 teacher representatives of the members of BOM.

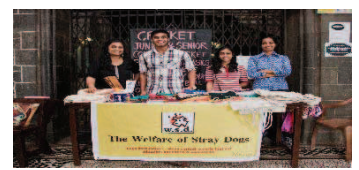
The BOM has a broad based composition drawing experts from the field of Education, Administration, Finance, etc.

In 2016-17 the Chairman of the BOM met the staff to discuss future plans and challenges.



# CRITERION 7

## INNOVATION AND BEST PRACTICES



## **CRITERIA VII - INNOVATIONS AND BEST PRACTICES**

### **Committee Members**

Ms. Shehernaz Nalwalla, IQAC & NAAC Coordinator

Ms. M. Philip and Ms. M. Gore (Co-Convenors)

Dr. S. Irani

Ms. J. Mascarenhas

Dr. B. Mehta

## CRITERION VII : INNOVATIONS AND BEST PRACTICES

### 7.1 ENVIRONMENT CONSCIOUSNESS

#### 7.1.1 *Does the institute conduct a green audit of its campus and its facilities?*

- Wilson College has traditionally been sensitive to environmental issues and conscious of its ecological responsibilities. Hence, several environmental related activities have always been a part of the college culture. However, in keeping with current environmental concerns, a Green Audit was conducted by Synergy Systems on 8<sup>th</sup> and 9<sup>th</sup> July 2016 for the College.

#### **The audit report commended the following practices of the College:**

- The maximum usage of natural light and ventilation.
- Water consumption is within norms and wastage is minimal.
- Waste management is effective—recycling of paper and e-waste. A compost pit takes care of bio-degradable waste. Plastic, glass, tetra packs etc. are also sent for recycling.
- Energy efficient computers and LCD screens are installed.
- Electronic communication minimises the use of paper.
- Double sided use of paper reduces unnecessary wastage.
- Drain water from the fountain is used to water the garden area.
- The use of air conditioners in the College is minimal, saves on electricity consumption.

#### **Recommendations:**

- Conventional ballast to be replaced by electronic ballast and LED bulbs to replace the old bulbs and energy efficient fans and air conditioners to replace the old.
- In certain areas of the College campus the air flow is to be improved as concentration of carbon dioxide was found to be on the higher side in those areas.
- Lighting in a few areas to be improved and walls to be painted white.
- To look into the reason for extremely high readings in some electrical meters.
- Low flow taps can replace the older taps.

#### **Action Taken Report:**

- Old air conditioners are being replaced by energy efficient new ones.
- The College is in contact with the BEST to change faulty electric meters.
- Old bulbs are being replaced by LED lights in a phased manner.
- Walls in classrooms are being painted white.

### 7.1.2 What are the initiatives taken by the college to make the campus eco-friendly?

- Energy conservation:
- Use of renewable energy
- Water harvesting
- Check dam construction
- Efforts for carbon neutrality
- Plantation
- Hazardous waste management
- E waste management

#### ***Energy conservation:***

- As per the suggestions of the Green Audit, the college intends to replace existing bulbs and tubes by LED ones in a phased manner.
- Teaching and non-teaching staff ensure that lights and fans are switched off in the department labs and classrooms when not in use. There is a main switch which allows that electrical supply off.
- The structure of the institution's building allows sufficient natural light and adequate ventilation. Thus the institution ensures the maximum use of natural air and light and this ensures minimal usage of air conditioners and electrical lights.
- All the labs are very well ventilated; in fact the microbiology and the bio technology departments do not use fans even during the practicals.
- The Microbiology and Biotechnology departments use the Aseptic Technique that is standardised with one burner and is used by one student instead of two, saving 50% of LPG.
- The Zoology department limits the use of aerators in fish tanks and uses aquatic plants for oxygenation.
- All departments instruct students to utilize resources judiciously. Routine precautionary measures are taken during practicals in laboratories and minimum discretionary use of water/electricity/devices is made.
- Small volumes of chemicals are used which require less gas for heating and less electric power in the centrifuge machine.
- Regular servicing of water pumps, gas pipelines and burners is carried out for better efficiency and to avoid leakages / wastage.
- Students use microwave techniques. Due to this heating time is reduced saving electric power as well as gas.
- Gas flow in science laboratories is carefully monitored by teachers to ensure minimum quantity needed for heating.

- Earth hour is a worldwide grass root movement uniting people to protect the planet. It is celebrated on every 29<sup>th</sup> March. The hostel encourages residents to observe the earth hour by shutdown of lights in their hostel rooms.
- The College, through its Nature Club, organizes various activities for creating awareness about energy conservation.

#### *Use of renewable energy*

The College has no final action plan in place on the use of renewable energy. However talks are underway to place solar panels on two of the college buildings. In the absence of this however, the Colleges takes care to reduce energy and water consumption in a conscious manner.

#### *Water harvesting*

As per the Green Audit Report water harvesting is not possible because of the institutions proximity to the sea.

#### *Check dam construction*

Since the college is in a metropolitan city, check dam construction is not applicable.

#### *Efforts for carbon neutrality*

Initial steps towards carbon neutrality is taken up through annual tree planting drives, maintaining and nurturing greenery in the college campus and bio-composting

#### *Plantation*

- The College campus is known for its green spaces. Faculty members take interest in beautifying and maintaining this. A garden committee is constituted every year for this purpose. Gardeners are employed to take care and maintain the green cover on campus.
- The Campus is rich with rare and diverse varieties of ornamental, local as well as medicinal plants ranging from shrubs to trees. The flora on campus is identified, labelled and taken care of.
- Tree plantation drives- Forests are seen as carbon sinks. Every year the Nature Club plants at least 500 saplings. In 2016, the count was more than 1000 saplings.

#### *Hazardous waste management*

The College follows the norms in disposal of hazardous waste.

- Laboratories are appropriately equipped to handle and dispose hazardous chemicals.
- Microbial and molecular biology generated wastes are neutralized as per protocol and discarded appropriately. Hazardous chemicals like ethidium bromide are neutralised and discarded using standard procedures. All cultures, blood containing vials, serum tubes are decontaminated using autoclave method.
- Biological waste is appropriately autoclaved after proper treatment and disposed. The Zoology department takes optimum care in discarding bacterial cultures by autoclaving used samples and then washing them with Dettol and disposing them. Ethidium bromide is neutralized with potassium permanganate. Blood and serum

samples as well as animal wastes and used needles are handled with utmost care using gloves to dispose them after washing with Dettol. These are then disposed separately in a container set aside for the garbage disposal handler.

- The Chemistry department uses inflammable solvents like ethanol and other alcohols, ethers, benzene and chloroform, but these are used in minimum amounts under strict supervision of teachers. Due to this, the amount of hazardous solvents (inflammable as well as carcinogenic) entering the effluents from the laboratory is minimised.
- Fumigation of laboratories is performed on a regular basis to avoid contamination.

#### *E Waste Management*

Through collaboration with Stree Mukti Sanghatna, E waste is disposed off in an ecologically responsible manner.

#### OTHER INITIATIVES

Green initiatives are carried out on several fronts: through academic, ecological activities and clean-up drives.

In order to educate and sensitise students and the staff, many academic initiatives are under taken on a regular basis.

- Environment is an important part of many syllabi. E.g. Botany, Zoology, Philosophy, Sociology, Microbiology, Chemistry and Foundation Course.
- The Botany department is involved in environment based research projects like solid waste management of landfill sites and organic farming, phytotoxicity studies, bio fertilizers.
- The Chemistry department has carried out projects on physio-chemical properties and heavy metal contamination of Powai Lake and heavy metal analysis in soil, sewage.
- Undergraduate and post graduate students of Microbiology and Biotechnology departments are actively involved in the projects of vermi composting with Nirmalaya from the Babulnath Temple complex and generation of electricity from industrial waste. Students are encouraged to take up for environment related projects for bio composting, vermicomposting and dye degradation studies.
- Lectures by eminent scientists are organized by all departments to create awareness regarding environmental issues and the measures to tackle them.
- The Botany department also discourages students to pluck/uproot plants for practical study purposes although it is an integral part of their learning programme. Instead they encourage students to take photographs of respective plants.
- The Microbiology department organised a National Symposium-‘Exploring the Environment: A Microbiological Approach’ on 5<sup>th</sup> Jan, 2013. A Colloquium on ‘Sensitisation on Environmental issues’ was organised on 26<sup>th</sup> July, 2016.



- The IQAC organised a series of lectures and activities revolving around the ecology on 13<sup>th</sup> August, 2013 were organised. It included a talk on Best from Waste with demonstrations, terrarium workshop, bottle gardens, nature treasure hunt
- The IQAC organised a seminar on ‘Greening and Sustainability: Re-visioning the Environment’ on 16<sup>th</sup> & 17<sup>th</sup> February, 2016. This included a seminar and a paper presentation competition for the students of UG and PG. This was sponsored by Pirojsha Godrej Foundation Industries and Godrej Locking Solutions and Systems.
- On 14<sup>th</sup> and 15<sup>th</sup> Feb 2017, several teachers and students’ participated in paper reading on the theme ‘Oikos: Our Home -The Planet Earth’. Students also participated in activities like sand sculpture, treasure hunt, creative waste recycling on the same theme. This was in association with the Bombay Natural History Society.

Wilson College has also initiated several activity-based Green Initiatives.

- Recycling collaborative initiatives:
  - With Stree Mukti Sanghatana for the recycling of paper and e-waste, bio-composting pit.
  - With RUR GreenLife Pvt. Ltd. India to reduce, reuse, recycle used tetra packs to provide books, benches and other materials to school children.
  - With Raddi Connect to recycle plastic, glass etc. This initiative also has a social outreach aspect as the equivalent monetary gain out of this collection is given to the Tata Memorial Cancer Hospital to provide shelter to outstation patients.
- All departments and the College office minimise the use of paper by double sided printing.
- Electronic communication is undertaken as far as possible.
- Study material is circulated in the form of PDF files to minimise use of paper.
- The Microbiology and Bio technology departments reuse plastic chemical bottles and glass chemical bottles after washing them. Old exam answer sheets are used for wrapping glassware during autoclaving and incubation. Thermocol boxes which come as chemical containers are recycled and used as ice boxes.
- The Chemistry department routinely uses unwanted paper to routinely weigh chemicals for experiments. The compounds prepared in one experiment are used as starting material for another experiment and also as table reagents after checking purity.
- The Zoology department has also taken several recycling initiatives. They reuse chemical bottles, glassware, cans, bottles, plastics after carefully cleaning and washing them. All samples of water are taken from the fish tank for various estimations to save both chemicals and water.
- Science departments minimize the usage of chemicals, which in turn reduces chemical effluents and pollution. They encourage students to do research projects involving green chemicals. Recovery of chemicals and recycling of chemicals in practical experiments is also practiced.

- Use of plastic on campus is discouraged.
- Nature Club has a special website [www.wcnc.in](http://www.wcnc.in) and a Facebook page <https://m.facebook.com/groups/2428268047> for wider interaction.
- Nature Club organises several workshops in recycling and making/organising best from waste.
- Nature Club of Wilson College has banned the use of non-bio degradable material like thermocol in any Nature Club exhibitions or communications since 1996. They do not use disposables like plates, packaged water during any of their treks, functions etc. Regular sessions are held on saving water, electricity and not wasting food. It is also active in activities related to planting and desilting.
- An active effort is made to preserve the biodiversity of bird life.

The institution has collaborated with Conserve Sparrow population with Nature Forever Society by installing birdfeeders in the College campus. Also the College maintains a few birdfeeders which are sold or given away as token of appreciation to students and staff who are interested in saving sparrows. Nearly 50 birdfeeders are distributed among staff and students. This has resulted in a substantial increase in the sparrow population on the campus.

- The College has eliminated the use of floral bouquets in most college functions

#### **Cleaning Drives –**

Initiatives like Swachh Bharata Abhiyaan has been adopted by the college and a pledge to that effect has been taken by staff and students. Wilson College has adopted the Charni Road station for cleanliness and upkeep as part of the Swachh Bharat Abhiyan The College not only assumes responsibility of maintaining and beautifying the station but also undertakes initiatives is spreading awareness on importance of a clean city through plays and musical performances. The Microbiology department from the College has checked the quality of water at the station.

- The Dirty Mumbaikar's campaign: A Cleanliness Drive Team followed has taken upon themselves to clean up the adjoining areas of the college premises. This initiative was supported by the Hindustan Times
- Students undertook an initiative of Scoop the Dog Poop Menace
- The Nature Club carried out clean up drives at Naneghat, Srivardhan, Tungareshwar, and the Nagla forest block of the Sanjay Gandhi National Park.

## **7.2 INNOVATIONS**

*Give details of innovations introduced during the last four years that have created a positive impact on the functioning of the college.*

The challenge for any institution is two-fold. While it is important to innovate, it is equally important to sustain certain healthy practices and to modify and tweak them as per the need of the hour. Keeping this in mind, innovations introduced earlier, were modified/ strengthened during this NAAC cycle. Further, Wilson College being



an old College, certain healthy practices which have been a part of our informal ethos, have now been institutionalised.

Several healthy practices are in keeping with the Mission and Vision statement, which in turn are consistent with the values envisaged by NAAC. These value added initiatives have led to overall excellence.

### **Examinations**

With the introduction of the Credit based Semester Grading System (CBSGS) in 2011 by the University of Mumbai, several changes were introduced at the College level to keep pace with the new system

- An Examination Room, along with CCTV was allocated for all exams related matters. Infrastructure for exam related work has been slowly enhanced.
- Outsourcing of results to speed up the declaration of results.
- On-line internal tests for uniform and speedy assessment. Unfortunately this highly successful practice had to be given up due to the changing pattern of internal assessment by the University.
- Since the credit system allows a more flexible timeline to complete the programme, a new roll number system which has the academic year a student is enrolled in a particular semester was introduced.
- Answer sheets now have instructions printed on par with University standards.

### **Academic Growth**

The College attempts to keep pace with the changing demands for various programmes.

- The Departments of Hindi and Microbiology got recognition as centres for research and 6 students registered for their doctoral studies in each of these departments
- The demand for traditional programmes has increased and the College has availed of the facility offered by the university to permit the enrolment of students exceeding the stipulated quota.
- The demand for more seats for both BMM and BMS has resulted in a second division for both these programmes.
- The first Commerce programme, Bachelor of Commerce in Accounting and Finance (BAF) was introduced in 2016-17.
- In 2016-17, MSc in Information Technology was introduced.
- Wilson College admits students from outside Maharashtra, especially from the north eastern states of India. Many of these students have not studied any of the second languages offered at Wilson College and as permitted by the University. As a result several students who opted for French or Hindi were actually studying these languages for the first time. Despite extra and remedial coaching many of these students continued to fail. Similar was the case of dyslexic students who had been permitted by their respective boards to drop a second language at the pre university level. The College then liaised with other colleges and the University. And as a result

students were permitted the study of a fourth optional subject instead of the second language.

### **Expanding Intellectual Horizons**

Under the banner of Expanding Intellectual Horizons, Advanced Learners participated in subject relevant Certificate Courses/ Lectures/ Seminars. They were also encouraged to participate in inter-collegiate academic festivals, attend public lectures and present papers.

### **Enrichment Lectures**

To expose students to move beyond classroom teaching, lectures relevant to the syllabus, but moving beyond the structured syllabus are organised. This helps in the horizontal growth of the students.

### **Thinkers' Forum**

The College regularly invites scientists, scholars, writers and intellectuals to address and interact with the staff and students. Several of our speakers hold distinguished chairs at universities abroad. Several of the lectures in this Forum are held in association with colleges across the city and also the University departments.

### **Good Citizenship Forum**

Along with academic growth, equally important is social and moral consciousness. Students are sensitised to social issues through inviting speakers to speak on contemporary issues that contribute towards good citizenship.

### **Institutional Social Responsibility**

Staff and students took an oath for ISR which focused on issues responding to crises situations and working towards social and environmental causes and concerns.

### **Certificate Courses**

Several certificate courses were introduced most often as collaborations with prestigious research/ technology-based institutes. These are directed towards employability and widening of academic horizons. Some of these courses like Local Culture and Heritage Management and Conservation have been conceptualised based on field visits and external experts.

### **Master Series**

The Master Class Series was started as a collaborative effort amongst The Wilson College, K.C. College, and St. Andrew's College for the subject of Film and Literature, optional paper IX of the T.Y.B.A. English Literature Syllabus. The aim of the Masterclass Series is: -

to provide extensive and uniform reference material over and above the syllabus to the T.Y.B.A. students of the three colleges, while also exposing them to talks, discussions, and workshops by industry and academic experts in the field in order to widen their knowledge and interest in the subject. The students are made to inculcate a spirit of research by way of presentations. The aim, is also to provide hands on experience through workshops so that Film and Literature paper becomes career oriented it is intended to be.

Duration: One event per college per semester. So that each college has two sessions per year. This also ensures that the students get to attend six sessions.

### **Field Visits**

During this cycle, the number and quality of field visits increased. For the first time the Political Science department took the TY students across regions of Maharashtra to study local self-governing bodies and local issues. Similarly industrial visits increased with the departments of Chemistry, Microbiology and Biotechnology now taking students for excursions and visits to industries across India.

### **Festivals**

Two student festivals with a difference were initiated: The Festival of Peace is an interdisciplinary fest for students of the Arts Faculty which focuses on social issues. The strong academic component of a seminar, students' paper presentations is supplemented by other co-curricular and cultural and sports activities. 'EC3: Care, Conserve and Create', a multidisciplinary fest for students of students of both Arts and Science faculties focuses on the Environment and Ecology and has a host of academic, co-curricular and extracurricular activities.

### **Curricular and Examination Feedback**

For the first time a feedback was taken from students on the syllabus, in terms of the coherence, knowledge content, applicability etc. Since the college does not frame the syllabi of the courses, this feedback was communicated to the respective Boards of Studies. Also feedback on the exam system was communicated to the appropriate authorities. This feedback on curriculum helps the College to gauge the expectations of the students and would be of assistance when new certificate courses are introduced.

### **Research**

Research has got a major impetus in the current NAAC cycle. Besides a huge incremental growth in number of projects, publications etc.

- The management has also started actively contributing to research by way of sanctioning seed money of Rs.50, 000/ for teachers' research and Rs.50, 000/ for students' research.
- UG projects by students of some departments
- UG students publishing papers
- Student are regularly presenting papers at seminars and often winning prizes.

### **Infrastructure enhancement for Academic pursuits**

- Internet access for students
- Barcoding of books has started
- Renovation of the St. Andrews House to accommodate self-financing courses.

## **BEST PRACTICE**

### **A**

#### **1. Title of the Practice:**

‘Wilson College History as Heritage’

#### **2. Goal**

The goal of academic and student centric activities is to achieve the core values of the College’s Mission Statement which is derived from the vision of the founding fathers in the 19<sup>th</sup> century:

‘To produce intellectually well-trained, morally upright, socially conscious and spiritually oriented men and women.’

The goals and values of the institution are passed on as heritage, and embodied in the learners through a large variety of activities and initiatives that the college has promoted over decades, and continues to execute. Specifically, the goal has been and continues to be:

To provide opportunities to learners to gain information/knowledge through a variety of sources, as well as gain experiential learning to equip them with a sound knowledge base on which they can build on through further studies.

To promote co-curricular and extra-curricular activities that discover and nurture new skills and abilities in learners that are useful in moulding them into employable professionals.

To develop values through talks, visits, social initiatives, cultural activities, etc, in learners to make them sensitive and aware citizens.

To ensure that learners are equipped with the latest soft skills that are valuable qualifications for their professional competencies. And to inculcate a strong sense of history and pride in being part of the larger family of Wilsonians.

#### **3. The Context**

Wilson College has had a long and glorious history in the field of education in Maharashtra. The contribution of the College and the founding fathers to the University, as well as the city of Mumbai has been significant. Founding fathers of the institution- Dr. John Wilson, Dr. D. Mackichan and Dr. H. J.Taylor were polymaths and role models.

With rapid changes in the field of education and the requirements for employability skills/demands of the work place /market/professions, academia has to adapt and adjust to make relevant and useful provisions for its student body.

College life and campus activity, is a fertile and momentous opportunity to provide a variety of inputs that contribute significantly to the recognition of talent, and overall development of the learners, thus providing a holistic and comprehensive student experience.

#### 4. The Practice

Concerted efforts are made to sustain and continue this traditional role by preserving the distinctive heritage of the institution and using it as a standard in defining the Vision of the College. Certain practises and initiatives taken up by the various committees of the College, help to promote the goals and values of the Vision and Mission of the College.

- All past records of the College including a handwritten Minute Book by Dr. John Wilson and Dr. Mackichan have been digitized and put into DVD format.
- The entire works of Dr. Wilson have been digitalized into two DVDs
- A biography entitled ‘Dugald Mackichan- Scholar, Educationist, Missionary’, edited by Shehernaz Nalwalla, was released on the occasion of the centenary celebrations of Mackichan Hall, which is one of the oldest hostels for boys in the city.
- The annual college magazine *The Wilsonian*, which has had uninterrupted publication for 108 years, has articles on various historical milestones and anniversaries of the College. These are featured in the main section, and inform and educate all stake-holders about the significance of the contribution of earlier educators to the cause of education.
- In the last few years major restoration of the main College building, Mackichan Hall, Pandita Ramabai Hostel, St. Andrew’s House and the Chapel was undertaken, as part of the preservation efforts. The renovation has preserved these structures, added to their aesthetic appeal and improved their functionality.

#### 5. Evidence of Success

There is a perceptible positive difference in the confidence levels, skills acquired and the academic graph of learners at the entry level and the exit point of their college life. Formal and informal student feedback is an indicator of this fact.

Alumni have reiterated the transformational role that the college, their respective departments and teachers, have played in enabling them to discover their talents and abilities, and to find a foot hold in the world outside. Often they have returned to college as resource persons/ guest lecturers/speakers, donors and sponsors as a gesture to give back to the institution.

#### 6. Problems Encountered and Resources Required

- Dropping attendance in college and low levels of motivation or lack of direction in learners, directly impacts the response to, and success of, student centric programmes.
- Since all student programmes and activities are self-financed, sufficient funds to organise and sustain these are a challenge. Sponsorship and funding is not consistent. Charging participation fees from learners as per requirement and costs, can be unaffordable and therefore a deterrent for participation.

- The academic calendar of the semester system, shortens the time line available to organise co-curricular and extra-curricular programmes that are of a slightly longer duration.

## **B**

### **1. Title of the Practice**

‘Inclusivity and Diversity: Individual Growth via Interaction with a Diverse Student Body.’

### **2. Goal**

The syllabi is often compartmentalized and learners are confined within the parameters of specific subjects, departments and college sub-cultures. Therefore co-curricular and extra-curricular activities provide an interdisciplinary forum for learners to develop social sensitivity, understanding of other cultures and mind sets. These promote inclusivity which is crucial to the progress and development of a pluralistic society.

Wilson College has always been unbiased in admitting learners, regardless of nationality, community, caste, class, sex or sexual orientation. It is equally important to inculcate a strong sense of unity in a diverse community of learners which has been an important characteristic of the College.

### **3. The Context**

Wilson College learners come from diverse social, cultural and economic backgrounds. Learners grapple with many personal and interpersonal issues, some of which are related to their disadvantaged backgrounds. Some are first generation learners, while others come from conservative backgrounds. Learners from the north east feel isolated and segregated because of their appearance and language. Over the last few decades the ratio of women to men, both as learners and faculty has inverted, thereby necessitating change in attitudes and practises within College and outside.

In an increasing global social, economic and political climate, where multi-national, inter-communal and mixed cultures are the norm, learners who might be insular, should be equipped to look at the world critically, think for themselves, and to ultimately develop life skills that help them to thrive outside the campus, where situations are in a flux. Therefore the institution retains a dynamic character and adapts to the needs of the student requirement and the job market through the introduction of new courses.

### **4. The Practice**

Wilson College has several practices that underscore the value of inclusivity, understanding and acceptance. These are listed below:

**Rainbow:** Wilson College has been a popular college of choice with the students from the northeast for several decades. Some of these students have resided in the three hostels and have enriched the cultural, sports and academic life of the College. Rainbow is a forum for the students of the northeast that was created in 1997, which, under the guidance of staff members, has been looking after the welfare of these

students informally. Their skills and talents are encouraged, and cultural integration and national unity values are ingrained through programmes on campus and outside. Most importantly Rainbow creates a feeling of solidarity among students and integrates them with the College at large. The group participates actively in cultural programmes that are organized on Independence Day and Republic Day every year, with traditional songs and dances. The committee organizes cultural events and visits to local places where they gain familiarity about places and people in Maharashtra. This helps these students in gaining confidence, develop leadership and organisational skills.

**Andrew's Vision Centre:** The Andrew's Vision Centre which was officially inaugurated in 2008 and was an initiative of St. Andrew's House Hostel, caters to the academic and other needs of visually challenged students, some of whom are from other colleges. The centre has state of the art ICT support which is provided free of cost for the students to use. The centre arranges for readers and writers for the students during exams. A special event called Third Eye is organized annually for visually challenged students across colleges, this unique festival spreads awareness about the difficulties faced by visually impaired people, and provide them a platform to showcase their talents and achievements. And equally enables people with normal vision to understand the difficulties of the visually challenged. The Andrews' Vision Centre helps students to comfortably complete their education and trains them in soft skills that strengthen their potential for employment.

**Hostels:** The College attracts students from distant suburbs, townships and other states because of its three hostels. These hostels provide opportunity for students to stay in a safe and academically conducive atmosphere, while learning many skills of managing themselves independently. Mackichan Hall houses 142 men residents, Andrews House accommodates 56 male residents and Pandita Ramabai Hostel houses 60 female students. Each hostel has its own warden who is responsible for the nurture, discipline and general well- being of their respective residents. Hostels have student committees that organise and execute extra- curricular activities through the academic year.

The hostels encourage sport activities, participation in inter collegiate and intra collegiate activities, and organize regular programmes for student development. All hostels have an annual prize distribution day at which residents receive awards for excellence in academic, sports and other aspects of personal development. Every hostel maintains its own website, and has an alumni network which helps to keep the link with previous residents.

**Nature Club:** The Club has several activities linked with significant academic content from science. It has student members from arts, science, management, BAF and Media departments. This is one forum from the inclusion and integration of students from different backgrounds and disciplines. Nature trails and camps are subsidised for students who cannot afford the cost of participation. Visits to different parts of the country- particularly remote regions and interaction with communities there, are valuable in sensitizing students to larger issues and problems, and in creating a feeling of inclusivity in terms of understanding and accepting others.

**Cooperative Education Society:** The Cooperative Education Programme brings together students from the arts and science streams, and has been a successful activity to create understanding and exchange of knowledge and ideas. Economically weak students who are selected for the programme, can have their fees subsidized or sponsored. Visually challenged students and those with language issues are accommodated, so that they can benefit from this unique programme.

### **5. Evidence of Success**

Students participation in co-curricular and extra-curricular activities ensures that shy students and marginalised groups get several and varied opportunities to showcase their abilities and talents, develop confidence, management and leadership skills, and build social networks on campus and develop confidence. College festivals and other activities provide a space to reduce all kinds of bias and prejudices among the student body. For example, students from rural areas in Maharashtra and the northeast, face a cultural shock and struggle with language barriers.

Teachers, mentors, the college counsellor, senior students and peers collectively and in different ways, help to ease adjustment issues. The hostels with their sub cultures, have remarkable instances of enabling their residents to gain confidence, feel integrated and overcome academic and other challenges. Students have testified this publically in speeches on Hostel Days and College Farewell Programmes.

Interactive sessions with students from the rest of India ensures that the northeast students feel accepted and supported and integrated with the College. The National days and cultural festivals create a cross cultural environment and context for all students, and allows for greater respect and understanding for diversity, pluralism and co-existence thus preparing them to adapt to blended cultures in the future.

A sense of belonging, and the perception of being stake holders is felt by alumni and ex-staff, who maintain contact with their departments and the institution. Alumni join as faculty, or come as guest speakers and resource persons. Many contribute through financial support for needy students and for other requirements.

### **6. Problems Encountered and Resources Required**

The problems encountered, sometimes don't have permanent and absolute solutions. For example, the heritage status of the college building restricts the construction of additional classrooms. Resource constraints have prevented the extension of infrastructure



## 7. Contact Details

<b>Name of Principal</b>	: Dr.V. J. Sirwaiya
<b>Name of the Institution</b>	: John Wilson Education Society's Wilson College
<b>City</b>	: Mumbai
<b>Pin Code</b>	: 400 007
<b>Accredited Status</b>	: CPGA 3.10 as on November 30 <sup>th</sup> , 2011 Yes. (Second Cycle)
<b>Work Phone</b>	: 022 4213 4301/02
<b>Fax</b>	: 002 4213 4304
<b>Website</b>	: <a href="http://www.wilsoncollege.edu">www.wilsoncollege.edu</a>
<b>E-mail</b>	: <a href="mailto:wilsoncollege.mumbai@gmail.com">wilsoncollege.mumbai@gmail.com</a> <a href="mailto:info@wilsoncollege.edu">info@wilsoncollege.edu</a>
<b>Mobile</b>	: 9819 433594



**Evaluative  
Reports  
of the  
Departments**

## Economics Department

1. *Name of the Department:* Economics
2. *Year of Establishment:* By 1913, the dept was well established.
3. *Names of programmes / Courses offered*

Sr. No.	Name of Programmes/Courses	Offered
1	U.G.	B.A.
2	P.G.	NIL
3	Ph.D.	NIL

4. *Names of Interdisciplinary Courses and the Departments/units involved:* A well structured workshop on “Quantitative Analysis for Social Sciences”, an IQAC Initiative, was designed and conducted jointly by the Departments of Economics and Physics.
5. *Annual/Semester/Choice Based Credit System (programme wise):*  
 UG: Credit Based Grading System; Semester System  
 Choice Based Credit System (From 2016 – 17)
6. *Participation of the Department in the courses offered by other departments:* NIL
7. *Courses in collaboration with other universities, industries, foreign institutions, etc :* NIL
8. *Details of Courses/Programmes discontinued (if any) with reasons:*

Investment Analysis (applied component taught at the SYBA) and Evolution of Economic Analysis (optional paper taught at the TYBA) were discontinued from the academic year 2012-13, with a member of the dept retiring and no fresh appointment being made to fill in the legitimate vacancy.

9. *Number of teaching posts:*

	Sanctioned	Filled
Professor	NA	NIL
Associate Professors	NA	01
Asst. Professors	04	01

10. Faculty profile with name, qualification, designation, specialization, D.Sc. / D.Litt. / Ph.D./ M.Phil. Etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Student Guided for the last 4 years
Ms. S. Pethe	MA, M.Phil.	Associate Prof.	Mathematical Eco. International Eco.	31 years	NIL
Dr. A. Masargupp i	MA.,M.Phil, Ph.D., (SET)	Assistant Prof.	Econometrics Growth Eco.	12 years	NIL

11. List of senior visiting faculty : NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty( Year-wise) :

	<u>UG</u>	<u>PG</u>
2016-2017	13.63	NA
2015-2016	13.63	NA
2014-2015	13.63	NA
2013-2014	13.63	NA
2012-2013	13.63	NA
2011-2012	----	NA

13. Student Teacher Ratio (Programme - wise)

F.Y.	S.Y.	T.Y.	M.Sc.
Optional Paper : 1:125	Optional Paper : 1:83 Applied Component : 1:23	1:15	NA

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled : NA

15. Qualifications of teaching faculty with D.Sc./D.Litt./Ph.D./M. Phil./PG:

Qualifications	No. of Teachers
Ph.D.	01
M. Phil.	01
M.A.	-

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:

Name of the faculty	Funding Agency (National/International)	Amount of Grants received
Dr. A. Masarguppi	Wilson College	Rs. 7000/-

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received : NIL

18. Research centre/facility recognized by the University

No
----

19. Publications:

- a. Publication per faculty
- b. Number of papers published in peer reviewed journals ( b1. national  
b2. international) by faculty and students.
- c. Number of publications listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- d. Monographs
- e. Chapters in Books
- f. Books edited Books with ISBN/ISSN numbers with details of publishers
- g. Citation Index
- h. SNIP
- i. SJR
- j. Impact factor
- k. h – index
- l. Conference proceedings
- m. Other

Faculty	a	b1	b2	c	d	e	f	g	h	i	j	k	l	m	n
Dr.A. Masarguppi	04	03	01	-	-	-	-	-	-	-	-	-	-	-	03

20. Areas of consultancy and income generated : NIL

21. Faculty serving in

- a) National committees : NIL
- b) International committees : NIL
- c) Editorial Boards : NIL

22. Student projects (Year wise) :

- Percentage of students who have done in-house projects including inter-departmental/programme : NIL
- Percentage of students placed for projects in organizations outside the institutions i.e. in Research laboratories/ Industry/other agencies : NIL

## 23. Awards /Recognitions received by

a) Faculty : NIL

b) Students : NIL

## 24. List of eminent academicians and scientists/visitors to the department

Years	Name of the eminent academicians
2016 - 17	-
2015 - 16	-
2014 - 15	-
2013 - 14	-
2012 - 13	Prof.(Dr) Abhay Pethe. Prof. Vibhuti Shukla Chair in Urban Economics, Univ Dept of Economics Mumbai University
2011 - 12	-

## 25. Seminars/Conferences/Workshops organized and the source of Funding:

Sr. No	Title of Seminar/ Workshop etc.	International / National/ state level/ Others	Date of the event	Organized by
1	One day inter-disciplinary seminar on 150 years of Das Kapital : Revisiting Karl Marx.	International Seminar	13 <sup>th</sup> August 2015	Wilson College and Private Sponsors
2	Workshop for Advanced Learners on “Contemporary Challenges in Politics” in collaboration with the Centre for the Study of Society and Secularism.	National Seminar	January 2016	Wilson College and Private Sponsors

## 26. Student profile programme/course wise: (Interdisciplinary programme)

Name of the Programme (refer to question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			Male	Female	
Quantitative Analysis for Social Sciences.	23	23	13	10	100%

27. *Diversity of students:* Refer 2.1.5

28. *How many students have cleared national and state competitive examinations such as*

a) NET: 02	b) SLET:NIL
c) GATE: NIL	d) Civil services: NIL
e) Defence services: NIL	f) Others: NIL

29. *Student progression:*

Student progression	Against % enrolled				
	2015 - 16	2014 - 15	2013 - 14	2012 - 13	2011-12
UG to PG	1.33%	1%	1%	1.33%	1.25%
PG to M.Phil.	NIL	NIL	NIL	NIL	NIL
PG to Ph.D.	NIL	NIL	NIL	NIL	NIL
Ph.D. to Post Doctoral	NIL	NIL	NIL	NIL	NIL
Employed					
• Campus selection	NIL	NIL	NIL	2%	NIL
• Other than campus recruitment	10%	10%	10%	20%	20%
Entrepreneurs / Self - employment	10%	15%	10%	20%	20%

These figures are approximate as per the information available.

30. *Details of Infrastructural facilities*

a) *Main Library:* 3791

b) *Departmental Library:*300

c) *Internet facilities for staff and students:* Available in the department.

d) *Class rooms with ICT facility:* Common Sharing Facilities.

e) *Laboratories:* Computer application sessions conducted in the computer laboratory.

31. *Number of students receiving financial assistance from college, university, government or other agencies:* Refer 5.1.2 and 5.1.3

32. *Details on student enrichment programmes (special lectures/workshops/seminar)with external experts*

- Public lectures/public debates on themes such as GST and its implications for

Maharashtra, FDI in India after Liberalization, an address by Arvind Subramanian on the Economic Survey.

- A well-structured workshop on "Quantitative Analysis for Social Sciences", conducted by the departments of Economics and Physics.
- Speakers offering career guidance in Economics and Finance (Insurance), careers in research in Economics, Teach India initiatives, and in the tourism sector (air travel).
- Development of soft skills-on how to use brain power effectively, on developing concentration skills, on goal setting and how to optimize performance at examinations.

*33. Teaching methods adopted to improve student learning:*

- Apart from the Chalk-Duster-Blackboard method(not to be undermined), the use of newspaper clippings, editorial columns is made to initiate discussions on current economic themes, thus encouraging students to understand , take a position on issues, try and make sense of government policy et al.
- Students are encouraged to make presentations, building up their confidence and enhancing their communication skills
- Films and documentaries.(whenever relevant are screened) Students are given real world themes to investigate , conduct market surveys and use statistical method to flesh out conclusions(Causes of school dropouts in Mumbai/ impact of Food Inflation and the Informal sector)
- Students are encouraged to read materials beyond the syllabus, beyond their prescribed texts , use reference materials from the library, use books which are lent by teachers from of their own ...
- Those of our students who are challenged learners (mainly visual) are provided with specially crafted study aids to facilitate understanding of diagrams. Those who are slow learners are given aid in the form of remedial coaching.
- Bridge lectures are conducted for students who switch from the Science Faculty to now study Economics. Lectures are also conducted on the Evolution of Economic Analysis and Nobel Prize Winners in Economics.
- All syllabi are consistently covered to equip students to take on the university examinations. Whilst the curriculum is being covered ,several cross-cutting issues(impact on the Environment of our actions –and the focus on getting students to Care, Conserve, Create) are also incorporated in the teaching process to ensure a comprehensive teaching of course matter.
- Visits to libraries (USIS, SNTD)are also organized.

*34. Participation in Institutional Social Responsibility (ISR) and Extension activities : NIL*



35. SWOC analysis of the department and Future plans:

Strengths:

Each student is special and deserving of our attention. We are aware of the potential that lies within each one –outside of their capacity to deal with the academic.

1. Approachability of members of staff
2. Mentoring of each student and the necessary and continual monitoring on a need basis.
3. Providing financial support to economically weaker students.

Weaknesses:

1. Need to get students to use our library facilities better.
2. Increase awareness of our students to the outside world of work – career opportunities that exist –rope in our alumni to interact with our students.
3. Greater use of technologically aided teaching methods.

Opportunities:

1. Student presentations helping to improve communication skills and honing up conceptual clarity.

Challenges:

1. To get students to use Library facilities better.
2. To get a 100% result at the TYBA exam.

Future Plans:

1. The dept will continue to hold special classes in quantitative techniques to enable our students to cope with the rigors of Economics at an advanced level.
2. To expose our students to the realities of the world of work. Towards this end we intend to rope in our alumni.

## English Department

1. *Name of the Department:* English
2. *Year of Establishment:* 1832
3. *Names of programmes / Courses offered (UG)*

Sr. No.	Name of Programmes/Courses	Offered
1	U.G.	B.A.
2	P.G.	NIL
3	Ph.D.	NIL

4. *Names of Interdisciplinary Courses and the Departments/units involved:* NIL
5. *Annual/Semester/Choice Based Credit System (programme wise):*  
 UG: Credit Based Grading System; Semester System  
 Choice Based Credit System (From 2016 – 17)
6. *Participation of the Department in the courses offered by other departments:* NIL
7. *Courses in collaboration with other universities, industries, foreign institutions, etc:*  
NIL
8. *Details of Courses/Programmes discontinued (if any) with reasons:* NA
9. *Number of teaching posts:*

	Sanctioned	Filled
Professor	NA	NA
Associate Professors	0	1
Asst. Professors	3	2

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./M.Phil. Etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Student Guided for the last 4 years
Ms. M. Philip	M.A. M.Phil. SET	Associate	Popular Culture, Film And Literature, and 20 <sup>th</sup> Century British Literature	23	NIL
Ms. V. Mathew	M.A. M.Phil. SET	Assistant	American Literature, Romantic and Victorian Literature	22	NIL
Ms. V. Bhonsle	M.A. M.Phil. SET	Assistant	Indian Literature, Renaissance Literature, and Literary Criticism	19	NIL

11. List of senior visiting faculty: NIL

12. Percentage of lectures delivered and practical classes handled by temporary faculty :

NIL

13. Student Teacher Ratio

F.Y.	S.Y.	T.Y.	M.Sc.
1:130 Optional Paper Com. Skills: 1:127	1:48 Optional Paper Applied Component: Mass Communication: 1:25 Business Communication: 1:25	1:11	NA

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: NIL

## 15. Qualifications of teaching faculty with D.Sc./D.Litt./Ph.D./M.Phil./PG:

Qualifications	No. of Teachers
Ph.D.	Nil
M.Phil.	3
M.A./M.Sc.	0

## 16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: NIL

## 17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received.: NIL

## 18. Research centre/facility recognized by the University

No

## 19. Publications:

- a. Publication per faculty
- b. Number of papers published in peer reviewed journals (b1. national b2. international) by faculty and students.
- c. Number of publications listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- d. Monographs
- e. Chapters in Books
- f. Books edited Books with ISBN/ISSN numbers with details of publishers
- g. Citation Index
- h. SNIP
- i. SJR
- j. Impact factor
- k. h – index
- l. Conference proceedings
- m. Other

Faculty	a	b1	b2	c	d	e	f	g	h	i	j	k	l	m	n
Michelle Philip	11	-	4	-	-	2	-	-	-	-	-	-	-	5	-
Rayner Almeida (Student)	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-

## 20. Areas of consultancy and income generated: NIL

## 21. Faculty serving in

- a) National committees: Nil
- b) International committees: Nil
- c) Editorial Boards: Nil

22. *Student projects (Year wise)*

- *Percentage of students who have done in-house projects including inter-departmental/programme: 2016-2017 – 6%*
- *Percentage of students placed for projects in organizations outside the institutions i.e. in Research laboratories/ Industry/other agencies: NIL*

23. *Awards /Recognitions received by*

- a) *Faculty: 1*  
b) *Students: NIL*

24. *List of eminent academicians and scientists/visitors to the department*

Years	Name of the eminent academicians
2016 - 17	Dr. John Drew (Poet and Tutor from Cambridge University) Dr. Rani Drew (Poet)
2015 - 16	Nil
2014 - 15	Emma Bird (British Academy Postdoctoral Research Fellow) Indranil Chakarvarty (Professor of Film Appreciation and Screenwriting at Whistling Woods International and FTII)
2013 - 14	Indranil Chakravarty
2012 - 13	Indranil Chakravaarti
2011 - 12	Laura Simms (Artistic Director of the Hans Christian Andersen Storytelling Center in NY)

25. *Seminars/Conferences/Workshops organized and the source of Funding:*

- a) *National: NIL*  
b) *International: NIL*

26. *Student profile programme/course wise: (Interdisciplinary programme):NA*27. *Diversity of students: Refer 2.1.5*28. *How many students have cleared national and state competitive examinations such as*

a) <i>NET: Data Not Available</i>	b) <i>SLET: Data Not Available</i>
c) <i>GATE: Data Not Available</i>	d) <i>Civil services: Data Not Available</i>
e) <i>Defence services: Data Not Available</i>	f) <i>Others: Data Not Available</i>

29. *Student progression:*

Student progression	Against % enrolled				
	2015 - 16	2014 - 15	2013 - 14	2012 - 13	2011-12
UG to PG	Nil	Nil	Nil	Nil	Nil
PG to M.Phil.	Nil	Nil	Nil	Nil	Nil
PG to Ph.D.	Nil	Nil	Nil	Nil	Nil
Ph.D. to Post-Doctoral	Nil	Nil	Nil	Nil	Nil
Employed • Campus selection • Other than campus recruitment	Nil	Nil	4	Nil	Nil
Entrepreneurs / Self employment	Nil	Nil	Nil	Nil	Nil

30. *Details of Infrastructural facilities*a) *Main Library:*b) *Departmental Library:* 800 Booksc) *Internet facilities for staff and students:* One computer with an internet connection and a printer available for staffd) *Class rooms with ICT facility:* Common Sharing Facilities.e) *Laboratories:* Not Applicable31. *Number of students receiving financial assistance from college, university, government or other agencies:* Refer 5.1.2 and 5.1.332. *Details on student enrichment programmes (special lectures/workshops/seminar) with external experts***2016 – 17****The Bard Beckons**

The English Department organized The Bard Beckons, a three-day festival to commemorate and celebrate the legendary contributions of Shakespeare. The festival was held on the 13<sup>th</sup> and 14<sup>th</sup> of December. The festival hosted talks and seminars conducted by Cambridge Scholars Dr. John Drew, poet and tutor and Dr. Rani Drew, poet and playwright. The festival opened with a keynote address by Dr. Kamal Jadhav and then on proceeded to a session with Dr. Rani Drew, later in the day Dr. John Drew conducted a sonnet writing workshop. The first day of the festival concluded with a theater workshop conducted by Dr. Rani Drew. On the second day of the festival Dr. Rani Drew spoke about her adaptations of Shakespeare's plays and also screened one of her adaptations of the plays. The festival ended with the concluding workshop for sonnet writing, conducted by Dr. John Drew. It was a self – funded activity.

**2015-2016**

The master class series was started as a collaborative effort of three city colleges, including Wilson in order to give students exposure to industry experts as well as a chance to share study material. The Master Class Series for 2015-2016 was conducted as follows:

- Professor Indranil Chakravarty delivered a lecture on Genre Theory: Reference to Auteur at The Wilson College on 29th September.
- Dr. Shefali Shah delivered a lecture on Genre and the Auteur Question on 2nd October.
- Dr. Shefali Shah delivered a lecture on Shakespeare's Adaptations at St. Andrews College at St. Andrews College on 2nd February.
- Dr. Shirin Vakil delivered a lecture on Satyajit Ray's Charulata at ST. Andrew's College on 29th February.

The department conducted a poetry writing workshop for the students with Ms. Rochelle Potkar as the resource person on 2<sup>nd</sup> April 2015.

*Digital storytelling* a workshop conducted by Prof. Subrata Dey, who had come for his research from the University of Adelaide on the 2nd July'15.

**2014-2015**

A joint initiative of the Departments of English of Wilson, K.C. and St. Andrew's Colleges begun in the previous academic year to share resources and learning was continued in this academic year. The sessions held this year were:

- Understanding Fantasy Films with reference to Alice in Wonderland at St. Andrew's College, Bandra.
- The Genre of the Musical sponsored by The American Library and held at National College, Bandra.
- De-constructing Ankur: A Structuralist Analysis, at Wilson College.
- Re-visiting Macbeth and Charulatha at St. Andrew's College, Bandra.

The Resource person for all four sessions was Prof. Indranil Chakarvarty, Head, Department of Scriptwriting, F.T.I.I. Pune. Guest Lectures were delivered by Emma Bird from Warwick University, U.K. on Understanding Poetry for F.Y.B.A. and on Indian English Poetry for S.Y.B.A. Students.

Geographies of the Heart: How 'Digital' is Transforming the Indian Immigrant Experience with speaker Jinal Shah-a digital strategist and observer of human behaviour was held on 30<sup>th</sup> May 2014.

Method in Madness: An Indo-Japanese Animation Funda, students had an opportunity to interact with Saigo No Shudan, a group of young Japanese Animators and Professor Sekhar Mukerjee, head of the Animation Department at Ahmedabad's National Institute of Design on 7<sup>th</sup> June 2014.

A Workshop on Goal Setting and Time Management was conducted for the T.Y.B.A. students by Counsellor Savita Tilak in January 2015 in collaboration with the Department of Sociology of our College.

**2013-2014**

The Departments of English of **Wilson College, K.C. College and St. Andrew's College** jointly organise the **Master Class Series** to bring subject experts in the field of Film Studies to the students. The students of all three colleges benefitted from these lectures as well as the resource sharing that was also initiated. This series was reported in the **Hindustan Times of 26th February, 2014, page 16, under the**

**heading, Beyond the Classroom** '. Indranil Chakravarty, faculty, Film and Television Institute of India, delivered the Keynote lecture at Wilson College, on Satyajit Ray's as Film Maker with special reference to his adaptation of Tagore's short story,

Ananya Parikh, faculty Symbiosis, talked about Approaches to the study of the film Ankur. Ritu Malkani, Graphotherapist, delivered a lecture on how students could understand themselves and change their lives through an understanding of their handwriting.

### **2012-2013**

Oscar Varghese, alumnus of the department, currently a freelance photographer, delivered a lecture on The Intricacies of Photography.

Indranil Chakravarti lectured on Film Appreciation

Bulbul Bhattacharji delivered her annual guest lecture on Devdas Revisited.

A Public Lecture was arranged and delivered by Prof Milind Rajore, graphologist, how to change your life through understanding yourself and others through your handwriting.

### **2011-2012**

Khaliq Parkar delivered a lecture on Cinematography on 17-8-2011.

Pallavi Pawar, Bombay Scottish School Faculty and Alumnus, talked on Understanding Poetry on 20-8-2011.

Sudhakar Solomonraj, Head of the Political Science Department delivered a lecture on Human Rights for S.Y.B.Sc. Students on 20-8-2011 and 24-8-2011.

Alumnus of Wilson College, Runcil Rebello, associated with Tata Interactive Services, delivered a lecture on Journalism to the Mass Communication Students and an interactive lecture on Never Judged a Book by its Film was held for TYBA student's on 11-2-2012.

Researcher, Akansha Virkar Yates spoke to T Y students on Modernism in 20th Century Verse on 20-1-2012.

Bulbul Bhattacharjee, Senior Accounts Manager with Air India delivered a lecture on Adaptations of Devdas on 4-2-2012.

Alumni Samarth Moray, working with Mumbai Mirror and Shona Dias working for The Times of India delivered a talk on Careers in Journalism to Mass Communication students. 7-2-2012.

Prof. Viji Subramaniam, Head, Department of English, Maharashtra College lectured to third year students on An Overview of the 20<sup>th</sup> Century Novel with reference to Catcher in the Rye, 10-2-2012.

The third and final phase of the Storytelling Workshop hosted by the Department of English, Wilson College, was held over four days from 10<sup>th</sup> to 13<sup>th</sup> of October, 2011. Laura Simms, world reknown storyteller from U.S.A. was the resource person for the workshop. Participants included media persons, writers, storytellers, teachers, post-graduate and under-grad students.

33. Teaching methods adopted to improve student learning:

Lecture method, Assignments, Projects, Film Screenings, Presentations.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:  
NIL



35. SWOC analysis of the department and Future plans:

Strengths:

1. Excellent student teacher ratio makes for effective interaction and management of class.
2. Interesting paper options provided to students to develop interest in the subject such as Film and Literature and Popular Culture.
3. Various curricular and co-curricular activities conducted for better learning experience.

Weaknesses:

1. Media facilities are limited therefore difficulty in keeping students abreast of new developments in the subject and interesting teaching/learning experience.
2. Curriculum and exam pattern does not provide scope for project/research based activity.
3. Not able to organize remedial courses for students not proficient in English.

Opportunities:

1. The Drama Club that helps students gain exposure to the art of theatre.
2. The Writers Block (Writing Club) that helps students enhance writing skills and also acts as a forum for other writing events.
3. Conducting festivals that helps students learn the process of organising events as well as participate and gain necessary exposure in the creative field.

Challenges:

1. To draw and sustain the interest of the students who opt for the subject but have no background or exposure to the subject.
2. To improve the language skills of the students so they are able to express themselves and the ideas about their subjects effectively.
3. Getting students motivated to participate in co-curricular and academic activities not linked to the syllabi and examination.

Future Plans:

1. The Department initiated a Post Graduate Programme in Film and New Media Production. However, due to lack of infrastructural and administrative support from the management, the course was cancelled.
2. Due to the above-mentioned reasons, the Department has not decided on any future plans.

## Hindi Department

1. Name of the Department: Hindi

2. Year of Establishment: 1955

3. Names of programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Sr. No.	Name of Programmes/Courses	Offered
1	U.G.	B.A. (Only till Second year)
2	P.G.	NIL
3	Ph.D.	Ph.D.

4. Names of Interdisciplinary Courses and the Departments/units involved : NIL

5. Annual/Semester/Choice Based Credit System (programme wise):

UG: Credit Based Grading System; Semester System

Choice Based Credit System (From 2016 – 17)

6. Participation of the Department in the courses offered by other departments : NIL

7. Courses in collaboration with other universities, industries, foreign institutions, etc : NIL

8. Details of Courses/Programmes discontinued (if any) with reasons : NIL

9. Number of teaching posts:

	Sanctioned	Filled
Professor	NA	NA
Associate Professors	NA	NA
Asst. Professors	01	01
Adjunct Professor	00	01

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./M.Phil. Etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Student Guided for the last 4 years
Dr.U. Ranawat (Retired in May,2015) (Appointed as a Adjunct Professor from 1 <sup>st</sup> July, 2015)	M.A. B.ED. Ph.D.	Associate Professor	Hindi Prose	38 years	06

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Student Guided for the last 4 years
Dr. S. Chaubey	M.A.B.ED. Ph.D.	Assistant Professor	Hindi Prose	01 year, 7 Months	NIL

11. List of senior visiting faculty : NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by

temporary faculty ( Year-wise) : NIL

13. Student Teacher Ratio (Programme - wise)

F.Y.	S.Y.	T.Y.	M.Sc.
Optional Paper: 1:30 Compulsory Language: 1:140	Optional Paper: 1:20	No T.Y.B.A (For Hindi)	NA

14. Number of academic support staff (technical) and administrative staff; sanctioned and

Filled : N.A.

15. Qualifications of teaching faculty with D.Sc./D.Litt./Ph.D./M.Phil./PG:

Qualifications	No. of Teachers
Ph.D.	01
M.Phil.	NIL
M.A./M.Sc.	NIL

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : NIL

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received. : NIL

18. Research centre/facility recognized by the University

Yes
-----

19. Publications:

a. Publication per faculty

b. Number of papers published in peer reviewed journals ( b1. National

b2. International) by faculty and students.

c. Number of publications listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

- d. *Monographs* e. *Chapters in Books*  
 f. *Books edited Books with ISBN/ISSN numbers with details of publishers* g. *Citation Index*  
 h. *SNIP* i. *SJR*  
 j. *Impact factor* k. *h – index*  
 l. *Conference proceedings* m. *Other*

Faculty	a	b1	b2	c	d	E	f	g	h	i	j	k	l	m	n
Dr. Usha Kirti Ranawat	03	01	0	0	01	01	01	03	0	0	0	0	0	0	0
Dr. Satyawati Chaubey	03	01	0	0	0	02	0	03	0	0	0	0	0	0	0

20. *Areas of consultancy and income generated* : NIL

21. *Faculty serving in*

- a) *National committees* : NIL  
 b) *International committees* : NIL  
 c) *Editorial Boards* : NIL

22. *Student projects* :

- *Percentage of students who have done in-house projects including inter-departmental/programme* : NIL
- *Percentage of students placed for projects in organizations outside the institutions i.e. in Research laboratories/ Industry/other agencies* : NIL

23. *Awards /Recognitions received by:*

- a) *Faculty*: NIL  
 b) *Students*: NIL

24. *List of eminent academicians and scientists/visitors to the Department*

Years	Name of the eminent academicians
2016 - 17	Mr. Anand Prakash Singh, Senior Radio Announcer Mr. Yuvraj Jain - Famous Poet Dr. Umeshchandra Shukla, Associate Professor and HOD, Hindi, M.D. College, Famous Poet and Gazalkar Dr. Praveehchandra Vist, Assistant Professor and HOD, Hindi, of R. N. Ruia College. Dr. ShitlaPrasad Dubey, Professor, HOD of K.C. College, Former BOS Hindi.
2015 - 16	Dr. Sudhakar Mishra. Famous Poet Ms. Sudha Arora, Eminent writer Dr. Sooryabala, Famous Writer

Years	Name of the eminent academicians
2016 - 17	Mr. Anand Prakash Singh, Senior Radio Announcer Mr. Yuvraj Jain - Famous Poet Dr. Umeshchandra Shukla, Associate Professor and HOD, Hindi, M.D. College, Famous Poet and Gazalkar Dr. Praveehchandra Vist, Assistant Professor and HOD, Hindi, of R. N. Ruia College. Dr. Shitla Prasad Dubey, Professor, HOD of K.C. College, Former BOS Hindi.
	Dr. Nirmala Tripathi, HOD Sophia College
2014 - 15	Dr. Shitla Prasad Dubey, Chairman of BOS in Hindi and HOD of K.C. College Dr. Pragya Shukla, Former Head of a College
2013 - 14	Ms. Susham Vedi, Eminent writer of New York, Professor in Colombia University Ms. Usha Raje Sexena, Eminent writer of United Kingdom. Dr. Sooryabala, Famous Writer Dr. Ramji Tiwari, Former HOD, University of Mumbai Dr. Karuna Shankar Upadhyay, HOD, University of Mum.
2012 - 13	Dr. Shitla Prasad Dubey, Chairman of BOS in Hindi and HOD of K.C. College Ms. Rohini Parulekar, Asst. Prof. & IT expert
2011 - 12	Dr. Shitla Prasad Dubey, Chairman of BOS in Hindi and HOD of K.C. College Dr. Manjula Desai, Former HOD K.C. College

25. Seminars/Conferences/Workshops organized and the source of Funding:

a) National : 01

b) International : 01

Sr. No	Title of Seminar/ Workshop etc.	International/ National/ state level/ Others	Date of the event	Organized by
1	Pravasi Aur Samkaleen Hindi katha Sahitya	International Seminar	06 January 2014	Wilson College & Private sponsors
2	Aadivasi Kendrit Hindi Sahitya	National Seminar	12 <sup>th</sup> &13 <sup>th</sup> September 2013	Wilson College & Sponsored by UGC

26. Student profile programme / course wise: (Interdisciplinary programme) : NA

27. Diversity of students : Refer 2.1.5

28. How many students have cleared national and state competitive examinations such as

a) NET:NIL	b) SLET: 02
c) GATE:NIL	d) Civil services:NIL
e) Defense services:NIL	f) Others:NIL

29. *Student progression: Hindi offered only till S.Y.B.A.*

30. *Details of Infrastructural facilities*

a) *Main Library: 2828*

b) *Departmental Library:86*

c) *Internet facilities for staff and students: Yes*

d) *Class rooms with ICT facility : Common Sharing Facilities*

e) *Laboratories : N.A.*

31. *Number of students receiving financial assistance from college, university, government*

*or other agencies: Refer 5.1.2 and 5.1.3*

32. *Details on student enrichment programmes (special lectures/workshops/seminar)with external experts*

<b>Special lectures/workshops</b>	<b>Name of the Faculty</b>
Poetry through Dramatisation	Mr. Nekentan Sharma and his group.
7 Billion Acts of goodness, Moral values, Leadership quality and	Dr. Sheker Kadam and his team.
Modern poetry	Dr. Sudhakar Mishra- Famous Poet
Modern Story	Dr. Sooryabala -Famous writer
Hasya vyang poetry	Mr. Yuvraj Jain - Famous Poet
Pravasi Sahitya	Ms. Susham Vedi, Eminent writer of New York, Professor in Colombia University
Pravasi Sahitya	Ms.Usha Raje Sexena, Eminent writer of United Kingdom.
Aadhunik Kahaniyaan	Ms. Sudha Arora, Eminent writer
Hindi Computing	Ms. Rohini Parulekar,Asst. Prof. & IT Expert
NET/SLET	Dr. Pragya Shukla, Former HOD of a College
Voice Modulation Workshop	Mr. Anand Prakash Singh - Senior Radio Announcer
Career Guidance	Dr. S.P. Dubey, Chairman of BOS in Hindi HOD of K.C. College,
Research Methodology	Mr. Aijt Rai. Asst. Prof. of K.C College

## Workshops for the students with external experts

1	A one day workshop on 'Translation and Hindi'	Regional level	21 <sup>st</sup> December, 2015	Wilson College & Central Fisheries Research Institute of Mumbai at Versova, Andheri.
2	A one day workshop on recording and editing in AIR	Regional level	16 <sup>th</sup> November, 2013	Wilson College & Akashwani Mumbai

33. *Teaching methods adopted to improve student learning :*

Question-Answer method, Group-Discussion, PPT Presentation, Dramatization.

34. *Participation in Institutional Social Responsibility (ISR) and Extension activities :*  
NIL35. *SWOC analysis of the department and Future plans:*Strengths:

1. Well Qualified Teaching faculty
2. 100% Result in UG
3. Our Students have good job opportunity in various sectors.

Weaknesses:

1. Less number of the students for optional Hindi paper
2. Sometimes poor attendance of the students
3. Hindi is not available at T.Y.B.A.

Opportunities:

1. Increase enrollment of students for optional Hindi paper.
2. Better placements.
3. To teach the students who are from different parts of India and also visually challenged students.

Challenges:

1. To encourage more students to take up Hindi language.
2. To generate interest in Hindi through various activities.
3. To prepare students for the competitive examination.

Future Plans:

1. If possible to start T.Y.B.A Class and M.A.
2. To commence a diploma program in translation.
3. To apply for major research projects.

## History Department

1. *Name of the Department:* History

2. *Year of Establishment:* 1836

3. *Names of programmes / Courses offered:*

Sr. No.	Name of Programmes/Courses	Offered
1	U.G.	B.A.
2	P.G.	NIL
3	Ph.D.	Till 2014

4. *Names of Interdisciplinary Courses and the Departments/units involved :* NIL

5. *Annual/Semester/Choice Based Credit System (programme wise):*

UG: Credit Based Grading System; Semester System

Choice Based Credit System (From 2016 – 17)

6. *Participation of the Department in the courses offered by other departments :* NIL

7. *Courses in collaboration with other universities, industries, foreign institutions, etc. :*  
The Department in collaboration with the Asiatic Society of Mumbai conducted a Certificate course in “Indian Scripts and Numismatics” from 26<sup>th</sup> July to 30<sup>th</sup> July.

8. *Details of Courses/Programmes discontinued (if any) with reasons:* Ph.D. or research programme discontinued because of the completion of the term of the research guide.

9. *Number of teaching posts:*

	Sanctioned	Filled
Professor	NA	NA
Associate Professors	NA	NA
Asst. Professors	02 + 1/2	02

10. *Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./M.Phil. Etc.,)*

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Student Guided for the last 4 years
Dr. B. Malhotra (Retired in 2014)	M.A., Ph.D D.H.E.	Associate Professor	History		NIL
Ms. A. Manerikar	M.A., B.Ed	Assistant Professor	History	06 years	NIL



Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Student Guided for the last 4 years
Ms. R. Chettiar	M.A.,M.Phil.	Assistant Professor	History	P.T.-15 yrs F.T.-2 yrs	NIL

11. List of senior visiting faculty : NIL

12. Percentage of lectures delivered and practical classes handled (programme wise by temporary faculty( Year-wise) :

	<u>UG</u>	<u>PG</u>
2016-2017	16%	N.A.

13. Student Teacher Ratio (Programme - wise)

F.Y.	S.Y.	T.Y.	M.Sc.
Optional Paper: 1:80 Foundation Course: 1:120	Optional Paper: 1:87 Applied Component: 1:20	1:17	N.A.

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled : N.A.

15. Qualifications of teaching faculty with D.Sc./D.Litt./Ph.D./M.Phil./PG:

Qualifications	No. of Teachers
Ph.D.	NIL
M.Phil.	01
M.A.	01

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : NIL

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received : NIL

18. Research centre/facility recognized by the University

No
----

19. Publications : NIL

20. Areas of consultancy and income generated : NIL

21. Faculty serving in

a) National committees : NIL

b) International committees : NIL

c) Editorial Boards : NIL

## 22. Student projects

- Percentage of students who have done in-house projects including inter-departmental/programme: NIL
- Percentage of students placed for projects in organizations outside the institutions i.e. in Research laboratories/ Industry/other agencies: NIL

## 23. Awards /Recognitions received by:

- a) Faculty : NIL  
b) Students : NIL

## 24. List of eminent academicians and scientists/visitors to the department

Years	Name of the eminent academician
2015 - 16	Dr. Bimal Malhotra-Former HOD of History Department
2013 - 14	Dr. Bimal Malhotra
2011 - 12	Dr. M.D. David – Ex.-HOD, History Department, Mumbai University

## 25. Seminars/Conferences/Workshops organized and the source of Funding:

- a) National : NIL  
b) International : NIL

## 26. Student profile programme/course wise: (Interdisciplinary programme): NA

## 27. Diversity of students: Refer 2.1.5

## 28. How many students have cleared national and state competitive examinations such as

a) NET: Data Not Available	b) SLET: Data Not Available
c) GATE: Data Not Available	d) Civil services: Data Not Available
e) Defense services: Data Not Available	f) Others: Data Not Available

## 29. Student progression:

Student progression	Against % enrolled				
	2015 - 16	2014 - 15	2013 - 14	2012 - 13	2011-12
UG to PG	N. A.	N. A.	N. A.	N. A.	N. A..
PG to M.Phil.	N. A.	N. A.	N. A.	N. A.	N. A.
PG to Ph.D.	N. A.	N. A.	N. A.	N. A.	N. A.
Ph.D. to Post-Doctoral	N. A.	N. A.	N. A.	N. A.	N. A.
Employed • Campus selection	NIL	NIL	NIL	01	NIL

Student progression	Against % enrolled				
	2015 - 16	2014 - 15	2013 - 14	2012 - 13	2011-12
• Other than campus recruitment					
Entrepreneurs/ Self employment	N. A.	N. A.	N. A.	N. A.	N. A.

30. *Details of Infrastructural facilities*

- a) *Main Library* : 5,053 books
- b) *Departmental Library* : 150 books
- c) *Internet facilities for staff and students* : Available in the library
- d) *Class rooms with ICT facility* : Common Sharing Facilities.
- e) *Laboratories* : N.A.

31. *Number of students receiving financial assistance from college, university, government or other agencies* : Refer 5.1.2 and 5.1.3

32. *Details on student enrichment programmes (special lectures/workshops/seminar)with external experts*

- Dr. Navniit Gandhi visiting faculty IGNOU and Amity University gave a lecture on Arab – Israeli conflict on 5<sup>th</sup> January 2016.
- Dr. Sonali Pednekar, HOD, Vaze College gave a talk on “Position of women during Maratha Period” as a collaborative lecture for Jai Hind and Wilson students on 12<sup>th</sup> February 2016.
- Dr. Navniit Gandhi visiting faculty IGNOU and Amity University gave a lecture on “India’s relations with neighbours”
- Dr Navniit Gandhi visiting faculty IGNOU and Amity University gave a lecture on ‘Changing contours of India’s Foreign Policy’ on 10th January, 2015.
- Dr. Bimal Malhotra gave a talk on the Mughal Era on 20th January, 2015.
- TYBA students attended a talk on ‘Vijayanagar Art and Architecture’ by Dr. Anila Verghese at Sophia College for Women on 1st August, 2016

33. *Teaching methods adopted to improve student learning:*

The faculty at the History department conducts class tests for periodic assessment of students. Teachers also resort to student centric methods of teaching such as syllabus related movie screenings, map study and PowerPoint presentations.

34. *Participation in Institutional Social Responsibility (ISR) and Extension activities:*

- Students visited Ashadaan, an old age home. The students informally interacted with the inmates and also exchanged gifts in October 2011.
- Students along with three professors visited the inmates of Ashadaan and

organized cultural program and games in December 2015.

35. *SWOC analysis of the department and Future plans:*

Strengths:

1. History department is the largest in terms of student strength in the Arts stream.
2. Special attention is given to the visually challenged students.
3. The department encourages the advanced learners to engage in extra reading of reference books, encourages them to participate in co-curricular activities, competitions, attend seminars and workshops.

Weaknesses:

1. The department lacks internet facilities which hinder research on syllabus related topics.
2. Lack of research
3. The department has not been able to organize a seminar on its own.

Opportunities:

1. Linkages with the bodies associated with the study and research in history for teachers and students.
2. Greater use of ICT in learning
3. Constant involvement of the alumni

Challenges:

1. Decrease in the number of students as well as quality of students.
2. Limited usage of ICT

Future Plans:

1. Plans for research
2. Organizing more student centric workshops and seminars
3. Conducting inter-collegiate seminars

## Marathi Department

1. Name of the Department: Marathi

2. Year of Establishment: 1861

3. Names of programmes / Courses offered

Str. No.	Name of Programmes/Courses	Offered
1	U.G.	B.A.
2	P.G.	NIL
3	Ph.D.	NIL

4. Names of Interdisciplinary Courses and the Departments/units involved : NIL

5. Annual/Semester/Choice Based Credit System (programme wise):

UG: Credit Based Grading System; Semester System

Choice Based Credit System (From 2016 – 17)

6. Participation of the Department in the courses offered by other departments : NIL

7. Courses in collaboration with other universities, industries, foreign institutions, etc: NIL

8. Details of Courses/Programmes discontinued (if any) with reasons: NIL

9. Number of teaching posts:

	Sanctioned	Filled
Professor	N.A.	NIL
Associate Professors	N.A.	NIL
Asst. Professors Retired (Till March 2015)	02	01

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./M.Phil. Etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Student Guided for the last 4 years
Dr. V. Tarkar (Retired on Feb 15)	M.A.,D.H.E. , Ph.D.	Assistant Professor	Marathi	11 years	NIL

11. List of senior visiting faculty : NIL

12. Percentage of lectures delivered and practical classes handled (programme- wise) by temporary faculty ( Year -wise) :

YEAR	UG	PG
2016-2017	100%	N.A.
2015-2016	44%	N.A.
2014-2015	44%	N.A.
2013-2014	44%	N.A.
2012-2013	44%	N.A.
2011-2012	44%	N.A.

13. Student Teacher Ratio (Programme – wise)

F.Y.	S.Y.	T.Y.
Optional Paper: 1:15 Compulsory Language: 1:38	Optional Paper: 1:9	NIL

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled : N.A.

15. Qualifications of teaching faculty with D.Sc./D.Litt./Ph.D./M.Phil./PG:

Qualifications	No. of Teachers
Ph.D.	01(till Feb.2016)
M.Phil.	NIL
M.A.	NIL

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : NIL

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received : NIL

18. Research centre/facility recognized by the University

No
----

19. Publications:

a. Publication per faculty

b. Number of papers published in peer reviewed journals (b1. national b2. international) by faculty and students.

c. Number of publications listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

- d. *Monographs* e. *Chapters in Books*  
 f. *Books edited Books with ISBN/ISSN numbers with details of publishers* g. *Citation Index*  
 h. *SNIP* i. *SJR*  
 j. *Impact factor* k. *h – index*  
 l. *Conference proceedings* m. *Other*

Faculty	a	b1	b2	c	d	e	f	g	h	i	j	k	l	m	n
Dr.V. Tarkar	01	0	0	0	0	0	0	0	0	0	0	0	0	0	0

20. *Areas of consultancy and income generated* : NIL

21. *Faculty serving in:*

- a) *National committees* : NIL  
 b) *International committees* : NIL  
 c) *Editorial Boards* : NIL

22. *Student projects:*

- *Percentage of students who have done in-house projects including inter-departmental/program:* NIL
- *Percentage of students placed for projects in organizations outside the institutions i.e. in Research laboratories/ Industry/other agencies:* NIL

23. *Awards /Recognitions received by:*

a) *Faculty:*

Dr. V.R.Tarkar:

1. 'Moreshwar Patwardhan Kavya Puraskar' for 'Baimansachya Saudnyetun'(poetry book) - 2014.
2. 'Ananta Kanekar Award' for 'Jaminila Teklele Aakash' (lalit gadya) - 2012.

b) *Students:* NIL

24. *List of eminent academicians and scientists/visitors to the department*

Years	Name of the eminent academicians/visitors
2016 - 17	NIL
2015 - 16	Mr. Deepak Velankar (voice guru) Mr.Subodh Jawdekar (writer, science-fictionist)
2014 - 15	Mr. Rajendra Patankar (compere, Interviewer) Mr.Chandrashekhkar Sanekar (poet, Gazalkar)
2013 - 14	Mr. Ashwin Bapat (journalist)
2012 - 13	Mr. K. B. Katake (retired district judge)

Years	Name of the eminent academicians/visitors
2016 - 17	NIL
2011 - 12	Mr. Prakash Akolkar, Mr.Hemant Desai (journalist)

25. Seminars/Conferences/Workshops organized and the source of Funding:

a) National:NIL

b) International:NIL

26. Student profile programme/course wise: (Interdisciplinary programme): NA

27. Diversity of students: Refer 2.1.5

28. How many students have cleared national and state competitive examinations such as

a) NET:NIL	b) SLET:NIL
c) GATE:NIL	d) Civil services:NIL
e) Defense services:NIL	f) Others:NIL

29. Student progression:

Student progression	Against % enrolled				
	2015 - 16	2014 - 15	2013 - 14	2012 - 13	2011-12
UG to PG	20%	33.33%	100%	16.66%	16.66%
PG to M.Phil.	NIL	NIL	NIL	NIL	NIL
PG to Ph.D.	NIL	NIL	NIL	NIL	NIL
Ph.D. to Post-Doctoral	NIL	NIL	NIL	NIL	NIL
Employed	NIL	NIL	NIL	NIL	NIL
• Campus selection					
• Other than campus recruitment	20%	33.33%	100%	16.66%	-
Entrepreneurs/ Self - employment	20%	-	-	16.66%	-

30. Details of Infrastructural facilities:

a) Main Library: 5307

b) Departmental Library: 441

c) Internet facilities for staff and students:In the library.

d) Class rooms with ICT facility: Common Sharing Facilities.

e) Laboratories: N.A.



31. *Number of students receiving financial assistance from college, university, government or other agencies:* Refer 5.1.2 and 5.1.3

32. *Details on student enrichment programmes (special lectures/workshops/seminar) with external experts :* NIL

33. *Teaching methods adopted to improve student learning:*

Interactive teaching method and remedial coaching. Screening of Marathi films and plays related to syllabus followed by discussion.

34. *Participation in Institutional Social Responsibility (ISR) and Extension activities:* NIL

35. *SWOC analysis of the department and Future plans:*

Strengths:

1. Interactive teaching method.
2. Discipline during preparation and performance of extracurricular activities.
3. Discipline and punctuality in carrying out departmental work.

Weaknesses:

1. Lack of research work by the faculty members.
2. Minimum use of Internet and Technology in teaching.
3. Dwindling numbers of students.

Opportunities:

1. Arrangement of workshops, talks to make students aware about carrier options in Marathi.
2. Encourage students to participate in extra-curricular activities in Marathi.
3. Encourage a student's creative and critical ability.

Challenges:

1. These days students taking Marathi are average. We coach them wherever possible to achieve 100% result.
2. Number of students opting Marathi in degree college is decreasing every year.
3. To equip students with linguistic proficiency in Marathi.

Future Plans:

1. To work on improving students in degree college for subject of Marathi.
2. To strengthen the programmes of Marathi Department.
3. To encourage students to take UPSC / MPSC exams.

## Philosophy Department

1. *Name of the Department* : Philosophy

2. *Year of Establishment* : 1836

3. *Names of programmes / Courses offered*

Str. No.	Name of Programmes/Courses	Offered
1	U.G.	B. A.
2	P.G.	NIL
3	Ph.D.	NIL

4. *Names of Interdisciplinary Courses and the Departments/units involved* : NIL

5. *Annual/Semester/Choice Based Credit System (programme wise):*

UG: Credit Based Grading System; Semester System

Choice Based Credit System (From 2016 – 17)

6. *Participation of the Department in the courses offered by other departments* : NIL

7. *Courses in collaboration with other universities, industries, foreign institutions, etc* :  
NIL

8. *Details of Courses/Programmes discontinued (if any) with reasons* : NIL

9. *Number of teaching posts:*

	Sanctioned	Filled
Professor	NA	NIL
Associate Professors	NA	03
Asst. Professors	04	01

10. *Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./M.Phil. Etc.,)*

Name	Qualification	Designation	Special-ization	No. of Years of Experience	No. of Ph.D. Student Guided for the last 4 years
Dr. H. Badkar	M.A., M.Phil., Ph.D.	Associate Professor	Philosophy	31	NIL
Ms. S. Nalwalla	M. A.	Associate Professor	Philosophy	29	NIL

Name	Qualification	Designation	Special-ization	No. of Years of Experience	No. of Ph.D. Student Guided for the last 4 years
Ms. R. Patel	M.A., M. Phil.	Associate Professor	Psychology	24	NIL
Dr. B. Mehta Rathi	M.A., M. Phil., Ph. D.	Assistant Professor	Philosophy	01	NIL

11. List of senior visiting faculty : NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty( Year-wise):

	<u>UG</u>	<u>PG</u>
2015-2016	16%	
2014-2015	26%	
2013-2014	6.5%	
2012-2013	6.5%	
2011-2012	6.5%	

13. Student Teacher Ratio

F.Y.	S.Y.	T.Y.	M.Sc.
Optional Paper: 1:52 Foundation Course: 1:94	Optional Paper: 1:54 Foundation Course: 1:120 Applied Component: i. Gandhism: 1:26 ii. Comparative Religion: 1:31 iii. Psychology of Adjustment: 1: 32	1:6	N A

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: NA

15. Qualifications of teaching faculty with D.Sc./D.Litt./Ph.D./M.Phil./PG:

Qualifications	No. of Teachers
Ph.D.	02
M.Phil.	01
M.A.	01

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: NIL

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: NIL

18. Research centre/facility recognized by the University

No
----

19. Publications:

a. Publication per faculty

b. Number of papers published in peer reviewed journals ( b1. national b2. international) by faculty and students.

c. Number of publications listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

d. Monographs

e. Chapters in Books

f. Books edited Books with ISBN/ISSN numbers with details of publishers

g. Citation Index

h. SNIP

i. SJR

j. Impact factor

k. h – index

l. Conference proceedings

m. Other

Faculty	A	b1	b2	C	d	e	F	g	h	i	J	k	l	m	n
Dr. H. Badkar	1	-	1	-	-	1	-	-	-	-	-	-	-	-	-
Ms. S. Nalwalla	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-
Ms. B. Mehta	2	1	-	-	-	-	-	-	-	-	-	-	-	1	-

20. Areas of consultancy and income generated : NIL

21. Faculty serving in:

a) National Committees: Ms. S. R. Nalwalla is an elected member of Managing Committee Asiatic Society of Mumbai. And also member of Public Lectures Committee, Mumbai Research Center, Modern Book Selection Committee. She is on the governing body of the K. R. Cama Oriental Institute.

b) International committees: NIL

c) Editorial Boards: NIL

22. Student projects

- Percentage of students who have done in-house projects including inter-departmental/programme: NIL

- Percentage of students placed for projects in organizations outside the institutions

*i.e. in Research laboratories/ Industry/other agencies: NIL*

23. Awards /Recognitions received by

a) Faculty: NIL

b) Students: Michael Moses stood first in the university in the subject of Philosophy (2014 – 15)

24. List of eminent academicians and scientists/visitors to the department

Years	Name of the eminent academicians
2016 – 17	1. Prof. Karl Ernst, Co Director, Carolina Centre for the Study of the Middle East and Muslim Civilizations. 2. Prof. Darius Cooper. Professor, Critical Thinking, Humanities and Film at San Diego Mesa College. 3. Prof. John Grey, former London School of Economics. 4. Prof. Akeel Bilgrami Sidney Mergenbesser, Professor of Philosophy, Committee on Global Thought, Columbia University.
2015 – 16	Prof. Lord Bhikhu Parekh. Political Theorist and Labour Member of House of Lords.

25. Seminars/Conferences/Workshops organized and the source of Funding:

2016 – 17

a) National

- In collaboration with the Department of Philosophy, University of Mumbai and Bombay Philosophical Society, Dr. Ookerjee Memorial Seminar was organized under which Dr. Zeenat Ali and Dr. S. M. Micheal, presented their views on the need for Inter – ferith Dialogue. Source of funding: Department of Philisophy, University of Mumbai and Private.

b) International

- An international seminar to commemorate World Philosophy Day, sponsored by ICPR on “Tagore’s notion of freedom” in which eminent speakers like Prof. Swati Joshi, Prof. Prabodh Parikh and the film maker Bhishm Pratim made their presentations. A film by Satyajit Ray, ‘Gahre Bahire’ based on Tagore’s Novel was screened and reviewed by Dr. Darins Cooper, Professor, Critical Thinking, Humanities and film at San Diego Mesa college, Source of funding : ICPR.

2015-2016

a) National:

- Dr. Ookerjee Memorial Seminar in collaboration with the Bombay Philosophical Society and the Dept of Philosophy, University of Mumbai on ‘Significance of the History of Philosophy: Indian and Western Contexts’. Source of funding: Department of Philisophy, University of

Mumbai and Private.

- Workshop for Advanced Learners, on Contemporary Challenges in Politics, in collaboration with the Centre for the Study of Society and Secularism International:

*b) International:*

- An International Seminar was organized in collaboration with the Department of Economics and Political Science on “150 Years of Das Kapital: Revisiting Karl Marx” Source of Funding: Private.

2014-2015

*a) National*

- Dr Ookerjee Memorial Seminar in collaboration with the Bombay Philosophical Society and the Department of Philosophy, University of Mumbai on Role and Future of Philosophy. Source of funding: Department of Philosophy, University of Mumbai and Private.

26. Student profile programme/course wise: (Interdisciplinary programme): NIL

27. Diversity of students: Refer 2.1.5

28. How many students have cleared national and state competitive examinations such as

<i>a) NET:</i> Data not available.	<i>b) SLET:</i> Data not available.
<i>c) GATE:</i> Data not available.	<i>d) Civil services:</i> Data not available.
<i>e) Defence services:</i> Data not available.	<i>f) Others:</i> Data not available.

29. Student progression:

Student progression	Against % enrolled				
	2015 - 16	2014 - 15	2013 - 14	2012 - 13	2011-12
UG to PG	35%	33%	67%	71%	10%
PG to M.Phil.	-----	-----	-----	-----	-----
PG to Ph.D.	-----	-----	-----	-----	-----
Ph.D. to Post-Doctoral	-----	-----	-----	-----	-----
Employed					
• Campus selection	-----	-----	-----	-----	-----
• Other than campus recruitment					

Student progression	Against % enrolled				
	2015 - 16	2014 - 15	2013 – 14	2012 - 13	2011-12
	29%	50%	16%	57%	28%
Entrepreneurs/ Self - employment	-----	-----	-----	-----	-----

30. *Details of Infrastructural facilities*

a) *Main Library:* 4474

b) *Departmental Library:* 854

c) *Internet facilities for staff and students:* Common in the library

d) *Class rooms with ICT facility:* Common Sharing Facilities.

e) *Laboratories :* NA

31. *Number of students receiving financial assistance from college, university, government or other agencies:* Refer 5.1.2 and 5.1.3

32. *Details on student enrichment programmes (special lectures/workshops/seminar)with external experts*

2016-17

- Lecture by Kaiwan Mehta on “Urban Planning and Social Environment”
- Lecture by Narendra Nayak on “Rationalism and Scientific Spirit”
- Lecture by Mahesh Shetty on “Scientific Knowledge: A Confluence of Cultures”
- Dr. Davinder Kans Bhasin, Head of the Department of Philosophy, Khalsa College on “Pleasures of Philosophy”.
- Ms. Noorjahan Peerzada an alumna of the Department of Philosophy, who is actively involved with Muslim Mahila Andolan, an NGO working for the rights of women, especially of the minority section.
- Ms. Savita Tilak, counsellor on Stress and Time management.

2015-16

- A Talk by Jerry Pinto on his experiences in translating Daya Pawar’s Baluta--- the first Dalit autobiography written in Marathi
- Dr. Amita Valmiki, Head, Dept. of Philosophy, Ramniranjan Jhunjhunwala College on Karl Jaspers: An Existentialist Approach to the Philosophy of Religion.

2014-15

- Mr. Ramu Ramanathan, on ‘Why is it so difficult to teach philosophy in the 21st century? An epistemological exploration, with a little bit of assistance from Socrates.’
- Jerry Pinto, on ‘Only words. Why language matters’.
- Dr. Trevor Allis, Head, Department of Philosophy, Sophia College on ‘The Political Philosophy of Nozick.’

2012-13

- A talk by prominent film personality Mr Boman Irani on ‘Listening to your Heart..... Following your Dreams’.
- An interactive session by Mr Abhijit Padte on J. Krishnamurti’s view on, ‘Why are you being educated?’
- Mr.Vivek Panchpande, alumnus of the department, on ‘The Relevance and Importance of Philosophy in Everyday Life’.
- Yousuf Saeed, an independent film maker spoke on ‘The Heritage of Amir Khusrau and Nizamuddin Aulia in South Asia’.
- Dr Geeta Shetty from St Xavier’s Institute of Education on ‘Transactional Analysis’

2011-12

- Dr. Ram Puniyani on ‘The Spirit of Tolerance in Indian Culture’,
- Dr. Ramkhok Raikan, a research scholar of philosophy associated with the department of philosophy, University of Mumbai on ‘Why I Love Philosophy’
- Fr. Lancy Prabhu from St. Xaviers College on ‘Zen Meditation Technique’.
- Prof. Nasir Jahagirdar on Cloning.

33. *Teaching methods adopted to improve student learning:*

- a. Field Visits
- b. Screening of films
- c. Presentations by students.
- d. Debates
- e. Encouraging students to take part in various inter-collegiate activities.
- f. Giving and analyzing newspaper / periodicals articles
- g. Map Reading

34 *Participation in Institutional Social Responsibility (ISR) and Extension activities:*NIL

35 *SWOC analysis of the department and Future plans:*

Strengths:

1. Only college in South Mumbai offering 6 papers of Philosophy.
2. Wide exposure for students to a variety of programmes conducted at the



University of Mumbai, city colleges, Asiatic Society of Mumbai and K.R. Cama Oriental Institute.

3. Teachers of the department are committed to the cause of inculcating the interest in philosophy among students.

Weaknesses:

1. The number of students majoring is small compared to the number at FY and SY levels
2. Very few students go for MA in philosophy
3. Not able to provide job opportunities

Opportunities:

1. With interesting curriculum, more interest can be generated among the students through co-curricular and extra-curricular activities.
2. Organizing inter-disciplinary programmes.
3. Increasing interaction with other colleges.

Challenges:

1. To be able to attract more students to major with Philosophy
2. To be able to create future academic careers for the students
3. To be able to create better employment opportunities for the students

Future Plans:

1. Organise National or International seminar in collaboration with other affiliated institutes or departments
2. Revive the departmental activity known as Philosophy Week
3. Relate some of the philosophical issues with real life situation and encourage students to take part in the ISR and extension activities

### **Political Science Department**

1. *Name of the Department* : Political Science.

2. *Year of Establishment* : 1850

3. *Names of programmes / Courses offered*

Str. No.	Name of Programmes/Courses	Offered
1	U.G.	B.A.
2	P.G.	-----
3	Ph.D.	-----

4. *Names of Interdisciplinary Courses and the Departments/units involved* : NIL.

5. *Annual/Semester/Choice Based Credit System (programme wise):*

UG: Credit Based Grading System; Semester System.

Choice Based Credit System (From 2016 – 17)

6. *Participation of the Department in the courses offered by other departments* : NIL.

7. *Courses in collaboration with other universities, industries, foreign institutions, etc* : NIL.

8. *Details of Courses/Programmes discontinued (if any) with reasons* : NIL.

9. *Number of teaching posts:*

	Sanctioned	Filled
Professor	NA	NA
Associate Professors	NA	02
Asst. Professors	02	---

10. *Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./M.Phil. Etc.,)*

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Student Guided for the last 4 years
Mr. S. Solomonraj	M.A., M.Phil.	Associate Professor	International Politics	34 years	NIL
Dr. S. Skariah	M.A., Ph.D.	Associate Professor	Public Administration	27 years	NIL

11. *List of senior visiting faculty* : NIL.

12. *Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty( Year-wise) : NIL*

13. *Student Teacher Ratio*

F.Y.	S.Y.	T.Y.	M.Sc.
1:75	1:45 Applied Component 1:30	1:8	NA

14. *Number of academic support staff (technical) and administrative staff; sanctioned and filled : NA*

15. *Qualifications of teaching faculty with D.Sc./D.Litt./Ph.D./M.Phil./PG:*

Qualifications	No. of Teachers
Ph.D.	01
M.Phil.	01
M.A.	00

16. *Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : NIL*

17. *Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received : NIL*

18. *Research centre/facility recognized by the University*

No
----

19. *Publications:*

a. *Publication per faculty*

b. *Number of papers published in peer reviewed journals (b1. national b2. international) by faculty and students.*

c. *Number of publications listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)*

d. *Monographs*

e. *Chapters in Books*

f. *Books edited Books with ISBN/ISSN numbers with details of publishers*

g. *Citation Index*

h. *SNIP*

i. *SJR*

j. *Impact factor*

k. *h – index*

l. *Conference proceedings*

m. *Other*

Faculty	a	b1	b2	c	d	e	f	g	h	i	j	k	l	m	n
Mr. Sudhakar Solomonraj	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
Dr. Sam Skariah	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

20. *Areas of consultancy and income generated : NIL*

## 21. Faculty serving in

- a. National committees : NIL.
- b. International committees : NIL.
- c. Editorial Boards : NIL.

## 22. Student projects:

- Percentage of students who have done in-house projects including inter-departmental/programme : NIL
- Percentage of students placed for projects in organizations outside the institutions i.e. in Research laboratories/ Industry/other agencies : NIL

## 23. Awards /Recognitions received by:

- a) Faculty : NIL.
- b) Students : NIL.

## 24. List of eminent academicians and scientists/visitors to the department

Years	Name of the eminent academicians
2016 - 17	John Grey, London School of Economics Michael Adraiolo, American Presidential Elections
2015 - 16	Dr. Daniel Drache, Professor and scholar from Canada Mr. Sanjay Kher, Lawyer
2014 - 15	NIL
2013 - 14	Vaibhav Purandhare, Author and Journalist
2012 - 13	NIL
2011 - 12	NIL

## 25. Seminars/Conferences/Workshops organized and the source of Funding:

Sr. No	Title of Seminar/ Workshop etc.	International/ National/ state level/ Others	Date of the event	Organized by
1	One day inter-disciplinary seminar on 150 years of Das Kapital: Revisiting Karl Marx.	International Seminar	13 <sup>th</sup> August, 2015	Wilson College and Private Sponsors
2	Workshop for Advanced Learners on “Contemporary Challenges in Politics” in collaboration with the Centre for the	National Seminar	January 2016	Wilson College and Private Sponsors

	Study of Society and Secularism.			
--	----------------------------------	--	--	--

26. Student profile programme/course wise: (Interdisciplinary programme) : NA

27. Diversity of students: Refer 2.1.5

28. How many students have cleared national and state competitive examinations such as

a) NET:NIL.	b) SLET:01
c) GATE:NIL.	d) Civil services:NIL.
e) Defence services:NIL.	f) Others:NIL.

29. Student progression:

Student progression	Against % enrolled				
	2015 – 16	2014 – 15	2013 – 14	2012 – 13	2011-12
UG to PG	50%	50%	100%	40%	30%
PG to M.Phil.	0	0	0	0	0
PG to Ph.D.	0	0	0	0	0
Ph.D. to Post-Doctoral	0	0	0	0	0
Employed	0	0	0	0	0
<ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>					
Entrepreneurs/ Self – employment	0	0	0	0	0

30. Details of Infrastructural facilities

a) Main Library: 110 books

b) Departmental Library: 125 Books.

c) Internet facilities for staff and students: One Departmental Computer with internet.

d) Class rooms with ICT facility: Common Sharing Facilities.

e) Laboratories: NA

31. Number of students receiving financial assistance from college, university, government or other agencies: Refer 5.1.2 and 5.1.3

32. *Details on student enrichment programmes (special lectures/workshops/seminar)with external experts : NIL*

33. *Teaching methods adopted to improve student learning:*

- Go beyond syllabus plug gaps, exposure to contemporary discourses.
- Use of maps, handouts and audio visual material.

34. *Participation in Institutional Social Responsibility (ISR) and Extension activities:*

2014 - 15

- Organized Ek Rang, a two-day cultural, culinary, educational exposure of about 14 states in India.

35. *SWOC analysis of the department and Future plans:*

Strengths:

- 1) Senior teachers with varied interests allowing for cross fertilization of ideas.
- 2) Access to a wide range of academic resources (books, magazines, journals).
- 3) Organize and participate in interdisciplinary initiatives.

Weaknesses:

- 1) Till 2016 both teachers also involved in other activities in the college so sometimes not enough time given to department co circular activities.
- 2) Not had major or minor projects.
- 3) Weak research orientation.

Opportunities:

- 1) Field of electoral studies.
- 2) Paper presentation by students.
- 3) Greater student based activities like MUN, mock parliament.

Challenges:

- 1) Ageing department inability to craft new courses.
- 2) Too much time spent in gestation.

Future Plans:

- 1) Collaborative studies on elections.
- 2) Revive the Political Science Association and make it a centre for student activities.
- 3) Organize national seminars on crucial but significant areas of political practice.

## Sociology Department

1. *Name of the Department:* Sociology

2. *Year of Establishment:* 1962

3. *Names of programmes / Courses offered*

Sr. No.	Name of Programmes/Courses	Offered
1	U.G.	B.A.
2	P.G.	NIL
3	Ph.D.	NIL

4. *Names of Interdisciplinary Courses and the Departments/units involved:* NIL

5. *Annual/Semester/Choice Based Credit System (programme wise):*

UG: Credit Based Grading System; Semester System

Choice Based Credit System (From 2016 – 17)

6. *Participation of the Department in the courses offered by other departments :* NIL

7. *Courses in collaboration with other universities, industries, foreign institutions, etc :*  
NIL

8. *Details of Courses/Programmes discontinued (if any) with reasons:* Anthropology at F.Y.B.A & S.Y.B.A level as optional paper was discontinued.

9. *Number of teaching posts:*

	Sanctioned	Filled
Professor	NA	NIL
Associate Professors	NA	01
Asst. Professors	04	01

10. *Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./M.Phil. Etc.,)*

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Student Guided for the last 4 years
Dr.S. Dewan	MA, M.Phil, Ph.D, Diploma in Distance Education (IGNOU) & DHE	Associate Professor	Sociology	30	NIL

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Student Guided for the last 4 years
Ms. M. Khambhawa	MA, M.Phil	Assistant Professor	Sociology	12	NIL

11. List of senior visiting faculty : NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty( Year-wise) : NIL

13. Student Teacher Ratio (Programme - wise)

F.Y.	S.Y.	T.Y.	M.Sc.
Optional Paper: 1:170 Foundation Course: 1:129 Compulsory Language: 1:36 (Anthropology)	Optional Paper: 1:100	1:9	NA

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled : NIL

15. Qualifications of teaching faculty with D.Sc./D.Litt./Ph.D./M.Phil./PG:

Qualifications	No. of Teachers
Ph.D.	01
M.Phil.	01
M.A./M.Sc.	-

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : NIL

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received : NIL

18. Research centre/facility recognized by the University

No
----

19. Publications:

a. Publication per faculty

b. Number of papers published in peer reviewed journals (b1. national b2. international) by faculty and students.

c. Number of publications listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)



- d. *Monographs* e. *Chapters in Books*  
 f. *Books edited Books with ISBN/ISSN numbers with details of publishers* g. *Citation Index*  
 h. *SNIP* i. *SJR*  
 j. *Impact factor* k. *h – index*  
 l. *Conference proceedings* m. *Other*

Faculty	a	b1	B2	c	D	e	f	g	h	i	j	k	l	M	n
Muneerah Khambhawala	-	-	-	-	-	-	-	-	-	-	-	-	-	01	-

20. *Areas of consultancy and income generated* : NIL

21. *Faculty serving in*

- a. *National committees* : NIL  
 b. *International committees* : NIL  
 c. *Editorial Boards* : NIL

22. *Student projects*

- *Percentage of students who have done in-house projects including inter-departmental/programme* : NIL
- *Percentage of students placed for projects in organizations outside the institutions i.e. in Research laboratories/ Industry/other agencies* : NIL

23. *Awards /Recognitions received by* :

- a. *Faculty* : NIL  
 b. *Students* : NIL

24. *List of eminent academicians and scientists/visitors to the department* : NIL

25. *Seminars/Conferences/Workshops organized and the source of Funding*:

- a. *National* : NIL  
 b. *International* : NIL

26. *Student profile programme/course wise: (Interdisciplinary programme)* : NIL

27. *Diversity of students*: Refer 2.1.5

28. *How many students have cleared national and state competitive examinations such as*

a. <i>NET</i> : NIL	b. <i>SLET</i> :NIL
c. <i>GATE</i> :NIL	d. <i>Civil services</i> :NIL
e. <i>Defence services</i> :NIL	f. <i>Others</i> :NIL

## 29. Student progression:

Student progression	Against % enrolled				
	2015 - 16	2014 – 15	2013 - 14	2012 - 13	2011-12
UG to PG	1%	1%	-	-	-
PG to M.Phil.	-	-	-	-	-
PG to Ph.D.	-	-	-	-	-
Ph.D. to Post-Doctoral	-	-	-	-	-
Employed • Campus selection • Other than campus recruitment	-	-	-	-	-
Entrepreneurs/ Self employment	-	-	-	-	-

## 30. Details of Infrastructural facilities

a. Main Library: 2559

b. Departmental Library: NIL

c. Internet facilities for staff and students: In the library

d. Class rooms with ICT facility: Common Sharing Facilities.

e. Laboratories: NA

31. Number of students receiving financial assistance from college, university, government or other agencies: Refer 5.1.2 and 5.1.3

32. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts

2016-17

A guest lecture entitled “Theories and Theorizing” by Prof Ramesh Kamble Associate Prof, Dept of Sociology, University of Mumbai, Kalina was arranged for T.Y.B.A students on 8<sup>th</sup> October 2016.

33. Teaching methods adopted to improve student learning:

- Subject/topic related videos, articles, newspaper reports- are reviewed and discussed in class.
- Regular class tests to comprehend their learning on a continuous basis.
- Group presentation and group discussions/debates.
- use of ppt to deliver lectures
- Encouraging students to participate in seminars/workshops related to their syllabus conducted within the college and outside.

34. *Participation in Institutional Social Responsibility (ISR) and Extension activities:*  
NIL

35. *SWOC analysis of the department and Future plans:*

Strengths:

1. Competent teachers committed to the primary roles (teaching, research & service to students, institution & community at large) as teaching faculty at the undergraduate level
2. The department provides strong support to the students to maximize their learning time, develop critical thinking skills and imbibe in-depth knowledge to the best of their abilities and the needs of the course
3. The department strives towards achieving student's progression through FY, SY & T.Y.B.A level.

Weaknesses:

1. Short of ICT facility in the department

Opportunities:

1. Conduct inter-disciplinary seminars/workshops/conferences to facilitate trans-discipline knowledge correlation
2. Avail UGC Research Grants for the department faculty
3. Boost in teaching/learning with the up-gradation of class-room infrastructure; smart boards

Challenges:

1. Restricted number of sanctioned posts circumscribes retrieval of closed down course/s.
2. Sustaining student's strength in the phase of declining appeal towards Humanities courses.
3. Improving student's attendance and class-room participation in the wake of extraneous diverting forces/factors.

Future Plans:

1. Increased participation in regional and national conferences to enhance our scholarship of teaching and learning of latest trends in times of rapid change and development
2. Organizing activities for the students to augment their scope for co-curricular participation
3. Collaborating with other departments and organizing inter-departmental workshops/seminars etc

## Biotechnology Department

1. *Name of the Department* : Biotechnology

2. *Year of Establishment* :2004

3. *Names of programmes / Courses offered*

Str. No.	Name of Programmes/Courses	Offered
1	U.G.	B.Sc.
2	P.G.	NIL
3	Ph.D.	NIL

4. *Names of Interdisciplinary Courses and the Departments/units involved* : NIL

5. *Annual/Semester/Choice Based Credit System (programme wise):*

UG: Credit Based Grading System (till 2015 – 16)

6. *Participation of the Department in the courses offered by other departments:*

Horticulture an applied component for T.Y.B.Sc. is common for students of Botany and Biotechnology. It is taught by the Botany department.

7. *Courses in collaboration with other universities, industries, foreign institutions, etc* :  
NIL

8. *Details of Courses/Programmes discontinued (if any) with reasons:*

Biotechnology has been discontinued at F.Y.B.Sc. due to change of subject pattern by the University of Mumbai.

9. *Number of teaching posts:*

	Sanctioned	Filled
Professor	NA	0
Associate Professors	NA	0
Asst. Professors	Sanctioned by the management	5

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./M.Phil. Etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Student Guided for the last 4 years
Ms. N. Jadhav Ferreira	M.Sc., B.Ed	Assistant Professor	Microbiology	2	-
Ms. P. Ganapathiraj	M.Sc., B.Ed	Assistant Professor	Biotechnology	2	-
Ms. A. Nair	M.Sc., SET	Assistant Professor	Microbiology	2	-
Ms. S. Alexander	M.Sc.	Assistant Professor	Life Sciences	1	-
Ms. R. Rane.	M.Sc.	Assistant Professor	Microbiology	1	-

11. List of senior visiting faculty : NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty( Year-wise) : NIL

13. Student Teacher Ratio (Programme - wise)

F.Y.	S.Y.	T.Y.
NA	1 : 27	1 : 25

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: 02 (Sanctioned by the management)

15. Qualifications of teaching faculty with D.Sc./D.Litt./Ph.D./M.Phil./PG:

Qualifications	No. of Teachers
Ph.D.	-
M.Phil.	-
M.Sc.	5

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : NIL

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received.: NIL

18. Research centre/facility recognized by the University

No
----

19. *Publications* : NIL

20. *Areas of consultancy and income generated* : NIL

21. *Faculty serving in*

a. *National committees* : NIL

b. *International committees* : NIL

c. *Editorial Boards* : NIL

22. *Student projects (Year wise)*

a. *Percentage of students who have done in-house projects including inter-departmental/programme:*

2015-2016 – 5%

b. *Percentage of students placed for projects in organizations outside the institutions i.e. in Research laboratories/ Industry/other agencies* : NIL

23. *Awards /Recognitions received by:*

a. *Faculty* : NIL

b. *Students* : NIL

24. *List of eminent academicians and scientists/visitors to the department*

Years	Name of the eminent academicians
2016 - 17	1. Dr. Samudravijay (Scientist, IIT Guwahati) 2. Dr. A. M. Deshmukh (Professor, Osmanabad University, Maharashtra)
2015 - 16	1) Dr. Samudravijay (TIFR Mumbai) 2) Dr. Ajit Datar (Bioanalyst from Shimadzu)
2014 - 15	1. Dr. Rosalind Marita (Ex-director Nicholas Piramal) 2. Dr. Manoj Mahimkar (Scientist, ACTREC) 3. Dr. Bosco Henriques (Director of Biodye India Pvt. Ltd.) 4. Dr. Vidita Vaidya (Scientist, TIFR) 5. Dr. V. Patrawale (Professor of Pharmaceutics, ICT) 6. Dr. Samudravijay (TIFR Mumbai)
2013 - 14	1. Dr. Samudravijay (TIFR Mumbai)
2012 - 13	2. Dr. S.K. Apte, BARC, Mumbai 3. Dr. S. Shivaji, Centre for Cellular and Molecular Biology (CCMB), Hyderabad 4. Dr. Archana Gayatri, Maharaja Sayajirao University of Baroda 5. Dr. Trupti Gokhale, Birla Institute of Technology & Science, Pilani, Dubai Campus 6. Dr. T. Satanarayana, University of Delhi, Delhi

Years	Name of the eminent academicians
2016 - 17	1. Dr. Samudravijay (Scientist, IIT Guwahati) 2. Dr. A. M. Deshmukh (Professor, Osmanabad University, Maharashtra)
	7. Dr. Samudravijay (TIFR Mumbai)
2011 - 12	1. Dr. Samudravijay (TIFR Mumbai) 2. Dr. B. J. Rao (TIFR Mumbai) 3. Dr. Ajit Datar (Bioanalyst from Shimadzu)

25. Seminars/Conferences/Workshops organized and the source of Funding : NIL

26. Student profile programme/course wise: (Interdisciplinary programme) : NA

27. Diversity of students: Refer 2.1.5

28. How many students have cleared national and state competitive examinations such as

a) NET : NIL	b) SLET : NIL
c) GATE : NIL	d) Civil services : NIL
e) Defence services : NIL	f) Others : NIL

29. Student progression:

Student progression	Against % enrolled				
	2015 - 16	2014 - 15	2013 - 14	2012 - 13	2011-12
UG to PG	95%	85%	88%	85%	80%
PG to M.Phil.	-	-	-	-	-
PG to Ph.D.	-	-	-	-	-
Ph.D. to Post-Doctoral	-	-	-	-	-
Employed	-	-	-	-	-
• Campus selection					
• Other than campus recruitment					
Entrepreneurs/ Self - employment	-	-	-	-	-

30. Details of Infrastructural facilities

a) Main Library: 2472 books related to Microbiology, Biotechnology & Life Science

b) Departmental Library: 450 books related to Microbiology, Biotechnology, Industrial Microbiology, Genetics, Immunology, Medical Microbiology.

- c) *Internet facilities for staff and students:* Internet and desktops are available in the department. There are 4 desktops and 1 laptop in the department.
- d) *Class rooms with ICT facility :* The department has 2 LCD projectors which are used by the staff regularly.
- e) *Laboratories:* The department has one well equipped laboratories with infrastructure and instruments.

31. *Number of students receiving financial assistance from college, university, government or other agencies :* Refer 5.1.2 and 5.1.3

32. *Details on student enrichment programmes (special lectures/workshops/seminar)with external experts*

#### 2016-17

- T.Y.B.Sc students visited NMIMS, Vile Parle on 30<sup>th</sup> November, 2016 and ‘The Advanced Centre for Treatment, Research and Education in Cancer (ACTREC)’ on 1<sup>st</sup> December, 2016 where they were introduced to the ongoing research in Biological Sciences.

#### 2015- 16

- T.Y.B.Sc students visited NMIMS, Vile Parle on 5<sup>th</sup> December, 2015 and ‘The Advanced Centre for Treatment, Research and Education in Cancer (ACTREC)’ on 3<sup>rd</sup> December, 2015 where they were introduced to the ongoing research in Biological Sciences.
- An initiative was taken by the department to organize a Colloquium on ‘Sensitization on Environmental Issues’ on the 26<sup>th</sup> July, 2015. Eminent environmentalists and researchers like Dr. H. Samant, Dr. S. Mishra, Dr. Ajith Gokhale and Dr. S. Chapekar were instrumental in spreading the awareness on environmental issues.

#### 2014-15

- A career guidance seminar ‘Crossroad 15’ was conducted on the 24<sup>th</sup> January, 2015 wherein eminent scientist, professionals from industries and academicians like Dr. S. Mangaokar, Dr. D. Sarnath, Dr. Menon, Dr. Deepak Charaborthy and Ms. P. Salunkhe discussed various job prospects for students after graduation and postgraduation.
- T.Y.B.Sc students visited NMIMS, Vile Parle and ‘The Advanced Centre for Treatment, Research and Education in Cancer (ACTREC)’ In December where they were introduced to the ongoing research in Biological Sciences.

#### 2013-14

- T.Y.B.Sc students visited NMIMS, Vile Parle and ‘The Advanced Centre for Treatment, Research and Education in Cancer (ACTREC)’ in November where they were introduced to the ongoing research in Biological Sciences.

#### 2012-13



- The department organized a National Symposium on ‘*Exploring the Environment- A Microbiological Approach*’ on 5<sup>th</sup> January, 2013 Eminent researchers and scientists like Dr. V. Patravale, Professor of Pharmaceutics from Department of Pharmaceutical Sciences and Technology, Dr. S.K. Apte, BARC, Mumbai, Dr S Shivaji, Centre for Cellular and Molecular Biology (CCMB), Hyderabad, Dr. Archana Gayatri, Maharaja Sayajirao University of Baroda, Dr. Trupti Gokhale from Birla Institute of Technology & Science, Pilani, Dubai Campus, and Dr. T. Satanarayana, University of Delhi, Delhi graced the occasion discussed the research in various areas of Science.
- The Third year B.Sc. and M.Sc Part II students visited various institutes like Monsanto, Institute of Bioinformatics and Applied Biotechnology and Sengenomics Laboratories at Bangalore as a part of IV from the 5<sup>th</sup>-11<sup>th</sup> November, 2012.
- T.Y.B.Sc students visited ‘The Advanced Centre for Treatment, Research and Education in Cancer (*ACTREC*)’ in December where they were introduced to the ongoing research in Biological Sciences.

#### 2011-12

- The department organized a one day “Career Guidance” session on the 17<sup>th</sup> December, 2011 by the Alumni who are well placed professionally in the industry, entrepreneurs, and researchers. This was followed by a session on opportunities for higher education at Glasgow University, UK.
- The Third year B.Sc. students visited various premier institutes like Centre for Cellular and Molecular Biology (CCMB), Central Food Technology Institute, International Crop research Institute for Semi-Arid tropics and Institute of Genetics at Hyderabad as a part of the IV from the 31<sup>st</sup> October to 5<sup>th</sup> November, 2011.
- The Second year B.Sc. students visited Bharat Serum and NCCS in Pune on the 15<sup>th</sup> and 16<sup>th</sup> of November, 2011.
- T.Y.B.Sc students visited ‘The Advanced Centre for Treatment, Research and Education in Cancer (*ACTREC*)’ in November, 2011 where they were introduced to the ongoing research in Biological Sciences.

#### *33. Teaching methods adopted to improve student learning:*

- Use of LCD Projectors.
- Use of video and animations to explain difficult concepts.
- Use of models
- Conducting MCQs and tutorial based exams
- Seminars and workshops on various biological science related topics.

*34. Participation in Institutional Social Responsibility (ISR) and Extension activities:*

2016-17

- School workshop was conducted on 10<sup>th</sup>-11<sup>th</sup> February, 2017 for students from schools around Wilson College.

2015-16

- School workshop was conducted on 11<sup>th</sup>-12<sup>th</sup> December, 2015 for students from schools around Wilson College.

2014-15

- School workshop was conducted on 2<sup>nd</sup> – 3<sup>rd</sup> January, 2015 for students from schools around Wilson College.

2012-13

- School workshop was conducted on 28<sup>th</sup>-29<sup>th</sup> July, 2012 for students from schools around Wilson College.

*35. SWOC analysis of the department and Future plans:*

Strengths:

1. Students intake is limited which aids to individual attention.
2. Students enrolling for the course are with higher percentage in HSc as compared to other courses.

Weaknesses:

1. Placement opportunities for students

Opportunities:

1. Campus placements
2. Research facilities available

Challenges:

1. Catering to students of diverse backgrounds and vernacular mediums

Future Plans:

1. Continue with quality research
2. Inviting scientists to discuss new research
3. The department is closing down with the last batch to be let out in 2017-18.

## **Botany Department**

1. *Name of the Department* : Botany Department

2. *Year of Establishment* : 1978

3. *Names of programmes / Courses offered*

Str. No.	Name of Programmes/Courses	Offered
1	U.G.	B.Sc.
2	P.G.	M.Sc. (By Research)
3	Ph.D.	Botany & Environmental Science

4. *Names of Interdisciplinary Courses and the Departments/units involved* : NIL

5. *Annual/Semester/Choice Based Credit System (programme wise):*

UG: Credit Based Grading System; Semester System

PG: Credit Based Grading System; Semester System

Choice Based Credit System (From 2016 – 17)

6. *Participation of the Department in the courses offered by other departments:*

Horticulture an applied component for T.Y.B.Sc. is common for students of Botany and Biotechnology. It is taught by the Botany department.

7. *Courses in collaboration with other universities, industries, foreign institutions, etc* : NIL

8. *Details of Courses/Programmes discontinued (if any) with reasons* : NIL

9. *Number of teaching posts:*

	Sanctioned	Filled
Professor *	NA	01(Till 18 <sup>th</sup> of Aug 2016)
Associate Professors	NA	01
Asst. Professors	06	04
Adjunct Faculty	00	01

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./M.Phil. Etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Student Guided for the last 4 years
Prof.Dr.S. A. Bhalerao (Till 18 <sup>th</sup> Aug, 2016) Appointed as Adjunct faculty thereafter	M.Sc., Ph.D.	Professor	Environmental Science	33	06
Ms. S. Kavarana	M.Sc., B.Ed.	Asso. Prof.	Plant Taxonomy & Horticulture	29	-
Ms. B. Konde	M.Sc., SET	Asst. Prof.	Environ. Bot. & Horticulture	17	-
Dr. Ajita Kumar	M.Sc., Ph.D., NET	Asst. Prof.	Tissue Culture	16	-
Dr. A. Chris	M.Sc., Ph.D.	Asst. Prof.	Plant Physiology	09	-
Dr. J. Knox	M.Sc., Ph.D.	Asst. Prof.	Plant Patho. & Genetics	05	-

11. List of senior visiting faculty : NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty( Year-wise) :

	<u>UG</u>	<u>PG</u>
2016-2017	Lecture (23%) Practical (13%)	NA

## 13. Student Teacher Ratio (Programme - wise)

F.Y.	S.Y.	T.Y.	M.Sc.
1:24	1:6	1:2	N.A.

## 14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

	Sanctioned	Filled
Lab Assistant	01	01
Attendant	01	01
Peon	-	-

## 15. Qualifications of teaching faculty with D.Sc./D.Litt./Ph.D./M.Phil./PG:

Qualifications	No. of Teachers
Ph.D.	04
M.Phil.	-
M.Sc.	02

## 16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:

Name of the faculty	Funding Agency (National/International)	Amount of grants received
Dr. J. Knox (Student Mentor)	Wilson College	Rs. 5,000/-

## 17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received. s: NIL

## 18. Research centre/facility recognized by the University :

Yes

## 19. Publications:

- a. Publication per faculty
- b. Number of papers published in peer reviewed journals (b1. national b2. international) by faculty and students.
- c. Number of publications listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- d. Monographs
- e. Chapters in Books
- f. Books edited Books with ISBN/ISSN numbers with details of publishers
- g. Citation Index
- h. SNIP
- i. SJR
- j. Impact factor
- k. h – index
- l. Conference proceedings
- m. Other

Faculty	a	b 1	b2	c	d	e	f	g	h	i	j	k	l	m	n
Dr. S. Bhalerao	7 6	-	73	-	-	-	-	-	-	-	-	-	-	0 3	-
Mrs. S. Kavarana	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mr. B. M. Konde	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dr. Ajita Kumar	0 3	-	03	-	-	-	-	-	-	-	-	-	-	-	-
Dr. A. Chris	1 4	-	04	-	-	-	-	-	-	-	-	-	-	-	-
Dr. J. Knox	1 0	-	10	01	-	-	-	-	68	1.375	0.56 4	1.94 3	0 5	-	-

20. Areas of consultancy and income generated : NIL

21. Faculty serving in

a. National committees : NIL

b. International committees : NIL

c. Editorial Boards: 01 - Dr. S. A. Bhalerao

Editor-in-Chief of 'International Journal of Environmental Sciences' (ISSN: 2249-2127), a peer reviewed research journal of environmental sciences, published by International Book House Pvt. Ltd., Mumbai.

22. Student projects (Year wise)

- Percentage of students who have done in-house projects including inter-departmental/programme : NIL
- Percentage of students placed for projects in organizations outside the institutions i.e. in Research laboratories/ Industry/other agencies : NIL

23. Awards /Recognitions received by:

a. Faculty : 02 (Dr. S. A. Bhalerao and Dr. Jai Knox.)

b. Students : NIL

24. List of eminent academicians and scientists/visitors to the department : NIL

25. Seminars/Conferences/Workshops organized and the source of Funding:

a. National : NIL

b. International : NIL

26. Student profile programme/course wise: (Interdisciplinary programme):NIL

27. Diversity of students: Refer 2.1.5

28. How many students have cleared national and state competitive examinations such as

a. NET:NIL	b. SLET:NIL
c. GATE:NIL	d. Civil services:NIL
e. Defence services:NIL	f. Others:NIL

29. Student progression:

Student progression	Against % enrolled				
	2015 - 16	2014 - 15	2013 - 14	2012 - 13	2011-12
UG to PG	-	-	27.27%	44%	-
PG to M.Phil.	-	-	-	-	-
PG to Ph.D.	37.5%	-	-	-	-
Ph.D. to Post-Doctoral	-	-	-	-	-
Employed • Campus selection • Other than campus recruitment	-	-	-	-	-
Entrepreneurs/ Self - employment	-	-	-	-	-

30. Details of Infrastructural facilities

- a) Main Library : Approx. 1061 books on Botany
- b) Departmental Library : Approx. 300 books
- c) Internet facilities for staff and students : Only for staff
- d) Class rooms with ICT facility : Common Sharing Facilities.
- e) Laboratories : 02

31. Number of students receiving financial assistance from college, university, government or other agencies: Refer 5.1.2 and 5.1.3

32. Details on student enrichment programmes (special lectures/workshops/seminar)with external experts : NIL

33. Teaching methods adopted to improve student learning: OHP, Audio- Visual, ICT and Bridge lectures.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: NIL

35. SWOC analysis of the department and Future plans:

Strengths:

1. Department is strongly involved in research activities through Ph. D. guidance.
2. Department has well equipped laboratories for the undergraduate and Ph. D. students.
3. Under applied component of Horticulture and Gardening, the department encourages students to develop the mindset and the skills of an entrepreneur through theory and practicals on food processing and preservation, and floriculture.

Weaknesses:

1. The Botany department lacks modern teaching aids like audio-visual systems which are important to enhance the quality of overall education in subjects like Botany.
2. It has the onus of dealing with several students at the S.Y.B.Sc. and the T.Y.B.Sc. class who have average and less than average marks in academics.
3. Shortage of ONE lab- attendant which affects smooth functioning of laboratory activities.

Opportunities:

1. For students to become potential entrepreneurs for small scale home units dealing with food preservation, mushroom cultivation and commercial floriculture.
2. Students may pursue research after graduation since the Botany department is recognized for the same.
3. To hold student cum subject centric activities eg. Guest lectures, competition and seminars.

Challenges:

1. To find alternative teaching aids till we are provided with modern teaching aids.
2. To adopt remedial measures to assist the learning process of academically weak students.

Future Plans:

1. To conduct workshops for students in subjects other than Botany in the following-
  - a. Food preservation techniques, b. Flower arrangement
2. To conduct intercollegiate competitions in-
  - a) Biorangoli
  - b) Flower arrangement
  - c) Botanical theme oriented poster presentation/collages
  - d) Biojewellery
  - e) Fruit and vegetable carving
3. To continue conducting bridge lectures



## Chemistry Department

1. Name of the Department : Chemistry
2. Year of Establishment : 1887
3. Names of programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Sr. No.	Name of Programmes/Courses	Offered
1	U.G.	B.Sc.
2	P.G.	M.Sc. (By Papers) M.Sc. (By Research)
3	Ph.D.	Ph. D

4. Names of Interdisciplinary Courses and the Departments/units involved : NIL
5. Annual/Semester/Choice Based Credit System (programme wise):  
 UG: Credit Based Grading System; Semester System  
 PG: Credit Based Grading System; Semester System  
 Choice Based Credit System (From 2016 – 17)
6. Participation of the Department in the courses offered by other departments : NIL
7. Courses in collaboration with other universities, industries, foreign institutions, etc : NIL
8. Details of Courses/Programmes discontinued (if any) with reasons : NIL
9. Number of teaching posts:

	Sanctioned	Filled
Professor *	NA	--
Associate Professors	NA	06
Asst. Professors	16	08
Adjunct faculty	00	01

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./M.Phil. Etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Student Guided for the last 4 years
Dr. V.J.Sirwaiya	M.Sc, Ph. D.	Principal	Organic Chemistry	30 Years	-

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Student Guided for the last 4 years
Dr. A. Amlani (Retired on 31-10-2014)	M.Sc, M.Phil, Ph.D., DHE	Associate Professor	Physical, Analytical Chemistry	40 Years	-
Dr. M.Tandel (Retired on 31-07-2016)	M.Sc, M.Phil, Ph.D., DHE	Associate Professor	Inorganic Chemistry	38 Years	-
Dr. M. Uchil	M.Sc., M.Phil, Ph.D., DHE	Associate Professor	Organic, Environmental	33 years	-
Dr. S. Irani (Retired in Nov 2017)	M.Sc., Ph.D., DHE	Associate Professor	Inorganic, Environmental, Ind. Chemistry	34 years	01
S. Borde	M.Sc., NET	Associate Professor	Organic Chemistry	30 Years	-
Dr. S. Bootwala	M.Sc., Ph.D. SET	Associate Professor	Inorganic Chemistry	20 years	01
Dr. S. Mhaske	M.Sc., Ph.D. NET, SET	Assistant Professor	Organic Chemistry	13 Years	-
Dr. H. Parbat	M.Sc., SET, Ph.D.	Assistant Professor	Physical, Analytical Chemistry	11 Years	--
Dr. A. Uzgare	M.Sc., M.Phil., Ph.D. SET, DCM	Assistant Professor	Biochemistry	09 Years	-
Dr. J. Masih	M.Sc., Ph.D	Assistant Professor	Organic Chemistry	06	--

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Student Guided for the last 4 years
M. Joseph (Resigned on 05-01-2016)	M.Sc , NET	Assistant Professor	Organic Chemistry	05	
Ms. H. Shaikh	M.Sc., NET., SET	Assistant Professor	Analytical Chemistry	02	--
K. Shinde	M.Sc., NET	Assistant Professor	Organic Chemistry	2 year	
Dr. A. Burange	M.Sc. , Ph.D, NET	Assistant Professor	Organic Chemistry	2 year	-
F. Thomson	M.Sc. , NET	Assistant Professor	Physical Chemistry	1 Year	–
Dr. D. Prabhu (Adjunct Faculty)	M.Sc., Ph.D.	Adjunct Faculty	Physical Chemistry	40 years	04

11. List of senior visiting faculty/ Adjunct Faculty : Dr. D. Prabhu

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty (Year-wise):

Year	UG (%)	PG (%)
2016-2017	24.9	NIL
2015-2016	21.4	NIL
2014-2015	21.5	NIL
2013-2014	21.5	NIL
2012-2013	19.13	NIL

13. Student Teacher Ratio (Programme – wise)

F.Y.B.Sc.	S.Y.	T.Y.	M.Sc.
1:20	1:20	1:20	1:20

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

Details	Sanctioned	Filled
Support Staff (Technical)	1) Lab Assistants - 03	Laboratory Assistants - 03
	2) Lab Attendants - 06	Laboratory attendants - 06
		02 Management appointees
Administrative staff	NIL	

15. Qualifications (highest) of teaching faculty with D.Sc./D.Litt./Ph.D./M.Phil./PG : (2016-17)

Qualifications	No. of Teachers (2016-17)
Ph.D.	11
M.Phil.	--
M.Sc.	04

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received-

Name of the faculty	Funding Agency (National/International)	Amount of grants received
Dr. J. Masih	MRP-UGC (National)	Rs.15,75,000/-
Dr. S. Bootwala	MRP-UGC (Minor)	Rs. 1,56,000
Dr. S. Bootwala	MRP-MU (National)	Rs. 25,000/-
Dr. H. A. Parbat	MRP-MU (National)	Rs. 30,000/-
Dr. A. S. Uzgare	MRP-UGC (National)	Rs. 30,000/-

Number of faculty with ongoing projects from Wilson College grants received

Name of the faculty	Amount of grants received
Dr. S. Bootwala	Rs. 10,000
Dr. S. Bootwala (Student Mentor)	Rs. 8,000/-
Dr. H. A. Parbat	Rs. 7,000/-

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received.: NIL

18. Research centre/facility recognized by the University

Yes

19. Publications:

a. Publication per faculty

b. Number of papers published in peer reviewed journals (b1. national b2. international) by faculty and students.

c. Number of publications listed in International Database (For e.g. Web of Science,

*Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)*

- |  |                             |
|--|-----------------------------|
| d. <i>Monographs</i>   | e. <i>Chapters in Books</i> |
| f. <i>Books edited Books with ISBN/ISSN numbers with details of publishers</i> | g. <i>Citation Index</i>    |
| h. <i>SNIP</i>   | i. <i>SJR</i>               |
| j. <i>Impact factor</i>  | k. <i>h – index</i>         |
| l. <i>Conference proceedings</i>   | m. <i>Other</i>             |

Faculty	a	b1	b2	c	d	e	f	g	h	i	j	k	l	m	n
VJS	02	02	-	-		2	-	-	-	-	-	-	-	-	-
DVP	01	15	-	-	-	3	-	978-93-5149-060-9	4 4	-	-	0.38	03	-	-
								978-93-8349-789-8				0.68			
								978-93-5149-357-0 0974-1496	-			1.038 (ISI)	-		
MHU	01	01	-			1	-	978-93-5025-725-9	-	-	-	0.38, 0.3,0. 68,0. 36,1. 038	-	-	-
SDI	02	-	2	-	-	-	-	0970-7077	-	-	-	0.36	-	4	-
SZB	06	--	06	-	-	3	-	978-93-5025-725-9	-	-	-	0.25, 0.47, 0.55, 0.54, 2.786 ,4.27 8,5.4 42	-	-	-
								978-93-5149-064-							

							7							
							978-93-5149-317-4							
HAP	01	01	-	-	-	-	05	13	-	-	0.38, 0.68.	02	01	-
							978-93-5149-325-9							
							978-93-5149-528-4							
							978-93-5149-569-7							
							978-93-5149-527-7							
							978-93-5149-527-							
JM	06		06	06			0048-9697	401			3.6	8		
							1464-0325				2.5			
							1680-8584				2.66			
							0360-1323				2.7			
							0975-7384				--			
							2210-6707				1.7			
							1680-8584				2.6			
							0976- 4402				--			
							2348-6848				3.5			

HQS	03		03	03				2277-7873				1.028 5			
								2277-7873				1.028 5			
								2319-7064				5.611			
KS	1	-	1					0975-7384				0.543			
ASB	02	-	02		-	3	-		-	-	-		5	-	

20. Areas of consultancy and income generated:

Areas of consultancy	Income Generated
Indoor, Outdoor, Air pollution studies	Rs. 15,00,000/- (Grant Sanctioned)

21. Faculty serving in

a) National committees:

- Dr. D. Prabhu, Gen. Secretary: Association of Chemistry Teachers (ACT)
- Dr. M.A. Tandel, Treasurer, Association of Chemistry Teachers
- Dr. M. H. Uchil, Member, Executive Council, Association of Chemistry Teachers

b) International committees : NIL

c) Editorial Boards : 01

22. Student projects (Year wise)

- Percentage of students who have done in-house projects including inter-departmental / programme:

2016-2017 - 05%

- Percentage of students placed for projects in organizations outside the institutions i.e. in Research laboratories/ Industry/other agencies:

2016-2017 - NIL

2015-2016 - NIL

2014-2015- 0.44%

2013-2014 - NIL

2012-2013 - NIL

2011-2012 – NIL

## 23. Awards /Recognitions received by:

a) Faculty: Dr. D. V. Prabhu has been awarded-

- “Best Chemistry Teacher” by Higher Education Forum, (India) (HEF) on September 13, 2014
- “International Life time Achievement Award for teaching” awarded by International Science Congress Association on December 8-9, 2014 at Pacific University, Udaipur.

b) Students:

- 2015-16: Ms. Steffi Gregory Fernandes of TYBSc (NCC) got the “Commendation Card” and “Silver Badge” from Director General Maharashtra NCC as BEST CADET for NAVAL NCC for the year 2015-16.
- In the year 2011-12, Ms. Sharon Braganza and Ms. Sarita Waugh of M.Sc. Part-II were awarded the prestigious “Single Girl Child Post- Graduate Indira Gandhi Scholarship” of Rs. 20,000/- per annum for two years by UGC and Ministry of HRD, Government of India for securing first class marks in first attempt in M.Sc. part-I.

## 24. List of eminent academicians and scientists/visitors to the department

Year	Name of the eminent academicians
2016 - 17	Dr. Tulsi Mukherjee, (ex-BARC), Dr. A D. Sawant, (ex-PRO VC, Mumbai University; VC, University of Jaipur)
2015 - 16	Prof. Dr. Suhas Pednekar, (Principal, Ruia College) Dr. Venkat Narayan, (Polymer Research Group, Johnson & Johnson, USA)
2014 - 15	Mr. Nikhil Kamat, (CEO, Fine Organic Chemicals Pvt. Ltd. Mumbai)
2013 - 14	Dr. Shyam Rele, Senior Scientist, National Institute of Allergies and Infectious Diseases- NIAID, (USA) Mr. Rajan Bahri, (Director, PSL Holdings Ltd.) Dr. Z R. Turel, (Former Head Nuclear Chemistry Department, Institute of Science, Mumbai) Dr. Holly Sheahan. (Business Development Manager, Royal Society Of Chemistry, London, U.K) Dr. Vibhuti Patel, (India Strategy Specialist, Royal Society Of Chemistry, London, U.K)
2012 - 13	Dr. Mobin Shaikh, IIT, Indore
2011 - 12	Alumnus Dr. Jitendra Joshi, Chief Technology Advisor, NASA, (HQ), Washington, USA. Dr. Probodh Chobe (General Manager, Development, BASF, Mumbai)



## 25. Seminars/Conferences/Workshops organized and the source of Funding:

a) National:

- “New Vistas in Chemistry” National Conference, organized by Chemistry Dept. Wilson College, along with Royal Society of Chemistry, London, Western India Chapter, on September 28, 2014, to commemorate 125 years of Department of Chemistry, Wilson College (Partially funded by RSC)
- Workshop on “Interpretation of Spectra of Inorganic Complexes for Advanced Learners”, on 18<sup>th</sup> February, 2016. Funding: Wilson College.
- Workshop on “Gateway to Success in CSIR-NET/SET/GATE” from 26<sup>th</sup> to 28<sup>th</sup> September, 2016. Funding: Wilson College.
- Instrumentation techniques and Spectral Interpretation workshop on 28<sup>th</sup> Feb to 1<sup>st</sup> March 2017 for P.G. Students. Funding: Wilson College.

b) International: NIL

26. Student profile programme/course wise: (Interdisciplinary programme) NIL

27. Diversity of students : Refer 2.1.5

28. How many students have cleared national and state competitive examinations such as

a) NET: NIL	b) SET: 01.
c) GATE: 01.	d) Civil services: NIL
e) Defence services: NIL	f) Others: NIL

## 29. Student progression:

Student progression	Against % enrolled				
	2015 - 16	2014 - 15	2013 - 14	2012 - 13	2011-12
UG to PG	55%	52%	48%	52%	60%
PG to M.Phil.	-	-	-	-	-
PG to Ph.D.	10%	12%	10%	20%	10%
Ph.D. to Post-Doctoral	No data available				
Employed • Campus selection • Other than Campus recruitment	No data available				
Entrepreneurs/ Self - employment	No data available				

30. *Details of Infrastructural facilities*

- a. *Main Library* : 2408 books
- b. *Departmental Library* : 300 books
- c. *Internet facilities for staff and students* : Yes ( 02 computers and 02 laptops and 1 LCD, 1 Printer)
- d. *Class rooms with ICT facility* : Common Sharing Facilities
- e. *Laboratories* : 05. (03 UG, 02 PG)

31. *Number of students receiving financial assistance from college, university, government or other agencies:* Refer 5.1.2 and 5.1.3

32. *Details on student enrichment programmes (special lectures/workshops/seminar)with external experts*

2016 - 17

- Organized a educational seminar on “Polymeric Materials” on 20<sup>th</sup> December 2016 on behalf of chemistry dept. The guest speaker was Dr. Rohitkumar Vohra from USA.

2015-16:

- Industrial Visit to Telios Pharmaceuticals, Himachal Pradesh, the students were exposed to technical lectures in frontier research areas in pharmaceutical chemistry.

2014-15

- Industrial Visit to “Fine Organic Chemicals Pvt. Ltd.” at Ambernath on 27-07-2014 (One Day). Technical lectures on ‘in-plant chemistry and safety and manufacturing technologies’.
- Industrial Visit to “Advanced Study Centre” and “Tempest Breweries” at Shimla from January 15 to 22, 2015. In-depth lectures on ‘Advanced technologies and the chemistry involved in wine-making’.

2012-13

- Industrial Visit to Delhi and Agra from August 21 to 26, 2012. They were exposed to Glass Chemistry and Chemical Treatment of Leather for Export Quality shoes, belts and bags. Students saw the use of Modern Sophisticated Spectral Instruments like FT-IR, UV-VIS Spectrophotometer, Polarimeter, Gas-Solid Chromatography, De-Ionisation of water, etc at DST-FIST Sponsored Post Graduate School of Chemistry at St. John’s College, Agra. They also visited the Main Research Library and Department of Environmental Studies at JNU, New Delhi. The students got a feel of Academic and Research Culture at IIT Delhi Campus.

33. *Teaching methods adopted to improve student learning:*

ICT based teaching using models in Organic, Inorganic and Physical Chemistry, cybernetics, smart boards, e-teaching.

34. *Participation in Institutional Social Responsibility (ISR) and Extension activities:*  
NIL

35. SWOC analysis of the department and Future plans:

Strengths:

1. The Chemistry Department has 05 labs
2. More than 75% of the teaching staff members are doctorate degree holders.
3. Four branches of Chemistry are offered to students at post-graduate level.

Weaknesses:

1. As three of the five labs in the Department are small, student intake number is restricted.
2. No Instrumentation room for sophisticated instruments like flame photometer, UV-visible, spectrophotometer, Nephelometer, Turbidometer, etc.
3. No strong bonds with alumni, industry and research facilities.

Opportunities:

1. To increase collaboration and consultancies.
2. To increase research facilities.
3. To be a centre of excellence for Chemistry teaching and research.

Challenges:

1. Managing large number of students in limited laboratory space.
2. Building up a strong relationship with our alumni in India as well as abroad
3. To start interdisciplinary/certificate courses.

Future Plans:

1. Increased number of student projects
2. Enhance research activities and apply for grants from different agencies
3. Collaborate with well-known research institutions.

## Computer Science Department

1. *Name of the Department* : Computer Science

2. *Year of Establishment* : 1999

3. *Names of programmes / Courses offered*

Sr. No.	Name of Programmes/Courses	Offered
1	U.G.	B.Sc. (CS)
2	P.G.	----
3	Ph.D.	----

4. *Names of Interdisciplinary Courses and the Departments/units involved* : NIL

5. *Annual/Semester/Choice Based Credit System (programme wise):*

UG: Credit Based Grading System; Semester System

Choice Based Credit System (From 2016 – 17)

6. *Participation of the Department in the courses offered by other departments:*

“Computer Application in Business” paper offered by BMS department is taught by computer science staff.

7. *Courses in collaboration with other universities, industries, foreign institutions, etc:*

Date / Duration	Name of Institution / Organisation	Purpose of Collaboration
JAN 2014	ZEN Technologies	Conducting 16 hour Certificate BASIC Course CSCU – Certified Secure Computer User
APR 2014	ZEN Technologies	Conducting 16 hour Certificate BASIC Course CSCU – Certified Secure Computer User
JULY 2014	ZEN Technologies	Conducting 16 hour Certificate BASIC Course CSCU – Certified Secure Computer User
OCT 2014	ZEN Technologies	Conducting 20 hour Certificate FOUNDATION Course in CSCU – Certified Secure Computer User
JAN 2016	EBTS–Enterprise Building Training Solutions LLP	Conducting 21 hour Certificate Course in SAP ABAP
APR 2016	EBTS	For teachers 6 - day workshop on Business Analytics

		and Presentation Techniques using MS Excel
APR 2016	EBTS	For students 20-hr Basic Analysis Techniques in MS Excel, under an IQAC initiative 'Expanding Intellectual Horizons'
Jan- Feb 2017	ATS Infotech	20 hour Microsoft certification training in C# & ASP.Net for SY & TY students

8. *Details of Courses/Programmes discontinued (if any) with reasons:*

Computer Science has been discontinued at F.Y.B.Sc. due to change of subject pattern by the University of Mumbai.

9. *Number of teaching posts:*

	Sanctioned	Filled
Professor	NA	--
Associate Professors	NA	--
Asst. Professors	(Sanctioned by Mgmt.)	02

10. *Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./M.Phil. Etc.,)*

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Student Guided for the last 4 years
Madhuri Sawant	M.Sc.	Asst. Professor	Computer Science	2.5 years	NIL
Javeria Ansari	M.Sc.	Asst. Professor	Information Technology	1 year	NIL

11. *List of senior visiting faculty : NIL*

12. *Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty( Year-wise) : NIL*

13. *Student Teacher Ratio (Programme - wise)*

F.Y.	S.Y.	T.Y.	M.Sc.
--	1 : 15	1 : 13	--

14. *Number of academic support staff (technical) and administrative staff; sanctioned*

and filled:

	Sanctioned	Filled
Lab Assistant	02	02
Lab Attendant	01	01
Peon	01	01
Clerk	01	01
Systems Administrator	01	01
Lab – in – Charge	01	01

All the above mentioned posts are sanctioned by the management.

15. *Qualifications of teaching faculty with D.Sc./D.Litt./Ph.D./M.Phil./PG:*

Qualifications	No. of Teachers
Ph.D.	--
M.Phil.	--
M.A./M.Sc.	02

16. *Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: NIL*

17. *Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: NIL*

18. *Research centre/facility recognized by the University*

No
----

19. *Publications : NIL*

20. *Areas of consultancy and income generated : NIL*

21. *Faculty serving in*

a. *National committees : NIL*

b. *International committees : NIL*

c. *Editorial Boards : NIL*

22. *Student projects (Year wise)*

a. *Percentage of students who have done in-house projects including inter-departmental/programme: 100% as a part of their syllabus.*

b. *Percentage of students placed for projects in organizations outside the institutions i.e. in Research laboratories/ Industry/other agencies: NIL*

23. *Awards /Recognitions received by :*

a. *Faculty : NIL*

b. *Students : NIL*

## 24. List of eminent academicians and scientists/visitors to the department :

Year	List of eminent academicians
2016 - 17	Prof.Venugopal Iyengar * Ms Lajvanti Sharma, Centre Head NIIT(Grant Road) Ms Vidya Pingle, Director, Impetus Consultrainers
2015 - 16	Prof.Venugopal Iyengar * Ms Lajvanti Sharma, Centre Head NIIT(Grant Road) Ms Sushma Barve, Director, Impetus Consultrainers
2014 - 15	Mr Samuel Zakariah, Director, CompuTrain
2013 - 14	Mr Saurabh Sisodiya, Regional Manager, EC-Council in India
2012 - 13	Head, Mahindra Special Services Group (Ethical Hacking Trainers)
2011 - 12	Mr Samuel Zakariah, Director, CompuTrain

## 25. Seminars/Conferences/Workshops organized and the source of Funding:

a. National : NIL

b. International : NIL

## 26. Student profile programme/course wise: (Interdisciplinary programme) : NA

## 27. Diversity of students: Refer 2.1.5

## 28. How many students have cleared national and state competitive examinations such as

a) NET: Data not available.	b) SLET: Data not available.
c) GATE: Data not available.	d) Civil services: Data not available.
e) Defence services: Data not available.	f) Others: Data not available.

## 29. Student progression:

Student progression	Against % enrolled				
	2015 - 16	2014 - 15	2013 - 14	2012 - 13	2011-12
UG to PG	3%	10%	10%	12%	10%
PG to M.Phil.	NIL	NIL	NIL	NIL	NIL
PG to Ph.D.	NIL	NIL	NIL	NIL	NIL
Ph.D. to Post-Doctoral	NIL	NIL	NIL	NIL	NIL
Employed					
• Campus selection	33%	13%	0%	3%	50%
• Other than campus recruitment	64%	72%	85%	80%	45%
Entrepreneurs/ Self - employment	5%	5%	5%	5%	5%

30. *Details of Infrastructural facilities*

- a. *Main Library*: 314 books
- b. *Departmental Library*: 313 books
- c. *Internet facilities for staff and students*: 3 Computers in Lab Admin area for staff and students with Internet connectivity. Coordinator's room has a computer with internet.
- d. *Class rooms with ICT facility*: From August, 2016, 3 IT classrooms have mounted overhead LCD projectors and CCTV cameras.
- e. *Laboratories*: 2 large spacious labs with 71 and 72 computers and a smaller lab with 28 computers having CCTV Cameras, mounted overhead LCD projectors and speaker systems.

31. *Number of students receiving financial assistance from college, university, government or other agencies*: Refer 5.1.2 and 5.1.3

32. *Details on student enrichment programmes (special lectures/workshops/seminar) with external experts* : NIL

33. *Teaching methods adopted to improve student learning*:

- Remedial Lectures for difficult topics.
- ICT Based Teaching along with use of chalk and board.
- Discussion Method.
- Role Play in Business Communication Class.
- Question Banks.
- Revisions Test on topics completed in previous lecture.
- Giving notes to students for reference.
- Assignments on Advanced programming techniques.
- Group presentations on topic given by teachers.
- Mini Projects in Database Interface and Connectivity for S.Y.B.Sc.(CS) Students.

34. *Participation in Institutional Social Responsibility (ISR) and Extension activities* : NIL.

35. *SWOC analysis of the department and Future plans*:

Strengths:

1. Good infrastructure.
2. Up to date main and department libraries.
3. Well equipped labs.



Weaknesses:

1. Student irregularity leads to poor performance
2. Research activity lacking.
3. Teacher attrition rate high, leading to constant training of manpower.

Opportunities:

1. Use of ICT more effectively in class.
2. Making student more industry ready by having certificate courses.
3. Doing more student centric activities to motivate them.

Challenges:

1. Falling TY strength
2. Students loosing focus of academics.
3. Other subject students becoming IT experts and competing in placement.

Future Plans:

1. Every teacher presenting a paper in a conference.
2. Organizing a state or a national level conference.
3. Improving overall results.

**Mathematics Department**

1. Name of the Department : Mathematics

2. Year of Establishment : 1836

3. Names of programmes / Courses offered

Sr. No.	Name of Programmes/Courses	Offered
1	U.G.	B.Sc
2	P.G.	NIL
3	Ph.D.	NIL

4. Names of Interdisciplinary Courses and the Departments/units involved : NIL

5. Annual/Semester/Choice Based Credit System (programme wise) :

UG: Credit Based Grading System; Semester System

Choice Based Credit System (From 2016 – 17)

6. Participation of the Department in the courses offered by other departments : NIL

7. Courses in collaboration with other universities, industries, foreign institutions, etc :  
NIL

8. Details of Courses/Programmes discontinued (if any) with reasons: NIL

9. Number of teaching posts:

	Sanctioned	Filled
Professor	NA	NIL
Associate Professors	NA	NIL
Asst. Professors	05	03

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./M.Phil. Etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Student Guided for the last 4 years
Mr. S. Pakhle	M.Sc. CSIR NET	Assistant Professor	Mathematics	23	NIL
Ms. J. Kurien	M.Sc M.Phil	Assistant Professor	Mathematics	21	NIL
Ms. K. Sirwaiya	M.A.	Assistant	Mathematics	20	NIL

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Student Guided for the last 4 years
(Rtrd on 19.5.2015)		Professor			
Ms. J. D'sa (Resigned in Nov 2017)	M.A. CSIR NET	Assistant Professor	Mathematics	03	NIL
Mr. M. Sadik	M.Sc.SET	Assistant Professor	Mathematics	02 years 6 months	NIL

11. List of senior visiting faculty : NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty( Year-wise) : NIL

13. Student Teacher Ratio (Programme - wise)

F.Y.	S.Y.	T.Y.	M.Sc.
1:25	1:17	1:5	N.A.

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled : N.A.

15. Qualifications of teaching faculty with D.Sc./D.Litt./Ph.D./M.Phil./PG:

Qualifications	No. of Teachers
Ph.D.	0
M.Phil.	01
M.A./M.Sc.	03

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : NIL

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received : NIL

18. Research centre/facility recognized by the University

No
----

19. Publications:

a. Publication per faculty

b. Number of papers published in peer reviewed journals (b1. national international) by faculty and students. b2.



28) How many students have cleared national and state competitive examinations such as

a) NET: Data not available	b) SLET: Data not available
c) GATE: Data not available	d) Civil services: Data not available
e) Defense services: Data not available	f) Others: Data not available

29) Student progression:

Student progression	Against % enrolled				
	2015 - 16	2014 - 15	2013 - 14	2012 - 13	2011-12
UG to PG	23%	0	8%	0	23%
PG to M.Phil.	NIL	NIL	NIL	NIL	NIL
PG to Ph.D.	NIL	NIL	NIL	NIL	NIL
Ph.D. to Post-Doctoral	NIL	NIL	NIL	NIL	NIL
Employed • Campus selection • Other than campus recruitment	NIL	NIL	NIL	NIL	NIL
Entrepreneurs/ Self – employment	NIL	NIL	NIL	NIL	NIL

30) Details of Infrastructural facilities

a) Main Library : 1666

b) Departmental Library : 312

c) Internet facilities for staff and students: One Desktop with internet facility available for student and faculty use in the department.

d) Class rooms with ICT facility : Common Sharing Facilities.

e) Laboratories : NIL

31) Number of students receiving financial assistance from college, university, government or other agencies: Refer 5.1.2 and 5.1.3

32) Details on student enrichment programmes (special lectures/workshops/seminar)with external experts

2012-13	Lecture on “Parasites – A step ahead” by Paramjeet Shetti, Wilson College
---------	---

33. Teaching methods adopted to improve student learning: Group discussions, presentations and assignments.

34. *Participation in Institutional Social Responsibility (ISR) and Extension activities :*  
NIL

35. *SWOC analysis of the department and Future plans:*

Strengths:

1. Departmental library has approximately 312 books on different topics in mathematics, related to syllabus and other than syllabus, available to students and staff.
2. Active student participation in Mathematics Society
3. Parent teacher meetings every semester

Weaknesses:

1. Lack in research activities
2. Academically weaker students
3. Lack of inter-department activities

Opportunities:

1. Incorporate ICT in classroom
2. Inter-department collaboration
3. Inter-college seminar/workshop

Challenges:

- a) Attendance of students
- b) Participation of students in extra-curricular activities
- c) Getting alumni to interact with students

Future Plans:

1. To conduct Mathematics Fest
2. Inter-college seminar/workshop
3. Introduce certificate courses.

## Microbiology Department

1. *Name of the Department:* Microbiology

2. *Year of Establishment:* 1961

3. *Names of programmes / Courses offered*

Str. No.	Name of Programmes/Courses	Offered
1	U.G.	B.Sc.
2	P.G.	M.Sc. (By Papers and Research)
3	Ph.D.	Microbiology

4. *Names of Interdisciplinary Courses and the Departments/units involved :* Nil

5. *Annual/Semester/Choice Based Credit System(programme wise):*

UG: Credit Based Grading System

PG: Credit Based Grading System

Choice based Credit System (From 2016-17)

6. *Participation of the Department in the courses offered by other departments:*

Some practical's related to Microbiology are conducted for the T.Y.B.Sc. students of Botany department every year.

7. *Courses in collaboration with other universities, industries, foreign institutions, etc:* The Institute of Pharmaceutical Education and Research (Pune) Pvt. Ltd. along with the Department of Microbiology has begun a part time 'Diploma in Pharmaceutical Quality Control and Quality Assurance Management (D.P.Q.C.Q.A.M)'. This is a 11 months course conducted every academic year since August 2012 (2012-13) till date.

8. *Details of Courses/Programmes discontinued (if any) with reasons :* Nil

9. *Number of teaching posts:*

	Sanctioned	Filled
Professor	-	01
Associate Professors	-	02
Asst. Professors	06	03

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./M.Phil. Etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Student Guided for the last 4 years
Dr. K. Aruna	M.Sc., Ph.D.	Professor	Microbiology Molecular Biology	29	05
Ms. A. S. Pendse	M.Sc.	Associate Professor	Microbiology	28	-
Ms. R. D. Birmole	M.Sc.	Associate Professor	Microbiology	25	-
Ms. M. R. Gore	M.Sc.	Assistant Professor	Microbiology	16	-
Mr. N. B. Jahagirdar (Not in Service from August 2015)	M.Sc.	Assistant Professor	Microbiology	06	-
Ms. J. Mascarenhas	M.Sc.	Assistant Professor	Microbiology	06	-
Ms. G. Gnanaseelan	M.Sc.	Assistant Professor	Microbiology	01	-

11. List of senior visiting faculty: N.A.

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty( Year-wise):

	<u>UG</u>	<u>PG</u>
2016-2017	49.23%	-
2015-2016	32.43%	-
2014-2015	32.43%	-
2013-2014	29.69%	-



2012-2013	24.35%	-
2011-2012	10.60%	-

13. Student Teacher Ratio(Programme-wise)(For 2016 – 17)

F.Y.	S.Y.	T.Y.	M.Sc.
1:100	1:65	1:31	1:5

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

	Sanctioned	Filled
Lab assistant	1	1
Lab attendant	5	5
Peon	-	-

15. Qualifications of teaching faculty with D.Sc./D.Litt./Ph.D./M.Phil./PG:

Qualifications	No. of Teachers
Ph.D.	1
M.Phil.	-
M.Sc.	5

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received

Name of the faculty	Funding Agency (National/International)	Amount of grants received
Dr. K. Aruna	Mumbai University(2015-16) UGC Major (July2011- Dec 2014) Mumbai University(2012-13)	Rs. 30,000/- Rs. 11,03,267/- Rs. 27,400/-
Ms. A. S. Pendse	Mumbai University(2013-14) Mumbai University(2011-12)	Rs. 25,000/- Rs. 30,000/-
Ms. R. Birmole	UGC Major(July2011-Dec 2014) Mumbai University(2013-14) Mumbai University(2011-12)	Rs. 12,73,833/- Rs. 25,000/- Rs. 30,000/-
Ms. M. R. Gore	UGC Minor ( Mar 2014-16 ) Mumbai University(2013-14)	Rs. 4,75,000/- Rs. 15,000/-

Name of the faculty	Funding Agency (National/International)	Amount of grants received
Dr. K. Aruna	Mumbai University(2015-16) UGC Major (July2011- Dec 2014) Mumbai University(2012-13)	Rs. 30,000/- Rs. 11,03,267/- Rs. 27,400/-
	Mumbai University(2011-12)	Rs. 30,000/-
Ms. J. Mascarenhas	UGC Minor ( Mar 2014-16 ) Mumbai University(2013-14)	Rs.4,45,000/- Rs. 20,000/-
Ms. GreetaGnanaseelan	Mumbai University(2016-17)	Rs. 40,000/-

Name of the faculty	Funding Agency (National/International)	Amount of grants received
Dr. K. Aruna	Wilson College	Rs. 10,000/-
Mrs. A. S. Pendse (Student Mentor)	Wilson College	Rs. 8,000/-
Ms. R. Birmole	Wilson College	Rs. 10,000/-
Ms. R. Birmole (Student Mentor)	Wilson College	Rs. 7,000/-
Ms. M. R. Gore	Wilson College	Rs. 10,000/-
Ms. J. Mascarenhas (Student Mentor)	Wilson College	Rs. 7,000/-

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received. (Include travel grants in others – specify)

Funding agency	Amount of grants received
DST - FIST	-
UGC	Rs. 32,97,100/-
DBT	-
ICSSR	-
OTHERS (Mumbai University Research Committee, Wilson College)	Rs. 2,72,400/-  Rs. 52,000/-

18. Research centre/facility recognized by the University

Yes

19. Publications:

- a. Publication per faculty
- b. Number of papers published in peer reviewed journals (b1. national b2. international) by faculty and students.
- c. Number of publications listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- d. Monographs
- e. Chapters in Books
- f. Books edited Books with ISBN/ISSN numbers with details of publishers
- g. Citation Index
- h. SNIP
- i. SJR
- j. Impact factor
- k. h – index
- l. Conference proceedings
- m. Other

Faculty	a	b 1	b 2	c	d	e	f	g	h	i	j	k	l	m	n
Dr. K. Aruna	4 9	8	4 1	1 3	-	1	-	-	1 3	-	0.22 9	1.35	1	-	-
Mrs. A.S. Pendse	5	-	5	-	-	-	-	-	-	-	-	-	-	-	-
Mrs. R. D. Birmole	7	4	3	-	-	-	-	-	-	-	-	1.26 9	-	-	-
Mrs. M. R. Gore	6	1	5	1	-	-	-	-	1	-	0.3	2.07	1	-	-
Ms. J. Mascarenhas	2	-	2	1	-	-	-	-	1	-	-	0.07 3	1	-	-
Ms. Greta Gnanaseel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

an																			
----	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

20. Areas of consultancy and income generated:

Areas of consultancy	Income Generated
Microbiology (JAYPEE Institute of Biotechnology, Noida) 2015-16	Rs. 25,000/-
Microbiology (Institute of Chemical Technology, Mumbai) 2011-12	Rs. 50,000/-

21. Faculty serving in (Name of faculty + details of committees)

a) National committees: Nil

b) International committees: Nil

c) Editorial Boards: Dr. K. Aruna is member of editorial board of Asian Journal of Biosciences and Journal of Microbial World

22. Student projects (Yearwise)

- Percentage of students who have done in-house projects including inter-departmental/programme:

2016-2017: 33%

2015-2016: 10%

2014-2015: 25%

2013-2014: 22.5%

2012-2013: Nil

2011-2012: Nil

- Percentage of students placed for projects in organizations outside the institutions i.e. in Research laboratories/ Industry/other agencies:

2016-2017: -

2015-2016: 1%

2014-2015: 25%

2013-2014: 16%

2012-2013: 32%

2011-2012: Nil

## 23. Awards /Recognitions received by:

## a) Faculty: 2013-14

Sr. No.	Name of the faculty	Details
1	Dr. K. Aruna	Bharat Shiksha award at Global society of health and educational growth, New Delhi on 30 <sup>th</sup> September 2013.

## b) Students: 2014-15

Mumbai University Rank holders in the subject of Microbiology

1 <sup>st</sup> Rank	Mr. Shailesh Lad (94.5%)
2 <sup>nd</sup> Rank	Ms. Ruth Amanna (93%)
3 <sup>rd</sup> Rank	Ms. Anagha Naik (91.17% )

2012-13

1 <sup>st</sup> Rank	Ms. Apeksha Nagare (87%)
----------------------	--------------------------

## 24. List of eminent academicians and scientists/visitors to the department

Years	Name of the eminent academicians
2016- 17	1)Dr. Samudravijay (Scientist, IIT Guwahati) 2)Dr. A.M. Deshmukh (Professor, Osmanabad University, Maharashtra)
2015 - 16	1)Dr. Samudravijay (TIFR Mumbai) 2)Dr. AjitDatar (Bioanalyst from Shimadzu)
2014 - 15	1)Dr. Rosalind Marita (Ex-director Nicholas Piramal) 2)Dr. ManojMahimkar (Scientist, ACTREC) 3)Dr. BoscoHenriques (Director of Biodye India Pvt. Ltd.) 4)Dr. ViditaVaidya (Scientist, TIFR) 5)Dr. V. Patrawale(Professor of Pharmaceutics, ICT) 6)Dr. Samudravijay (TIFR Mumbai)
2013 - 14	1)Dr. Samudravijay (TIFR Mumbai)
2012 - 13	1)Dr. S.K. Apte, BARC, Mumbai 2)Dr S Shivaji, Centre for Cellular and Molecular Biology (CCMB), Hyderabad 3)Dr. ArchanaGayatri, Maharaja Sayajirao University of Baroda 4)Dr. TruptiGokhale ,Birla Institute of Technology & Science, Pilani, Dubai Campus

Years	Name of the eminent academicians
2016- 17	1)Dr. Samudravijay (Scientist, IIT Guwahati) 2)Dr. A.M. Deshmukh (Professor, Osmanabad University, Maharashtra)
	5)Dr. T. Satanarayana, University of Delhi, Delhi 6)Dr. Samudravijay (TIFR Mumbai)
2011 - 12	1)Dr. Samudravijay (TIFR Mumbai) 2)Dr. B. J. Rao (TIFR Mumbai) 3)Dr. AjitDatar (Bioanalyst from Schimadzu)

25. Seminars/Conferences/Workshops organized and the source of Funding:

a) National

b) International

Year	National	International	Source of funding
2016-17	5	-	Wilson College
2015-16	2	-	Wilson College
2014-15	4	-	1)Wilson College (4) 2)Lady Tata memorial trust (1)
2013-14	1	-	Wilson College
2012-13	5	-	Wilson College
2011-12	3	-	Wilson College

26. Student profile programme/course wise: (Interdisciplinary programme): NA

27. Diversity of students : Refer 2.1.5

28. How many students have cleared national and state competitive examinations such as

a) NET:10	b) SLET:6
c) GATE:8	d) Civil services: Nil
e) Defence services: Nil	f) Others: Nil

29. Student progression:

Student Progression	Against % enrolled					
	2016 - 17	2015 - 16	2014 - 15	2013 - 14	2012 - 13	2011- 12
UG to PG	90%	85%	83%	88%	85%	80%

Student Progression	Against % enrolled					
	2016 - 17	2015 - 16	2014 - 15	2013 - 14	2012 - 13	2011- 12
PG to M.Phil.	-	-	-	-	-	-
PG to Ph.D.	2%	2%	2%	2%	2%	2%
Ph.D. to Post-Doctoral	1%	1%	-	-	-	-
Employed • Campus selection • Other than campus recruitment	-	-	-	-	-	-
Entrepreneurs/ Self employment	-	-	-	-	-	-

### 30. Details of Infrastructural facilities

- a) Main Library:2472 books related to Microbiology, Biotechnology & Life Science
- b) Departmental Library:450 books related to Microbiology, Biotechnology, Industrial Microbiology, Genetics, Immunology, Medical Microbiology.
- c) Internet facilities for staff and students:Internet and desktops are available in the department. There are 4 desktops and 1 laptop in the department. The facilities are used by the staff and postgraduate students.
- d) Class rooms with ICT facility: Our department has 2 LCD projectors which are used by the staff regularly.
- e) Laboratories:The department has two well-equipped laboratories with infrastructure and instruments.

31. Number of students receiving financial assistance from college, university, government or other agencies: Refer 5.1.2 and 5.1.3

32. Details on student enrichment programmes (special lectures/workshops/seminar)with external experts (include industrial visits and highlight very briefly the academic gain and the experts met thereof

2016-17

- The Wilson College Unit of Microbiologist Society of India was inaugurated by Mr. A. M Deshmukh who mentored the students on ‘Careers in Microbiology and Biotechnology’ on the 20<sup>th</sup> August, 2016.

- MOLECULAR BIOLOGY WORKSHOP was conducted for the M.Sc. Microbiology students on the 13<sup>th</sup>-14<sup>th</sup> October, 2016 giving in the hands on training in Molecular Biology techniques.
- T.Y.B.Sc students visited NMIMS, Vile Parle on 30<sup>th</sup> November, 2016 and ‘The Advanced Centre for Treatment, Research and Education in Cancer (ACTREC)’ on 1<sup>st</sup> December, 2016 where they were introduced to the ongoing research in Biological Sciences.
- The T.Y.B.Sc. students visited the Animal Tissue Culture laboratory at Bayview Research Centre, Charni Road on 7<sup>th</sup> January, 2017 where Dr. Rosalind Marita demonstrated the use of Animal cells in research.
- A lecture on ‘Health care and career opportunities’ was on 13<sup>th</sup> January, 2017. The speaker was Mr. Syed S.
- The Third year B.Sc. students visited the Saras Dairy (Jaipur Dairy) at Jaipur as a part of their IV where they were introduced to the dairy industry.
- The T.Y.B.Sc. students were introduced to the Plant Tissue Culture laboratory at R J Jhunjhunwala College, Ghatkoper by Dr. Urmila on the 27<sup>th</sup> January, 2017
- A career guidance session for the FY, SY and TY students on 11<sup>th</sup> February, 2017 by Mr. Shailesh Lad and Ms. Ruth Amanna.

#### 2015-16

- The 6<sup>th</sup> Konark Research meet was organized on the 15<sup>th</sup> January, 2016 at Wilson College where students presented their research work in various areas of Biological Sciences.
- T.Y.B.Sc students visited NMIMS, Vile Parle on 5<sup>th</sup> December, 2015 and ‘The Advanced Centre for Treatment, Research and Education in Cancer (ACTREC)’ on 3<sup>rd</sup> December, 2015 where they were introduced to the ongoing research in Biological Sciences.
- Colloquium on ‘Sensitization on Environmental Issues’ on the 26<sup>th</sup> July, 2015 was organized where eminent environmentalists and researchers like Dr. H. Samant, Dr. S. Mishra, Dr. AjithGokhale and Dr. S. Chapekar were instrumental in spreading the awareness on environmental issues.

#### 2014-15

- Dr. BoscoHenriques conducted a lecture on ‘Entrepreneurial mode of Science’ on the 21<sup>st</sup> June, 2014.
- Six day Workshop on ‘Molecular Biology Techniques’ (19<sup>th</sup>-23<sup>rd</sup> August, 2014 and 10<sup>th</sup>-11<sup>th</sup> November, 2014) and was sponsored by The Lady Tata Memorial Trust. Scientists like Dr. Rosalind Marita, Dr. ManojMahimkar, Dr. BoscoHenriques, Dr. ViditaVaidya and Dr. V. Patrawale from reputed institutes discussed current research in different fields of Biological Sciences.
- Ms. AnushkaDongre conducted a session on ‘Career Guidance’ for the students in December, 2014.



- A career guidance seminar ‘Crossroad15’ was conducted on the 24<sup>th</sup> January, 2015 wherein eminent scientist, professionals from industries and academicians like Dr. S. Mangaokar, Dr. D. Sarnath, Dr. Menon, Dr. Deepak Charaborthy and Ms. P. Salunkhe discussed various job prospects for students after graduation and postgraduation.
- T.Y.B.Sc students visited NMIMS, Vile Parle and ‘The Advanced Centre for Treatment, Research and Education in Cancer (ACTREC)’ In December where they were introduced to the ongoing research in Biological Sciences.

2013-14

- Workshop on ‘*Molecular Biology Techniques and other important techniques of Immunology*’ was conducted for M.Sc. Part I students for students across Mumbai from 9<sup>th</sup> – 10<sup>th</sup> September, 2013.
- T.Y.B.Sc students visited NMIMS, Vile Parle and ‘The Advanced Centre for Treatment, Research and Education in Cancer (ACTREC)’ in November where they were introduced to the ongoing research in Biological Sciences.
- The Third year B.Sc. and Second year B.Sc. students visited Govardhan cheese factory located at Manchar giving them an insight to the ongoing of the cheese manufacture process.

2012-13

- Workshop on ‘*Molecular Biology Techniques and other important techniques of Immunology*’ was conducted for M.Sc. Part I students for students across Mumbai from 4-6 October and 11-13 October, 2012 at Wilson College.
- An orientation session on pursuing studies abroad and career guidance was conducted by Alumni pursuing Ph.D. and Post-Doctoral programmes abroad and in India on 3<sup>rd</sup> January, 2013 and 4<sup>th</sup> August, 2012
- National Symposium on ‘*Exploring the Environment- A Microbiological Approach*’ was organized on 5<sup>th</sup> January, 2013 Eminent researchers and scientists like Dr. V. Patravale, Professor of Pharmaceutics from Department of Pharmaceutical Sciences and Technology ,Dr. S.K. Apte, BARC, Mumbai, Dr S Shivaji, Centre for Cellular and Molecular Biology (CCMB), Hyderabad, Dr. ArchanaGayatri, Maharaja Sayajirao University of Baroda, Dr. TruptiGokhale from Birla Institute of Technology & Science, Pilani, Dubai Campus, and Dr. T. Satanarayana, University of Delhi, Delhi graced the occasion discussed the research in various areas of Science.
- The Third year B.Sc. and M.Sc Part II students visited various institutes like Monsanto, Institute of Bioinformatics and Applied Biotechnology and Sengenomics Laboratories at Bangalore as a part of IV from the 5<sup>th</sup>-11<sup>th</sup> November, 2012.
- The Second year B.Sc. students visited industries like Sula Wineries, Sequence Biotech and Jai Biotech. Nashik on the 15<sup>th</sup> and 16<sup>th</sup> of November, 2011.

- T.Y.B.Sc students visited ‘The Advanced Centre for Treatment, Research and Education in Cancer (ACTREC)’ in December where they were introduced to the ongoing research in Biological Sciences.
- Animal Tissue Culture demonstration was arranged for the students of M.Sc part I and T.Y.B.Sc by Mrs. Nirmala M from ‘The Advanced Centre for Treatment, Research and Education in Cancer (ACTREC)’ on the 1<sup>st</sup> February, 2013 at Wilson College.

2011-12

- Workshop for the postgraduate students on “Techniques in Molecular Biology & Practical Bioinformatics” from 24<sup>th</sup>- 27<sup>th</sup> August, 2011
- Career Guidance session on the 17<sup>th</sup> December, 2011 by the Alumni who are well placed professionally in the industry, entrepreneurs, and researchers. This was followed by a session on opportunities for higher education at Glasgow University, UK.
- The Third year B.Sc. students visited various premier institutes like Centre for Cellular and Molecular Biology (CCMB), Central Food Technology Institute, International Crop research Institute for Semi-Arid tropics and Institute of Genetics at Hyderabad as a part of the IV from the 31<sup>st</sup> October to 5<sup>th</sup> November, 2011.
- The Second year B.Sc. students visited Bharat Serum and NCCS in Pune on the 15<sup>th</sup> and 16<sup>th</sup> of November, 2011.
- T.Y.B.Sc students visited ‘The Advanced Centre for Treatment, Research and Education in Cancer (ACTREC)’ in November, 2011 where they were introduced to the ongoing research in Biological Sciences.

*33. Teaching methods adopted to improve student learning:*

- Use of LCD Projectors.
- Use of video and animations to explain difficult concepts.
- Use of models
- Conducting MCQs and tutorial based exams
- Seminars and workshops on various biological science related topics.

*34. Participation in Institutional Social Responsibility (ISR) and Extension activities: Write only about particular Departmental outreach and not about students in NSS etc*

2016-17

- School workshop was conducted on 10<sup>th</sup>-11<sup>th</sup> February, 2017 for students from schools around Wilson College.
- The department of Microbiology helped 3 students of J.D.Somani International School from the Junior College for projects based on curriculum.

2015-16

- School workshop was conducted on 11<sup>th</sup>-12<sup>th</sup> December, 2015 for students from schools around Wilson College.
- The water potability of the Charni road station was conducted on regular basis during 2015-16.

2014-15

- School workshop was conducted on 2<sup>nd</sup> – 3<sup>rd</sup> January, 2015 for students from schools around Wilson College.

2013-14

- The department of Microbiology helped three Hill Spring International School students from the 12<sup>th</sup> standard for various projects.

2012-13

- Analysis of Honey sample for tribal people-Satwik foundation for 3 months
- School workshop was conducted on 28<sup>th</sup>-29<sup>th</sup> July, 2012 for students from school around Wilson College.

35. *SWOC analysis of the department and Future plans:*

Strengths:

1. Strong Research facility for both undergraduate and postgraduate students. It is a research centre for students from other institutes within Mumbai and outside Mumbai. The department has intra and inter-departmental collaborations with other science departments. There is a strong research culture among the faculty of the department.
2. The department has strong alumni who make it a point to contribute to the department progress by providing Career counseling and summer internships at various industries.
3. The department actively participates in environment based events and projects. The department conducts seminars, workshops, intercollegiate events to nurture the students overall growth.

Weaknesses:

1. Improve on consultancy
2. The department needs renovation.
3. Placement opportunities for students

Opportunities:

1. Increase in the number of seats for M.Sc. Microbiology
2. Campus placements
3. Industrial tie up

**Challenges:**

1. Catering to students of diverse backgrounds and vernacular mediums
2. Student teacher ratio

**Future Plans:**

1. Continue with quality research
2. Conduct outreach programme and workshops on Biostatistics and Bioinformatics
3. Inviting scientists to discuss new research

## Physics Department

1. Name of the Department : Physics
2. Year of Establishment :1887
3. Names of programmes / Courses offered

Sr. No.	Name of Programmes/Courses	Offered
1	U.G.	B.Sc
2	P.G.	--
3	Ph.D.	--

4. Names of Interdisciplinary Courses and the Departments/units involved: NIL
5. Annual/Semester/Choice Based Credit System (programme wise):  
 UG: Credit Based Grading System; Semester System  
 Choice Based Credit System (From 2016 – 17)
6. Participation of the Department in the courses offered by other departments : NIL
7. Courses in collaboration with other universities, industries, foreign institutions, etc :  
NIL
8. Details of Courses/Programmes discontinued (if any) with reasons : NIL
9. Number of teaching posts:

	Sanctioned	Filled
Professor	NA	0
Associate Professors	NA	2
Asst. Professors	7	4

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./M.Phil. Etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Student Guided for the last 4 years
Mr. S. Deodhar	M.Sc.	Associate Professor	Physics	21	---
Mr. M. D'Souza	M.Sc.	Assistant Professor	Physics	21	---
Mr. U. Patil	M.Sc.	Associate Professor	Physics	17	---

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Student Guided for the last 4 years
Mr. M. Shetti	M.Sc.	Assistant Professor	Physics	16	---
Dr. S. Patil	M.Sc., Ph.D.	Assistant Professor	Physics	16	---
Dr. K. Bhatt	M.Sc., Ph.D.	Assistant Professor	Physics	12	---

11. List of senior visiting faculty : NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty( Year-wise) : NIL

13. Student Teacher Ratio

F.Y.	S.Y.	T.Y.	M.Sc.
1:100	1:45	1:16	NA

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

	Sanctioned	Filled
Lab Assistant	2	1
Lab Attendant	8	6
Peon	0	0

15. Qualifications of teaching faculty with D.Sc./D.Litt./Ph.D./M.Phil./PG:

Qualifications	No. of Teachers
Ph.D.	2
M.Phil.	--
M.Sc.	4

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : NIL

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc.

and total grants received.: NIL

18. Research centre/facility recognized by the University

No
----

## 19. Publications:

## a. Publication per faculty

b. Number of papers published in peer reviewed journals (b1. National b2. International) by faculty and students.

c. Number of publications listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc.)

d. Monographs

e. Chapters in Books

f. Books edited Books with ISBN/ISSN numbers with details of publishers

g. Citation Index

h. SNIP

i. SJR

j. Impact factor

k. h – index

l. Conference proceedings

m. Other

Faculty	a	b 1	b 2	c	d	e	f	g	h	i	j	k	l	m	n
Dr. K Bhatt	4	-	3	-	-	1	-	-	-	-	-	-	-	1	-
U. Patil	5	1	3	-	-	-	-	-	-	-	-	-	-	1	-

20. Areas of consultancy and income generated: NIL

21. Faculty serving in

a) National committees: NIL

b) International committees: NIL

c) Editorial Boards: NIL

22. Student projects

a) Percentage of students who have done in-house projects including inter-departmental/programme: NIL

b) Percentage of students placed for projects in organizations outside the institutions i.e. in Research laboratories/ Industry/other agencies:

2016-2017	43%
2015-2016	55%
2014-2015	11%
2013-2014	14%
2012-2013	43%
2011-2012	6.5%

23. Awards /Recognitions received by:

a) Faculty: NIL

b) Students: NIL

## 24. List of eminent academicians and scientists/visitors to the department

Years	Name of the eminent academicians
2015 – 16	Dr. Vasudev Siruguri, Dr Amitabh Das, Prof. A. Thamizhavel, Dr. Satyanarayan, Dr. Pourus Mehta, Mr. Uday Kashelkar
2014 – 15	Mr. Raghmani Singh, Dr. Atul Mody, Mr. Vijay Arolkar
2013 – 14	Dr. V.M. Datar, Dr R.K. Singh, Dr. Aparna Banergee, Dr. Ajay Dhar, Dr. V. Lakshmi Narsimhan,
2012 – 13	Dr. Latika Menon.North, Dr. K. Sridhar, Prof. Sadgopal Date, Prof. Sunil Mukhi
2011 – 12	Dr. UmaShankar, Prof. Dr. Ramakrishnan
2016 – 17	Dr. Gopakumar

## 25. Seminars/Conferences/Workshops organized and the source of Funding:

## a. National : BARC

Summer school for problem solving in collaboration with I.A.P.T.  
(Funding I.A.P.T.)

## b. International: NIL

## 26. Student profile programme/course wise: (Interdisciplinary programme): NIL

## 27. Diversity of students: Refer 2.1.5

## 28. How many students have cleared national and state competitive examinations such as

a) NET: NIL	b) SLET: NIL
c) GATE: NIL	d) Civil services: 1
e) Defence services: NIL	f) Others: NIL

## 29. Student progression:

Student progression	Against % enrolled				
	2015 - 16	2014 - 15	2013 - 14	2012 - 13	2011-12
UG to PG	44%	67%	57%	43%	40%
PG to M.Phil.	-	-	-	-	-
PG to Ph.D.	-	-	-	-	-
Ph.D. to Post-Doctoral	-	-	-	-	-
Employed					
• Campus selection	1%	-	-	-	-
• Other than campus recruitment	17%	22%	43%	57%	53%



Student progression	Against % enrolled				
	2015 - 16	2014 - 15	2013 - 14	2012 - 13	2011-12
Entrepreneurs/ Self - employment	-	11%	-	-	-

30. *Details of Infrastructural facilities*

- 1) *Main Library:3446*
- 2) *Departmental Library:253*
- 3) *Internet facilities for staff and students:01.*
- 4) *Class rooms with ICT facility: Common Sharing Facilities.*
- 5) *Laboratories:2*

31. *Number of students receiving financial assistance from college, university, government or other agencies: Refer 5.1.2 and 5.1.3*

32. *Details on student enrichment programmes (speciallectures/workshops/seminar)with external experts*

- a) Dr. UmaShankar, from Indian Institute of Technology. gave a highly intellectual inaugural talk on ‘Symmetries’ in Aug., 2011 .
- b) On 30<sup>th</sup> January 2012, Prof. Dr. Ramakrishnan from Tata Institute of Fundamental Research (TIFR) gave an inspiring and informative talk on “Quest for Absolute Zero”
- c) ‘Nanomaterials’ on 14<sup>th</sup> June 2012 by Dr. Latika Menon.North western University, USA
- d) “Higg’s boson: The completion of Standard Model” by Dr. K. Sridhar from T.I.F.R. on 25<sup>th</sup> July 2012.
- e) “50 years of Mossbauer Effect” on 11<sup>th</sup> January 2013 by Prof. Sadgopal Date, retired professor from NCL, Pune and Professor Emeritus, Pune University Physics Department.
- f) Indian Physics Association: DAE – C.V.Raman Public Lecture by Prof. Sunil Mukhi, IISER, Pune gave a lecture on “Windows onto Nature” on 23<sup>rd</sup> February 2013.
- g) Department in collaboration with B. A. R. C. organized a one-day seminar “Empowering India through Atomic Energy” and an exhibition – on “BARC Technologies”, during 21<sup>st</sup> to 23<sup>rd</sup> August 2013.
- h) Dr. V.M. Datar, Head, Nuclear Physics Division, BARC, Mumbai 19<sup>th</sup> Aug., 2013. Dr R.K. Singh, Head, Media Relation and Public Awareness , ‘ Atomic Energy for sustainable Development’ on 19<sup>th</sup> Aug., 2013. Dr. Aparna Banerjee , BARC, ‘Applications of Nuclear Technologies’ 19<sup>th</sup> Aug. 2013. Dr. V. Lakshmi Narsimhan, BARC, ‘Career opportunities in BARC’ 19<sup>th</sup> Aug., 2013.

- i) Prof. Mahesh Shetti conducted workshop on “Waves” for Advanced Learners of S.Y.B.Sc. from 21<sup>st</sup> October to 26<sup>th</sup> October 2013.
- j) Mr. Ajay Dhar from Indian Institute of Geomagnetism, Navi Mumbai gave a lecture on “Geomagnetism and India’s contribution from Antarctica” on 18<sup>th</sup> February 2014
- k) A sky gazing session for 30 people was conducted at Lavhali near Vangani on 25<sup>th</sup> January 2014. Some of our ex-students Ms. Purna Vyas, Mr. Sameer Mathe and S.Y.B.Sc. student Ms. Renuka Khanvilkar assisted.
- l) Our own alumnus Mr. Raghmani Singh (2008 batch) working as Scientific Officer at Nuclear Power Corporation of India Limited gave a lecture on “Nuclear Safety in India” on 28<sup>th</sup> July 2014.
- m) Another alumnus Mr. Amiel Lopes (2008 batch) gave a lecture on “Industrial application of Optics” on 28<sup>th</sup> July 2014.
- n) Dr. Atul Mody, ex-professor from Vivekanand College, gave a lecture on “Special Relativity using K-transform” for Second and Third year students on 24<sup>th</sup> November 2014.
- o) Mr. Vijay Arolkar from Tata Institute of Fundamental Research conducted a workshop on “Cryogenics” on 9th December 2014.
- p) Thirty students visited Tata Institute of Fundamental Research on 4<sup>th</sup> February 2015. They visited following labs: INO (Neutrino-experiment), Mossbauer effect, Physical properties measurement system, sample-preparation techniques, Electron microscopy, X-ray diffraction. Students were also taken to TIFR for public lecture by Sir Arnold Wolfendale, cosmic ray scientist on 11<sup>th</sup> November 2014. Dr. Sujata Patil and Prof. Mahesh Shetti accompanied and guided the students.
- q) Prof. Mahesh Shetti conducted a workshop on Light for advanced learners in April 2015. Ms. Tanmayee Pathre conducted two-day problem solving sessions on “Optics of Photography” on 20<sup>th</sup> and 21<sup>st</sup> October 2015.
- r) Prof. Michael D’Souza coordinated a three-day induction programme for the F.Y.B.Sc. students who have taken Physics and Mathematics. An Introduction to the fields of Physics and Mathematics including a talk on structure of the courses as offered by the University of Mumbai and the nature of the exam system was given by Prof. Michael C. D’Souza. Sessions on handling the transition from school to university and setting academic tones (how to prepare mentally for academic activities and decisions) were conducted by Ms. Savita Tilak the college counsellor. A enrichment lecture on Physics in everyday life was conducted by Dr. Atul Mody (former associate Professor at Vivekanand College). A session on how to utilise the the resources available, and make use of facilities provide by departments and the college was conducted by Prof. Mahesh Shetti. A motivational talk on the ‘Quest for Excellence’ was given by Prof. Sudhakar Solomonraj. In addition sessions on problem solving, basic concepts and film shows were conducted by Prof. Michael C. D’Souza, Prof. S.Y. Pakhale and Prof. Mahesh Shetti.

- s) Our own alumnus Mr. Uday Kashelkar (1992 batch) working as Scientific Officer at Nuclear Power Corporation of India Limited, Kakrapar Power Plant, Gujrat gave a lecture on “Nuclear Power Plant and Radiation Safety” on 18<sup>th</sup> January 2016.
- t) Department organised a two-day seminar on “Frontiers of Experimental Physics” under IQAC’s “Expanding Intellectual Horizons” programme on 9<sup>th</sup> and 10<sup>th</sup> February 2016. Following speakers talked on various topics in experimental physics: Dr. Vasudev Siruguri (Centre Director, DAE-UGC CSR, BARC, Mumbai), Dr Amitabh Das (Scientist, Solid State Physics Division, BARC), Prof. A. Thamizhavel (DCMP&MS, TIFR), Dr. Satyanarayan (DHEP, TIFR), Dr. Paurus Mehta (Electronics Division, BARC). In all 69 students and teachers from various colleges under Mumbai University attended the seminar. Dr. Sujata Patil was the convener for the seminar.

### 33. *Teaching methods adopted to improve student learning:*

- The lecture method is the primary method of teaching. This highly interactive method with the use of chalk and board is highly effective when teaching students of physics.
- In addition various multimedia aids like the OHP – to display diagrams, flowcharts and complicated formulae, a computer connected to a LCD projector – to show movies related to the subject, use of open-source material and run simulations, models of various apparatus and live demonstrations are used to make the courses as interesting as possible.
- Students are exposed to a wide range of problems and questions, helping them understand various aspects of the subject.
- A large amount of resources in terms of books and digital content is available for the students at all times. Students are exposed to lectures by professionals in the field viz., eminent scientists working in cutting edge research – organised by the department and by other institutions.
- Visits to national laboratories and industries are arranged where students get to see first hand the application of the knowledge they learn in class. Students are also encouraged to intern at various institutes/organisations for a brief period.
- Students are encouraged and guided to increase their knowledge by taking reading courses and doing projects beyond the requirement of their syllabi. Students who are weak are guided by holding remedial classes. Students having academic problems are mentored so that they are able to overcome some of the difficulties they face.

### 34. *Participation in Institutional Social Responsibility (ISR) and Extension activities:*

Demonstration experiments, to clear concepts in physics were organized for class XI students. Prof. D’Souza and Prof. Shetti with T.Y.B.Sc. student volunteers guided the students.

On 13<sup>th</sup> September 2012, 11 girl students from “Adiwasi Sahaj Shikshan Pariwar’s hostel, Maswan, Palghar” visited physics lab. Some interesting experiments in

wave and optics were demonstrated to them by Prof. Mahesh Shetti.

35. *SWOC analysis of the department and Future plans:*

Strengths:

1. Open and free academic atmosphere focused on teaching and learning physics.
2. Democratic, non-bureaucratic and flexible administration in the department.
3. Strong knowledge base.

Weaknesses:

1. Stressed infrastructure.
2. Low funding.
3. No PG department.

Opportunities:

1. More teachers involved with research.
2. Interdisciplinary tie-ups.
3. Members in university level committees.

Challenges:

1. Changing government policies.
2. Increasing administrative work.
3. Lack of advanced learners.

Future Plans:

1. Increase in research output
2. Attracting better quality students
3. Conducting wide ranging workshops

**Zoology Department**

1. Name of the Department : Zoology

2. Year of Establishment : 1969

3. Names of programmes / Courses offered

Sr. No.	Name of Programmes/Courses	Offered
1	U.G.	B.Sc.
2	P.G.	M.Sc.
3	Ph.D.	-----

4. Names of Interdisciplinary Courses and the Departments/units involved: NIL.

5. Annual/Semester/Choice Based Credit System (programme wise):

UG: Credit Based Grading System; Semester System.

PG: Credit Based Grading System; Semester System.

Choice Based Credit System (From 2016 – 17)

6. Participation of the Department in the courses offered by other departments: NIL.

7. Courses in collaboration with other universities, industries, foreign institutions, etc :  
NIL

8. Details of Courses/Programmes discontinued (if any) with reasons: NIL.

9. Number of teaching posts:

	Sanctioned	Filled
Professor	NA	00
Associate Professors	NA	02
Asst. Professors	06	04

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./M.Phil. Etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Student Guided for the last 4 years
Mr. S. Parkar (Retired June 2016)	M.Sc., D.H.E.	Associate Professor	Animal Physiology	30	00
Dr. R. Ghosh	M.Sc., Ph.D.	Associate Professor	Animal Physiology	25	00

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Student Guided for the last 4 years
Ms. P. Shetti	M.Sc., SET	Assistant Professor	Genetics	16	00
Dr. S. Mane	M.Sc., Ph.D.	Assistant Professor	Oceanography and Fishery Science	5	00
Ms. N. Elizabeth Koshy	M.Sc., NET	Assistant Professor	Animal Physiology	4	00
Dr. D. Lad	M.Sc., M.Phil., Ph.D.	Assistant Professor	Oceanography and Fishery Science	4	00

11. List of senior visiting faculty : NIL.

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty( Year-wise) :

	<u>UG</u>	<u>PG</u>
2016-2017	29 %	0 %
2015-2016	9 %	0 %
2014-2015	9 %	0 %
2013-2014	0 %	0 %
2012-2013	0 %	0 %
2011-2012	17 %	0 %

13. Student Teacher Ratio (Programme - wise)

F.Y.	S.Y.	T.Y.	M.Sc.
1:30	1:10	1:2	1:10

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

	Sanctioned	Filled
Lab Assistant	01	01
Lab Attendant	04	04

Peon	00	00
------	----	----

15. *Qualifications of teaching faculty with D.Sc./D.Litt./Ph.D./M.Phil./PG:*

Qualifications	No. of Teachers
Ph.D.	03
M.Phil.	00
M.Sc.	03

16. *Number of faculty with ongoing projects from a) National b) International funding agencies and grants received*

Name of the faculty	Funding Agency (National/International)	Amount of grants received
Dr. Sushant Mane	National (U.G.C.)	2,50,000/-

17. *Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received.*

Funding agency	Amount of grants received
DST - FIST	-----
UGC	2,50,000/-
DBT	-----
ICSSR	-----
OTHERS	-----

18. *Research centre/facility recognized by the University*

<b>No</b>
-----------

19. *Publications:*

a. *Publication per faculty*

b. *Number of papers published in peer reviewed journals (b1. national b2. international) by faculty and students.*

c. *Number of publications listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)*

d. *Monographs*

e. *Chapters in Books*

f. *Books edited Books with ISBN/ISSN numbers with details of publishers*

g. *Citation Index*

h. *SNIP*

i. *SJR*

j. *Impact factor*

k. *h – index*

l. *Conference proceedings*

m. *Other*

Faculty	a	b1	b2	c	d	e	f	g	h	i	j	k	l	m	n
Dr. Ghosh	2	0	2	0	0	0	0	0	0	0	0	1.2	0	1	0
Ms. P. Shetti	1	0	1	0	0	0	0	0	0	0	0	0	0	1	0
Dr. Mane	3	1	2	0	0	0	0	0	1.1	0	0	0	0	2	0
Ms. Elizabeth Koshy	1	0	1	0	0	1	0	1 Self Publishers (978-93- 5254-760- 9)	0	0	0	0	0	2	0
Dr. Lad	12	0	12	0	0	0	0	1 Self Publishers (978-93- 5254-760- 9)	0	0	0	3.0	1	3	0

## 20. Areas of consultancy and income generated:

Areas of consultancy	Income Generated
NIL	NIL

## 21. Faculty serving in

a) National committees: NIL.

b) International committees: NIL.

c) Editorial Boards:

- Dr. Devdatta Lad is member of the editorial board of World Journal of Clinical Pharmacology, Microbiology and Toxicology.
- Dr. Devdatta Lad is the member of the editorial board of Science Observer Journal.

## 22. Student projects

- Percentage of students who have done in-house projects including inter-departmental/programme: NIL
- Percentage of students placed for projects in organizations outside the institutions i.e. in Research laboratories/ Industry/other agencies: NIL



## 23. Awards /Recognitions received by:

- a) Faculty : NIL  
b) Students: NIL

## 24. List of eminent academicians and scientists/visitors to the department

Years	Name of the eminent academicians
2015 - 16	Dr. Vinay Deshmukh,(Former Director and Scientist, CMFRI) Dr. Nandini Deshmukh,(Managing Director, Eco – persona) Dr. Champakali Ayyub, (Senior Scientific Officer, T.I.F.R.) Dr. Nishigandha Naik,(Assistant Director, Haffkine Institute) Dr. Leon Pereira, (Visiting Professor, Universal Business School)
2014 - 15	Dr. Nishigandha Naik, (Assistant Director, Haffkine Institute) Dr. Ashutosh Valvade, (Assistant Professor, Xavier’s Institute of Technology) Prof. Mahesh Shetti, (Assistant Professor, Physics Department, Wilson College)
2012 - 13	Dr. Rita Mukhopadhyaya, (Senior Scientist, BARC)

## 25. Seminars/Conferences/Workshops organized and the source of Funding:

## a) National:

Insights into Biological Sciences 26<sup>th</sup> February 2016. Funded by Wilson College.

Organized UGC sponsored regional level workshop on Advance Microscopy at Wilson College on 22<sup>nd</sup> November 2014.

## b) International : NIL.

## 26. Student profile programme/course wise: (Interdisciplinary programme): NA

## 27. Diversity of students: Refer 2.1.5

## 28. How many students have cleared national and state competitive examinations such as

a) NET:NIL.	b) SLET: NIL.
c) GATE: NIL.	d) Civil services: NIL.
e) Defense services:NIL.	f) Others:NIL.

## 29. Student progression:

Student progression	Against % enrolled				
	2015 - 16	2014 - 15	2013 - 14	2012 - 13	2011-12
UG to PG	50%	50%	50%	50%	50%
PG to M.Phil.	0	0	0	0	0

Student progression	Against % enrolled				
	2015 - 16	2014 - 15	2013 - 14	2012 - 13	2011-12
PG to Ph.D.	0	0	0	0	0
Ph.D. to Post-Doctoral	0	0	0	0	0
Employed					
• Campus selection	0	0	0	0	0
• Other than campus recruitment	50%	40%	50%	50%	60%
Entrepreneurs/ Self - employment (U.G. + P.G.)	20%	10%	20%	10%	10%

30. *Details of Infrastructural facilities*

- a) *Main Library:* 600 Books.
- b) *Departmental Library:* 1228 Books.
- c) *Internet facilities for staff and students:* One departmental Computer with internet.
- d) *Class rooms with ICT facility:* Common Sharing Facilities.
- e) *Laboratories:*02

31. *Number of students receiving financial assistance from college, university, government or other agencies:* Refer 5.1.2 and 5.1.3

32. *Details on student enrichment programmes (special lectures/workshops/seminar)with external experts*

- Every year field visits and excursions (Short and long) are organized by the Zoology Department where the students observe the fauna and ecology of the habitat.

Years	List of field visits and excursions
2016 - 17	Rajiv Gandhi Zoological Park and Research Centre (Katraj, Pune) Government fish seed centre (Goregaon) Ferry Wharf (Mumbai)
2015 - 16	Kanha National Park and Tiger Reserve (Madhya Pradesh) Mumbai University Settlement (Bordi)
2014 - 15	Mahableshwar Pench National Park (Madhya Pradesh)
2013 - 14	Kokan Krishi Vidyapeeth and Harnai Fish landing centre (Dapoli,

	Maharashtra) Versova Fish Landing Centre
2012 - 13	Ranthambore National Park (Rajasthan) Saguna Baug Bhadsavale (Neral, Maharashtra)
2011 - 12	Bandhavgad National Park (Madhya Pradesh)

33. *Teaching methods adopted to improve student learning:*

The department uses the audio – visual methods and small projects to improve students learning.

34. *Participation in Institutional Social Responsibility (ISR) and Extension activities:*

The students from economically disadvantaged sections of society are given financial support like waiver in journal and excursion fees.

35. *SWOC analysis of the department and Future plans:*

Strengths:

1. Young and dedicated staff.
2. Teaching and non-teaching staff coordinate well and there is a friendly working atmosphere.
3. Hardworking, very knowledgeable and efficient lab assistant.

Weaknesses:

1. One laboratory only for three degree and two post graduate courses, projects, research work – so we are cramped for space.
2. Lot of leakages leading to damage of books and property.
3. Electrical fittings are old and dangerous.

Opportunities:

1. Extra lab space.
2. Fitted LCD in lab.
3. Cabinets for documentation.

Challenges:

1. Aim to initiate projects with student groups.
2. Funding for student activities.
3. Finding time in between semesters for organizing excursions.

Future Plans:

1. Organizing short workshops to enhance students learning.
2. Organizing bridge lectures.
3. Getting Ph. D. lab recognition.

**BMM Department**

1. Name of the Department : BMM

2. Year of Establishment : 2000

3. Names of programmes / Courses offered

Sr. No.	Name of Programmes/Courses	Offered
1	U.G.	B.M.M.
2	P.G.	NIL
3	Ph.D.	NIL

4. Names of Interdisciplinary Courses and the Departments/units involved: N.A.

5. Annual/Semester/Choice Based Credit System (programme wise):

UG: Credit Based Grading System; Semester System

Choice Based Credit System (From 2016 – 17)

6. Participation of the Department in the courses offered by other departments: NIL

7. Courses in collaboration with other universities, industries, foreign institutions, etc:  
NIL

8. Details of Courses/Programmes discontinued (if any) with reasons: N.A

9. Number of teaching posts:

	Sanctioned	Filled
Professor	NA	NA
Associate Professors	NA	NA
Asst. Professors	Sanctioned by the Management	4

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./M.Phil. Etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Student Guided for the last 4 years
Ms. A. Chaturvedi	MA	Assistant Professor	Journalism	6	N.A
Ms. V. Shah	PGDM Communication	Assistant Professor	Advertising and Marketing	2	N.A

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Student Guided for the last 4 years
Ms. S. Naik	MA	Assistant Professor	Social Psychology	1	N.A.
Mr. J. Nayak	MA, MPhil,	Assistant Professor	Political Science and Communication	1	N.A.

*11. List of visiting faculty:*

Sr.no.	Name	Subject taught	Class
1.	Sudhakar Solomonraj	Contemporary Issues Advertising	SYBMM TYBMM
2	Hanif Lakdawala	Advertising and Marketing Research, Media Planning	TYBMM(Ad)
3	Gaurav Salvi	Financial Management (Theory)	TYBMM(Ad)
4	Riya K.	News Media Management Photography	TYBMM (J) SYBMM
5	Vinita Mathew	Introduction to Literature	FYBMM
6	Thomson M.	Computers and Advanced Computer	FYBMM SYBMM
8	Divya Rajagopal	Business Journalism	TYBMM (Ad)
9	Amrish Chandan	Ad Design	TYBMM (J)

*12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty( Year-wise):*

UG

PG

2016-2017 – Full time: 50% Visiting: 50%

2015-2016 – Full time: 50% Visiting: 50%

2014-2015 – Full time: 50% Visiting: 50%

2013-2014 – Full time: 50% Visiting: 50%

2012-2013 – Full time: 50% Visiting: 50%

2011-2012 – Full time: 50% Visiting: 50%

## 13. Student Teacher Ratio

F.Y.	S.Y.	T.Y.	M.Sc.
1:37	1:27	TYBMM (A)-1:23 TYBMM (J)-1:13	N.A.

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled : NIL

15. Qualifications of teaching faculty with D.Sc./D.Litt./Ph.D./M.Phil./PG:

Qualifications	No. of Teachers
Ph.D.	0
M.Phil.	01
M.A./M.Sc.	3

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : NIL

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc.

and total grants received.: NIL

18. Research centre/facility recognized by the University

No
----

19. Publications:

a. Publication per faculty

b. Number of papers published in peer reviewed journals (b1. national b2. international) by faculty and students.

c. Number of publications listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

d. Monographs

e. Chapters in Books

f. Books edited Books with ISBN/ISSN numbers with details of publishers

g. Citation Index

h. SNIP

i. SJR

j. Impact factor

k. h – index

l. Conference proceedings

m. Other

Faculty	a	b 1	b 2	c	d	e	f	g	h	i	j	k	l	m	n
Jitendra Nayak	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shweta Naik	2	-	-	-	-	-	-	3	-	-	-	-	-	4	-

Anushi Chaturvedi	2	-	-	-	-	-	-	2	-	-	-	-	-	4	-
Tina Aranha	2	-	-	-	-	-	-	2	-	-	-	-	-	4	-

20. Areas of consultancy and income generated: NIL

21. Faculty serving in

- a) National committees : NIL  
b) International committees : NIL  
c) Editorial Boards : NIL

22. Student projects

- Percentage of students who have done in-house projects including inter-departmental/programme:  
2016-2017 – 100%  
2015-2016 – 100%  
2014-2015 – 100%  
2013-2014 – 100%  
2012-2013 – 100%  
2011-2012 – 100%
- Percentage of students placed for projects in organizations outside the institutions i.e. in Research laboratories/ Industry/other agencies : NIL

23. Awards /Recognitions received by:

- a) Faculty - NIL  
b) Students -NIL

24. List of eminent academicians and scientists/visitors to the department

Years	Name of the eminent academicians
2016 – 17	Harish Iyer- Human Rights Activist Ambie Parmeswaran- CEO FCB Ulka ; Rahul Nath- Faculty National University Singapore Natalie Portblair- Women’s Rights Activist Akul Tripathi- Head Creative Director, EPIC Channel Aarti Shrivastava- National Award, Documentary Making
2015 – 16	Divya Rajgopalan- Senior Journalist Economic Times ; Gayatri Parmeswaran – International scholar, Netherlands (Erasmus) ; Chaitanya Marpakwar- Senior Civic Journalist Mumbai Mirror

2014 – 15	Divya Rajgopalan- Senior Journalist Economic Times ; Jerry Pinto- Author and Critic ; Shefali Balsara – Academician & director, Literature Live
2013 – 14	Ramakrishna Ramanathan – acclaimed Indian play write and director; Ojhas- Playwrite and Director of Monologue on Irom Sharmila
2012 – 13	Paromita Vohra- Documentary Film maker on Urban Life, Pop Culture and Gender ; Noumaan Qureshi – Head, Healthcare and Education, Adfactors PR
2011 – 12	Dr. Deepak Apte – Director, BNHS India ; Sameera Khan – Author, Women and Public Spaces
2010 – 11	Sunita Narain- Editor of Down To Earth ; Eve Ensler- Global Activist, V-Day ; Hanoz Mogrelia- Global Head, JWT

25. Seminars/Conferences/Workshops organized and the source of Funding:

a) National: NIL

b) International: NIL

26. Student profile programme/course wise: (Interdisciplinary programme): NA

27. Diversity of students: Refer 2.1.5

28. How many students have cleared national and state competitive examinations such as

a) NET: NIL	b) SLET: NIL
c) GATE: NIL	d) Civil services: NIL
e) Defence services: 01	f) Others: NIL

29. Student progression:

Student progression	Against % enrolled				
	2015 - 16	2014 - 15	2013 - 14	2012 - 13	2011-12
UG to PG	20%	48%	55%	44%	48%
PG to M.Phil.	NA	NA	NA	NA	NA
PG to Ph.D.	NA	NA	NA	NA	NA
Ph.D. to Post-Doctoral	NA	NA	NA	NA	NA
Employed	NA	NA	NA	NA	NA
<ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>					
Entrepreneurs/	NA	NA	NA	NA	NA



Student progression	Against % enrolled				
	2015 - 16	2014 - 15	2013 - 14	2012 - 13	2011-12
Self - employment					

30. *Details of Infrastructural facilities*

- a) *Main Library*: 215 books in media studies.
- b) *Departmental Library*: 1(450+ books and 200+ DVDs)
- c) *Internet facilities for staff and students*: 1 computer with internet
- d) *Class rooms with ICT facility*: Common Sharing Facilities.
- e) *Laboratories* : N.A.

31. *Number of students receiving financial assistance from college, university, government or other agencies*: Refer 5.1.2 and 5.1.3

32. *Details on student enrichment programmes (special lectures/workshops/seminar)with external experts* : NIL

33. *Teaching methods adopted to improve student learning*:

- Extensive use of hand-outs from Indian and International magazines and journals.
- Use of multimedia and films.
- Conduct Curriculum Vitae building sessions
- Sociology field visit.
- Training in presentation and interviewing skills.
- Language training.
- Facilitation for internships and placements

34. *Participation in Institutional Social Responsibility (ISR) and Extension activities*:

2016-17

The BMM department provided complete stationery requirement of 80 tribal students in the school at Tara. This year's highlight was an outreach program carried out by the department in association with Chhatrapati Shivaji Maharaj Vastu Sanghralaya to educate students in rural areas about the history and culture of Maharashtra through Museum on Wheels.

2015-16

Provided school stationery for 28 students in Coral village and 110 students in the school at Tara. The department collected and distributed used medical supplies, shelter facilities, used clothes, footwear for the Goonj initiative for the victims of the floods in Assam.

2014-15

Collected and distributed used clothes, books, footwear as well as cash worth Rs.

5500/- in a Spirit of Giving initiative for Goonj. The department provided stationery for school students at Tara village, Karnala.

2013-14

Provided science and geography study material, charts for the school and the complete stationary requirement of 29 tribal girls in the school at Tara. The department continued its outreach programme by collecting and distributing used clothes, books, footwear as well as cash worth Rs. 5500/- in a Spirit of Giving initiative for Goonj in December 2013.

2012-13

Provided cupboards for the school at Tara village, Karnala.

2011-12

Collected and distributed used clothes, books, footwear in a Spirit of Giving initiative for Goonj. The department provided stationery for school students at Tara village, Karnala.

35. *SWOC analysis of the department and Future plans:*

Strengths:

1. Emphasis on rigorous academics through use of Harvard Business Reviews, The Economist, etc.
2. All student projects are live and hands-on
3. Rigorous industrial visits

Weaknesses:

1. Lack of permanent staff
2. Lack of administrator
3. Resource crunch in terms of sophisticated equipment

Opportunities:

1. Cultivate the existing extensive network of alumni and industry stalwarts to facilitate constantly improving live projects and extend our outreach activities
2. Work on the student exchange programs as avenues of exposure and learning for students

Challenges:

1. The need to balance enthusiastic and interested learners with the lesser motivated ones
2. Inputs for students with weak English
3. Increase interface with parents

Future Plans:

1. Collaborate with advertising and Public Relations agencies to carry out live projects
2. Improve quality of equipment for professional quality films and projects

## **Bachelor of Management Studies Department**

1. *Name of the Department:* Bachelor of Management Studies
2. *Year of Establishment:* 1999
3. *Names of programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)*

Sr. No.	Name of Programmes/Courses	Offered
1	U.G.	B.M.S
2	P.G.	NIL
3	Ph.D.	NIL

4. *Names of Interdisciplinary Courses and the Departments/units involved:* NA
5. *Annual/Semester/Choice Based Credit System (programme wise):*  
UG: Credit Based Grading System; Semester System
6. *Participation of the Department in the courses offered by other departments:* NA
7. *Courses in collaboration with other universities, industries, foreign institutions, etc:*
  - Certificate Course in Digital Marketing in association with Knowledge Mould (Industrial Collaboration)
  - Certificate Course in Technical Research in association with Knowledge Mould (Industrial Collaboration)
8. *Details of Courses/Programmes discontinued (if any) with reasons:* NA
9. *Number of teaching posts:*

	Sanctioned	Filled
Professor	NA	----
Associate Professors	NA	----
Asst. Professors	03	03 (sanctioned by Management)

The Management of the College sanctions posts as per the annual needs of the department.

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./M.Phil. Etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Student Guided for the last 4 years
Dr. Z. Homavazir	LLB, M.COM, MBA, PDM, PhD.	Assistant Professor & Coordinator	Business Management	9	NA
Mr. H. Parmar	B.COM, M.COM	Assistant Professor	Finance	5	NA
Ms. K. Solanki	B.Sc, MMS	Assistant Professor and Admin	Business Management	3	NA

11. List of senior visiting faculty:

Sr. No.	Name of Faculty & the period	Educational qualification	Overall Teaching Experience	Classes Taught
1	Ms. Vaishali S.Mehta 2010-2017	Bachelor of Arts, MA, PGDM in marketing Management	8 years	TYBMS SYBMS FYBMS
2	Mr. Vijay M. Kapoor 2010-2017	Bachelor of Science, M.Sc, PDM in Marketing Management	8 years	TYBMS SYBMS
3	Ms. Jyoti Sahni 2010-2017	Masters of Arts, M.Phil, Bachelor of Education	6 years	SYBMS FYBMS
4	Mr. Malcolm Homavazir 2012-2017	Bachelor of Management Studies, LLB, M.Com, MBA and SET Qualified	3 years	TYBMS SYBMS FYBMS
5	Mr. Makarand Thakoor	B.COM, MBA	10 years	TYBMS
6	Mr. Simon Mal 2011-2017	Bachelor of Commerce, MBA	5 years	FYBMS
7	Mr. Vipin Saboo 2015-2017	M.Com, PGDM, BMS	9 years	SYBMS, TYBMS
8	Ms. Bhoomi	B.Engg and MFM	7 years	FYBMS,

	Rathod 2015-2017			TYBMS
9	Mr. Akshat Jain 2014-2017	MBA- Finance, B. Tech, CMT L1 (Certified Market Technician) Program Certified.	3 years	TYBMS
10	Mr. Ritesh Rajput 2016-2017	PGDBM, BMS	1 year	TYBMS
11	Ms. Aarati Pugaonkar 2014-2017	BMS, M.COM, PGDSMC	4 years	SYBMS
12	Ms. Jigna Dharia 2015-2017	B.Com, M.Com, DMM, SET qualified	4 years	SYBMS TYBMS
13	Ms. Gauravi Desai 2014-2016	B.Sc, M.Sc,	5 years	FYBMS
14	Ms. Pooja Jogu 2015-2016	BBI, M.Com, MMS, NET	1 year	SYBMS
15	Ms. Kirti Bhatt 2014-2015	B.Sc, M.Sc in Computer Science	5 years	FYBMS
16	Mr. Shaunak Bhatt 2014-2015	Bachelor of Commerce, MBA (Information Technology)	4 years	FYBMS
17	Mr. Pradeep V. Gupte 2010-2014	Bachelor of Science, PDM in Materials Management and Management Studies, PG in Financial Management	10 years	TYBMS SYBMS
18	Ms. Megha Sharma 2011-2013	B.Sc, Bachelor of Education, MMS.	2 years	TYBMS SYBMS
19	Ms. Ummehani 2011-2014	B.Sc, M.Sc in Computer Science	3 years	FYBMS
20	Dr. Arvind A. Dhond 2013-2014	B.Com, M.Com., NET Qualified, M.Phil, Ph.D. - Business M.Sc., MBA, MFM	11 years	TYBMS
21	Mr. Govind Sowani 2011-2013	BSc, PGDTMM, CAIIB	9 years	TYBMS
22	Mr. Vikram Gopinath Shrotri	M.Phil, MMS, BE, PGDBM	12 years	TYBMS

	2011-2013			
23	Mr. Abhishek Sood 2011-2013	M.Com (Accounts), PE-II(C.A. & CS Inter), NCFM	5 years	TYBMS

12. *Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty (Year-wise):*

Applicable is appx. 70% considering the period available during the semester.

13. *Student Teacher Ratio (Programme - wise):*

F.Y.	S.Y.	T.Y.
Semester I: 1: 29 Semester II: 1: 35	Semester III & IV: Compulsory: 1: 36 Marketing Elective: 1:50 Finance Elective: 1: 22	Semester V: Compulsory: 1: 44 Marketing Elective: 1:20 HR Elective: 1: 3 Finance Elective: 1: 4 Semester VI: Compulsory: 1: 44 Marketing Elective: 1:20 HR Elective: 1: 8 Finance Elective: 1: 6

14. *Number of academic support staff (technical) and administrative staff; sanctioned and filled: NA*

15. *Qualifications of teaching faculty with D.Sc./D.Litt./Ph.D./M.Phil./PG:*

Qualifications	No. of Teachers
Ph.D.	01
M.Phil.	00
PG	02

16. *Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : NIL*

17. *Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received.: NIL*

18. *Research centre/facility recognized by the University*

No
----

19. *Publications: NIL*

20. *Areas of consultancy and income generated: NIL*

21. *Faculty serving in (Name of faculty + details of committees) :*

a) *National committees: NIL*

b) *International committees: Dr. Zuleika Homavazir Satha serves as a board member on the Terry Fox India Committee for Cancer Research.*

c) Editorial Boards: NIL

22. Student projects (Year wise)

- Percentage of students who have done in-house projects including inter-departmental/programme:

	2016-17	2015-16	2014-15	2013-14	2012-13	2011-12
No. of. Students placed for Internships	85%	80%	70%	61%	55%	40%

- Percentage of students placed for projects in organizations outside the institutions i.e. in Research laboratories/ Industry/other agencies:

	2016-17	2015-16	2014-15	2013-14	2012-13	2011-12
No. of. Students placed for Internships	92%	80%	73%	61%	50%	33%

23. Awards /Recognitions received by:

a) Faculty

b) Students

A) Dr. Zuleika Homavazir is a recipient of the following awards:

Sr. No.	Name of Award	Name of Organisation	Year
1	The Female Educationist of the Year Award	Estrade Singapore Education Awards	25th March 2017
2	The Young Woman Educator & Scholar Award	National Foundation for Entrepreneurship Development, Coimbatore	8th March 2017
3	The Education Leadership Award for "The Best Professor in Management"	British Broadcasting Company -BBC Knowledge, Mumbai	18th February 2017
4	The National Mahila Rattan Gold Medal Award and a Certificate of Education Excellence	The Solidarity Council of India, New Delhi	15th February 2017.
5	The Best Educationist Award" and a Certificate of Education Excellence	International Institute of Education and Management, New Delhi	15th February 2017
5	The Outstanding Young Zarathushti Professional of the	World Zoroastrian Chamber of	4 <sup>th</sup> January 2013

	Year' Global Award	Commerce.	
6	Dr. Sarvepalli Radhakrishnan Award	Lions Club International.	5 <sup>th</sup> September 2012

B) NIL

24. *List of eminent academicians and scientists/visitors to the department*

Visitors applicable to our dept: would conduct Guest lectures, workshops and seminars. The details are as follows:

Seminars and Corporate Guest lectures during the Academic Year 2016-17

1	SIEC Study Abroad Seminar	23rd July 2016
2	Career Opportunity in Media Industry	Deviprasad Goenka on 16th December 2016
3	Learning Mandarin	Yeh China Presentation- by Usha Sahoo on 21st December 2016
4	YOU V/s YOU workshop	Sajan Shah, Memory Man of India and youngest motivational speaker of India on 22nd Dec 2016
5	PR as a career option and placements session	Rebecca Martin, HR, The Practice on 16 February 2017.
6	Demonetisation: How relevant and successful was it?	1. Mr. Pramod Karnad, Managing Director, The Maharashtra State Co-operative Bank 2. Mr. Gaurav Kapur, Independent Economist & Ex- Senior Vice President & Senior Economist, RBS 3. Dr. Regan F. Homavazir, Senior Vice President, Darashaw & Co.
7	Digitisation: The Way Ahead - Opportunities and Pitfalls	1. Dr. Sanjay Masand, Director, Reliance Communications 2. Mr. Prabhakar Tiwari, Chief Marketing Officer, Pay U & Founder, Margdarshak Inc. 3. Mr. Sarosh Mistry, Franchisee 7-Eleven Group, Florida, USA. 4. Mr. Sarbajit Ghatak, Business Partner, Efinserve.
8	Talk on Sexual harassment at Workplace and Dents in Social Media	Dr. Pallavi Divekar, Solicitor and Advocate at the Supreme Court and a Partner at Divekar & Company Advocates & Solicitors
9	Skill Development Workshop on Time Management	Ms. Prachi Sharma, Associate Vice President at HSBC



10	Careers in Development Management- Changing Live	Gaurav Shah, Post graduate from IIM - Calcutta and Founder of Indian School of Development Management
11	Skill Development Workshop on Business Negotiations	Regan Homavazir, Senior Vice President, Darashaw & Co. on 24th Jan 2017
12	PG Entrance exams workshop	Ankit Chhichhiya on 30th January 2017

*Seminars and Corporate Guest lectures during the Academic Year 2015-16*

1	Dr. Regan Homavazir, Associate Vice-President, Darashaw & Co.	Introduction to Stock Market
2	SIEC	Study abroad
3	BSc. IT Dept.	Information & Security & SAP Functional Course

*Seminars and Corporate Guest lectures during the Academic Year 2014-15*

1	Mr. Somit Sen, Assistant Editor of Times Of India.	Career Motivation
2	NIIT	E-Commerce & Digital Marketing
3	Ms. Riddhi Padhya , Sense HR	Time Management
4	Ms. Riddhi Padhya , Sense HR	Assertiveness
5	Mr. Manmohan Kohli , President & CEO , Kraft Educational Services	Educational Opportunities Abroad
6	Mr. Luqman Khan, Asst. Manager, Marketing, The Chopras.	Educational Seminar - Study Abroad
7	Ms. Anupriya Kumar , CEO & Lead Advisor, The Global Student.	Curriculum Vitae Building
	Kent Matthews, Dean , Cardiff Business School, U.K.	Enter the Dragon - China in the world economy
8	His Excellency the Right Honourable David Johnston, Governor General of Canada,	High level roundtable discussion on India's Education Future: From Traditional Systems to Innovative Models. Innovation, entrepreneurship and education, with a special focus on the contributions of women and girls

Seminars and Corporate Guest lectures during the Academic Year 2013-14

1	Mr. Nimesh Marfatia, Head of Call-in-trade, Angel Broking Services.	The pre- and post Impact of 2014 Elections on the Stock Market
2	BSE Director, Ms. Dine and Mr. Rajesh Dedhia	Stock Market Gambit
3	Dr. Naresh Chandra, Pro-Vice Chancellor.	Role of Students in Nation Building
4	Dr. Regan Homavazir, Associate Vice-President, Darashaw & Co.	Instruments in Financial Markets
5	Business Standard Team	Business Standard Quiz
6	Mr. Saurabh Arora, Vice President (HR), Morgan Stanley and Mr. Kevin Peres, Vice President (Operations), Morgan Stanley.	Morgan Stanley – Corporate Session and talk
7	Abhishek Joshi, Vice President, Corporate Finance, Mizuho Securities.	Investment Banking

Seminars and Corporate Guest lectures during the Academic Year 2012-13

1	Mr. Singh, CEO, Universal Business School.	The Art of Winning
2	Mr. Neilkanth Pandya, Chief, Bombay Stock Exchange	Virtual Stock Market
3	Mr. Nisar Tamboli, DCP	Cyber Crime
4	Dr. Regan Homavazir, Associate Vice-President, Darashaw & Co.	Fundamentals and Technical Research in the Financial

Seminars and Corporate Guest lectures during the Academic Year 2011-12

1	Mr. Subramaniam Kalpati, Assistant Manager, Jones Lang Lasalle.	Innovation in Business Strategy and Implementation
2	Mr. Rajesh Dedhia, Secretary-Financial Markets – Mr. Hemal Shah, Stock Broker & Professor, Bombay Stock Exchange.	Virtual Stock Market
3	Dr. Regan F. Homavazir, Associate Vice- President, Darashaw.	Fundamentals and Technical Research in the Financial Market

4	Mr. Sanjeev Barai, Vice-President, Yes Bank.	The Sales and Marketing trends in the Banking Sector
---	--	--

25. Seminars/Conferences/Workshops organized and the source of Funding:

a) National: NIL

b) International: Business Conference in January 2017

26. Student profile programme/course wise: (Interdisciplinary programme): NA

27. Diversity of students: Refer 2.1.5

28. How many students have cleared national and state competitive examinations:

a) NET: NIL	b) SLET: NIL
c) GATE: NIL	d) Civil services: NIL
e) Defence services: NIL	f) Others: NIL

29. Student progression: (these are appx. figures)

Student progression	Against % enrolled				
	2015 - 16	2014 - 15	2013 - 14	2012 - 13	2011-12
UG to PG	20%	15%	35%	30%	45%
PG to M.Phil.	---	---	---	---	---
PG to Ph.D.	---	---	---	---	---
Ph.D. to Post-Doctoral	---	---	---	---	---
Employed • Campus selection • Other than campus recruitment	65%	75%	55%	40%	25%
Entrepreneurs/ Self - employment	15%	10%	10%	30%	30%

30. Details of Infrastructural facilities

a) Main Library: Appx 1,000

b) Departmental Library: 42

c) Internet facilities for staff and students: IN THE DEPT.

d) Class rooms with ICT facility: Common Sharing Facilities.

e) Laboratories: NIL

31. Number of students receiving financial assistance from college, university, government or other agencies: Refer 5.1.2 and 5.1.3

32. Details on student enrichment programmes (special lectures/workshops/seminar)with external experts

2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017
Annual Industrial Visit	Annual Industrial Visit	Annual Industrial Visit	Annual Industrial Visit	Two certificate courses	Global Business & International Leadership Program
Annual Social Initiative - HOPE	Annual Social Initiative - HOPE	Annual Social Initiative - HOPE	Annual Social Initiative - HOPE	Annual Industrial Visit	International Business Conference
Annual fest ADOREA	Annual fest ADORE A	Annual fest ADORE A	Annual fest ADOREA	Annual Social Initiative - HOPE	Annual Industrial Visit
Inter-college competitions and awards won	Inter-college competitions and awards won	Inter-college competitions and awards won	Extension Programme with Wilson High School	Annual fest ADOREA	Annual Social Initiative - HOPE
Guest lectures, seminars	Guest lectures, seminars	Guest lectures, seminars	Terry Fox Run	Extension Programme with Wilson High School	Annual fest ADOREA
			Inter-college competitions and awards won	Terry Fox Run	Terry Fox Run
			Guest lectures, seminars	Inter-college competitions and awards won	Inter-college competitions and awards won
			Visit of international dignitaries	Guest lectures, seminars	Guest lectures, seminars
				PR Projects	PR Projects

33. Teaching methods adopted to improve student learning:

- The students are classified as Fast learners and Slow Learners. Fast learners are given more challenging projects and slow learners are given small study projects. Additional intensive coaching in technical subjects is available to all students. All students are encouraged to enroll for certificate courses to encourage them to create new career paths for themselves. The teacher becomes a participant and co-learner in discussion, debates, role playing, asking questions and correcting misconceptions, encouraging learners to seek answers on what they need to know and encourage cooperative and

collaborative learning.

- All students are evaluated through industry related projects, internal tests and semester end examinations to understand their depth of study. Student engagement and training is the key: all students are encouraged to participate in academic as well as inter-college competitions, training them to form, plan, organize, direct and control various co-curricular related task/ project deadlines to encourage interactive learning. Students are encouraged to access the internet to undertake presentations in class on corporate concepts, helping them imbibe knowledge which allows them to self-learn. During presentations, their speaking and communicative skills are highlighted, and their self confidence is enhanced. While preparing assignments and making presentations, they develop their writing skills in terms of language, expression and organization of ideas and also learn time management. While undertaking class level, group, innovative projects, they learn the importance of team-work, co-operation and inter-dependence.
- Students also attend guest lectures, and participate in industry visits and educational tours which give them good exposure to a diverse set of ideas, skills, exposures, places, events and people. Provides students with knowledge and skills for lifelong learning. In addition, as a part of the curriculum the students are expected to undergo four weeks of industrial internship in a reputed industry as also expected to carry out project work for the credits prescribed by their curriculum during the last year of study. Individual Presentations, Group Presentations, Group discussion, debates, role playing, management games, group activities, study tours, virtual projects, corporate internships and student centric learning methods are adopted.

#### 34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

##### Academic Year 2016-2017

1	The Terry Fox Run -19th February 2017	Annual Run for cancer awareness in schools and colleges and to elevate funds for cancer research for Tata Memorial Hospital.
2	Revathon- 5th Feb 2017	Ride for a Cause- Breast Cancer Awareness Initiative
3	OHANA- 19th January 2017	A fund raising Initiative for NGO- Manav Foundation
4	Utsav - 19th December 2016.	Initiative to celebrate Christmas at Dongri Children's Home
5	HOPE 2016- Hand in Hand against Human Trafficking -July 30,2016	The event was organised in association with Navjeevan Centre- A registered NGO working with trafficked women and their children , Rotaract Club of Bombay Bayview and Divya foundation.

Academic Year 2015-2016

1	HOPE SUPPORTS NEPAL Initiative- 17th May 2015	Funds of INR 3,35,189/- (Three Lakh Thirty-five thousand One hundred and eight-nine Rupees only) vide cheques alongwith the substantial amount of groceries and essentials were graciously donated to the Indian Red Cross Society for further transportation to Nepal on 25th May 2015
2	HOPE INITIATIVE 2015: Largest Umbrella Mosaic - July 31, 2015	Wilson BMS raised donations worth more than 2 lakhs for the welfare of cancer children in association with an NGO, Big Brother
3	Adarsh Foundation, an NGO founded by TYBMS Student -Swagatam Majumdar and BMS students	<ol style="list-style-type: none"> <li>1. Story Telling session (Kolkata. 11<sup>th</sup> October 2015)</li> <li>2. Old India Modern India campaign (Mumbai, 18th October 2015 )</li> <li>3. Old India Modern India campaign (Kolkata, 21<sup>st</sup> October, 2015)</li> <li>4. Campaign on Social Awareness (Kolkata, 28<sup>th</sup> October, 2015)</li> <li>5. Adarsh Healthcare (Mumbai, 1<sup>st</sup> November, 2015)</li> <li>6. Sweet Saturday, 2015 (Mumbai, 14<sup>th</sup> November, 2015)</li> <li>7. Uday, 2015 (Kolkata, 15<sup>th</sup> November, 2015)</li> <li>8. Adarsh New Year Challenge 2016 (Mumbai, 31<sup>st</sup> December 2015)</li> <li>9. Adarsh New Year Challenge (Kolkata, 31<sup>st</sup> December, 2015)</li> <li>10. Free Cancer Screening Camp (Mumbai, 18<sup>th</sup> January, 2016)</li> </ol>
4	The Terry Fox Run -21 <sup>st</sup> February, 2016	Annual Run for cancer awareness in schools and colleges and elevated funds of 3.5 crores for cancer research for Tata Memorial Hospital.

Academic Year 2014-2015

1	The Terry Fox Run -February 2015	Annual Run for cancer awareness in schools and colleges and to elevate funds for cancer research for Tata Memorial Hospital. This initiative was supported by Times of India and Mumbai Mirror
2	Dirty Mumbaikars- January 2015	A cleanliness drive was conducted at the Hanging Gardens and awareness was created on dog poo and MCGM rules

		regarding it. This initiative was supported by Hindustan Times.
3	Cybersucked- 21st January 2015	Showcased the extents to which people are sucked into the "cyber world". The mime was succeeded with a talk by well known & seasoned psychologist, Pallavi Bhurkay.
4	HOPE 2014- Super hero Mile - July 30,2014	This initiative was aimed at spreading awareness about child abuse. This initiative was supported by Times of India, Sakaal and My Mumbai.

Academic Year 2013-14

1	STREE- She Matters -February 2015	This initiative was aimed at spreading awareness about cervical cancer. A reputed panel of doctors, gynecologists, oncologists and counselors were on call to share their knowledge on the topic, the event ended with lamps being lit and released out in the Arabian Sea as a tribute to the Cancer Survivors. This initiative was supported by Youth Tube.
2	MUSKAAN : 13th February'14	BMS students strived to make a difference as part of the Valentine's Day celebrations in the lives of the resident girls at Regina Pacis. Story books, stationery and coloring books were distributed.
3	HOPE 2013- Zombie Walk -July 27, 2013	This initiative was launched to voice the fight against hunger and to spread awareness on rising poverty in Mumbai. The initiative was supported by a number of newspapers.

Academic Year 2012-13

1	Inter-Generation Gap	A seminar in collaboration with Mumbai Police to bridge the increasing gap between senior citizens, the elderly and the young minds. A talent show was organized for the senior citizens. This initiative was supported by DNA.
2	I Pledge	An initiative to spread literacy on Eye-Donation amongst youth in South Mumbai. The initiative received an overwhelming support with more than

		700 pledges. This campaign was well appreciated by the Times of India Group.
3	Four Legged and Speechless	Undertook a vaccination drive for stray animals at Chowpatty and Babulnath. A seminar in association W.S.D – Welfare of Stray Dogs was organized. This campaign received due mention in The Asian Age.
	“Dance for a Life- India's largest flashmob.- 28 <sup>th</sup> of July 2012	A voice against female infanticide and against the appalling trend of blatant violation of a woman’s right to equality and save the girl child.

*Academic Year 2011-12*

1	Youth For India” Performance Bike Rally- 21st of August 2011	A rally to support old age home "Jeevan Asha". Our efforts to undertake such an extraordinary event has been greatly appreciated vide appreciation letters received from Our Honourable Chief Minister, Shri Prithviraj Chauhan and from Our Minister of Higher & Technical Education Government of Maharashtra, Shri Rajesh Tope.
---	--	--

35. SWOC analysis of the department and Future plans:

Strengths:

1. The department has been ranked as the 4<sup>th</sup> best in the country through the Nielsen Survey published by the Times Today group in 2012 with Placements over 70% and summer internships over 90%
2. A self sustained department- Self funding for all departmental co-curricular activities
3. Renowned Community Outreach Programs - basis of ISR

Weaknesses:

1. Diverse student community in terms of cultural, linguistic and financial background.
2. Paucity of time for the teachers for research work

Opportunities:

1. Locational advantage for strengthening academia-industry linkages
2. Certificate programs to develop student competency at global level
3. Focus and enable students to be University rankers

Challenges:

1. Streamlining collaborations and consultancy
2. Sustaining quality along with access (management quota)



3. To refine and develop the infrastructural facilities of the department.

Future Plans:

1. Student & corporate mentorship program
2. Encourage e-learning with classroom learning
3. Encourage international student exchange collaborations

### **Information Technology Department**

1. *Name of the Department:* Information Technology

2. *Year of Establishment:* 2007

3. *Names of programmes / Courses offered*

Sr. No.	Name of Programmes/Courses	Offered
1	U.G.	B.Sc. (IT)
2	P.G.	M.Sc. (IT) (Since 2016 – 17)
3	Ph.D.	--

4. *Names of Interdisciplinary Courses and the Departments/units involved:* NIL

5. *Annual/Semester/Choice Based Credit System (programme wise):*

UG: Credit Based Grading System; Semester System

PG: Credit Based Grading System; Semester System

6. *Participation of the Department in the courses offered by other departments:* Gauravi Desai took BMS Paper 'Computer Applications in Business' in the year 2015-16.

7. *Courses in collaboration with other universities, industries, foreign institutions, etc:*

Date / Duration	Name of Institution / Organisation	Purpose of Collaboration
JAN 2014	ZEN Technologies	Conducting 16 hour Certificate BASIC Course CSCU – Certified Secure Computer User
APR 2014	ZEN Technologies	Conducting 16 hour Certificate BASIC Course CSCU – Certified Secure Computer User
JULY 2014	ZEN Technologies	Conducting 16 hour Certificate BASIC Course CSCU – Certified Secure Computer User
OCT 2014	ZEN Technologies	Conducting 20 hour Certificate FOUNDATION Course in CSCU – Certified Secure Computer User
JAN 2016	EBTS–Enterprise Building Training Solutions LLP	Conducting 21 hour Certificate Course in SAP ABAP
APR 2016	EBTS	For teachers

		6 - day workshop on Business Analytics and Presentation Techniques using MS Excel
APR 2016	EBTS	For students 20-hr Basic Analysis Techniques in MS Excel, under an IQAC initiative 'Expanding Intellectual Horizons'
Jan- Feb 2017	ATS Infotech	20 hour Microsoft certification training in C# & ASP.Net for SY & TY students

8. Details of Courses/Programmes discontinued (if any) with reasons : NIL

9. Number of teaching posts:

	Sanctioned	Filled
Professor	NA	--
Associate Professors	NA	--
Asst. Professors	(Sanctioned by Mgmt.)	04

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./M.Phil. Etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Student Guided for the last 4 years
Ms. G. Desai	M.Sc	Asst. Professor	Computer Science	3.5	NIL
Ms. R. Jain	M.Sc	Asst. Professor	Information Technology	3.5	NIL
Mr. M. Monserrate	M.Sc	Asst. Professor	Information Technology	1.5	NIL
Ms. S. Mahajan	M.Sc	Asst. Professor	Computer Science	0.5	NIL

11. List of senior visiting faculty:02

- Ahtesham Shaikh M.Sc. (CS), MBA  
M.Sc.-I Sem I Distributed Systems  
Sem II Advanced DBMS
- Neha Ansari M.Sc.(IT) M.Phil.

M.Sc.-I      Sem I      Data Analysis and Tools  
 Sem II      Cloud Computing & Ubiquitous Systems

12. *Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty( Year-wise) :*

	<u>UG</u>	<u>PG</u>
2016-2017	100%	100%(Visiting faculty)
2015-2016	100%	--
2014-2015	100%	--
2013-2014	100%	--
2012-2013	100%	--
2011-2012	100%	--

13. *Student Teacher Ratio*

F.Y.	S.Y.	T.Y.	M.Sc.
1 : 14	1 : 11	1 : 18	1 : 4

14. *Number of academic support staff (technical) and administrative staff; sanctioned and filled:*

Technical Staff:      02      Sanctioned by Management  
 Administrative Staff:      05      Sanctioned by Management

15. *Qualifications of teaching faculty with D.Sc./D.Litt./Ph.D./M.Phil./PG:*

Qualifications	No. of Teachers
Ph.D.	--
M.Phil.	--
M.A./M.Sc.	04

16. *Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : NIL*

17. *Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received.: NIL*

18. *Research centre/facility recognized by the University*

No
----

19. *Publications : NIL*

20. *Areas of consultancy and income generated : NIL*

21. *Faculty serving in*

- a) *National committees : NIL*
- b) *International committee s: NIL*
- c) *Editorial Boards : NIL*

## 22. Student projects (Year wise)

- a) Percentage of students who have done in-house projects including inter-departmental/programme: 100% Projects as per syllabus requirement.
- b) Percentage of students placed for projects in organizations outside the institutions i.e. in Research laboratories/ Industry/other agencies: NIL

## 23. Awards /Recognitions received by:

- a) Faculty: NIL
- b) Students: Subhojit Chatterjee stood FIRST in IT in Mumbai university with 91% marks in 2013-14.

## 24. List of eminent academicians and scientists/visitors to the department :

Year	Eminent Scientists
2016 - 17	Prof.Venugopal Iyengar * Ms Lajvanti Sharma, Centre Head NIIT(Grant Road) Ms Vidya Pingle, Director, Impetus Consultrainers
2015 - 16	Prof.Venugopal Iyengar * Ms Lajvanti Sharma, Centre Head NIIT(Grant Road) Ms Sushma Barve, Director, Impetus Consultrainers
2014 - 15	Mr Samuel Zakariah, Director, CompuTrain Mr ----- Representative, Frazer Valley University, Toronto
2013 - 14	Mr Saurabh Sisodiya, Regional Manager, EC-Council in India
2012 - 13	Head, Mahindra Special Services Group (Trainers, Ethical hacking)
2011 - 12	Mr Samuel Zakariah, Director, CompuTrain

## 25. Seminars/Conferences/Workshops organized and the source of Funding:

- a. National : NIL
- b. International : NIL

## 26. Student profile programme/course wise: (Interdisciplinary programme): NIL

## 27. Diversity of students: Refer 2.1.5

## 28. How many students have cleared national and state competitive examinations such as

a) NET: Date not available.	b) SLET: Date not available.
c) GATE: Date not available.	d) Civil services: Date not available.
e) Defence services: Date not available.	f) Others: Date not available.

## 29. Student progression:

Student progression	Against % enrolled				
	2015 - 16	2014 - 15	2013 - 14	2012 - 13	2011-12
UG to PG	20%	20%	20%	20%	20%
PG to M.Phil.	NIL	NIL	NIL	NIL	NIL
PG to Ph.D.	NIL	NIL	NIL	NIL	NIL
Ph.D. to Post-Doctoral	NIL	NIL	NIL	NIL	NIL
Employed					
• Campus selection	27%	33%	15%	7%	58%
• Other than campus recruitment	48%	42%	60%	71%	17%
Entrepreneurs/ Self - employment	5%	5%	5%	5%	5%

## 30. Details of Infrastructural facilities

a) Main Library: 314 books

b) Departmental Library: 313 books

c) Internet facilities for staff and students: 3 Computers in Lab Admin area for Staff and Students with Internet connectivity upto May 2016. Coordinator's room has a computer with internet.

d) Class rooms with ICT facility: From August, 2016, 3 IT classrooms have mounted overhead LCD projectors and CCTV cameras.

e) Laboratories: 2 large spacious labs with 71 and 72 computers and a smaller lab with 28 computers having CCTV Cameras, mounted overhead LCD Projectors and Speaker Systems.

31. Number of students receiving financial assistance from college, university, government or other agencies: Refer 5.1.2 and 5.1.3

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts (include industrial visits and highlight very briefly the academic gain and the experts met thereof:

Title of Lecture / Workshop / Seminar	Dates	Organisers
Career Guidance for the FYs	23/07/2014	SEED Infotech
DotNet versus Java for the TYs.	23/07/2014	SEED Infotech
Guidance on Android Application Development for SYs and TYs	26/07/2014	NIIT
Work Culture of the IT Industry	28/07/2014	Akif Dadan, CS alumnus
Guidance on Going for Higher Studies Abroad for the TYs.	02/08/2014	Kraft Educational Services
Cloud Computing and Ethical Hacking for FYs and SYs.	16/08/2014	NIIT
Studying in Canada for FYs and SYs.	17/12/2014	CompuTrain
Studying in Canada for the TYs	23/01/2015	CompuTrain
Mobile App Development	18/02/2015	EDIT
Project Guidance by SEED InfoTech for TY CS/ IT students	24 <sup>th</sup> July 2015	SEED Infotech
Interaction with college alumnus(1976) Industry expert Prof Venugopal Iyengar regarding future technological trends in	14 <sup>th</sup> Jan 2016	--
SAP Technical Intro lecture for SY, TY students of CS & IT classes by EBTS	27 <sup>th</sup> Nov 2015	EBTS
Information Security course lecture for CS, IT students by EBTS	5 <sup>th</sup> Feb 2016	EBTS
Practical hands – on workshop on ‘How to make the software project’	12,13 Jan 2017	Zartaj Nakhwa, CEO, Asterix Solution

33. Teaching methods adopted to improve student learning:

- Remedial Lectures for difficult topics.
- Revision Lectures for late admission in FY BSc(IT).
- Extra Coaching in Maths and Electronics for students with Commerce Background.
- ICT Based Teaching along with use of chalk and board.
- Mind Mapping and Concept Mapping.

- Discussion Method.
- Role Play in Business Communication Class.
- Revisions Test on topics completed in previous lecture.
- Giving notes to students for reference.
- Assignments on Advanced Programming Techniques .
- Group Presentations on topic given by teachers.
- Electronic Projects for FYBSc(IT) Students
- Mini Projects in Database Interface and Connectivity for SYBSc(IT) Students.

34. *Participation in Institutional Social Responsibility (ISR) and Extension activities: Write only about particular Departmental outreach and not about students in NSS etc : NIL*

35. *SWOC analysis of the department and Future plans:*

Strengths:

1. Good infrastructure.
2. Up to date main and department libraries.
3. Well equipped labs.

Weaknesses:

1. Student irregularity leads to poor performance
2. Research activity lacking.
3. Teacher attrition rate high, leading to constant training of manpower.

Opportunities:

1. Use of ICT more effectively in class.
2. Making student more industry ready by having certificate courses.
3. Doing more student centric activities to motivate them.

Challenges:

1. Falling TY strength
2. Students loosing focus of academics.
3. Other subject students becoming IT experts and competing in placement.

Future Plans:

1. Every teacher presenting a paper in a conference.
2. Organising a state or a national level conference.
3. Improving overall results.



**B.A.F. Department**

1. *Name of the Department* : Bachelor of Commerce in Accounting and Finance

2. *Year of Establishment* : 2016-17

3. *Names of programmes / Courses offered*

Str. No.	Name of Programmes/Courses	Offered
1	U.G.	B.A.F

4. *Names of Interdisciplinary Courses and the Departments/units involved*: NIL

5. *Annual/Semester/Choice Based Credit System (programme wise)*:

UG: Credit Based Grading System; Semester System

Choice Based Credit System (2016 – 17)

6. *Participation of the Department in the courses offered by other departments*: NIL

7. *Courses in collaboration with other universities, industries, foreign institutions, etc*:

- Certificate Course in Digital Marketing in association with Knowledge Mould (Industrial Collaboration)
- Certificate Course in Technical Research in association with Knowledge Mould (Industrial Collaboration)
- Certificate Course on Equity Markets, BAF department has MoU with Cognizance Education Pvt. Ltd., Mumbai.

8. *Details of Courses/Programmes discontinued (if any) with reasons*: NIL

9. *Number of teaching posts*:

	Sanctioned	Filled
Professor	NA	----
Associate Professors	NA	----
Asst. Professors	01	01

The Management of the College sanctions posts as per the annual needs of the department.

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt./Ph.D./M.Phil. Etc.,)

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Student Guided for the last 4 years
Ms. S. Jhunjhunwala	M.Com., SET, PGDBA(FINANCE).	Assistant Professor	Advanced Accountancy	01	NIL

11. List of senior visiting faculty: 05

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty( Year-wise) :

	<u>UG</u>	<u>PG</u>
2016-2017	50 %	NIL

13. Student Teacher Ratio (Programme - wise):

F.Y.	S.Y.	T.Y.	M.Sc.
1:60	-----	-----	---

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: NIL

15. Qualifications of teaching faculty with D.Sc./D.Litt./Ph.D./M.Phil./PG:

Qualifications	No. of Teachers
Ph.D.	Nil
M.Phil.	Nil
M.Com.	01

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : NIL

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received.: NIL

18. Research centre/facility recognized by the University

No
----

19. Publications: NIL

20. Areas of consultancy and income generated: NIL

21. Faculty serving in

a) National committees: NIL

b) International committees: NIL

c) *Editorial Boards*: NIL

22. *Student projects*

- *Percentage of students who have done in-house projects including inter-departmental/programme*: NIL
- *Percentage of students placed for projects in organizations outside the institutions i.e. in Research laboratories/ Industry/other agencies*: NIL

23. *Awards /Recognitions received by:*

a) *Faculty*: Ms. Soniya Jhunjunwala received “Leadership Excellence Award” from Global Vision (Cancer Care NGO).

b) *Students*: NIL

24. *List of eminent academicians and scientists/visitors to the department*: NIL

25. *Seminars/Conferences/Workshops organized and the source of Funding*:

a) *National*:NIL

b) *International*: NIL

26. *Student profile programme/course wise: (Interdisciplinary programme)*:NIL

27. *Diversity of students*: Refer 2.1.5

28. *How many students have cleared national and state competitive examinations*: NIL

29. *Student progression: (these are appx. figures)*

Student progression	Against % enrolled				
	2015 - 16	2014 - 15	2013 - 14	2012 - 13	2011-12
UG to PG	-	-	-	-	-
PG to M.Phil.	-	-	-	-	-
PG to Ph.D.	-	-	-	-	-
Ph.D. to Post-Doctoral	-	-	-	-	-
Employed	-	-	-	-	-
<ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus recruitment</li> </ul>					
Entrepreneurs/ Self - employment	-	-	-	-	-

30. *Details of Infrastructural facilities*

a) *Main Library*:35

b) *Departmental Library*: Nil

c) *Internet facilities for staff and students*: 01

d) *Class rooms with ICT facility:* Common Sharing Facilities.

e) *Laboratories:* NIL

31. *Number of students receiving financial assistance from college, university, government or other agencies:* Refer 5.1.2 and 5.1.3

32. *Details on student enrichment programmes (special lectures/workshops/seminar)with external experts*

2016-2017
<ul style="list-style-type: none"> <li>• One certificate course</li> <li>• Annual Industrial Visit</li> <li>• Annual Social Initiative – CANCER AWARENESS DRIVE</li> <li>• Guest lectures, seminars</li> </ul>

33. *Teaching methods adopted to improve student learning:* Individual Presentations, Group Presentations, Group discussion, debates, role playing, management games, group activities, study tours, virtual projects, corporate internships and student centric learning methods are adopted.

34. *Participation in Institutional Social Responsibility (ISR) and Extension activities:*

2016 – 17

- Cancer Awareness Drive on 4<sup>th</sup> February 2017(WORLD CANCER DAY):

4th February 2017 being celebrated as "WORLD CANCER DAY " at international level, A Cancer Awareness Drive was organised by Wilson college B.Com(Accounting and Finance) Department in association with Global Vision, Cancer Care NGO from Wilson College main gate to Gateway of India.

Many students from the college and students from other colleges voluntarily participated in the drive. The drive was headed by Miss Soniya Jhunjhunwala, Head of the Department (B.com Accounting and finance) under the guidance and support of the principal Dr. V.J.Sirwaiya and the Director of unaided courses Dr. T.A. Shiware. The event was graced and honoured by the presence of Chief Guests Dr. Pallavi Darade, IRS, Additional municipal commissioner along with Miss Priyanka chand , Television Star and Mr. Vishnu Adhikari, Trustee and General secretary of Global Vision, cancer Care NGO. The drive was organised to create awareness and to educate the people especially the young youth about the precautions to be taken to avoid such deadly disease and in the loving memory of every cancer patient who has lost the battle with cancer and the one's who continues to fight for it. This initiative was supported by Navbharat Mumbai Plus.

Extension Activities: BAF students attended and participated in Two Conferences organized by Indian Chambers of Commerce.

- Investment and Innovation Summit 2016:The Conference provided an insight on Global Economy, Indian Economy, Equity Markets, Mutual Funds, Insurance for wealth protection, technology and Innovation impact on investment and wealth creation etc. The conference addressed the best Investment issues and best asset allocation strategy for investors by bringing together industry leaders, investment & fund managers, regulators and finance professionals to provide a comprehensive perspective.
- Fintech Summit 2016:The Conference was organized for facilitating conclusive discussions on critical issues prevailing in the Fintech Industry in the presence of industry experts , regulators and other stakeholders. The Conference will delve on the latest developments in the Fintech space and the impact of the emerging technologies.

35. *SWOC analysis of the department and Future plans:*

Strengths:

1. A self sustained department- Self funding for all departmental co-curricular activities.

Weaknesses:

1. Diverse student community in terms of cultural, linguistic and financial background.
2. Paucity of time for the teachers for research work

Opportunities:

1. Locational advantage for strengthening academia-industry linkages
2. Certificate programs to develop student competency at global level

Challenges:

1. Streamlining collaborations and consultancy
2. Sustaining quality along with access (management quota)
3. To refine and develop the infrastructural facilities of the department

Future Plans:

1. Student & corporate mentorship program
2. More focus on remedial & bridge sessions
3. Encourage e-learning with classroom learning
4. Encourage international student exchange collaborations



# **Post Accreditation Initiatives**

## **Post Accreditation Initiatives on Quality Sustenance and Enhancement Initiatives**

Wilson College is due for its third cycle of accreditation. In its first cycle we were accredited with an A grade and in the second cycle we again got an A grade with CGPA of 3.10. Hence Wilson College has always worked towards quality sustenance and providing scope for improvement and enhancement.

A major challenge after the second NAAC cycle was to push the college to do a lot more than what was already being done. At the undergraduate level with 18 hours of teaching a week, mentoring, co-curricular activities time and energy had to be made to do more.

The first step was to create a vibrant IQAC which was broad based. At the institutional level, the principal, teachers with varying teaching experiences and abilities, the college registrar and accounts superintendent constituted the committee. The external members were from the academia and management.

Aiming at excellence, all stakeholders have been working directly and indirectly towards the goal. There is a dialogue between the management, Principal, IQAC, staff, students, alumni and society at large which has constantly allowed Wilson College to move forward. Our quality sustenance and enhancement is guided by the college mission, evolving vision and institutional objectives.

As per the recommendations of the NAAC Peer Team who visited the College in 2011, the following measures have been initiated towards quality enhancement.

- ***Introduction of more relevant programmes applicable to urban Mumbai environment at UG and PG level.***

Keeping in tune with the contemporary sensibilities new programmes have been introduced. At the undergraduate level BAF, at post graduate level M.Sc. (IT). The college has applied for Bachelor of Computer Applications course in collaboration with the YashwantraoChavan Maharashtra Open University, (Nasik). Besides these 1 Diploma Course, 15 Certificate Courses, 1 Skill Based Certificate Course have been introduced. Many of these are in collaboration with prestigious institutes of higher learning, industry. Relevant to the Mumbai environment we have introduced two courses: Local Culture (in collaboration with the Asiatic Society of Mumbai), Heritage Management and Conservation (in collaboration with the K. R. Cama Oriental Institute).

- ***Enrichment of existing programmes by add-on courses and COPs***



The existence of existing courses has been strengthened by series of lectures, seminars, workshops organised under the following categories to cater to the diverse student community the College

Expanding Intellectual Horizons (for advanced learners),  
 Enrichment Lectures (enhancing the syllabus),  
 Thinkers' Forum (Talks by eminent thinkers/scientists),  
 Good Citizens' Forum (Persons from public life).

- ***Strengthening research activities by motivating faculty to develop a strong research culture***

The formation of a Research Committee the increase in UGC funding for research and up gradation of resources, getting of DST Fist grant, the increase in major and minor projects has given research a major boost. Student research has got a big boost as students routinely present papers across colleges and at the University. An important part of several seminars in college, are separate sessions for students paper presentations. Several staff and students have won prizes for research paper and poster presentations. .

- ***Teachers are supported by providing seed money to apply for major and minor research projects***

The management understands the need of Research as a part of academic growth. Since the UGC grants take time to be released, the college provides an advance to researchers till the second instalment of the grant comes. They have provided seed money for research in their budget: Rs 50,000/ for staff research and Rs.50, 000/for students' research. 5 faculty and 7 students have availed of the grant in 2016-17. Infrastructure appropriate to research has also been upgraded as per needs with UGC and management funding.

- ***Long term perspective plan to be created for academic development taking the legacy and heritage into consideration***

The Perspective plan of the college is tabled in 6.2.2

- ***Collaborations with major industries, research institutions be created Linkage with other research establishments to be explored***

Collaborations, Linkages, signing of MOUs have been initiated in this NAAC cycle. 16 MOUs have been signed and 8 formal collaborations are in place. The College has benefited from these collaborations and linkages in terms of collaborating on the running certificate courses, rise in placements and internships, guest lectures. With



increasing research in the college, the number of collaborations and signing of MOUs will increase. Similarly collaboration and establishing linkages with various NGOs has increased.

- ***Language laboratory with UGC assistance be created***

Language courses languages like Mandarin have been initiated.

- ***Wi-fi campus to facilitate study and research facility be created***

Wi- fi facilities are available at several places in the newly established St. Andrews House for Self-financing courses and across science departments The college is planning to have wi-fi connectivity on the entire campus.

- ***IQAC be strengthened to monitor and plan academic growth***

One major step in this direction was the restructuring of the IQAC and coming up with tangible objectives. Each year certain activities/ goals were identified The IQAC took up each area of concern and began working on solutions right from curricular and examination feedback which was conveyed to the Boards of studies and other appropriate authorities, to research, to environmentally practices, to outreach, to increasing ICT, to making learning relevant in terms of employability and the starting of certificate courses. Academic and infrastructural changes have been initiated by the IQAC. At the administrative level, several training session have been initiated. Under the guidance of the IQAC Academic Audit, Administrative Audit, Gender Audit, Green Audit was conducted with external Audit teams.

- ***Alumni association to be formally established with an interactive platform***

The Alumni have been actively associated with all activities in the college and offering academic and financial support. An alumnus has contributed a large sum of money which has helped in the infrastructural enhancement. The Alumni Association is not registered, however there is an alumni committee comprising of staff and alumni.

***Infrastructural facilities for computer and IT labs may be enhanced***

**The IT and Computer Labs have had a complete overhaul. In the IT and Computer labs there are 171 computer systems in place. Every lab has an intensive scanning printing facilities. The College has subscribed to lease line**

**internet connectivity. There is a hardware firewall for security and monitoring purpose.**

Quality enhancement is an evolving and continuous process. Besides implementing the recommendations of the previous NAAC peer team, the college is constantly endeavouring to explore other parameters of excellence.

***College may strive to achieve autonomous status or full constituent status from Mumbai University.***

The College is exploring the possibility of obtaining for an autonomous status from the Mumbai University. Meetings and workshops have been held with colleges that have pursued the part of autonomy and we are seeking guidance from them.

Wilson College, Mumbai 400 007, RAR – 3<sup>rd</sup> Cycle 2017

**Declaration by the Head of the Institution**

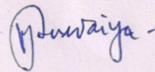
I certify that the data included in this Self – study Report (SSR) are true to the best of my knowledge.

This SSR is prepared by the institution after internal discussions, and no part thereof has been outsourced.

I am aware that the Peer team will validate the information provided in this SSR during the peer team visit.

Place: Mumbai

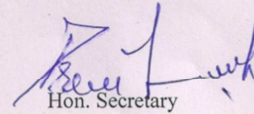
Date: 31<sup>st</sup> March 2017.



Signature of the Head of the Institution

with seal.

**Principal  
Wilson College  
Mumbai - 400 007.**



Hon. Secretary

J.W.E.S

**PREM MASIN  
Honorary Secretary  
John Wilson Education Society  
Chowpatty, Mumbai 400 007**

*Printed on recycled waste paper from Wilson College and processed by Stree Mukti Sangathana*





# Annexures

**ANNEXTURE No. 1**

**Accreditation Certificates**

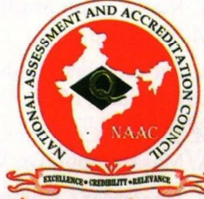
**1<sup>st</sup> Cycle**





2<sup>nd</sup> Cycle

## NAAC Certificate of Re-Accreditation



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद

विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

An Autonomous Institution of the University Grants Commission

# Certificate of Accreditation

*The Executive Committee of the  
National Assessment and Accreditation Council  
on the recommendation of the duly appointed  
Peer Team is pleased to declare the  
John Wilson Education Society's  
Wilson College  
Chowpatty, Mumbai, affiliated to University of Mumbai, Maharashtra as  
Accredited  
with *CSPA* of 3.10 on four point scale  
at *A* grade  
valid up to November 29, 2016*

Date : November 30, 2011



*H. K. Kulkarni*  
Director

EC/57/RAR/47

2<sup>nd</sup> Cycle

राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद

एन.ए.ए.ए.सी. अखिल भारतीय विश्वविद्यालय आयोग

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

An Autonomous Institution of the University Grants Commission

## Quality Profile

Name of the Institution : John Wilson Education Society's  
Wilson College

Place : Chowpaty, Mumbai, Maharashtra

Criteria	Weightage ( $W_i$ )	Criterion-Wise Grade Point Averages ( $Cr. GPA$ )	$W_i \times Cr. GPA$
I. Curricular Aspects	371	3.00	1113
II. Teaching-Learning and Evaluation	450	3.07	1382
III. Research, Consultancy and Extension	111	2.57	285
IV. Infrastructure and Learning Resources	101	2.91	294
V. Student Support and Progression	100	3.70	370
VI. Governance and Leadership	150	3.00	450
VII. Innovative Practices	050	2.60	130
Total	$\sum_{i=1}^7 W_i = 1000$		$\sum_{i=1}^7 W_i \times Cr. GPA = 3102$

$$\text{Institutional Score} = \frac{\sum (W_i \times Cr. GPA)}{\sum W_i} = \frac{3102}{1000} = \boxed{3.10}$$

Grade = **A**

Descriptor = **VERY GOOD**

Date : November 30, 2011



HARJAN  
Director

- This certification is valid for a period of Five years with effect from November 30, 2011
- An institutional CGPA on four point scale in the range of 3.01 - 4.00 denotes A grade (Very Good), 2.01 - 3.00 denotes B grade (Good), 1.51 - 2.00 denotes C grade (Satisfactory)
- Scores rounded off to the nearest integer

**ANNEXTURE No. 2****Peer Team Report**

Peer Team Report –Wilson College

**PEER TEAM REPORT ON**  
**Institutional Re-Accreditation of Wilson College**  
**Chowpatty, Mumbai -400 007**

Section I: GENERAL	Information
1.1 Name & Address of the Institution:	Wilson College Chowpatty, Mumbai -400 007
1.2 Year of Establishment:	1836
1.3 Current Academic Activities at the Institution (Numbers):	
• Faculties/ Schools:	Arts, Science, Commerce
• Departments/ Centres:	Arts-9, Science-10, Commerce -1, Total - 20
• Programmes/ Courses offered:	UG-19, PG-4, M.Phil - 0, PhD - 4 Total - 27
• Permanent Faculty Members:	59 + 23 temporary
• Permanent Support Staff:	94
• Students:	1748
1.4 Three major features in the institutional Context (As perceived by the Peer Team):	<ul style="list-style-type: none"> <li>• College with a legacy of 175 years and established before Bombay Univ. came into existence.</li> <li>• Grant-in-aid, Co-educational Degree College recognized by U.G.C under 2f and 12B, and also a junior college functions in the same banner in the campus.</li> <li>• Urban College located in the central part of South Mumbai with more than 50% women students and housed in buildings declared under heritage and monuments act.</li> </ul>
1.5 Dates of visit of the Peer Team (A detailed visit schedule may be included as Annexure):	15-09-2011 to 17-09-2011
1.6 Composition of the Peer Team which	

NAAC For quality and excellence in Higher Education

*Handwritten signature*  
2  
12-5-11



## Peer Team Report

Peer Team Report – Wilson College

undertook the on- site visit:	
Chairman	Prof. K. Kunhikrishnan Former Pro-VC, Kannur University, Kerala Magdalene, 24 <sup>th</sup> Main, BTM Layout 2 <sup>nd</sup> Stage, Bangalore
Member	Sr. Philomina Cardoza Director, Jyoti Nivas College, Tarbes Nivas, No. 47, Promenade Road Fraser Town, Bangalore-560 005
Member-Coordinator	Prof. A. V. Prasada rao Chairman, Faculty of Science, School of Chemistry, Andhra University Visakhapatnam-530 003
Assistant Advisor - NAAC	Dr.Sujata P. Shanbhag
Section II :: Criterion wise Analysis	Observations (Strengths and/or weaknesses) on Key Aspects
<b>2.1 Curricular Aspects:</b>	
2.1.1 Curricular Design & Development:	<ul style="list-style-type: none"> <li>Follows syllabi prescribed by Mumbai University</li> <li>Few faculty members being on the Boards of Studies contribute to curricular Design</li> <li>Value added programmes and COP not introduced as part of Programmes.</li> </ul>
2.1.2 Academic Flexibility:	<ul style="list-style-type: none"> <li>Offers 19-U.G , 4 -P.G., and 4Ph.D programs of which 6 U.G programs are under self finance stream</li> <li>Academic flexibility as per university norms</li> <li>3 U.G. programs offered under credit semester system from the current year</li> </ul>
2.1.3 Feedback on Curriculum	<ul style="list-style-type: none"> <li>Feedback on teaching collected from students</li> <li>Strategies for systematic analysis of feed back yet to be developed</li> <li>student feedback on teachers require analysis for effective classroom interaction</li> </ul>
2.1.4. Curriculum Update	<ul style="list-style-type: none"> <li>Affiliating University updates syllabi periodically for every three to five years as per the norms of statutory bodies</li> <li>Under graduate programs revised during current year under CBCS</li> </ul>
2.1.5 Best Practices in Curricular Aspects (If any):	<ul style="list-style-type: none"> <li>Academic Calendar and Academic diaries maintained by all the teachers</li> </ul>

NAAC For quality and excellence in Higher Education *Handwritten Signature*  
17-9-11

## Peer Team Report

## Peer Team Report –Wilson College

	<ul style="list-style-type: none"> <li>• Student Project work made part of some course work</li> </ul>
<b>2.2 Teaching-Learning &amp; Evaluation:</b>	
2.2.1 Admission Process and Student Profile	<ul style="list-style-type: none"> <li>• Admission transparent and as per university norms. Christian minority given special reservation.</li> <li>• Admissions for all courses processed by College as per norms.</li> <li>• Admission demand in general show comparatively better ratio.</li> </ul>
2.2.2 Catering to the Diverse Needs:	<ul style="list-style-type: none"> <li>• Slow learners are to be identified through periodic class tests and remedial classes to be arranged for all programmes.</li> <li>• Student mentoring system in existence</li> <li>• Facilities for differently abled, visually challenged is taken care of as a special project which is commendable.</li> </ul>
2.2.3 Teaching-Learning process	<ul style="list-style-type: none"> <li>• Predominantly lecture method followed, supplemented by field trips and visits to Industrial and Research organizations</li> <li>• Use of modern teaching aids encouraged in student presentations</li> <li>• Student evaluation of teachers collected in the form of questionnaire</li> </ul>
2.2.4 Teacher Quality:	<ul style="list-style-type: none"> <li>• Out of 59 permanent teachers, 25 Ph. D awardees, 13 M. Phil awardees and 25 NET/SET qualified</li> <li>• Management recruits faculty in self finance courses and also in existing vacancies on temporary basis</li> <li>• Faculty members not deputed for FDP in the last few years</li> </ul>
2.2.5 Evaluation Process and Reforms:	<ul style="list-style-type: none"> <li>• Evaluation process informed to students at the beginning of academic year</li> <li>• Central evaluation by the University for P.G and 3<sup>rd</sup> year U.G courses</li> <li>• Credit semester system for 40% internal component introduced in current year by the university.</li> </ul>
2.2.6 Best Practices in Teaching-Learning and Evaluation (If any):	<ul style="list-style-type: none"> <li>• Conduct of an intensive six week</li> <li>• Cooperative Education Program (CEP) to develop management, life skills and leadership to second year students.</li> </ul>

NAAC For quality and excellence in Higher Education

*Handwritten signature and date*  
 2/2/17



## Peer Team Report

Peer Team Report – Wilson College

2.3 Research, Consultancy & Extension:	
2.3.1 Promotion of Research:	<ul style="list-style-type: none"> <li>• Research activities visible in a few science and language departments during the post accreditation period</li> <li>• Institutional budgetary provision for research developmental activities not present</li> <li>• Research committee to monitor and promote research activities amongst faculty is to be formalised</li> </ul>
2.3.2 Research and Publications Output:	<ul style="list-style-type: none"> <li>• Five departments recognized as research centers. Five faculty members recognized as guides by Mumbai/Pune Universities.</li> <li>• Two major research projects and five on-going minor research projects</li> <li>• Faculty published around 50 papers in refereed journals at national and international level during last five years</li> </ul>
2.3.3 Consultancy:	<ul style="list-style-type: none"> <li>• Consultancy yet to be initiated</li> <li>• Efforts initiated to have consultancy in one or two science departments.</li> </ul>
2.3.4 Extension Activities:	<ul style="list-style-type: none"> <li>• 1 NSS unit in operation.</li> <li>• Conducted 14 extension programs with other agencies in the last two years</li> <li>• Outreach programs visible</li> </ul>
2.3.5 Collaborations:	<ul style="list-style-type: none"> <li>• Collaborative activities absent</li> <li>• College established a few linkages with NGOs for extension activities</li> <li>• Efforts for systematic collaborative research to be undertaken</li> </ul>
2.3.6 Best Practices in Research, Consultancy & Extension (If any):	<ul style="list-style-type: none"> <li>• PG students undertake research projects as part of course work.</li> <li>• Adoption of an orphanage 'Shejar Chaya' by one of the Hostel residents</li> </ul>
2.4 Infrastructure and Learning Resources:	
2.4.1 Physical Facilities for Learning:	<ul style="list-style-type: none"> <li>• College located in a campus area of 5.575 acres in prime locality in the heart of Mumbai, housed in heritage building, more than 100 years old.</li> <li>• Two buildings housing class rooms, laboratories, library, administrative offices, seminar hall, auditorium and indoor stadium for academic, curricular and extra curricular activities</li> <li>• Three hostels adjacent to the college building</li> <li>• Sports facility (Gymkhana) in the</li> </ul>

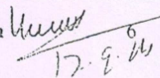
NAAC For quality and excellence in Higher Education *W* 5

## Peer Team Report

## Peer Team Report – Wilson College

	adjacent area provides indoor and outdoor sports and game facilities to the students
2.4.2 Maintenance of Infrastructure:	<ul style="list-style-type: none"> <li>Heritage buildings require special maintenance and care and provision is to be made for annual maintenance of these buildings.</li> <li>No separate budget allocation exists for maintenance of infrastructure</li> <li>Computers are maintained through AMC</li> <li>Overall campus maintenance is to be taken up</li> <li>The hostel rooms require urgent facelift</li> </ul>
2.4.3 Library as a Learning Resources	<ul style="list-style-type: none"> <li>Heritage library with more than 70,000 volumes and very rare books.</li> <li>Library Automation to be completed</li> <li>INFLIBNET facility and Broad band internet facility with two nodes for staff members and reprographic facility available</li> <li>Departmental libraries exist</li> <li>Shortage of space for library to be addressed</li> </ul>
2.4.4 ICT as Learning Resources:	<ul style="list-style-type: none"> <li>A total of 103 computers 11 laptops and 6 LCD projectors available</li> <li>Institutional website in place</li> <li>Wi-fi facility to be provided</li> <li>Interactive, e-learning teaching modules to be created for classroom learning activities</li> </ul>
2.4.5 Other Facilities:	<ul style="list-style-type: none"> <li>Hostel accommodation for boys and girls, Sports field, Gymnasium, Canteen, Student centre, vehicle parking, staff accommodation and Principals quarters available</li> </ul>
2.4.6 Best Practices in the development of Infrastructure and Learning Resources (If any):	<ul style="list-style-type: none"> <li>Digitalization of rare books and other documents taken up by the college library.</li> </ul>
2.5 Student Support and Progression:	
2.5.1 Student Progression:	<ul style="list-style-type: none"> <li>40% of U.G students go to higher studies and 20% get job placement</li> <li>Socio economic profile of students indicate 33% Christians and 12% S.C, S.T and O.B.C students</li> <li>Drop out ratio is 1-2% in U.G.</li> </ul>

NAAC For quality and excellence in Higher Education


 17.8.14



### Peer Team Report

Peer Team Report –Wilson College

2.5.2 Student Support:	<ul style="list-style-type: none"> <li>• Placement cell and counseling centre are functional</li> <li>• College publishes updated prospectus every year</li> <li>• College provides limited financial aid to needy students through Mutual Aid Fund contributed by students and management.</li> </ul>
2.5.3 Student Activities:	<ul style="list-style-type: none"> <li>• Uninterrupted publication of College Magazine for the last 100 years.</li> <li>• Student Council active</li> <li>• Student participation in several sports and cultural events at the state , national and international levels is visible</li> <li>• Student mentoring to be further expanded</li> </ul>
2.5.4 Best Practices in Student Support and Progression.(If any):	<ul style="list-style-type: none"> <li>• Insurance coverage to all the students</li> <li>• Nature Club activities by staff and students commendable</li> </ul>
2.6 Governance and Leadership:	
2.6.1 Institutional Vision and Leadership:	<ul style="list-style-type: none"> <li>• Institutional vision and mission pro active to the promotion of higher education opportunities and overall development of students.</li> <li>• Management with commitment for the cause of higher education initiated by founding fathers</li> <li>• The heritage and legacy of the institution is to be further taken up by promoting institutional opportunities</li> </ul>
2.6.2 Organizational Arrangements:	<ul style="list-style-type: none"> <li>• Organizational structure as per norms</li> <li>• Board of Management (BOM) is the main administrative body and Local Management Committee (LMC) acts as a liaison between faculty and Management</li> <li>• Grievance redressal cell for employees yet to be established</li> </ul>
2.6.3 Strategy Development and Deployment:	<ul style="list-style-type: none"> <li>• Different committees constituted for decentralization and effective functioning of institutional activities</li> <li>• Long range perspective plan for future developmental activities yet to be evolved</li> <li>• MIS not in place</li> </ul>

NAAC For quality and excellence in Higher Education

*[Signature]*  
10/9/17

## Peer Team Report

## Peer Team Report –Wilson College

2.6.4 Human Resource Management:	<ul style="list-style-type: none"> <li>• Self appraisal of teachers and student evaluation of teachers collected</li> <li>• Recruitment of faculty by management as per norms</li> <li>• Grievance redressal of non-teaching staff to be taken up for smooth functioning of the institution.</li> </ul>
2.6.5 Financial Management and Resource Mobilization:	<ul style="list-style-type: none"> <li>• College receives budgetary grant from State government and developmental grants from UGC, and self finance course fee</li> <li>• Financial management system partially automated</li> <li>• Annual internal and external audit in place.</li> <li>• Strategies to be formulated for revenue generation for academic and research activities</li> </ul>
2.6.6 Best Practices in Governance and Leadership (If any):	<ul style="list-style-type: none"> <li>• Faculty representation in BOM and LMC</li> <li>• Management committed to educational values with non-commercial orientation</li> </ul>
2.7 Innovative Practices:	
2.7.1 Internal Quality Assurance System:	<ul style="list-style-type: none"> <li>• IQAC needs to be structured and be made more functional by conducting quality management orientation for all stake holders.</li> </ul>
2.7.2 Inclusive Practices:	<ul style="list-style-type: none"> <li>• Mechanism for tabulating incremental academic growth of students from disadvantaged communities to be formulated</li> <li>• 50 % of admitted students are girls</li> <li>• Adequate representation for minorities and other backward communities and financially disadvantaged groups</li> </ul>
2.7.3 Stakeholder Relationships:	<ul style="list-style-type: none"> <li>• social perception of the college is very positive</li> <li>• Involvement of all stake holders for over all development of the college</li> <li>• Alumni association not formalised</li> </ul>

*Handwritten signature*  
17/2/18

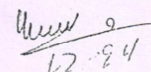


## Peer Team Report

## Peer Team Report – Wilson College

Section III: OVERALL ANALYSIS	<i>Observations (Please limit to five major ones for each and use telegraphic language) (It is not necessary to denote all the five bullets for each)</i>
3.1 Institutional Strengths:	<ul style="list-style-type: none"> <li>• Heritage institution with 175 years of tradition in education</li> <li>• Good academic performance in all the university examinations.</li> <li>• Located in the prime locality in the heart of urban Mumbai.</li> <li>• Committed faculty with very good student-teacher relations</li> <li>• Proactive management</li> <li>• Good number of program options in U.G</li> <li>• Good stake holder relationship</li> </ul>
3.2 Institutional Weaknesses:	<ul style="list-style-type: none"> <li>• Constraint of space for expansion</li> <li>• Absence of suitable value added COPs/ Addon programmes for <u>skill development</u></li> <li>• Research potential not fully utilised</li> <li>• No collaborative programmes with industries or other institutions.</li> <li>• Linkage with other major institutions not created.</li> <li>• Absence of appropriate strategy for resource mobilization and utilization of existing resources.</li> <li>• Absence of strong Alumni</li> </ul>
3.3 Institutional Opportunities:	<ul style="list-style-type: none"> <li>• Location of the college</li> <li>• Opportunities for collaboration with major industries and research institutes</li> <li>• Urban and elite student community</li> <li>• To strive for autonomous status taking the legacy into consideration</li> </ul>

NAAC For quality and excellence in Higher Education


 Handwritten signature and date: 12/24

### Peer Team Report

#### Peer Team Report – Wilson College

	<ul style="list-style-type: none"><li>• Starting locally relevant UG and PG programmes.</li><li>• Enriching existing programmes with skill oriented component.</li><li>• Starting innovative programme with interdisciplinary orientation</li><li>• Collaboration with foreign universities'</li></ul>
3.4 Institutional Challenges:	<ul style="list-style-type: none"><li>• Finding physical face for further development of the institution and optimum utilization of available infrastructure</li><li>• Developing strong research culture in all teaching departments and faculty members</li><li>• Introduction of appropriate and focused programmes of studies and research</li><li>• Integration of academic programmes and outreach, community oriented schemes</li><li>• Student placement and technologically savvy campus</li></ul>

*Wesley*  
17.9.11



Peer Team Report – Wilson College

Section IV: Recommendations for Quality Enhancement of the Institution

(Please limit to *ten major ones* and use telegraphic language)

(It is not necessary to indicate all the ten bullets)

- College may strive to achieve autonomous status or full constituent status from Mumbai University
- Introduction of more relevant programmes applicable to urban Mumbai environment at UG and PG level.
- Enrichment of existing programmes by add-on courses and COPs
- Strengthening the research activities by motivating the faculty to develop strong research culture
- Faculty be supported by providing seed money to apply for major and minor research projects
- Long term prospective plan to be created for academic development taking the legacy and heritage into consideration
- Collaboration with major industries, research institutions be created
- Linkage with other research establishments be explored
- Language laboratory with UGC assistance be created,
- Wi-fi campus to facilitate study and research facility be created
- IQAC be strengthened to monitor and plan academic growth
- Alumni association to be formally established with an interactive platform
- Infrastructural facilities for computer and IT labs may be enhanced

I agree with the Observations of the Peer Team as mentioned in this report.

*Dr. V. J. Sirwaiya*



Signature of the Head of the Institution  
DR. V. J. SIRWAIYA  
PRINCIPAL  
WILSON COLLEGE  
MUMBAI - 400007.

Seal of the Institution

Signatures of the Peer Team Members:

Name and Designation		Signature with date
Prof. K. Kunhikrishnan	Chairman	<i>K. Kunhikrishnan</i> 17.9.11
Prof. A.V. Prasad Rao	Member-coordinator	<i>A.V. Prasad Rao</i> 17/9/11
Sr. Philomina Cardoza	Member	<i>Sr. Philomina</i> 17/9/11

Dr. Sujata P. Shanbhagh

Assistant Advisor NAAC

Place: Mumbai

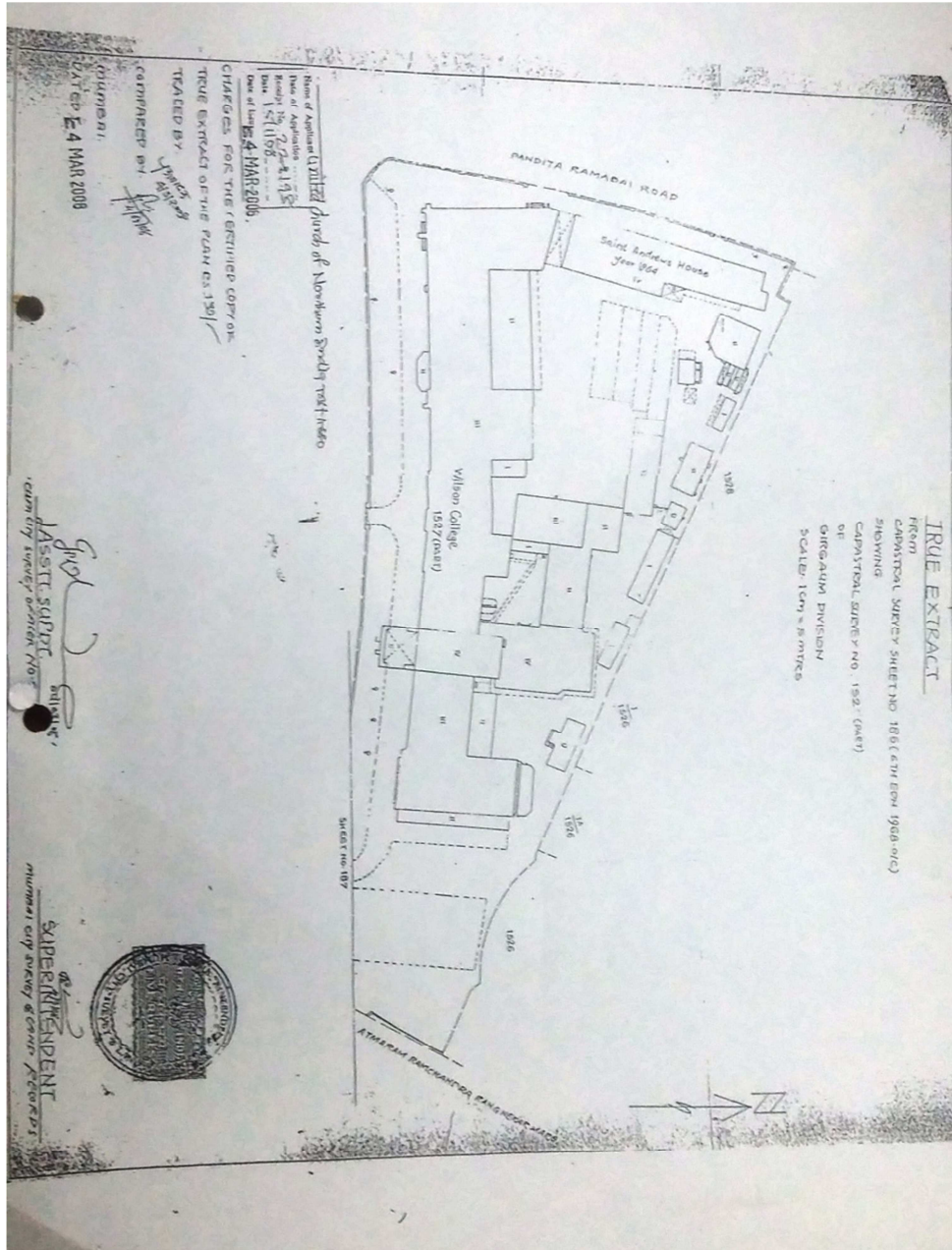
Date: 17-9-11

NAAC For quality and excellence in Higher Education

11

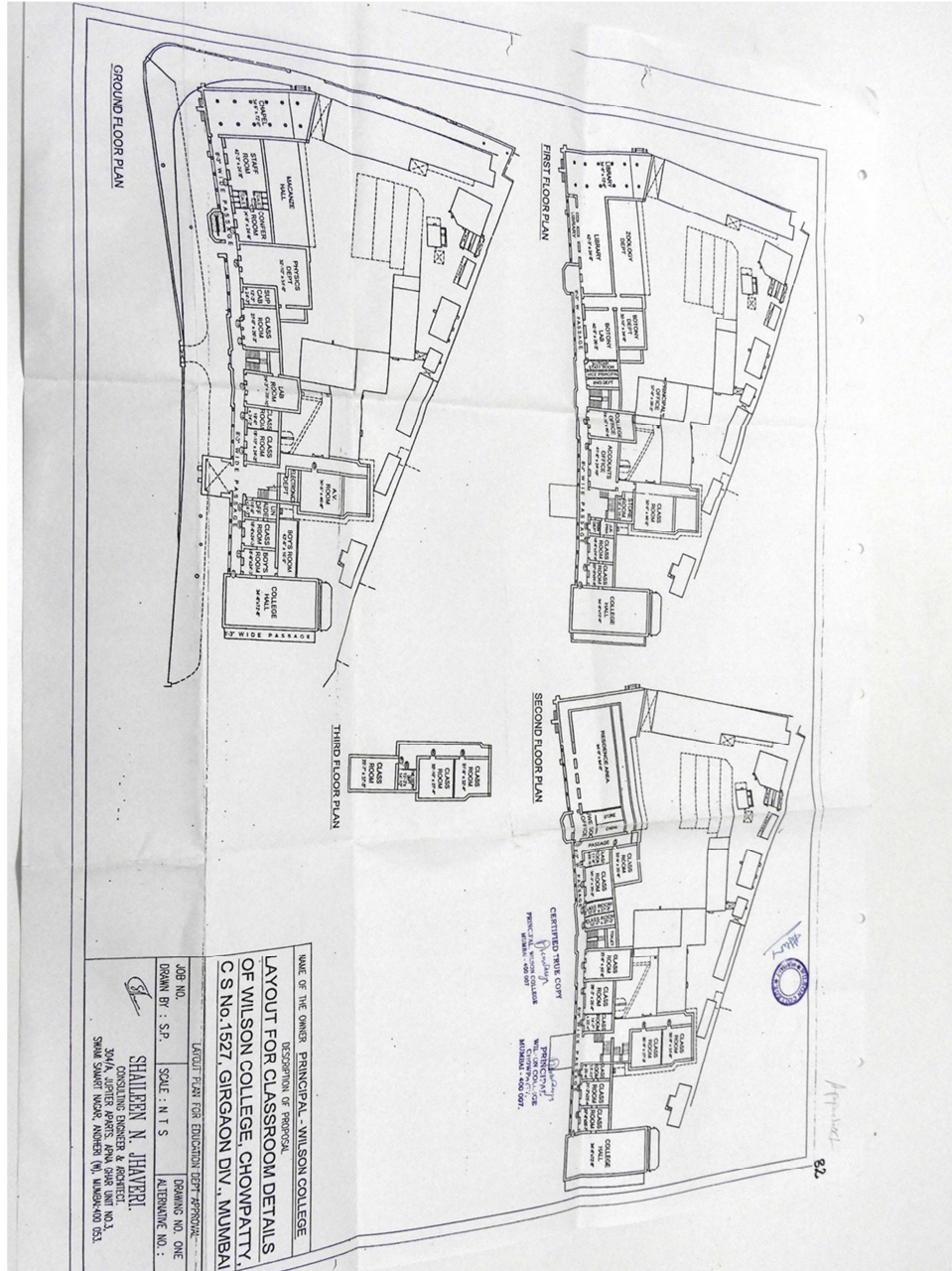
### ANNEXTURE No. 3

#### Master Plans College Premises

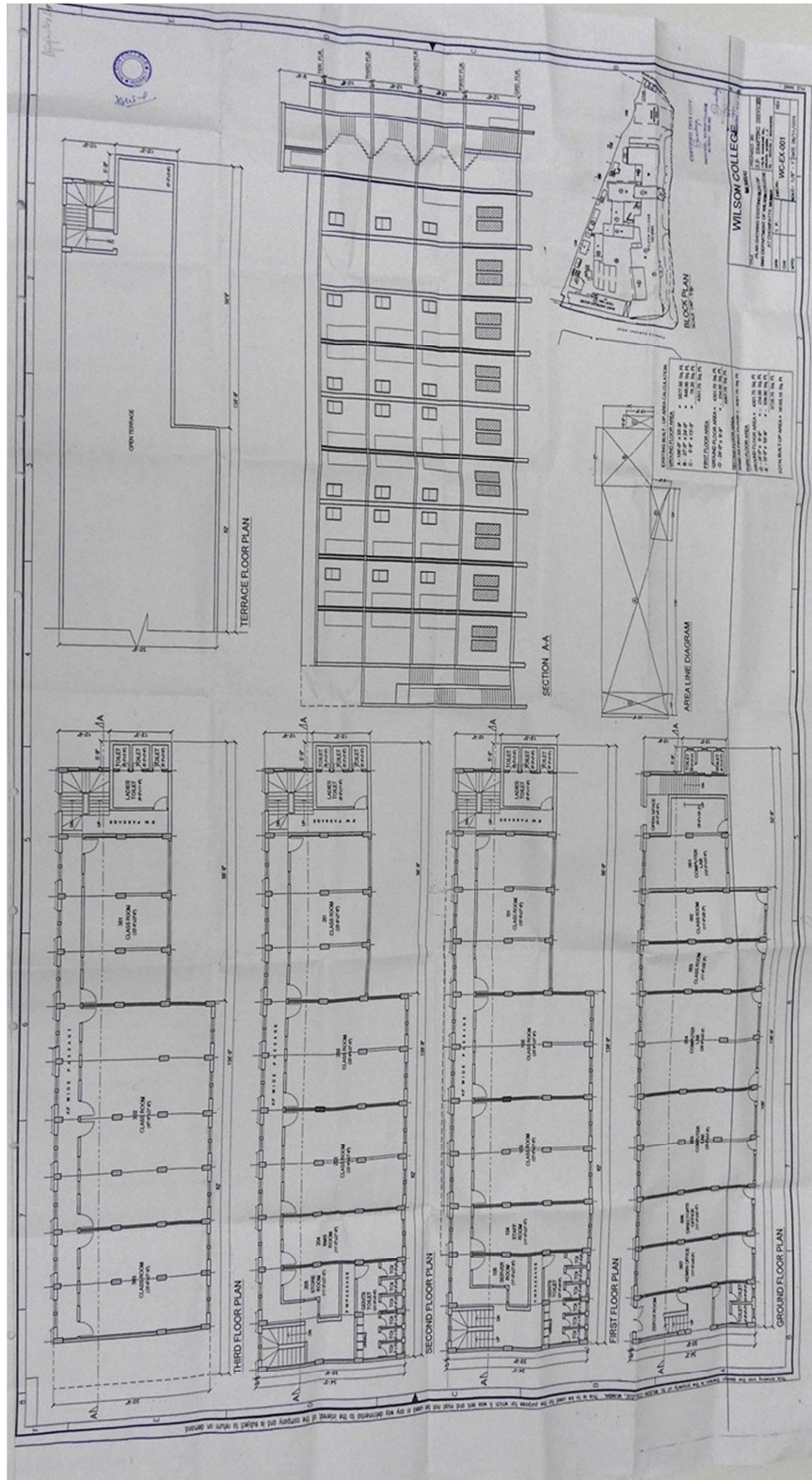




### Main College Building

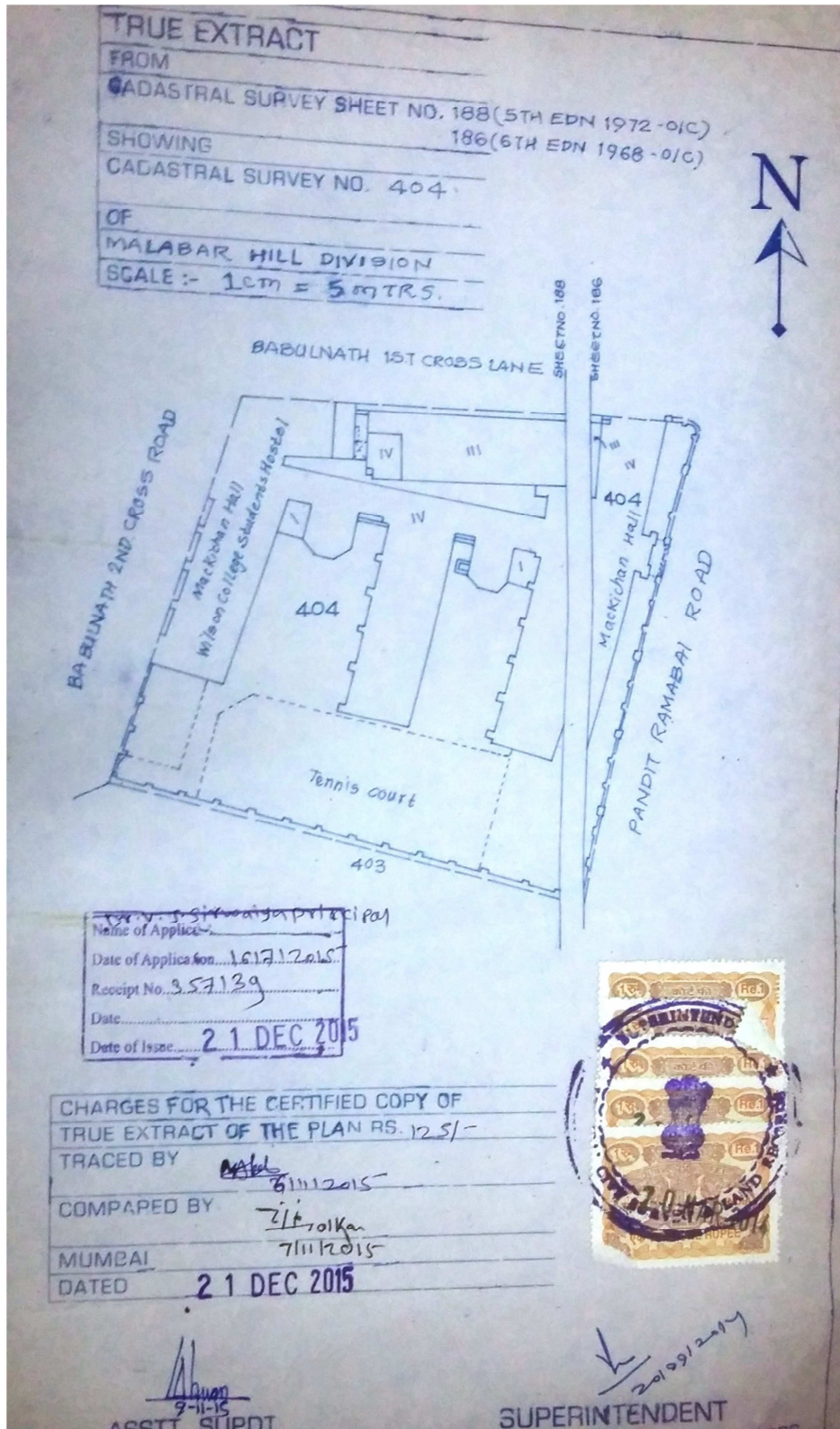


### St. Andrew's House for Self-Financing Courses

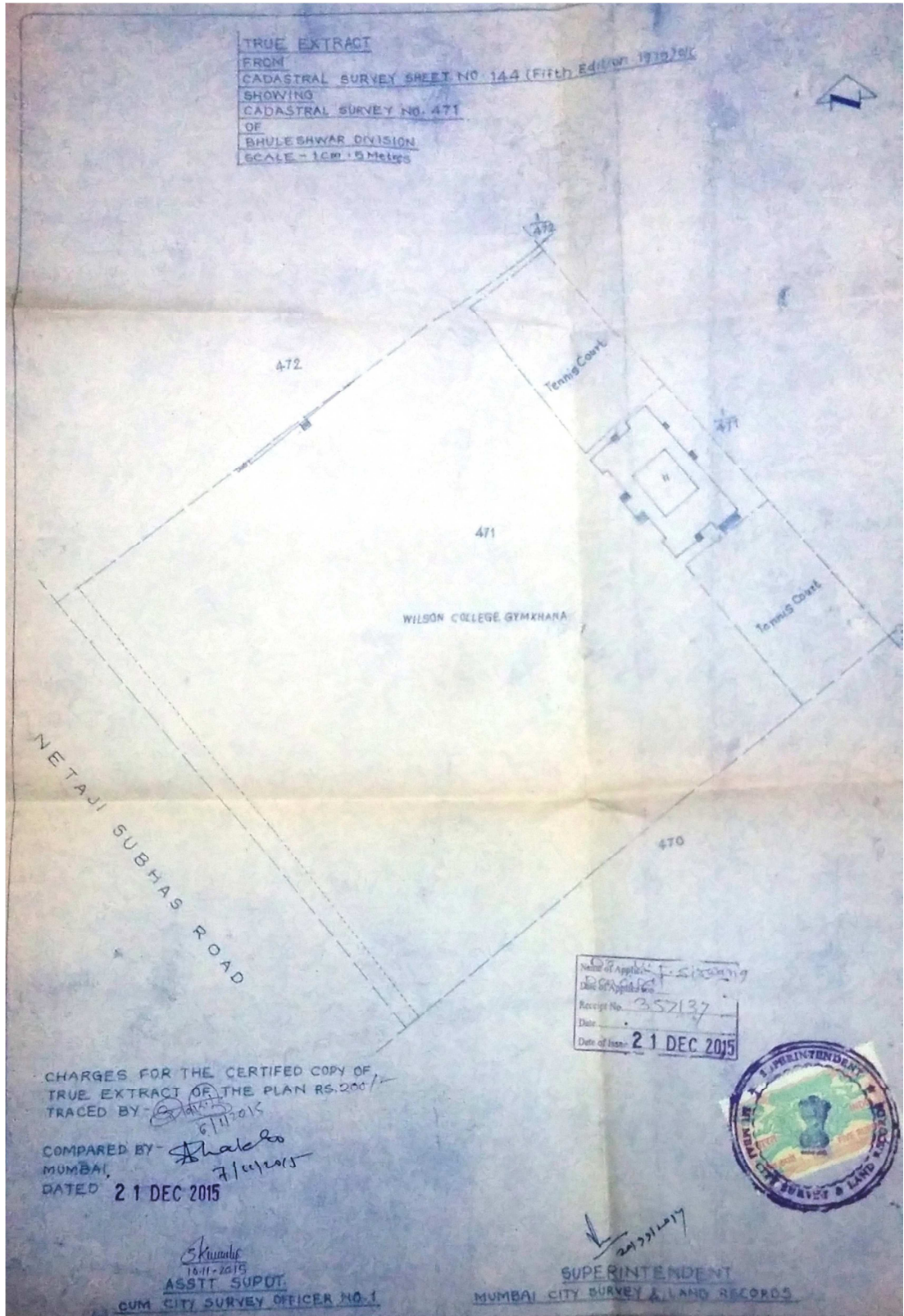




### Mackichan Hall (Boys Hostel)



### Wilson Gymkhana





## ANNEXTURE No. 4

### Heritage Certificate

Annexure 3e : Heritage Report

**VIKAS DILAWARI**  
M. Arch, M.A (University of York)  
Conservation Architect


27/3/3, Jawahar Nagar, Goregaon (W)  
Mumbai 400062. Tel/Fax : 28755006  
Email : vikasdilawari@hotmail.com

To Whom It May Concern:

This is to state that Wilson College located on Dr Purandare Road is listed heritage structure as per Govt. of Maharashtra - Heritage Regulations for Greater Bombay 1995.

It is listed as grade III structure Serial No 457 page 46. It is a significant colonial structure facing the sea. It was constructed 1889 by John Adams who is famous for his half timber and honey comb masonry structures. The old wing was added and extended prior to independence in early 20<sup>th</sup> century by another significant local firm Greyson Batley and King. Post 1960's there has been extensions in its rear and side.

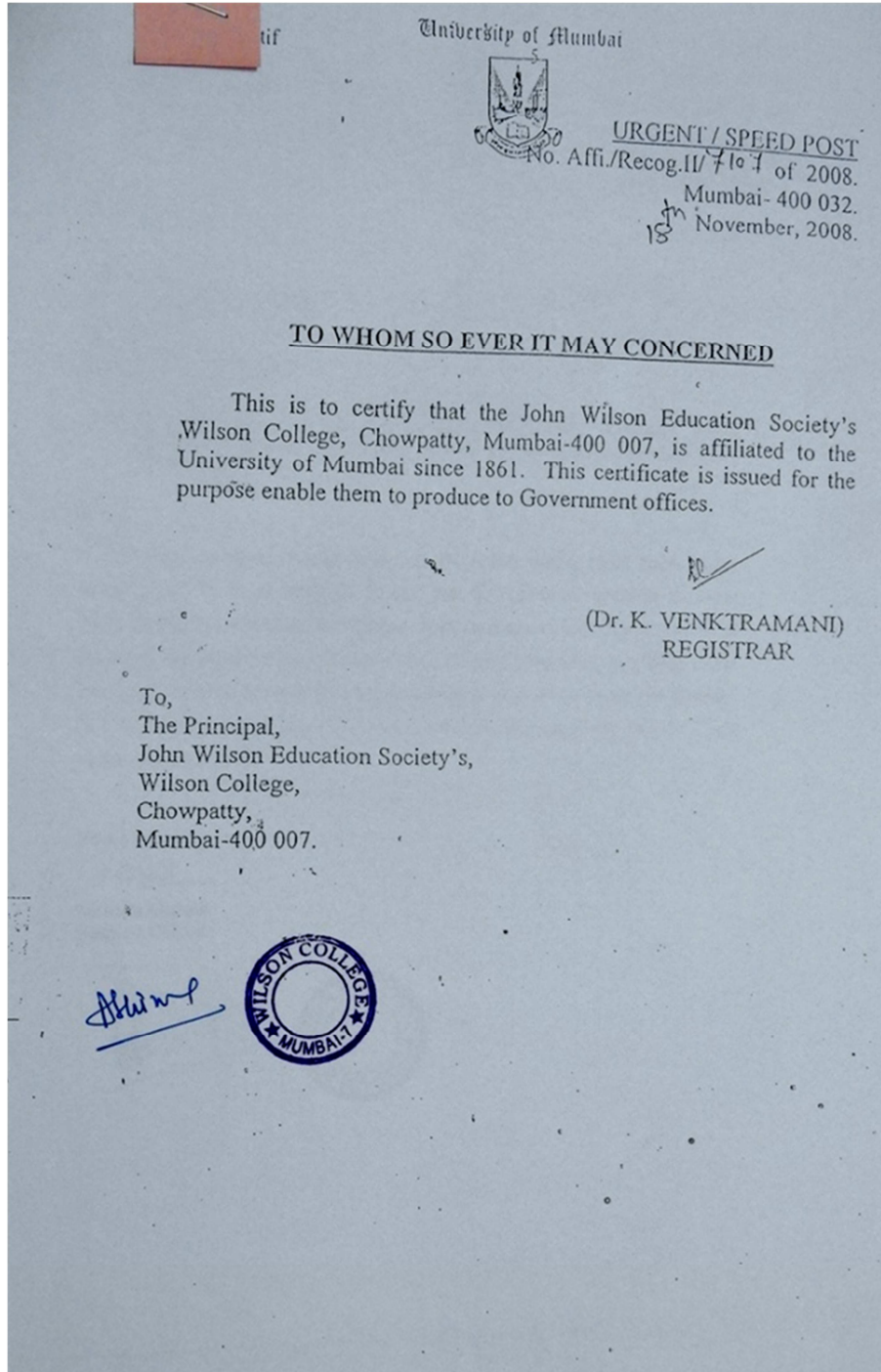
The complex located on Plot No 1527 admeasures 11855 sq yards as per the college records. Attached along is retraced site plan of the same.

  
Vikas Dilawari  
CA /69/12106

Encl : as above

## ANNEXTURE No. 5

### Affiliation Letters





## Affiliation Letters

PC/1/certificate Letter

## University of Mumbai



AFFILIATION SECTION

No. Aff-II/ICD/2016-17/2487

27<sup>th</sup> March, 2017**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that John Wilson Education Society, Wilson College, Chowpatty, Mumbai-400 007 is an affiliated College to the University of Mumbai and the following courses are conducted in the said College.

Sr. No	Course	Duration	Affiliation (Permanent/Temporary)	Period of Validity for the year (s)
1	B. A.	3 Years	Permanent	Permanent
2	B. Sc.	3 Years	Permanent	Permanent
3	M. Sc. (Chemistry, Zoology, Microbiology, Botany) (By Research)	2 Years	Permanent	Permanent
4	B. M. M.	3 Years	Temporary	From 2000-01 to 2016-17
5	B. M. S.	3 Years	Temporary	From 1999-2000 to 2016-17
6	B. Com. (Accounting & Finance)	3 Years	Temporary	From 2016-17
7	B. Sc. (Computer Science)	3 Years	Temporary	From 2002-03 to 2016-17
8	B. Sc. (Information Technology)	3 Years	Temporary	From 2007-08 to 2016-17
9	B. Sc. (Bio-Technology)	3 Years	Temporary	From 2004-05 to 2016-17
10	M. Sc. (Information Technology) (By Papers)	2 Years	Temporary	From 2016-17

This Certificate is issued on request of the Principal of the said College for submitting the same to the NAAC, Bangalore, accordingly.

*(Signature)*  
(Dr. M. A. Khan)  
REGISTRAR

## Affiliation Letters

### University of Mumbai



Th/ICD/2016-17/6550  
Mumbai- 400 032.  
29<sup>th</sup> March, 2017.

#### TO WHOMSOEVER IT MAY CONCERN

This is to certify that **John Wilson Education Society, Wilson College, Mumbai – 400 007**, is recognized Ph. D. Centre to the University of Mumbai for the following course.

Sr. No.	Name of the Faculty / Subjects	Recognition	Year of Recognition
1	Ph. D. in Chemistry	Temporary	Recognition upto the Academic year 2016-17
2	Ph. D. in Microbiology	Temporary	Recognition upto the Academic year 2016-17
3	Ph. D. in Hindi	Temporary	Recognition upto the Academic year 2016-17
4	Ph. D. in Botany	Temporary	Recognition upto the Academic year 2017-18

This Certificate is issued on the request of the Principal of said College for submitting the same to the NAAC accordingly.

**Registrar  
University of Mumbai**



## ANNEXTURE No. 6

### Minority Certificate

महाराष्ट्र शासन  
सक्षम प्राधिकारी तथा प्रधान सचिव  
अल्पसंख्याक विकास विभाग,  
मंत्रालय, मुंबई - ४०० ०३२.

क्रमांक: अशौस-२००८/३६९/प्र.क्र.२२३/२००८/का.१,

दिनांक :- ५ सप्टेंबर, २००८.

#### अल्पसंख्याक दर्जाच्या मान्यतेचे प्रमाणपत्र

जॉन विल्सन एज्युकेशन सोसायटी, मुंबई या शैक्षणिक संस्थेने त्यांच्या संस्थेस धार्मिक अल्पसंख्याक शैक्षणिक संस्था म्हणून दर्जाच्या मान्यतेचे प्रमाणपत्र मिळण्यासाठी दि.०३.१०.२००७ रोजी अर्ज सादर केला होता. दि.१४.०८.२००८ रोजी माझ्या समक्ष संबंधित संस्थेसोबत झालेल्या सुनावणी दरम्यान संस्थेच्या पदाधिकार्यांनी केलेल्या सादरीकरणाच्या आधारे सदर संस्था ही अल्पसंख्याक विकास विभाग, शासन निर्णय, क्र.अशौस-२००८/प्र.क्र.१३३/२००८/का.१, दि.४ जुलै, २००८ अन्वये विहित करण्यात आलेल्या निकषांतर्गत राज्य शासनाने घोषित केलेल्या धार्मिक (ट्रिस्ट) अल्पसंख्याकामधील व्यक्तींकडून अथवा व्यक्तींच्या समुदायाकडून स्थापित व संचालित करण्यात येत असल्याबाबत माझे समाधान झाले आहे. परिणामतः सदर संस्था ही धार्मिक (ट्रिस्ट) अल्पसंख्याक शैक्षणिक संस्था असल्याचे याद्वारे घोषित करण्यात येत आहे.

हे प्रमाणपत्र केवळ महाराष्ट्र राज्यापुरते लागू असेल. सदर संस्थेस प्रदान करण्यात आलेला धार्मिक अल्पसंख्याक दर्जा हा संस्था संचालित करत असलेल्या सर्व शैक्षणिक शाखांना लागू राहिल.

उपरोल्लेखित शैक्षणिक संस्थेस याद्वारे प्रदान करण्यात आलेला धार्मिक अल्पसंख्याक दर्जा हा शैक्षणिक वर्ष २००८-०९ पासून विधिग्राह्य असेल. संबंधित संस्थेने अल्पसंख्याक विकास विभाग, शासन निर्णय, क्र.अशौस-२००८/प्र.क्र.१३३/२००८/का.१, दि.४ जुलै, २००८ अन्वये विहित करण्यात आलेल्या निकष व अटीची सातत्याने व विनिर्देशपूर्वक पूर्तता करणे बंधनकारक राहिल.



टी. एफ. धेकेकरा

(टी. एफ. धेकेकरा)

सक्षम प्राधिकारी तथा प्रधान सचिव  
अल्पसंख्याक विकास विभाग, महाराष्ट्र शासन  
मंत्रालय, मुंबई - ४०० ०३२.

## Minority Certificate

महाराष्ट्र शासन

क्रमांक अशैस-२००८/प्र.क्र.१४८/०७/०१/का.१  
अल्पसंख्याक विकास विभाग,  
मंत्रालय, मुंबई - ४०० ०३२  
दिनांक :- २९/०९/२००८.

प्रति,


अध्यक्ष / सचिव,  
जॉन विल्सन एज्युकेशन सोसायटी,  
मुंबई.

विषय :- शैक्षणिक संस्थेस धार्मिक अल्पसंख्याक दर्जा मिळणेबाबत.

महोदय,

अल्पसंख्याक विकास विभाग, शासन निर्णय, क्रमांक:अशैस-२००८/प्र.क्र.१३३/२००८/का.१,  
दिनांक ४ जुलै, २००८ अन्वये आपण शैक्षणिक संस्थेस धार्मिक अल्पसंख्याक दर्जाच्या मान्यतेचे  
प्रमाणपत्र मिळण्याकरिता सादर केलेल्या अर्जास अनुसरून आपल्या संस्थेचे धार्मिक अल्पसंख्याक दर्जा  
मान्यतेचे प्रमाणपत्र सोबत पाठविण्यात येत आहे.

आपला,



कक्ष अधिकारी, महाराष्ट्र शासन.

सोबत : वरीलप्रमाणे.

**ANNEXTURE No. 7**

**UGC 2 (f) and 12 (B) Certificate**

Ph. 23236351, 23232701, 23237721  
23234116, 23235733, 23232317  
23236735, 23239437, 23239627

UGC Website: [www.ugc.ac.in](http://www.ugc.ac.in)



विश्वविद्यालय अनुदान आयोग  
बहादुरशाह जफर मार्ग  
नई दिल्ली-110 002  
UNIVERSITY GRANTS COMMISSION  
BAHADURSHAH ZAFAR MARG  
NEW DELHI-110 002

F. No/ 1-1/2004 (CPP-I)

March, 2008

✓ The Principal,  
Willson College, Chowpatty  
Mumbai  
Distt. Mumbai  
Maharashtra – 400 007

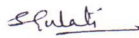
23 MAR 2009

**Sub:- Recognition of Willson College, Chowpatty, Mumbai, Distt. Mumbai, Maharashtra under Section 2 (f) & 12 (B) of the UGC Act, 1956.**

Sir,

With reference to your letter No. P/5/2009 dated 15.01.2009 on the above subject, I am directed to say that the name of **Willson College, Chowpatty, Mumbai, Distt. Mumbai, Maharashtra** is included in the list of Colleges maintained under Section 2(f) & 12 (B) of the UGC Act, 1956 under the head Non-Government Colleges teaching upto Post Graduate Degree. The College is also eligible to receive Central assistance under Section 12 (B) of the UGC Act.

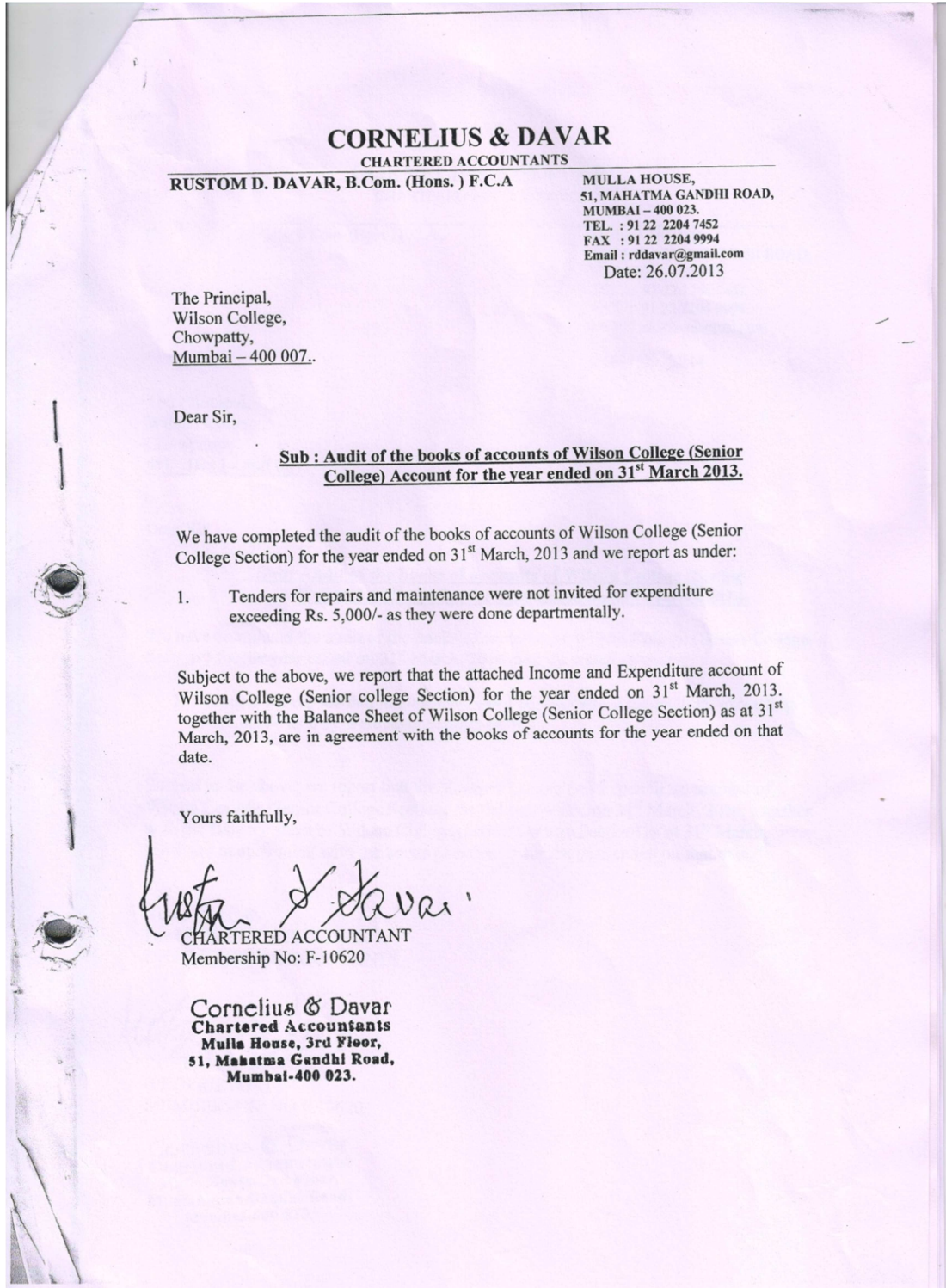
Yours faithfully,

  
(Sunita Gulati)  
Section Officer



**ANNEXTURE No. 8**

**Audited Certificates  
Aided Section**



**Aided Section**

**CORNELIUS & DAVAR**  
CHARTERED ACCOUNTANTS

RUSTOM D. DAVAR, B.Com. (Hons.) F.C.A..

MULLA HOUSE,  
51, MAHATMA GANDHI ROAD,  
MUMBAI – 400 023.  
TEL : 91 22 2204 7452  
FAX : 91 22 2204 9994  
Email : [rddavar@gmail.com](mailto:rddavar@gmail.com)

24th July, 2014

The Principal,  
Wilson College,  
Chowpatty,  
**MUMBAI - 400 007.**

Dear Sir,

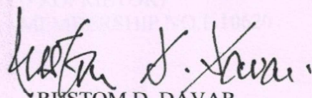
**Sub: Audit of the books of accounts of Wilson College (Senior College) Account for the year ended on 31<sup>st</sup> March, 2014.**

We have completed the audit of the books of accounts of Wilson College (Senior College Section ) for the year ended on 31<sup>st</sup> March, 2014, and we report as under:

1. Tenders for repairs and maintenance were not invited for expenditure exceeding Rs.5,000/- as they were done departmentally.

Subject to the above, we report that the attached Income and Expenditure account of Wilson College (Senior College Section) for the year ended on 31<sup>st</sup> March, 2014, together with the Balance sheet of Wilson College (Senior College Section) as at 31<sup>st</sup> March, 2014, are in agreement with the books of accounts for the year ended on that date.

Yours faithfully,  
For CORNELIUS & DAVAR  
CHARTERED ACCOUNTANTS

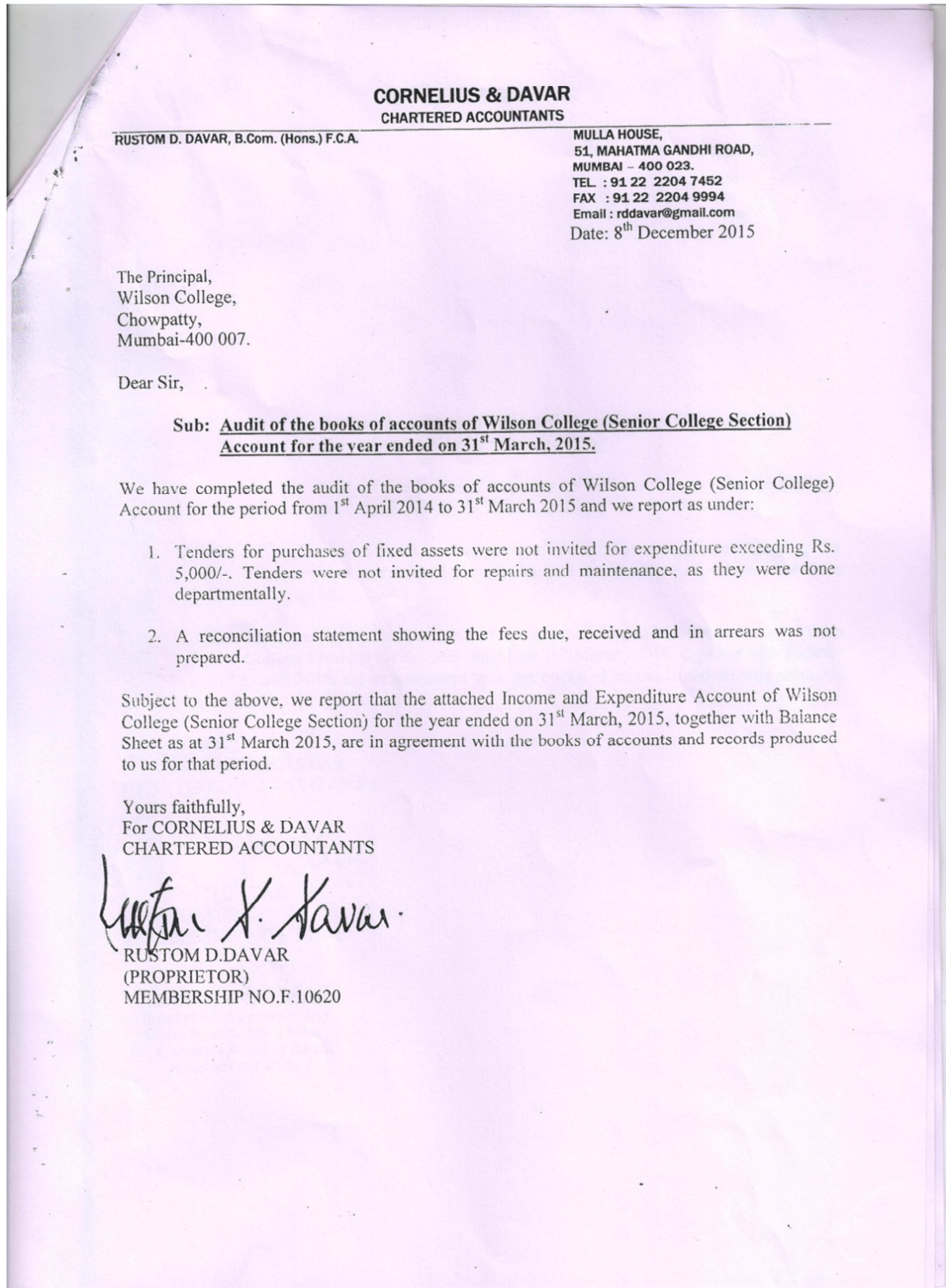


RUSTOM D. DAVAR  
(PROPRIETOR)  
MEMBERSHIP NO.F.10620.

**Cornelius & Davar**  
**Chartered Accountants**  
Mulla House, 3rd Floor,  
51, Mahatma Gandhi Road,  
Mumbai-400 023.



**Aided Section**





**Aided Section**

**CORNELIUS & DAVAR**  
CHARTERED ACCOUNTANTS

RUSTOM D. DAVAR, B.Com. (Hons.) F.C.A.

MULLA HOUSE,  
51, MAHATMA GANDHI ROAD,  
MUMBAI - 400 023.  
TEL : 91 22 2204 7452  
FAX : 91 22 2204 9994  
Email : rddavar@gmail.com  
Date: 22<sup>nd</sup> July 2016

The Principal,  
Wilson College,  
Chowpatty,  
Mumbai-400 007.

Dear Sir,

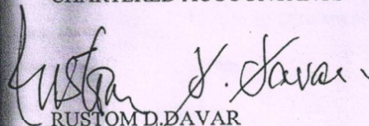
**Sub: Audit of the books of accounts of Wilson College (Senior College Section)  
Account for the year ended on 31<sup>st</sup> March, 2016.**

We have completed the audit of the books of accounts of Wilson College (Senior College) Account for the period from 1<sup>st</sup> April 2015 to 31<sup>st</sup> March 2016 and we report as under:

1. Tenders for purchases of fixed assets were not invited for expenditure exceeding Rs. 5,000/-. Tenders were not invited for repairs and maintenance, as they were done departmentally.

Subject to the above, we report that the attached Income and Expenditure Account of Wilson College (Senior College Section) for the year ended on 31<sup>st</sup> March, 2016, together with Balance Sheet as at 31<sup>st</sup> March 2016, are in agreement with the books of accounts and records produced to us for that period.

Yours faithfully,  
For CORNELIUS & DAVAR  
CHARTERED ACCOUNTANTS

  
RUSTOM D. DAVAR  
(PROPRIETOR)  
MEMBERSHIP NO.F.10620

**Cornelius & Davar**  
Chartered Accountants  
Mulla House, 3rd Floor,  
51, Mahatma Gandhi Road,  
Mumbai-400 023.

## Self-Financing Section

**CORNELIUS & DAVAR**  
CHARTERED ACCOUNTANTS

**RUSTOM D. DAVAR, B.Com. (Hons. ) F.C.A.**

MULLA HOUSE,  
51, MAHATMA GANDHI ROAD,  
MUMBAI – 400 023.  
TEL : 91 22 2204 7452  
FAX : 91 22 2204 9994  
Email : rddavar@gmail.com

3<sup>rd</sup> September, 2013

The Principal,  
Wilson College,  
Chowpatty,  
Mumbai-400 007.

Dear Sir,

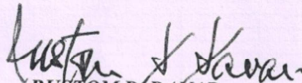
**Sub: Audit of the books of accounts of The Wilson College Unaided Account for the year ended on 31<sup>st</sup> March, 2013.**

We have completed the audit of the books of accounts of Wilson College Unaided Account for the period from 1<sup>st</sup> April 2012 to 31<sup>st</sup> March 2013 and we report as under:

1. Tenders for repairs and maintenance were not invited for expenditure exceeding Rs. 5,000/-.

Subject to the above, we report that the attached Balance Sheet and Income Expenditure Account of Wilson College Unaided Account for the period from 1<sup>st</sup> April 2012 to 31<sup>st</sup> March 2013, are in agreement with the books of accounts and records produced to us for that period.

*Yours faithfully,*  
For **CORNELIUS & DAVAR**

  
**RUSTOM D. DAVAR**  
Membership No: F-10620

**Cornelius & Davar**  
Chartered Accountants  
Mulla House, 3rd Floor,  
51, Mahatma Gandhi Road,  
Mumbai-400 023.



## Self-Financing Section

**CORNELIUS & DAVAR**  
CHARTERED ACCOUNTANTS

RUSTOM D. DAVAR, B.Com. (Hons.) F.C.A.

MULLA HOUSE,  
51, MAHATMA GANDHI ROAD,  
MUMBAI - 400 023.  
TEL. : 91 22 2204 7452  
FAX : 91 22 2204 9994  
Email : rddavar@gmail.com

Date: 16<sup>th</sup> October, 2014

The Principal,  
Wilson College,  
Chowpatty,  
Mumbai-400 007.

Dear Sir,

**Sub: Audit of the books of accounts of The Wilson College Unaided Account for the year ended on 31<sup>st</sup> March, 2014.**

We have completed the audit of the books of accounts of Wilson College Unaided Account for the period from 1<sup>st</sup> April 2013 to 31<sup>st</sup> March 2014 and we report as under:

1. Tenders for repairs and maintenance were not invited for expenditure exceeding Rs. 5,000/-, as they were done departmentally.

Subject to the above, we report that the attached Balance Sheet and Income Expenditure Account of Wilson College Unaided Account for the period from 1<sup>st</sup> April 2013 to 31<sup>st</sup> March 2014, are in agreement with the books of accounts and records produced to us for that period.

Yours faithfully,  
For **CORNELIUS & DAVAR**  
CHARTERED ACCOUNTANTS

*Rustom D. Davar*

**RUSTOM D. DAVAR**  
(PROPRIETOR)  
Membership No: F-10620

**Cornelius & Davar**  
Chartered Accountants  
Mulla House, 3rd Floor,  
51, Mahatma Gandhi Road,  
Mumbai-400 023.



## Self-Financing Section

### CORNELIUS & DAVAR CHARTERED ACCOUNTANTS

RUSTOM D. DAVAR, B.Com. (Hons.) F.C.A.

MULLA HOUSE,  
51, MAHATMA GANDHI ROAD,  
MUMBAI – 400 023.  
TEL : 91 22 2204 7452  
FAX : 91 22 2204 9994  
Email : rddavar@gmail.com  
Date: 17<sup>th</sup> February, 2016.

The Secretary/Treasurer,  
John Wilson Education Society,  
c/o Wilson College,  
Chowpatty,  
Mumbai-400 007.

Dear Sir,

**Sub: Audit of the books of accounts of The Wilson College Unaided Account for the year ended on 31<sup>st</sup> March, 2015.**

We have completed the audit of the books of accounts of Wilson College Unaided Account for the period from 1<sup>st</sup> April 2014 to 31<sup>st</sup> March 2015 and we report as under:

1. Tenders for purchases of fixed assets were not invited for expenditure exceeding Rs.5,000/-.  
Tenders were not invited for repairs and maintenance, as they were done departmentally.
2. Fees collected from students have been entered in the bank book periodically instead of on a daily basis. We suggest that the fees collected should be recorded on the same day in the cash book, and should be banked immediately.
3. In a few cases, we observed that the fees collected from students have been deposited in other units of the Society which were adjusted at the end of the year by passing inter unit loan entries.
4. We have observed that the amounts collected as deposits/funds from students were utilised for the various activities of the Unaided Account. We suggest that the deposits / funds collected from the students should be kept separately in a bank account in order to repay the amount as and when required by the college, or to be utilised for the purpose for which the funds were created. We give below a statement showing liability of the deposit collected from the student's upto 31.03.2015.

Sr. No.	Deposit	Amount (Rs.)
1.	Deposits from Students	5,04,000.00
2.	Funds collected from Students	13,57,400.00
3.	Lab Deposits	9,72,000.00
4.	Library Deposits	5,02,600.00
	<b>Total:</b>	<b>33,36,000.00</b>

As against the deposits amounting to Rs.33,36,000.00, the balance available with the bank is Rs.26,449.85 only. Evidently, the deposit amounts have been utilised for other purposes, and not maintained separately.





### Self-Financing Section

Subject to the above, we report that the attached Balance Sheet and Income Expenditure Account of Wilson College Unaided Account for the period from 1<sup>st</sup> April 2014 to 31<sup>st</sup> March 2015 are in agreement with the books of accounts and records produced to us for that period.

Yours faithfully,  
For CORNELIUS & DAVAR  
CHARTERED ACCOUNTANTS

*Rustom D. Davar*  
RUSTOM D. DAVAR  
(PROPRIETOR)  
MEMBERSHIP NO.F.10620



*Adm*



## Self-Financing Section

**CORNELIUS & DAVAR**  
CHARTERED ACCOUNTANTS

RUSTOM D. DAVAR, B.Com. (Hons.) F.C.A.

MULLA HOUSE,  
51, MAHATMA GANDHI ROAD,  
MUMBAI - 400 023.  
TEL : 91 22 2204 7452  
FAX : 91 22 2204 9994  
Email : rddavar@gmail.com

Date: 1<sup>st</sup> August, 2016.

The Principal,  
Wilson College,  
Chowpatty,  
Mumbai-400 007.

Dear Sir,

Sub: Audit of the books of accounts of The Wilson College Unaided Account for the year ended on 31<sup>st</sup> March, 2016.

We have completed the audit of the books of accounts of Wilson College Unaided Account for the period from 1<sup>st</sup> April 2015 to 31<sup>st</sup> March 2016 and we report as under:

1. Tenders for repairs and maintenance were not invited for expenditure exceeding Rs. 5,000/-.

Subject to the above, we report that the attached Balance Sheet and Income Expenditure Account of Wilson College Unaided Account for the period from 1<sup>st</sup> April 2015 to 31<sup>st</sup> March 2016, are in agreement with the books of accounts and records produced to us for that period.

Yours faithfully,  
For CORNELIUS & DAVAR  
CHARTERED ACCOUNTANTS

*Rustom D. Davar*

RUSTOM D. DAVAR  
(PROPRIETOR)  
MEMBERSHIP NO: F10620

Cornelius & Davar  
Chartered Accountants  
Mulla House, 3rd Floor,  
51, Mahatma Gandhi Road,  
Mumbai-400 023.

*Attest*






## ANNEXTURE No. 9

### Certificate of Financial Compliance

*Recd 21/6/16* *File - I/c Supt. A-4 report.* *222*  
*Noted kin... 24/06/16*

  
संस्कृत अध्यापक

प्रधान महालेखाकार का कार्यालय  
(लेखापरीक्षा) १, महाराष्ट्र  
१०१, महर्षि कर्वे मार्ग, प्रतिष्ठा भवन,  
मुंबई - ४०० ०२०  
फैक्स: २२०३३०१८  
दूरध्वनी: २२०३७५०७/२२०८२५५८  
तार का पत्ता: राज्य ऑडिट  
e-mail : pagmum@vsnl.com

सं. सा क्षे II (B) / प्रभार II / फा.स 341/ 469 दिनांक : 15.06.16

सेवा में,  
The Principal,  
John Wilson College,  
Chowpatty, Mumbai -400007

विषय - 01/04/2006 स 31/03/2010 अवधि तक की आपके कार्यालय के लेखाओं का निरीक्षण रिपोर्ट  
संदर्भ No. ACC/Ws/48/16 dtd. 29.45.2016

महोदय,

आपके उपनिर्दिष्ट निरीक्षण रिपोर्ट के अनुपालन की जांच के फलस्वरूप निम्नलिखित टिप्पणीयाँ प्रस्तुत हैं।  
१ निम्नलिखित परिच्छेद विभाग के दायित्व पर बन्द किये जाते हैं।

निरीक्षण रिपोर्ट की अवधि	परिच्छेद क्र	विषय संक्षिप्त में
01-04-2006 to 31-03-2010	1	Excess of expenditure over Income
01-04-2006 to 31-03-2010	2	Balance sheet Schedule -E sundry creditors

*Sudhakar*  
सहायक लेखापरीक्षा अधिकारी/सा क्षे 2(ब)

**Certificate of Financial Compliance**

JOHN WILSON EDUCATION SOCIETY'S

**Wilson College**  
(ESTD. 1832)

Chowpatty, Mumbai - 400 007. Tel. No. 23637663 / 23690876 / 42134343 Fax : 022-42134304  
www.wilsoncollege.edu. E-mail: wilsoncollege.mumbai@gmail.com / information@wilsoncollege.edu.

**RE-ACCREDITED 'A' GRADE BY NAAC**

Ref.No.Acc/Ws/48 /16 29-04-2016

To,  
The Audit Officer,  
Officer of the Accountant General (Audit) – I,  
101, Maharashtra Karve Marg, Mumbai – 400 020

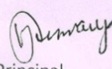
Ref: Your letter **मबी. II/चाज I/फानं 3म। 177** dated 20-10-2011

Sub: Explanation of the Inspection Report on the Account of Wilson College,  
Chowpatty, Mumbai-07 for the period from 01-04-2006 to 31-03-2010.

Dear Sir,  
This is with reference to our inspection report, seeking explanation for the points raised by A.G. we report as follows:


Para	Explanation
1) Excess of expenditure over Income	: When non-salary grants are not received, it results in a deficit i.e. expenditure of the college exceeds its revenue.
2) Balance Sheet-Schedule E "Sundry Creditors"	: This represents amount due to various parties as per schedule –E of the Balance sheet where the major part is the surplus of the Examination Fees accumulated till the balance sheet date and unutilized U.G.C. Grants.

We request you to kindly do the needful in the matter.


Thanking you,  
Yours faithfully,  
  
Principal

Copy to : Jt. Director Higher Education  
Mumbai Region , Mumbai – 400 001

प्रधान महालेखाकार (लेखा परीक्षा) - I  
का कार्यालय, महाराष्ट्र, मुंबई - 400020.

  
**29 APR 2016**

OFFICE OF THE PR. ACCOUNTANT  
GENERAL (AUDIT)-I, MAHARASHTRA  
CENTRAL REG. MUMBAI-400 020.





**ANNEXTURE No. 10****CONFERENCES / WORKSHOPS/ SEMINARS ORGANIZED RESEARCH-RELATED**

<b>Sr . No</b>	<b>Departmen ts</b>	<b>Title of Conference/ Workshop/ Seminar</b>	<b>International/ National/ State/ University/ College</b>	<b>Period/ Dates</b>
<b>2016-17</b>				
1	Philosophy	Revisiting Tagore's concept of Freedom	International	12 <sup>th</sup> January 2017
2	Bachelor of management studies	Post Demonetisation Era'- The new Normal for India with a Global perspective	International	21 <sup>st</sup> January 2017
3	Chemistry	A workshop on 'Gateway to success in CSIR-NET/SET/GATE in Chemical Sciences'	University	Sept.26-28, 2016
4	Microbiology	Molecular biology workshop	University level	13 <sup>th</sup> -14 <sup>th</sup> October, 2016
5		'Health care and career opportunities'	College Level	13 <sup>th</sup> January, 2017
<b>2015-16</b>				
1	Economics, Philosophy, Political Science	150 years of DAS KAPITAL: Re-Visiting Marx	International	August 13, 2015
2	IQAC	Greening and Sustainability: Revisioning the Enviroment	National	15 <sup>th</sup> & 16 <sup>th</sup> July
3	Festival of Peace (IQAC)	Building Bridges across Identity Politics	National	1 <sup>st</sup> & 2 <sup>nd</sup> September 2015
4	Microbiology	Inter-collegiate Research Meet	State	15 <sup>th</sup> January, 2016
5.	Physics	Two day seminar on 'Frontiers of Physics'	University	9-10 <sup>th</sup> Feb. 2016
<b>2014-15</b>				
1	Festival of Peace (IQAC)	The Great War and the Shaping of the Contemporary World	International	4 <sup>th</sup> & 5 <sup>th</sup> August 2014
2.	Microbiology	Lecture on 'Entrepreneurial mode of Science'	College	21 <sup>st</sup> June, 2014

3.		Colloquium on 'Sensitization on Environmental Issues '	University	26 <sup>th</sup> July, 2014
4.	Zoology	Advance Microscopy	University	22 <sup>nd</sup> November 2014
2013-14				
1	Hindi	Pravasi Aur Samkaleen Hindi katha Sahitya	International	6 <sup>th</sup> Jan. 2014
2		Aadivasi kendrit Hindi Sahitya	National	12 & 13 Sept. 2013
3.	Microbiology	'Workshop on Molecular Biology Techniques' for the M.Sc Part I students	University	9 <sup>th</sup> – 10 <sup>th</sup> Sept, 2013
4.	Physics	Empowering India through Atomic Energy	University	21 <sup>st</sup> - 23 <sup>rd</sup> Aug 2013
2012-13				
1.	Microbiology	Workshop on 'Molecular Biology Techniques and other important techniques of Immunology'	University	4-6 October and 11-13 October, 2012
2.		National Symposium on 'Exploring the Environment- A Microbiological Approach'	National	5 <sup>th</sup> January, 2013
2011-12				
1.	Microbiology	Workshop on 'Molecular Biology Techniques' for University teachers	University	24th-26th Aug 2011
2.		Workshop on 'Practical Bioinformatics' for University teachers	University	27 <sup>th</sup> August, 2011

**ANNEXTURE No. 11****Other Than Research Funds**

Sr. No.	Department	Funds Details	Agency	Amount	Date
	Chemistry	Financial Assistance for participating in Clima 2016 12 Rehva World Congress in Denmark	SERB	1,59,248/-	08-04-2016
	Microbiology	6 <sup>th</sup> Konark Research Meet	Konark Group of Companies	93,264/-	15-01-2016
	Microbiology	Research Project	Jaypee Institute	25,000/-	09-10-2015
	PG Science	One time Grant (Basic Search Research)	UGC	10,00,000	21-07-2015
	Physics	Grant –in -Aid	UGC	1,28,592	08-07-2015
	Microbiology	Travel Grant	UGC	50978/-	14-08-2015
	Microbiology	Teachers Training Program	Lady Tata Memorial trust	283900/-	05-08-2014
	College	Grants –in – Aid (General Development Assistance)	UGC	6,80000/-	11-03-2014
	College	Establishment and monitoring of the Internal Quality Assurance Cells	UGC	300000/-	07-03-2014
	Hindi	National Seminar- AdivasiKendrit Hindi Sahitya	UGC	1,12,500	11-03-2013
	College	Additional Assistance Grant Under section 12(B) of UGC (XI Plan)	UGC	50,00,000/-	15-02-2013
	College	Teaching and research facilities	DST-FIST	81,00,000/-	05-09-2012

	Chemistry	Financial Assistance for attending 10 <sup>th</sup> International Healthy Buildings Conference in Australia	SERB	1,61,228/-	07-06-2012
	Microbiology	Research Project	ICT, Mumbai	50,000/-	04-03-2011

**ANNEXTURE No. 12****Research Funds**

Sr	Department	Nature of the project	Duration Date and year (From-to)	Name of the funding Agency	Total grant sanctioned	Total grant received
2016-17						
1	CHEMISTRY	Minor Projects(3)	1 year (June2016April 2017)	University of Mumbai	Rs.85000/-	Rs.85000/-
		Minor Projects Teacher (1)		Research Committee, Wilson College	Rs.10,000/-	Rs.10,000/-
		Minor Projects Students(2)			Rs.14,000/-	Rs.14,000/-
2	MICROBIOLOGY	Minor Projects(1)	1 year (June2016-April 2017)	Mumbai University	Rs. 40,000/-	
		Minor Projects Teacher (3)		Research Committee, Wilson College	Rs. 30,000/-	Rs. 30,000/-
		Minor Projects Students(3)			Rs.21,000/-	Rs.21,000/-
3	Botany	Minor Project (teacher)	1 year (June2016-April 2017)	Research Committee, Wilson College	Rs.5000/-	Rs.5000/-
4	English	Minor Project (Student)	1 year (June2016-April 2017)	Research Committee, Wilson College	Rs.8000/-	Rs.8000/-
5	Economics	Minor Project (teacher)	1 year (June2016-April 2017)	Research Committee, Wilson College	Rs.8000/-	Rs.8000/-
2015-16						

1	CHEMISTRY	Major Projects	01	UGC-MRP/BA RC	15,75,000/-	11,75,000/-
1	MICROBIOLOGY	Minor Projects	2 years (March 2014-2016)	UGC	RS. 9,20,000/-	Rs. 7,17,500/-
2		Project sponsored by University/ College	1 year (June 2014-April 2015)	Mumbai University	Rs.30,000/-	Rs. 30,000/-
3		Any other (Industry)	1 year (June 2014-April 2015)	JAYPEE institute of information technology, Noida	Rs. 25,000/-	Rs. 25,000/-
2014-15						
4	ZOOLOGY	Minor Projects	2 years (Feb 2015-2016)	UGC	Rs ;2,50000/	-----
5	MICROBIOLOGY	Major Projects	3 years (July 2011- Dec 2014)	UGC	Rs. 23,77,100	Rs. 22,11,600/-
6		Minor Projects	2 years (March 2014-2016)	UGC	RS. 9,20,000/-	Rs. 7,17,500/-
7		Project sponsored by University/ College	1 year (June 2014-April 2015)	Mumbai University	Rs. 85,000/-	Rs. 85,000/-
8		Students Research projects (Other than Compulsory by the University)	2 years (June 2013-April 2015)	College management	Rs. 6000/-	Rs. 6000/-
9		Any other (Trust)	1 year	Lady Tata Memorial trust	Rs. 283900/-	Rs. 277900/-
2013-14						
10	MICROBIOLOGY	Major Projects	3 years (July 2011- Dec 2014)	UGC	Rs. 23,77,100/-	Rs. 22,11,600/-
2012-13						
11	MICROBIOLOGY	Major Projects	3 years (July 2011- Dec 2014)	UGC	Rs. 34,35,400/-	Rs. 26,16,823/-
12		Project sponsored by	1 year (June 2012-April 2013)	Mumbai University	Rs. 27,400/-	Rs. 27,400/-

		University/ College				
2011-12						
13	CHEMISTRY	Minor Projects	5-11-09 to 5- 11-11	UGC	Rs. 1,56,000/-	Rs. 1,16,000/-
14	MICROBIOLOGY	Major Projects	3 years (July2011- Dec 2014)	UGC	Rs. 23,77,100/-	Rs. 22,11,600/-
15		Project sponsored by University/ College	1 year (June2011- April 2012)	Mumbai University	Rs. 90,000/-	Rs. 90,000/-

**ANNEXTURE No. 13****List of Ongoing and Completed Projects**

<b>Completed Major Research Projects</b>					
Sr. No	Name of the Research Project	Principal Investigator	Funding agency	Funds (Amount in Rs.)	Duration
1.	'Molecular Analysis of genes encoding antibiotic resistance in uropathogens'	Dr. K. Aruna	<b>UGC Major project</b> F.No.40-111/2011(SR)	8,95,800/-	3 yrs (July2011- July 2014)
2.	Study of dye degradation by bacterial consortium	Dr.V.Sirwaiya	<b>UGC Major project</b> F.No.40-191/2011(SR)	10,91,000/-	3years (2011-14)
3.	Study of novel prodigiosin types, analogues and yield from Serratia strains	Mr.N.Jahagirdar	<b>UGC Major project</b> F.No.41-1164/2012(SR)	10,58,300/-	3years (2012-15)

<b>Ongoing Major Research Projects</b>					
Sr. No	Name of the Research Project	Principal Investigator	Funding agency	Funds	Duration
1.	"Distribution behavior and associated metal concentration of Nano particles in urban and suburban areas of Mumbai."	Dr.Jamson Masih	<b>BARC, Mumbai</b>	Rs 15 lakhs	3 years
2.	Polycyclic aromatic hydrocarbons and their related carcinogenic potencies estimation in PM2.5 particulate matter in urban and suburban areas of Mumbai.	Dr.Jamson Masih	UGC Major project F.No.43-326/2014(SR)	15,75,000/-	2015-18



Research Minor Projects Completed					
Sr. No	Name of the Research Project	Principal Investigator	Funding agency	Funds	Duration
<b>2011-12</b>					
1.	Transition Metal Complexes of some Polydentate Ligands and their application”	Dr.S.Z. Bootwala	UGC (file No-47-811 /09)	156000	2 years (2009-11)
2.	‘ Isolation and identification of Dye Degrading bacterium from effluent of textile industry’	Ms. R. Birmole	Mumbai University minor project (Ref no. APD/237/298 of 2011	30,000	1 year (2011-12)
3.	‘Optimization and characterization of biosurfactant produced by bacteria from oil contaminated soil samples’	Ms. A. Pendse	Mumbai University Ref no. APD/237/297 of 2011	30,000/-	1 year
4.	Study on optimization of Methyl parathion degradation by <i>Bacillus thuringensis</i> INRS-7 isolated from soil.	Ms. M.R.Gore	Mumbai University Ref no. APD/237/296 of 2011	30,000/-	1 year
<b>2012-13</b>					
5.	“Study on optimization of inulinase production by bacterium isolated from rhizosphere of <i>Agave sisalana</i> ”	Dr. K. Aruna	Univ. of Mumbai (APD/237/468 of 2012)	27,400/-	1 year (2012-13)
<b>2013-14</b>					
6.	Optimization of Polyhydroxyalkonates accumulation by bacterium isolated from oil contaminated soil and characterization of biopolymer	Ms. J. Mascarenhas	F.No40-191/2011(SR)	4,45,000/-	3 years (2011-14)
<b>2014-15</b>					
7.	An Investigate study of use of Aquaponics as a mean of improving yield from agriculture and	Dr.M .Sushant	F.No:47-969/2014(WRO)	2,50,000/-	2 years

	aquaculture productivity in rural areas				
8.	Generation of electricity-microbial treatment of wastewater through MFC	Ms.R.Birmole	Univ. of Mumbai	25,000/-	1 yr
9.	Optimization and partial characterization studies of protease from bacterial isolate obtained from honey sample	Ms.A. Pendse	Univ. of Mumbai	25,000/-	1yr
10	Biosynthesis of silver nanoparticles using aqueous leaf extract of <i>Osmium kilimandscharium</i> and study of its antimicrobial activity against ESBL and MBL pathogens	Ms. M. Gore	Univ. of Mumbai	15,000/-	1yr
11	Isolation and characterization of lipase producing bacterium from pond soil	Ms. J. Mascarenhas	Univ. of Mumbai	20,000/-	1yr
<b>2015-16</b>					
12	“Effect of <i>Psidiumguajava</i> plant extracts and cinnamon essential oil on Biofilms of ESBL and MBL producing uropathogens”	Prof. K. Aruna	Univ. of Mumbai	30,000/-	1yr
13	Antimicrobial and resistance reversal activity of various extracts of <i>Pimentadiocia</i> leaves against ESBL producing clinical isolates	Ms. Meghana Gore	UGC	4,75,000/-	2 years
14	Optimization of Polyhydroxyalkanoates accumulation by bacterium isolated from oil contaminated soil and characterization of the biopolymer	Ms. J.Mascarenhas	UGC	4,45,000/-	2 years

Research Minor ongoing project					
Sr. No	Name of the Research Project	Principal Investigator	Funding agency	Funds	Duration
<b>2016-17</b>					
	Synthesis ,structural characterization and antimicrobial activity studies of metal complexes of the Schiff bases ligand derived from substituted (2Z)-2-(hydroxyimino)-1-phenylethone and 4-amino-1,5-dimethyl-2-phenyl-1,2-dihydroxy-2H-pyrazol-3-one	Dr.S.Z. Bootwala	University of Mumbai	25000/-  (Ref.No. APD/237/429:303 of 2017)	1 year  (2016-17)
	Kinetic and mechanistic studies of the controlled oxidation of perfumery and cyclic alcohols using organic and inorganic oxidizing agents	Dr. Harichandra A. Parbat	University of Mumbai	30000/-  (Ref. No. APD/237/429:327 of 2017)	1 year  2016-17
	Preparation and Characterization of binuclear complexes and their potential as biomimics	Dr.Ashish S Uzgare	University of Mumbai	30000/-  (Ref. No. APD/237/429:325 of 2017)	1 year  (2016-17)
	Synthesis, spectroscopic, structural characterisation, electrochemical, thermal and antimicrobial activity studies of the Schiff base ligand N, N'-bis [(1E, 2E)-2-(hydroxyimino)-1-phenylethylidene] benzene-1, 2-diamine and its metal complexes	Dr.S.Z. Bootwala	Research Committee, Wilson College	Rs. 10,000/-	June 2016-April 2017
	Synthesis, characterization and antimicrobial activities of metal complexes derived from 4-aminoantipyrine derivatives	Dr.S.Z. Bootwala (Mentor) Students Project	Research Committee, Wilson College	Rs. 8,000/-	June 2016-April 2017

	"Kinetic, Thermodynamic and Mechanistic studies of the oxidation of industrially important aliphatic alcohols"	Dr. H. A. Parbat. (Mentor) Students Project	Research Committee, Wilson College	Rs. 7,000/-	June 2016- April 2017
	Evaluation of antimicrobial and antioxidant activity of <i>Stevia rebaudiana</i> against ESBL producing uropathogens	Prof. K. Aruna	Research Committee, Wilson College	Rs. 10,000/-	June 2016- April 2017
	Stud of antibacterial effect of methanolic extracts of Barhee dates on biofilm forming ESBL and MBL uropathogens	Ms. A. Pendse(Mentor) Students Project	Research Committee, Wilson College	Rs. 8,000/-	June 2016- April 2017
	Optimization studies of Violacein production by <i>Chromobacterium violaceum</i> isolated from rhizosphere soil	Ms. R. Birmole	Research Committee, Wilson College	Rs. 10,000/-	June 2016- April 2017
	Generation of electricity: Treatment of pond water sample through Microbial Fuel Cell	Ms. R. Birmole (Mentor) Students Project	Research Committee, Wilson College	Rs. 7,000/-	June 2016- April 2017
	Isolation, identification and application of a bioluminescent bacterium as a potential biosensor	Ms. M. Gore	Research Committee, Wilson College	Rs. 10,000/-	June 2016- April 2017
	Study of microbial flora on currency notes and coins in circulation	Ms. J. Mascarenhas (Mentor) Students Project	Research Committee, Wilson College	Rs. 7,000/-	June 2016- April 2017
	Application of a bioluminescent bacterium as a potential biosensor	Ms.G. Gnaseelan	Univ. of Mumbai	Rs. 40,000/-	June 2016- April 2017
	The scope and extent of drama in theory.	Ms. M .Phillip (Mentor) Students Project	Research Committee, Wilson College	Rs.8000/-	June 2016- April 2017
	Structural changes in state economy of Gujarat in the Post reform period	Dr.A.Masurguppi	Research Committee, Wilson College	Rs.8000/-	June 2016- April 2017
	An investigation on phytosociology of selected plant communities in Mumbai district.	Dr.Jay Knox (Mentor) Students Project	Research Committee, Wilson College	Rs.5000-	June 2016- April 2017



**ANNEXTURE No. 14****List of Editor/ in chief/ member of editorial Board**

Sr. No.	Name of the Teacher	Editor/ in chief/ member of editorial Board	Journal	ISSN/ISBN No.	Publisher
1	Prof. S. Bhalerao	Member of editorial Board	Bionano Frontier	ISSN 0974-0678	International Society of science and technology
			Science Research Reporter– An International Journal of Science and Technology	ISSN 2249 – 2321	Published by: RUT Printer and Publisher
			Universal Journal of Environmental Research and Technology	ISSN Online 2249 – 0256	Euresian Publications
			Biochemical And Cellular Archives-An International Journal	ISSN 0972-5075, (eISSN 0976-1772	Connect Journals
			African Journal of Environmental Science and Technology - An International Journal	ISSN 1996 – 0786	Academic Journals
			Asian Journal of Experimental Biological Sciences(IJESBS)	ISSN – 0975 – 5845	Published by: Agra: Society of Applied Sciences

			Global Journal of Bio-sciences and Biotechnology	ISSN 2278 – 8891 Print, 2278 – 9103 Online	Published by: Society for Science and Nature (SFSN)
			International Journal for Environmental Rehabilitation & Conservation	- ISSN 0975 – 6272 (Online)	: MANU – International Council for Man and Nature
			Annals of Pharma Research	ISSN 2347-1956	Digital Object Identifier (DOI)
2.	Prof. K. Aruna	Member of editorial board	Asian Journal of Bioscience	ISSN 0973-4899	Hind Institute of Science, India
			Journal of Microbial world	ISSN 0972-1487	Microbiologists' Society, India
3.	Dr. D. V. Prabh u	Chief Editor	Green Chemistry and Technology Letter (2015)	2455 – 3611	Gyandhara International <i>Academic</i> Publication ( <i>GIAP</i> )
		Member of editorial Board	Swedish Scientific Publications 2015-2016	-----	Swedish Scientific Publications, Gothenburg, Sweden
			Iraqi National Journal of Chemistry	ISSN:2223-6686 ISSN online:2409-0662	University of Babylon under authority of the Iraqi Ministry of Higher Education and Scientific
			Rasayan Journal of Chemistry	ISSN (print) 0974-1496 ISSN (Online) 0976-0083	Rasayan Journal of Chemistry

**ANNEXTURE No. 15****List of Research Publications**Research papers published in **International Journals** in the year 2016 – 2017: **19**

Sr. No.	Name of teacher (Main Author)	Title with page nos.	Journal	Inter-national / National/ Others	ISSN/ ISSBN No.	Peer Reviewed/Non-Peer Reviewed/ e-journal/ Conference Proceedings	Names of Co-authors	Impact Factor with AGENCY
1.	Ms. M .Phillip	'Problematizing the Notion of the Bible as an Original Text' – Vol. IV, Issue IV – July 2016 pg 46-51	Research Journal - Research Chronicler	International e-journal	ISSN - 2347-5021	Peer reviewed		
2.	Prof. S. Bhalerao	Quantitative Evaluation of Heavy Metals from industrial waste water from Thane-Belapur Midc Area, Maharashtra, India pp: 1-7, 2016	International Journal of Extensive Research	International	2394-0301	Peer reviewed	02	2.605
3.		An evaluation of comparative biosorption study of cadmium (II) and chromium (VI) using rind of Orange (Citrus sinensis, L. Osbeck) under optimized conditions pp: 44-56, 2016	International journal of life sciences.	International	2320-964X (O) 2320-7817 (P)	Peer reviewed	02	-
4.		Microbial Fuel Cell: A Source of Sustainable Energy pp:1-12,	Biovistas : International Journal of	International	2307-9029	Peer reviewed	03	-



		2016	Biological Research – IJBR					
5.		Vermicomposting: A new trend towards management of agricultural waste (Paddy straw) pp:61-67, 2016	International Journal of Current Research and Academic Review	International	2347-3215	Peer reviewed	01	-
6.		Study of changes in the number of earthworms and cocoons during the process of the vermicomposting of bagasse pp:7766- 7768, 2016	International Journal of Development Research (IJDR)	International	2230-6690	Peer reviewed	01	SJIF 2015 – 4.25
7.		Study of agricultural waste (Paddy straw) during vermicomposting with respect to changes in number of earthworms and cocoons pp:31359-31361, 2016	International Journal of Current Research (IJCR)	International	0975-833X	Peer reviewed	01	SJIF 2015 – 6.226
8.		Positive interaction of AM Fungi with Capsicum annum L. (Chilli) pp:7-12, 2016	International Journal of Life Sciences	International	ISSN 2320 – 7817 (P) ISSN 2320 – 964 (O)	Peer reviewed	01	ICV 2014:30.06
9.		Phytoremediation potential of Alternanthera sessilis L. growing in industrially contaminated environment pp:44550- 44556, 2017	International Journal of Current Research	International	0975-833X	Peer reviewed	01	-

10.	Dr. A. Chris	Analysis of Azolla filiculoides exposed to insecticide Endosulfan with special reference to oxidative stress pp:351-354, 2016	Biochemical and Cellular Archives	International	0972-5075	Peer reviewed	Nil	4.46 (NAAS)
11.	Dr. J. Knox	Effect of Cassia occidentalis on Parthenium hysterophorus by way of secondary metabolites pp:1451- 1453, 2016	Annals of Plant Sciences	International	2287-688X	Peer reviewed	-	0.471 GIF
12.		A Survey on Bio-waste Accumulation in Selected Temples of Mumbai Region pp: 551-557, 2016	Research Inspiration- An International Multidisciplinary e-journal	International	2455-443X	Peer reviewed	05	-
13.	Dr.A.Burange	Palladium Supported on Fluorite Structured Redox CeZrO <sub>4</sub> for Heterogeneous Suzuki Coupling in Water: A Green Protocol ChemistrySelect 1 (11), 2673-2681	Chemistry Select	International	ISSN: 2365-6549	Peer Reviewed	3	--
14.	Mr.K.Shinde	A Rapid and Efficient Microwave assisted synthesis of 2-arylbenzoxazoles by using DBH under solvent free condition. pp 284-289	Journal of Chemical and Pharmaceutical Research	International	0975-7384	Peer Reviewed	----	0.543
15.	Prof.K.Aruna	Bioremediation of Dye effluent waste through an optimised Microbial Fuel Cell. 3(5): 214-226.	Int. J. Adv. Res. Biol. Sci.	International	ISSN No: 2348-8069	Peer Reviewed	5	5.142 SJIF
16.	Prof. K.Aruna	Detection and confirmation of plasmid mediated antibiotic resistance and restriction	European Journal of Biomedical and	International	IISN No: 2349-8870	Peer Reviewed	6	4.382

		enzyme analysis of plasmids extracted from $\beta$ -lactamase producing uropathogens .2016; 8(3): 534-544	Pharmaceutical sciences					
17.		Bioremediation of temple waste (nirmalya) by vermicomposting in a metropolitan city like Mumbai. (2016). 1(7): 1-18	Int. J. Curr. Res. Biol. Med.	International	IISN No: 0976-6685	Peer Reviewed	5	5.51
18.	Mr U.Patil	Work Function Measurements of Copper Nanoparticle Intercalated PolyanilineNanocomposite Thin Films	will be published in AIP Conference Proceedings).	National		Peer Reviewd	4	
19.		,Room temperature NO <sub>2</sub> gas sensing properties of p-toluenesulfonic acid doped silver-polypyrrolenanocomposite, 118-126	Sensors and Actuators B 242 (2017).	International		Peer Reviewed	4	

Research papers published in **National Journals** in the year 2016 – 2017: **05**

Sr. No	Name of teacher (Main Author)	Title with page nos.	Journal	Inter-national / National/ Others	ISSN/ ISSBN No.	Peer Reviewed/Non-Peer Reviewed/ e-journal/ Conference Proceedings	Names of Co-authors	Impact Factor with AGENCY
1.	Ms.M.Phillip	<i>Nonlinear Narrative Techniques in Storytelling: A Study of the Film The Hours,</i>		National		<b>Conference Proceedings</b>		
2.		<i>The Relevance of George Orwell's Nineteen Eighty-Four to the Contemporary Socio-Political Scenario,</i>		National		<b>Conference Proceedings</b>		
3.		'Stop Telling Me Who I Am! Re-	In the one-day	National	awaited.	Conference proceedings		

		Viewing How Control Over Female Attire Is Aimed at Curbing Female Desire K.V. Pendharkar College on 25 <sup>th</sup> February	multi-disciplinary national conference on Contemporary Trends in Language, Literature, Feminism and Culture		ISBN Number	Awaited		
4.		'Shakespeare Goes to the Movies: A Comparative Analysis of Shakespeare's <i>Macbeth</i> and Akira Kurosawa's film <i>Throne of Blood</i> '		National	ISBN - 978-81-922741-6-4	Conference proceedings of the U.G.C. sponsored two-day National Conference, Revisiting Shakespeare 400 Years After.		
5.	Ms.S. Nalwalla	Libraries in 19 <sup>th</sup> Century . Bombay	Journal of the K.R.Cama Oriental Institute (Vol-II) No.74 2016-17	National	ISSN; 0970-0609			

Research papers published in **International Journals** in the year 2015 – 2016: **28**

Sr. No	Name of teacher (Main Author)	Title with page nos.	Journal	Inter-national / National/ Others	ISSN/ ISSBN No.	Peer Reviewed/Non-Peer Reviewed/ e-journal/ Conference Proceedings	Names of Co-authors	Impact Factor with AGENCY
1.	Dr.H.Badkar							
2.		(i) Concept of Universal Religion in Swami Vivekananda and Mahatma Gandhi-An Introspection pg. 60-73	Philosophy Series nr.34 (2/2014)	International	ISSN-1841-8325			

3.	Prof. S. Bhalerao	Removal of Zinc (II) ions using peanut hulls ( <i>Arachis hypogea</i> Linn.) from aqueous solutions in a batch system 64-65	International Journal of Advanced Research in Biological Science 2	International	ISSN: 2348-8069	Peer- reviewed	02	5.252
4.		Studies on Cr (VI) biosorption using cost effective biosorbent: peanut hulls ( <i>Arachis hypogea</i> ) 45-47	<i>Asian Journal of Science and Technology</i>	International	0976-3376	Peer- reviewed	02	-6.315
5.		Chromium: As an Environmental Pollutant 88-89	<i>International Journal Current Microbiology and Applied Sciences</i>	International	ISSN:2319-7692(Print)ISSN:2319-7706(Online)	Peer- reviewed	-	- NAAS 5.38
6.		Biosorption studies of Cadmium (II) ions from aqueous solution onto Orange rind ( <i>Citrus sinensis</i> L. Osbeck)-101-103	Octa Journal of Environmental Research	International	2321-3655	Peer- reviewed	02	Perna Society Impact Factor: 2.58
7.		Effect of vermiwash on the Growth parameters of <i>Solanum melongena</i> L. (Brinjal plant). 114-115	International Journal of Advanced Research in Biological Science	International	2348-8069	Peer- reviewed	02	5.252
8.		Role of fungi: as Lignocellulosic waste Biodegrader of Agricultural waste (Paddy Straw). 84-85	Int. j. of life science, Special issue, A4	International	SSN: 2320-964X (Online) ISSN: 2320-7817 (Print)	Peer- reviewed	03	- SJIF 4.23
9.		Quantitative Evaluation of Heavy Metals from industrial	International Journal of	International	22	Peer- reviewed	01	2.605

		waste water from Thane-BelapurMidc Area, Maharashtra, India 87-88	Extensive Research		2394-0301			
10.	Dr. A. Chris	Interactive effect of NaCl and UV-B radiation on growth, pigments and antioxidants in cyanobacterium <i>Nostocmuscorum</i> 409-416	<i>Biochemical and Cellular Archives</i>	International	0972-5075(P) 0976-1772(o)	Peer reviewed	-	-
11.	Dr. J.Knox	Inhibitory potential coffee weed on Parthenium, pp 93-94	Indian Journal of Weed Science	International	0253-8040	Peer reviewed	04	-
12.	Dr.S.Bootwala	Novel Binuclear Copper (II) Complexes Of Tetradentate (NNNN) Functionalized Ligands :Synthesis And Characterizations	International Journal of Innovative Research in Science, Engineering and Technology	International	ISSNOnline2319-8753 ISSN 2347-6710	Peer-reviewed	NIL	5.442
13.	Ms. H. Shaikh	Invivo study of immunomodulatoryeffect of <i>Gmelinaarborea</i> Roxb. Vol 4 (4) 2015 (Pg. no. 49-55)	International Journal of pharmaceutical research scholars	International	2277-7873	Peer reviewed	1	1.0285
14.		Invivo study of immunomodulatory effect of <i>Kalanchoepinnata</i> (Lam.) PersVol 4 (4) 2015 (Pg. no. 56-62)	International Journal of pharmaceutical research scholars	International	2277-7873	Peer reviewed	1	1.0285
15.		High performance liquid chromatographic method for simultaneous quantitation of luteolin and Quercitin form dried whole plant powder of <i>Gmelinaarborea</i> Roxb. and	International Journal of Science and Research	International	2319-7064	Peer reviewed	1	5.611

		<i>Kalanchoepinnata</i> (Lam.) Pers(Pg. no. 1820-1824)						
16.	Dr.A.Burange	Transfer Hydrogenation Studies of Aromatic Nitro Groups Over Nickel-Boron Amorphous Alloy Catalysts, Current Catalysis 5 (2), 129-134	Current Catalysis	International	ISSN: 2211-5447	Peer-reviewed	2	--
17.	Prof.K.Aruna	Synergistic Interaction of <i>Ocimumbasilicum</i> Extracts with Antibiotic Against $\beta$ -lactamase Producing Uropathogens 2015; 6(6): 177-184.	International Journal of Advances in Pharmaceutical Research	International	ISSN -2249-7226	Peer Reviewed	1	-IF-0.524
18.		Antibacterial activity of green tea ( <i>Camellia sinensis</i> ) leaf extract against Metallo- $\beta$ -lactamase producing uropathogens. 2015; 2(9): 9-15201-221	International Journal Of advanced research and biological sciences.	International	ISSN: 2348-8069	Peer Reviewed	2	Impact factor 0.9967
19.		Formulation of $\beta$ -lactam antibiotic encapsulated micro-and multiple-emulsions, and evaluation of its antibacterial activity against $\beta$ -lactamase producing uropathogens.	International Journal of Current Microbiology and Applied Sciences	International	ISSN: 2319-7706	Peer Reviewed	3	IF-2.937
		Optimization of inulinase production by <i>Stenotrophomonasmaltophila</i> D457 isolated from rhizosphere soil of <i>Musa acuminata</i> using garlic extract.	International Journal of Research Studies in Microbiology and Biotechnology	International	ISSN 2454-9428	Peer Reviewed	2	-
20.		Antibacterial and synergistic activity of mangrove ( <i>Avicennia marina</i> ) extracts on ESBL and	Journal of Global Biosciences	International	ISSN2230 1355	Peer Reviewed	3	IF-0.676

		MBL producing uropathogens. 2730-7						
21.		Green synthesis of silver nanoparticles using <i>Ocimum americanum</i> aqueous leaf extract and study of its antimicrobial activity against ESBL and MBL producing pathogens.	International Journal of Current Research	International	ISSN: 0975-833X	Peer reviewed	3	SJIF-6.226
22.		Molecular detection of co-production of ESBL, AmpC and Integrons among uropathogens in a study from Mumbai.	European Journal of Biomedical and Pharmaceutical Sciences	International	ISSN 2349-8870	Peer reviewed	1	factor 3.991
23.	Dr.S. Mane	Record of brown paper nautilus <i>Argonatushians</i> Lightfoot, 1786, off Mumbai, northwest coast of India	International Journal of Life Sciences	International	ISSN: 2320-7817	Peer Reviewed	-	
24.	Dr.D.Lad	Analysis of pollution status of wetland areas using various species diversity index 616-617.	Scholars Academic Journal of Biosciences	International	ISSN: 2321-6883(Online), ISSN: 2347-9515(Print).	Peer Reviewed	-----	1 Thomas Reuters
25.		Study of zooplankton distribution from estuarine area of Bhayander and Naigaon, Thane, Maharashtra, India 370 – 371	International Journal of Scientific Research	International	ISSN: 2277 – 8179.	Peer Reviewed	1	3.4 Thomas Reuters
26.		Study of pollution index in a stretch of estuarine area of Bhayander and Naigaon, Thane, Maharashtra, India 285 – 286	International Journal of Scientific Research	International	ISSN: 2277 – 8179.	Peer Reviewed	1	3.4 Thomas Reuters



27.		Present status of mangroves and aspect of pollution index along the estuarine area of Bhayander and Naigaon, Thane, Maharashtra, India 322 – 324	International Journal of Scientific Research	International	ISSN: 2277 – 8179.	Peer Reviewed	-	3.4 Thomas Reuters
28.		Prototype to determine the environmental sustainable freshwater aquarium. 362 – 363	International Journal of Scientific Research	International	ISSN: 2277 – 8179.	Peer Reviewed	-----	3.4 Thomas Reuters

Research papers published in **National Journals** in the year 2015 – 2016: **06**

Sr. No	Name of teacher (Main Author)	Title with page nos.	Journal	Inter-national / National/ Others	ISSN/ ISSBN No.	Peer Reviewed/Non-Peer Reviewed/ e-journal/ Conference Proceedings	Names of Co-authors	Impact Factor with AGENCY
1.	Dr.A. Masarguppi	'Agriculture in India: Issues, Policies & Challenges' 53-60	Xplore The Xavier's Research Journal Vol. 6, Issue 1, (Humanities & Social Sciences Edition) December, 2015	National	ISSN 2249-1878	Peer Reviewed	NIL	NIL
2.	Dr.B.MehtaRathi	Martha Nussbaum's Capabilities Approach and Health Care Ethics: A Critical Study' pp. 145- 168	Indian Philosophical Quarterly (January-December 2013, published in August 2015)	National	ISSN 0376-415x			

			Vol., 40 No.1-4					
3.		'Hindi Films, Cosmopolitanism and Democratization of Culture' pp. 144-148	organized by Joshi Bedekar College, Jnandweepa, Thane College	National	ISBN 978-81-922741-5-7	Conference Proceedings		
4.	Ms.A.Chaturvedi	Memes in Visual Media: Understanding the impact of this powerful cultural transition	International Conference on Visual Media Culture published by KC College in February 2015	National	ISSN 2394-7594	Conference Proceedings	-	-
5.	Ms.T.Aranha	'YehJawaniHaiDeewani: Young Audiences and Cultures of Viewing'	Conference Proceedings of the International Conference on Visual Media Culture published by KC College in February 2015	National	ISSN 2394-7594	Conference Proceedings	-	-
6.		'Disciplined Interdisciplinarity: Enriching Sociological Research in Hindi Cinema' February 2015. The National Seminar	'Interdisciplinary Approach to Research and Teaching in Social Sciences' organized by Interdisciplinary School (Humanities and Social Sciences) SavitribaiPhule Pune University and St. Mira's College, Pune	National		Conference Proceedings	-	-

Research papers published in **International Journals** in the year 2014 – 2015: **31**

Sr. No	Name of teacher (Main Author)	Title with page nos.	Journal	International / National/ Others	ISSN/ISSBN No.	Peer Reviewed/Non-Peer Reviewed/ e-journal/ Conference Proceedings	Names of Co-authors	Impact Factor with AGENCY
	Dr.A.Masarguppi	Research Paper: Disparities in Economic Growth: An Empirical Analysis of States in India & Its Policy Implications for Lagging States Pg nos: 26-38	International Journal of Business Insights and Transformation Vol.8, Issue 1, Oct-14-March 15	International	ISSN 0974-5874	Peer Reviewed	Dr.ManishaKarne	NIL
	Ms.M.Phillip	Indian Women's Search for Identity Vis-à-Vis Mainstream Bollywood Cinema	E – Journal	International	2188-9686	Peer Reviewed / Conference Proceedings	None	
	Prof.S. Bhalerao	Phytosociology of <i>parthenium hysterophorus</i> and its possible management through some potential bio-agents International Journal of Life Sciences.49 - 52.	International Journal of Life Sciences	International	2320-964X (Online)	Peer Reviewed	02	-
		Green Marketing: A new marketing strategy for environmentally compatible products.1531-1538	International Journal Of Development and Research	International	2230-9926	Peer Reviewed	-	-
		EthnopharmacologyPhytochemistry and Pharmacological Evaluation of <i>Pongamiapinnata</i> (L.)Pierre. 50-60	Int. J. Curr.Res.Biosci.PlantBiol.	International	ISSN: 2349-8072 (Print), ISSN: 2349-8080	Peer Reviewed	01	-

					(Online)			
		Ethnomedicinal, phytochemical and pharmacological profile of <i>Fiscusreligiosa</i> Roxb 528-538.	Int.J.Curr.Microbiol.App. Sci	International	2319-7706	Peer Reviewed	01	-
		Effective removal of Cr (VI) from aqueous solutions using rind of Orange ( <i>Citrus sinensis</i> , L. Osbeck).653-671.	International Journal of Current Microbiology and Applied Sciences	International	2319-7692	Peer Reviewed	02	-
		Use of <i>Terminaliacatapa</i> L leaves for effective removal of chromium (VI) from aqueous solutions .48–62.	Journal of Current Research in Chemistry and Pharaceutical Science	International	2348-5213	Peer Reviewed	02	-
		Competitive biosorption of Lead (II) ions from aqueous solutions onto <i>Terminaliacatapa</i> L leaves as a low cost biosorption.067-079.	Octa Journal of Environmental Research	International	2321-3665	Peer Reviewed	02	-
		Effect of Biofertilizer ( <i>Azotobacter</i> sp.) on the growth of Blackgram <i>Vignamungo</i> (L.) Hepper.20-23	International Journal of Current Research in Biosciences and Plant Biology	International	2349-8072	Peer Reviewed	02	-
	Dr. A. Chris	Study of growth and N <sub>2</sub> metabolism in rice field biofertilizer <i>Azolla microphylla</i> exposed to cadmium stress.107- 110.	<i>Research in Environment andLife Sciences</i>	International	0974-4908	Peer Reviewed	-	-
	Dr. J. Knox	Phytosociology of <i>Partheniumhysterophorus</i> and its possible management through some potential Bio-agents, pp49-	International Journal of Life Sciences 2(1)	International	2320-7817	Peer reviewed	02	-

		52						
	Dr. D.Prabhu	'A Comparative study of the oxidation Rates of Some Industrially important Alcohols Using Inorganic Salts' Vol 26, Supplementary issue(2014), ppS6-S8	Asian Journal of Chemistry	International	ISSN (Print) 0970-7077	Peer reviewed	3	----
		A kinetic study of the transition metal ion catalysed oxidation of some industrially important acyclic alcohols.	Xavier's Research Journal Vol. 4	International	ISBN (Print) 0970-7077	Peer reviewed	2	
		Kinetic and thermodynamic studies of the oxidation of perfumery alcohols using potassium periodate in acidic medium	Rasayan Journal of Chemistry, vol-8(1), 2015	International	0974-1496	Peer-reviewed	3	0.68
		Kinetic studies of transition metal ion catalysed oxidation of some fragrancealcohols.	Asian Journal of Chemistry	International		Peer reviewed	4	
	Dr. M.Uchil	Stereoselective facile synthesis of syn 2,2'-azobis -4,4-dimethylbenzenamine	International Journal of Chemistry	International	ISSN-2249-2119	Peer reviewed	1	1.038
	Prof.K.Aruna	Optimization studies on production and activity of lipase obtained from <i>Staphylococcus pasteurii</i> SNA59 isolated from spoilt skin lotion. 326-347.	<i>International Journal of Current Microbiology and Applied Sciences</i>	International	2319-7706	Peer Reviewed	2	2.015
		Studies on optimization of biosurfactant production by	<i>International Journal of Current Biotechnology</i>	International	2321-8371	Peer Reviewed	2	IC Value:

	<i>Pseudomonas aeruginosa</i> F23 isolated from oil contaminated soil sample. 20-30						6.60
	Optimization of inulinase production by <i>Bacillus</i> sp. B51f isolated from rhizosphere soil of <i>Agave sisalana</i> .. 161-176	<i>International Journal of Pure and Applied Bioscience</i>	International	2320-7051	Peer Reviewed	1	4.374
	Antibacterial and synergistic activity of ethanolicajwain ( <i>Trachyspermumammi</i> ) extract on ESBL and MBL producing uropathogens. 278-284	<i>International journal of Pharmacy and pharmaceutical sciences</i>	International	0975-1491	Peer Reviewed	3	0.55 IC=5.0 SJR= 0.3
	Production And Partial Characterization Of Alkaline Protease From <i>Bacillus Tequilensis</i> Strains Csgab0139 Isolated From Spoilt Cottage Cheese. 201-221	Applied Biology and Pharmaceutical technology	International	0976-4550	Peer Reviewed	2	0.9967
	Palladium and platinum complexes of 2-amino- <i>n</i> '-[(1 $\epsilon$ ,2 $\zeta$ )-2-(hydroxyimino)-1-phenylethylidene]-4,5,6,7-tetrahydro-1-benzothiophene-3-carbohydrazide:synthesis, structure, spectral properties and antimicrobial activity.	World journal of pharmacy and pharmaceutical sciences	International	2278-4357	Peer Reviewed	3	5.210 ICV=6.21
	Phenotypic and Molecular characterization of MBL genes	British Microbiology Research Journal	International	2231-0886	Peer Reviewed	2	-

		among uropathogens isolated in Mumbai city. 368-383						
	Ms.R.Birmole	Biodegradation study of reactive blue 172 by <i>Shewanellahaliois</i> DW01 isolated from lake sediment. 139-152	<i>Indian Journal of Scientific Research</i>	National	0976-2876	Peer Reviewed	2	1.4053
	Mr. U. Patil	Room temperature ammonia sensor based on copper nanoparticle intercalated polyanilinenanocomposite thin films	Applied Surface Science 339 (2015) 69–74	International	ISSN: 0169-4332	Peer Reviewed	1	2.735
	Mr. U. Patil	Effect of Fe modification on H <sub>2</sub> S sensing properties of rheotaxially grown and thermally oxidized SnO <sub>2</sub> thin films	Materials Chemistry and Physics 156 (2015) 227-237	International	ISSN: 0254-0584	Peer Reviewed	1	2.26
	<b>Dr.D. Lad</b>	Pollution status study based on zooplankton diversity of the estuarine area of Bhayander and Naigaon, Thane, Maharashtra, India. 41 – 42	International Journal of Scientific Research	International	2277 – 8179	Peer Reviewed	01	3.1
		Sedimentological study of soil along the estuarine area of BhayanderandNaigaon, Thane, Maharashtra 150 – 152	International Research Journal of Science and Engineering	International	2322 – 0015	Peer Reviewed	01	0.33
		Price increment analysis of Indian fresh water fishes in some	Biolife	International	2320 – 4257	Peer Reviewed	00	1.1

	years using Laspeyres price index. 1117 – 1119.							
	Price increment analysis of Indian fresh water fishes in some years using Paasche price index. 543 – 544.	International Journal of Scientific Research	International	2277 – 8179	Peer Reviewed	00	3.1	

Research papers published in **National Journals** in the year 2014 – 2015: **07**

Sr. No	Name of teacher (Main Author)	Title with page nos.	Journal	International / National/ Others	ISSN/ISSBN No.	Peer Reviewed/Non-Peer Reviewed/ e-journal/ Conference Proceedings	Names of Co-authors	Impact Factor with AGENCY
	Ms.M.Phillip	<i>Real Vs Hyperreal: Questioning the Construction of Truth in Marathi Cinema and Mainstream Bollywood Cinema.</i>		National	ISBN: 978-81-927710-0-7	<b>Conference Proceedings</b>	None	
		<i>Peddling Fantasies: The Role of Bollywood Cinema in Coping with Reality with Reference to Madhur Bhandarkar's Fashion,</i>		National	ISBN: 978-93-38383-70-8	<b>Conference Proceedings</b>		
	Dr.U.. Ranawat	MarangGaudaNilkanthHuaBanamvikaskiBalivedikiviyatha Katha, Page no. 58-63	Rashtravani Patrika, May-June, 2014 (vol-2)	National	ISSN No. 2319-6785	NA	NA	NA
	Ms.J.Kurian	Algebra of Omar Khayyam(1048-1131) Pg: 9- 13	Entire Research	National	ISSN 0975-	Peer Reviewed	Nil	---



					5020			
	Dr.S. Mane	Need for Sustainable Exploitation of Windowpane Oyster Placuna placenta (Linnaeus) at Murud, Maharashtra.	National Conference on: - Emerging trends in Sustainable Development	National		Conference proceedings	01	-----
	Ms.A.Chaturvedi	'Changing News in a Flash' UGC Sponsored National Conference on Media and Globalisation published by KC College	Conference Proceedings of the of the Media Summit:	National		Conference Proceedings	-	-
	Ms.T.Aranha	'Investigating Youth Films in Hindi Cinema in the Millennium Decade' UGC Sponsored National Conference on Media and Globalisation published by KC College	Conference Proceedings of the of the Media Summit:	National		Conference Proceedings	-	-

Research papers published in **International Journals** in the year 2013 – 2014: **50**

Sr. No	Name of teacher (Main Author)	Title with page nos.	Journal	Inter-national / National/ Others	ISSN/ ISSBN No.	Peer Reviewed/Non-Peer Reviewed/ e-journal/ Conference Proceedings	Names of Co-authors	Impact Factor with AGENCY
1.	Ms. Michelle Philip	Heroes for Us All: Fiction, Film and Fantasy.	International Journal of Multidisciplinary Research	International	2277-9302	Peer Reviewed		
2.		<i>Re-Possessing the Female Gaze:</i>	International	International				

		<i>The Woman as Active Spectator of Mainstream Bollywood Cinema.</i>	Research Journal of Humanities and Environmental Issues					
3.	Prof. S. Bhalerao	Incidences of ArbuscularMycorrhizal Fungi (AMF) in Urban Farming of Mumbai and Suburbs, India 1 – 7	Int. Research Journal of Environmental Sciences	International	2319-1414	Peer Reviewed		-
4.		Isolation, Characterization and Identification of Diesel Engine Oil Degrading Bacteria from Garage Soil and Comparison of their Bioremediation Potential 48-52	Int. Res. J. Environment Sci.	International	2319-1414	Peer Reviewed	03	-
5.		Export of Horticultural Products –The Path Ahead 1-6	International Journal of Life Sciences	International	2320-7817	Peer Reviewed	02	-
6.		Mulchibg: A soil and Water Conservation Practice vol.1(3): 26-29	Research journal of Agriculture and Forestry Sciences	International	2320-6063	Peer Reviewed	01	-
7.		Artificial Recharge of Groundwater: A Novel Technique For Replenishment of An Aquifer With Water from the Land Surface 165-183	International Journal of Geology, Earth and Environmental Sciences	International	2277-2081	Peer Reviewed	01	-
8.		ArbuscularMycorrhizal Fungi: A Potential Biotechnological Tool for Phytoremediation of Heavy Metal Contaminated Soils 1 – 15	International Journal of Science and Nature	International	2229 – 6441	Peer Reviewed	-	-

9.	Aluminium Toxicity in Plants - A Review 447-474	Journal of Applicable Chemistry	International	2278-1862	Peer Reviewed	01	-
10.	Seasonal Variations of Physico-Chemical Profile of Industrial Waste Water from Thane-Belapur MIDC Area, Maharashtra State, India (IJBCEE) 20 – 26	International Journal of Biotechnology, Chemical and Environmental Engineering	International	Yes	Peer Reviewed	02	-
11.	Batch Adsorption Studies on Removal of Fe (Ii) Ions From Aqueous Solutions by Corn Cobs ( <i>Zea Mays</i> Linn.) Vol. 2 (1): 136 – 148	International Journal of Chemistry	International	1916-9698	Peer Reviewed	02	-
12.	Bioelectricity production from microbial fuel using <i>Escherichia coli</i> (Glucose and brewery waste50-54.	<i>Int. Res. J. Biological Sci</i>	International	2278-3202	Peer Reviewed	03	-
13.	Chemoinformatics: The Application of Informatics Methods to Solve Chemical Problems Vol. 4(3),475-499	Research Journal of Pharmaceutical, biological and chemical sciences	International	0975-8585	Peer Reviewed	04	-
14.	Arsenic Toxicity in Plants: A Significant Environmental Problem 1177 – 1191	Journal of Applicable Chemistry	International	2278-1862	Peer Reviewed	02	-
15.	Bioactive constituents, ethnobotany and pharmacological prospectives of <i>Cassia tora</i> Linn 1421-1427.	International Journal of Bioassays	International	2278-778X	Peer Reviewed	-	-

16.	<i>Eclipta alba</i> (L.): An Overview02(11),1443-1447.	International Journal of Bioassays	International	2278-778X	Peer Reviewed	-	-
17.	Phytochemistry, Pharmacological Profile & Therapeutic Uses of <i>Piper betle</i> Linn. – An Overview	Research and Reviews: Journal of Pharmacognosy and Phytochemistry	International	<b>2321-6182</b>	Peer Reviewed	-	-
18.	Response of Plants towards Heavy Metal Toxicity: An overview of Avoidance, Tolerance and Uptake Mechanism362-368	Annals of Plant Sciences	International	2287-688X	Peer Reviewed	01	-
19.	Phytotechnology: A Cost Effective Green Approach for Management of Environment 163 - 169	Journal of Flora and Fauna	International	0971-6920	Peer Reviewed	-	-
20.	Seasonal variation of AM fungi colonization in <i>Tridaxprocumbence</i> Linn. from Nahur – Mumbai, station and adjoining area170 - 1172	Journal of Flora and Fauna	International	0971-6920	Peer Reviewed	-	-
21.	Precision Farming: The most scientific and modern approach to sustainable agriculture21-30	Int. Res.J. of Science and Engineering	International	2229-5518	Peer Reviewed	01	-
22.	Sensor technology for environmental monitoring: an overview 108-114	International Journal of Life Sciences	International	2320-7817	Peer Reviewed	03	-
23.	Health effects of particulate matter: a reviewInternational Journal of Life Sciences 144-	International Journal of Life Sciences	International	2320-7817	Peer Reviewed	03	-

		150						
24.		Influence of atmospheric aerosols on health and environment-climate change International Journal of Life Sciences 115-120	International Journal of Life Sciences	International	2320-7817	Peer Reviewed	04	-
25.		Aerobiological Study of Maharshi Dayanand College Library 73-75	The Biosphere	International	0975-3877	Peer Reviewed	01	-
26.		Assessment of Biodeteriogens of Intramural Environment of Kanheri Caves 1 – 4	International Journal of Life Sciences	International	2320-7817	Peer Reviewed	02	-
27.		Removal of Fe (II) ions from aqueous solutions using moss ( <i>Semibarbulaorientalis</i> (web.) Wijk. And Marg.) in a batch system 26 - 35	International Journal of Biotechnology, Chemical and Environmental Engineering	International	2278-0696	Peer Reviewed	02	-
28.		Phytosociology of <i>parthenium hysterophorus</i> and its possible management through some potential bio-agents 49 - 52	International Journal of Life Sciences	International	2320-7817	Peer Reviewed	02	-
29.		Phytotoxicity of Cadmium: Recent Advances and Future Prospects 725 – 738	Journal of Applicable Chemistry	International	2278-1862	Peer Reviewed	01	-
30.	Dr. A. Chris	Physiological response of cyanobacterium <i>Nostocmuscorum</i> to chromium toxicity 907-910.	Plant Archives	International	0972-5210	Peer Reviewed	01	-
31.		Changes in growth and antioxidants in	Biochemical and Cellular Archives	International	0972-5075	Peer Reviewed	-	-

		cyanobacterium <i>Nostoc muscorum</i> exposed to cadmium and ultraviolet-B radiation 95-100.						
32.	Dr. J. Knox	Effect of Allelopathic plants on Congress grass ( <i>Parthenium hysterophorus</i> L.) in a tropical region, pp 113-114	Research in Environment and Life Sciences 6(4)	International	0974-4908	Peer reviewed	-	-
33.		<i>Parthenium hysterophorus</i> and its Management through Botanicals, pp 207-209	Journal of Crop and Weed 9(2)	International	0974 -6315	Peer reviewed	01	-
34.		Influence of atmospheric aerosols on health and Environment-climate change, pp 15-120	International Journal of Life Sciences, Spl. Iss. A(1)	International	2320-7817	Peer reviewed	04	-
35.	Dr. D.Prabhu	A Kinetic insight into the Oxidation of Perfumery Alcohols by Inorganic Oxidising Agents. Vol 17(10), Oct 2013, P69-76.	Research Journal of Chemistry and Environment	International	2248-9649	Peer reviewed	M A Tandel, H A Parbat	0.68
36.		Kinetics of biodegradation of carbonaceous organic matter through wet oxidation for environmental effluents released into marine waters, 2014, vol 19 (2) page 50-55	Research Journal of Biotechnology	International	ISSN-0973-6263	Peer reviewed	S. Dhage, P. Kelkar	
37.	Dr. S. Bootwala	Synthesis, spectroscopic and biological characterization of some transition metal complexes with Ethyl 2-((2E, 3Z)-4-hydroxypent-3-en-2-ylidene)-amino}-4,5,6,7-tetrahydro-1-	International Journal of pharmacy and biological sciences	International	ISSN: 2230-7605	Peer reviewed	3	0.67

		benzothioephene-3-carboxylate, Vol 3 (3), 2013, 345-354						
38.	Dr.J.Masih	Source Characterization of Trace Elements in Indoor Environment at Urban, Rural and Roadside Sites in a Semi Arid Region of India	Aerosol and Air Quality Research	International	1680-8584	Peer reviewed	2	4.099
39.	Prof. K.Aruna	Microbiological Analysis, Biochemical Composition and Antibacterial Activity of Crude Honey against Multiple Drug Resistant uropathogens 434-445	Research Journal of Pharmaceutical, Biological and Chemical Sciences	International	ISSN: 0975-8585	REFEREED and INDEXED  Impact factor 0.35	1	0.35  SJR= 0.16
40.		Synthesis, Characterization, Thermal and Kinetic Studies Of Lanthanum (Iii), Thorium (Iv) And Dioxouranium (Vi) Chelates With Multidentate Ligand and Its Invitro Antibacterial Analysis 1000-1009	International Journal Of Pharmaceutical Sciences And Research	International	ISSN (Online): 0975-8232	REFEREED and INDEXED -	4	0.533  ICV= 5.50
41.		Optimal Production Of Exopolysaccharide by Paenibacillushunanensis strain Y-22 Isolated From Soil189-199	Asian Journal of Microbiology, Biotechnology and environmental science	International	ISSN-0972-3005	REFEREED and INDEXED	1	NAAS Rating - 3.07
42.		Optimization studies on production and activity of lipase	International Journal of Current	International	ISSN-2319-7706	REFEREED and INDEXED	1	2.015

		obtained from <i>Staphylococcus pasteurii</i> SNA59 isolated from spoilt skin lotion. 326-347	Microbiology and Applied Sciences					
43.		Studies on optimization of biosurfactant production by <i>Pseudomonas aeruginosa</i> F23 isolated from oil contaminated soil sample 20-30	International Journal of Current Biotechnology	International	ISSN 2321-8371	REFEREED and INDEXED	2	IC Value: 6.60
44.		Optimization of Inulinase production by <i>Bacillus</i> sp. B51f isolated from rhizosphere soil of agave sisalana 161-176	International journal of Pure and applied Biosciences.	International	ISSN: 2320-7051	REFEREED and INDEXED	1	
45.	Dr.D. Lad	Price increment analysis of exported Indian mariculture products in some years using laspeyres price index. 7 - 10	International Journal of Pure and Applied Biosciences	International	2320 – 7051	Peer Reviewed	1	1.106
46.		Analysis of retail price inflation rate of some commercially important Indian fishes over the years using Paasche price index. 194 -197	Bioscience Discovery	International	ISSN: 2231-024X (Online), ISSN: 2229-3469 (Print).	Peer Reviewed	1	0.17
47.		Assessment of fish diversity in the estuarine area of Bhayander and Naigaon, Thane (M.S.) India. 229-232	Science Research Reporter	International	ISSN: 2249-7846 (Online), ISSN: 2249-2321 (Print).	Peer Reviewed	1	2.836



48.		Ecotourism development in the Konkan region of Maharashtra: A review. 251-252	Scholars Academic Journal of Biosciences	International	ISSN 2321-6883	Peer Reviewed	Nil	4.21
49.	Ms. P.Shetti	Assessment of air microflora in selected gardens in Dahisar 27 – 29	International Journal of Life Sciences	International	ISSN: 2320 – 7817	Peer Reviewed	1	0
50.	Ms.N. Koshy	Prevalence of allergic rhinitis and co-morbidities in students of colleges in Mumbai, Maharashtra 132 – 138	International Journal of Life Sciences	International	ISSN: 2320 – 7817	Peer Reviewed	1	0

Research papers published in **National Journals** in the year 2013 – 2014: **02**

Sr. No	Name of teacher (Main Author)	Title with page nos.	Journal	Inter-national / National/ Others	ISSN/ ISSBN No.	Peer Reviewed/Non-Peer Reviewed/ e-journal/ Conference Proceedings	Names of Co-authors	Impact Factor with AGENCY
1.	Dr. A. Masarguppi.	Inter-state Disparities in Economic Growth in India: Some Policy Implications for Laggard States	Working Paper UDE 45/11/2013	National	ISSN 2230-8334	Peer Reviewed	Dr. ManishaKarne	
2.	Mrs. R.D.Birmole	Biodegradation study of reactive blue 172 by <i>shewanellahaliotis</i> DW01 isolated from lake sediment.139-152	Indian Journal of Scientific research.	National	ISSN: 2250-0138	REFEREED and INDEXED	3	1.405

Research papers published in **International Journals** in the year 2012 – 2013: **28**

Sr. No	Name of teacher (Main Author)	Title with page nos.	Journal	Inter-national / National/ Others	ISSN/ ISSBN No.	Peer Reviewed/Non-Peer Reviewed/ e-journal/ Conference Proceedings	Names of Co-authors	Impact Factor with AGENCY
1.	Prof. S. Bhalerao	Study of Aeromycoflora over the Mangrove Vegetation in Thane 22-24	Proceedings of National Seminar on Biodiversity and Conservation of Coastal and Marine Ecosystems of India,	International	-	Peer Reviewed		-
2.		Traditional Medicinal Uses, Phytochemical Profile and Pharmacological Activities of <i>Cassia fistula</i> Linn	International Research Journal of Biological Sciences	International	2278-3202	Peer Reviewed	01	-
3.		Organic Agriculture – A Tool to Combat Climate Change 70 – 72	Journal of Biological and Physical Sciences (Special Issue)	International	-	Peer Reviewed	01	-
4.		Biosorption of Copper (II) from Aqueous Solutions by Corn Cobs Journal of Biological and Physical Sciences (Special Issue) 111 – 115	Journal of Biological and Physical Sciences (Special Issue)	International	2249-1929	Peer Reviewed	01	-
5.		Assessment of Physico – chemical Characteristics of Industrial Waste Water from Thane Belapur MIDC Area, Maharashtra, India (Special Issue) 43 – 46	Bionano Frontier	International	2320-9593	Peer Reviewed	02	-

6.	Uptake of Heavy Metals by <i>Vetiveriazizaniodes</i> L. Nash from ETP sludge 308 – 311	Bionano Frontier	International	2320-9593	Peer Reviewed	01	-
7.	Physico-chemical Characteristics of Ground Water in Kalyan, Maharashtra, India 2012	Journal of Environmental Research and Development	International	2319-5983	Peer Reviewed	01	-
8.	Plant Diversity of Municipal Solid Waste Dumpsites-Deonar and Mulund, Mumbai 294-301	International Journal of Environmental Sciences	International	0976-7006	Peer Reviewed	03	-
9.	Characterization of Abandon Municipal Solid Waste Dumpsites for evaluating Phytoremediation Potential– A Case Study of Mumbai 486-49	International Journal of Chemistry	International	1916-9698	Peer Reviewed	04	-
10.	Beneficiary Effect of Arbuscular Mycorrhiza to <i>Trigonella foenum-graceum</i> in Contaminated Soil by Heavy Metal 1-6	Research Journal of Recent Sciences	International	2277-2502	Peer Reviewed	01	-
11.	Biosorption of Copper (II) Ions from Aqueous solutions by Moss ( <i>Semibarbula orientalis</i> ) (Web.) wijk&marg 402-414	International Journal of Environmental Sciences	- 44 International 02 0976 - 440	00976-44027006976	Peer Reviewed	04	-
12.	Generation of Bioelectricity from <i>Escherichia coli</i> using a microbial fuel cell 161-164	International Journal of Biotechnology and Biosciences	- 44 International 02 0976 - 440	2231-0304	Peer Reviewed	04	-
13.	Aerobiological Assessment of the	The Ecotech	International	0974-9063	Peer Reviewed	01	-

		extramural environment of MaharashiDayanand College Library161-164.						
14.	Dr. A. Chris	Response of the antioxidant systems of the nitrogen fixing cyanobacterium <i>Cylindrospermum</i> sp. to lead stress 63-68.	The Asian Journal of Experimental Chemistry.	International	0973-4783	Peer Reviewed	01	-
15.		Growth behavior of <i>Azolla filiculoides</i> to endosulfan stress 93-96.	Biochemical and Cellular Archives	International	-	Peer Reviewed	-	-
16.		Biological response of paddy field biofertilizer <i>Azolla microphylla</i> exposed to NaCl stress 13-21.	International Journal of Biotechnology and Biosciences	International	-	Peer Reviewed	-	-
17.		Influence of sodium chloride on growth and nitrogen metabolism of cyanobacterium <i>Cylindrospermum</i> sp. (In press).	International Journal of Environmental Sciences	International	-	Peer Reviewed	-	-
18.		Effect of Nickel stress on growth and antioxidants in cyanobacterium <i>Cylindrospermum</i> sp. 13-17	<i>Asian Journal of Bio Science</i>	International	0973-4899	Peer-reviewed		
19.	Dr. J. Knox	<i>Parthenium hysterophorus</i> : a serious threat to plant biodiversity, pp 132-138	Biological Forum, Spl. Iss. 4(1)	International	2249-3239	Peer reviewed & Indexed	02	-
20.	Dr. D. Prabhu	Catalytic impact of transition metal ions on the oxidation of fragrance and cosmetic alcohols. Asian J Chem, Vol24(12)2012, p5687-5690	Asian Journal of Chemistry	International	(Print)ISSN: 0975-427X (Online) ISSN: 0970-7077	Peer reviewed	2	0.38
21.	Dr. J. Masih	Gaseous/Particulate bound Polycyclic	Sustainable Cities and	International		Peer reviewed	2	1.3

		Aromatic Hydrocarbons (PAHs), Seasonal variation in North central part of rural India	Society					
22.	Prof. K.Aruna	“Prevalance of extended spectrum beta-lactamase production among uropathogens in South Mumbai and its antibiogram pattern. 363-372	EXCLI Journal 2012	International	ISSN 1611- 2156	Peer Reviewed	1	1.923
23.		Optimization of Polyhydroxalkanoate Accumulation by Klebsiella sp. NCCP-138 isolated from contaminated soil 559-570	International Journal of Pharma and Bio Sciences 2012 Oct; 3(4)	International	ISSN 0975- 6299		4	SJIF: 5.12
24.		Synthesis and spectroscopy studies of some trivalent metal ions complexes with a new macrocyclic tridentate ligand ethyl 2-[[{(1e, 2e) - 2- (hydroxyimino) -1- phenyl ethylidene] amino} - 4,5,6,7tetrahydro-1-benzothiophene- 3-carboxylate and their antimicrobial activity against drug resistant uropathogens 1063-1074	International Journal of Pharma and Bio Sciences 2012 Oct; 3(4)	International	ISSN 0975- 6299	Peer Reviewed	1	SJIF: 5.12
25.		“Optimization of exopolysaccharide production by Klebsiella pneumonia Strain 27F isolated from milk sample” 1289-1295	Journal of Pure and Applied Microbiology Vol.06, No. 03, September 2012	<b>International</b>	ISSN 0973- 7510	REFEREED and INDEXED	1	0.073  NAAS RATIN  G 6.04

26.		<b>Study on optimization of prodigiosin production by Serratiamarcescens MSK1 isolated from air</b> 671-680	<b>International Journal of Advance Biological Research. Vol.2(4): 2012</b>	<b>International</b>	ISSN 2322-4827	REFEREED and INDEXED	2	0.765
27.	Dr..D. Lad	Analysis of exported Indian mariculture products price inflation rate for some years using Paasche price index. 43 - 46	Bioscience Discovery	International	ISSN: 2231-024X (Online), ISSN: 2229-3469 (Print)	Peer Reviewed	01	0.34  ISI Thomas Reuters
28.		Diversity of Decapod fauna along the estuarine area of Bhayander and Naigaon, Thane, Maharashtra, India 388 - 391	International Journal of Environmental Sciences	International		Peer Reviewed	01	0.32  ISI Thomas Reuters

Research papers published in **National Journals** in the year 2012 – 2013: **05**

Sr. No	Name of teacher (Main Author)	Title with page nos.	Journal	Inter-national / National/ Others	ISSN/ ISSBN No.	Peer Reviewed/Non-Peer Reviewed/ e-journal/ Conference Proceedings	Names of Co-authors	Impact Factor with AGENCY
1.	Ms.A.Masarguppi	Inclusive Growth in India: Inclusion in Education; 61-71	Arthiki: Aarthik Shod Patrika	National	ISSN 0973-3434	Yes	NA	NIL
2.	Prof.K.Aruna	“Study of Exopolysaccharide Producer Raoutella Ornithinolytica isolated from Psyllium husk powder” 5-10	VijnanaPrabha, Vol. 2, Issue 1, 2012		ISSN-2231-3214		2	
3.		“Studies of Biosurfactant production by Pseudomonas aeruginosa R2 isolated from oil contaminated soil	Asian Journal of Bio Science Vol 7, No.2, Oct 2012	national	ISSN-0973-4899	Peer Reviewed	2	NAAS-3.21

		sample” 123-129						
4.		“Study of Antibacterial Activity of Root Extract From Mangrove Plants” 86-89	Asian Science Vol.7, No.1, June 2012	national	ISSN- 0973- 4740	Peer Reviewed	1	
5.		“Study on Optimization of Methyl Parathion degradation by Bacillus thuringensis INRS7 isolated from soil”. 519-523	Pollution Research. 31(4): (2012)	National	ISSN: 0257- 8050	Peer Reviewed	1	NAAS Rating - 4.75

Research papers published in **International Journals** in the year 2011 – 2012: **26**

Sr. No	Name of teacher (Main Author)	Title with page nos.	Journal	Inter-national / National/ Others	ISSN/ ISSN No.	Peer Reviewed/Non-Peer Reviewed/ e-journal/ Conference Proceedings	Names of Co-authors	Impact Factor with AGENCY
1.	Prof. S. Bhalerao	Biosorption: An eco-friendly, cost effective technology for removal of heavy metals – An overview 219-225.	Bionano frontier Special Issue	International	0972-5075	Peer-reviewed		-
2.		Allelopathic effects of Bioremediation: An Economic alternative for the Mining Industry: A review 67-72	International Journal of Biotechnology and Biosciences	International	2231-0304	Peer-reviewed	-	-
3.		Ethnobotanical, Phytochemical and Pharmacological Profile of <i>Boerhaaviadiffusa</i> Linn5727 - 5730.	Asian Journal of Chemistry	International	0970-7077	Peer-reviewed	-	-
4.		Phytochemical And Pharmacological Potential Of <i>TridaxProcumbens</i> Linn 392 – 395.	International Journal of Biological Research	International	2307-9029	Peer-reviewed	01	-

5.	Dr. A. Chris	Antioxidative response of cyanobacterium <i>Cylindrospermum</i> sp. to NaCl Stress 63-68.	<i>Biochemical and Cellular Archives</i> 12	International	0972-5075	Peer-reviewed	01	-
6.		Induction of oxidative stress and antioxidant responses in <i>Azollamicrophylla</i> by cadmium stress. 7 (2) 366-370	<i>International Journal of Plant Sciences</i>	International	0973-1547	Peer-reviewed	-	-
7.		Effect of solar ultraviolet-B radiation on growth and enzymes of nitrogen assimilation in cyanobacterium <i>Cylindrospermum</i> sp. 200-203	<i>Asian Journal of Environmental Science</i>	International	0973-4759	Peer-reviewed	-	-
8.		Bio efficacy of entomopathogenic fungus <i>Beauveria bassiana</i> and certain indigenous products against <i>Plutella xylostella</i> (Linn) infesting cabbage. 7(2):341-345	<i>The Bioscan</i>	International	0973-7049	Peer-reviewed	-	-
9.	Dr. J. Knox	Phytotoxicity of Parthenin a naturally occurring sesquiterpene lactone against <i>Fusarium oxysporum</i> , <i>Alternaria solani</i> and <i>Curvularia lunata</i> , pp 34-37	Journal of the Holistic Environment 1(1)	International	2231-1637	Peer-reviewed	02	-
10.		Population Dynamics of <i>Parthenium hysterophorus</i> (Asteraceae) and its biological suppression through <i>Cassia occidentalis</i> (Caesalpiniaceae), pp 111-119	Turkish Journal of Botany 35(2)	International	1300-008X	Peer reviewed	02	IF- 1.600 Thompson Reuter
11.	Dr. D. Prabhu	A Kinetic and thermodynamic investigations of the oxidation of	Asian Journal of Chemistry	International	(Print)ISSN: 0975-427X	Peer reviewed	3	0.38



		some perfumery alcohols- Asian J Chem, Vol.23 (11)2011 p5107-5110.			(Online) ISSN: 0970-7077			
12.		A kinetic approach to the oxidation of some perfumery alcohols by N-Bromosuccinimide in alkaline medium. Asian J Chem., Vol.23 (12), 2011,p 5495-5498.	Asian Journal of Chemistry	International	(Print)ISSN: 0975-427X (Online) ISSN: 0970-7077	Peer reviewed	2	0.38
13.		A Kinetic and thermodynamic studies of the oxidation of Eugenol and Isoeugenol by Sodium-N-chlorobenzene -p- sulphonamide in NaOH. Asian J Chem.,Vol.23(12),2011,p5503-5505	Asian Journal of Chemistry	International	(Print)ISSN: 0975-427X (Online) ISSN: 0970-7077	Peer reviewed	2	0.38
14.		Kinetic aspects of the oxidation of perfumery phenols by N-Bromosuccinimide in alkaline medium, potassium bromated and potassium iodate in acidic medium. Asian J Chem., Vol. 24 (12), 2012,p 5691-5494.	Asian Journal of Chemistry	International	(Print)ISSN: 0975-427X (Online) ISSN: 0970-7077	Peer reviewed	3	0.38
15.	Dr. S.D. Irani	Chemical Monitoring of Metal pollutants Along the Mumbai Coastline.	Asian Journal of Chemistry	International	ISSN (Print) 0970-7077	Peer reviewed	1	0.36
16.	Dr. S.Bootwala	“Synthesis and characterization of binuclear complexes of oxovanadium (IV), oxozirconium(IV), dioxouranium(VI) and thorium(IV) with N, N'-bis [(1E, 2E)-2-(Hydroxyimino)-1-phenyl ethylidene]	Asian Journal of Chemistry ,	international	ISSN: 0975-427X (Online) ISSN: 0970-7077 (Print):	Peer-reviewed	nil	0.38

		Biphenyl-4, 4'-diamine" Vol23, No 12(2011), 5466-5470.						
17.	Dr.J.Masih	Seasonal Variation and Sources of Polycyclic Aromatic Hydrocarbons (PAHs) in Indoor and Outdoor Air in a Semi Arid Tract of Northern India	Aerosol & Air Quality research	International	<b>1680-8584</b>	Peer reviewed	4	2.6
18.		Study of air-soil exchange of polycyclic aromatic hydrocarbons (PAHs) in the north-central part of India - A semi arid region	J. Environment Monitoring	International	1464-0325	Peer reviewed	5	2.5
19.		Seasonal trends of PM10, PM5.0, PM2.5 & PM1.0 in indoor and outdoor environments of residential homes located in North-Central India	Building & Environment	International	0360-1323	Peer reviewed	4	2.7
20.		A study of urban heat island and its association with particulate matter during winter months over Delhi	Science of the Total Environment	International	0048-9697	Peer reviewed	4	4.2
21.	Prof. K.Aruna	"Optimization of protease activity of thermophilic Bacillus subtilis WIFD5 isolated from a milk powder sample" 57-64	Biomedical and pharmacology Journal Vol 5(1) 2012	International	ISSN-0970-7077	Peer Reviewed	1	IC value-9.0
22.		"Methyl Parathion Degradation by ArthrobacterglobiformisAD26 isolated from soil" 345-350	Nature Environment and Pollution Technology Vol.11 No. 02, 2012	International	ISSN-0976 - 4402	Peer Reviewed	1	NAAS-4.54
23.		"Loss of the Pasteur Effect in	International	International	ISSN-2319-	Peer	1	

		Phosphofructokinase disruptants of Saccharomyces cerevisiae: Direct demonstration by Membrane Inlet Mass Spectrometry 213-220	journal of pharmaceutical research and bio-science		6645	Reviewed		
24.		“Synthesis, Spectroscopic and biological characterization of the Mn (II), Co (II), Ni (II), Cu (II), and Zn (II) complexes with a new macrocyclictridentate [ONO] ligand ” 2125-2131	Asian Journal of Chemistry, Vol 24 No.05 (2012)	International	ISSN-0972-1487	Peer Reviewed	1	0.55 IC=5.0 SJR= 0.3
25.	Ms.R.Birmole	“Biodegradation of Reactive Red 2 Dye by Shewanellaputrefaciens ZH29 isolated from textile wastewater.” 233-242	International Journal of Environmental Science. Vol.1, No.2. 2012.	International	ISSN-0974-6242	Peer Reviewed	3	IC value 4.69
26.	Ms.J.Mascarenhas	‘Analysis and characterization of Bioemulsifier by surfactant degraders’	Journal of Pure and Applied Biology	International	ISSN 0973-7510	Peer reviewed	2	0.073 NAAS RATING 6.04

Research papers published in **National Journals** in the year 2011 – 2012: **07**

Sr. No.	Name of teacher (Main Author)	Title with page nos.	Journal	Inter-national / National/ Others	ISSN/ ISSBN No.	Peer Reviewed/Non-Peer Reviewed/ e-journal/ Conference Proceedings	Names of Co-authors	Impact Factor with AGENCY
1.	Ms. Anjali Massarguppi	Inter-state Disparities in Economic Development in India: A Faster Analysis Approach. pp 195-200	Conference on Emerging Market Economics	Natioinal		Conference Proceedings		

2.	Dr. S.Irani	Physico-Chemical monitoring of the coastal waters of Mumbai city.	Conference proceeding	National			1	
3.	Prof.K.Aruna	Microbiological analysis, antibacterial activity and chemical composition of honey samples obtained from Garhwal, Uttarakhand 69-73	Biochemical Cellular Archives Vol. 12, No. 1, 2012	National	ISSN 0972-5075	Peer Reviewed	1	
4.		“Optimization of Exopolysaccharide production by Bacillus amyloliquefaciens strain B 21 isolated from machine oil contaminated soil.” 7-13	Journal of Microbial World, Vol14 (1), 2012	Regional	ISSN-0972-6268		1	
5.	Ms.G.Gnanaseelan	“Study of plasmid borne multi drug resistance and heavy metal resistance among uropathogens”.	Journal of Microbial World Vol 13 (2)2011 214-224.	Regional	ISSN-0972-6268		2	
6.	Dr.S. Mane	Age and growth studies of banana prawn, <i>Penaeus merguensis</i> from Maharashtra waters, Vol:53 (2).184-188	Journal of Marine Biological Association India	National	0025-3126	Peer reviewed	1	4.84 NAAS
7.	Dr.S. Mane	Maharashtra’s three main fish landing centres. Vol. 31, No. 5, 34-35	Fishing Chimes	National	0971-4529	Peer reviewed	1	

**ANNEXTURE No. 16****Books /Chapters published**

<b>Sr. No</b>	<b>Departments</b>	<b>Title of Conference/ Workshop/ Seminar</b>	<b>International/ National/ State/ University/ College</b>	<b>Period/ Dates</b>
<b>2016-17</b>				
1	Philosophy	Revisiting Tagore's concept of Freedom	International	12 <sup>th</sup> January 2017
2	Bachelor of management studies	Post Demonetisation Era'-The new Normal for India with a Global perspective	International	21 <sup>st</sup> January 2017
3	Chemistry	A workshop on 'Gateway to success in CSIR-NET/SET/GATE in Chemical Sciences'	University	Sept.26-28, 2016
4	Microbiology	Molecular biology workshop	University level	13 <sup>th</sup> -14 <sup>th</sup> October, 2016
5		'Health care and career opportunities'	College Level	13 <sup>th</sup> January, 2017
<b>2015-16</b>				
1	Economics, Philosophy, Political Science	150 years of DAS KAPITAL: Re-Visiting Marx	International	August 13, 2015
2	IQAC	Greening and Sustainability: Revisioning the Enviroment	National	15 <sup>th</sup> & 16 <sup>th</sup> July
3	Festival of Peace (IQAC)	Building Bridges across Identity Politics	National	1 <sup>st</sup> & 2 <sup>nd</sup> September 2015
4	Microbiology	Inter-collegiate Research Meet	State	15 <sup>th</sup> January, 2016
5.	Physics	Two day seminar on 'Frontiers of Physics'	University	9-10 <sup>th</sup> Feb. 2016
<b>2014-15</b>				
1	Festival of Peace (IQAC)	The Great War and the Shaping of the Contemporary World	International	4 <sup>th</sup> & 5 <sup>th</sup> August 2014
2.	Microbiology	Lecture on 'Entrepreneurial mode of Science'	College	21 <sup>st</sup> June, 2014
3.		Colloquium on 'Sensitization on Environmental Issues '	University	26 <sup>th</sup> July, 2014

4.	Zoology	Advance Microscopy	University	22 <sup>nd</sup> November 2014
2013-14				
1	Hindi	Pravasi Aur Samkaleen Hindi katha Sahitya	International	6 <sup>th</sup> Jan. 2014
2		Aadivasi kendrit Hindi Sahitya	National	12 & 13 Sept. 2013
3.	Microbiology	‘Workshop on Molecular Biology Techniques’ for the M.Sc Part I students	University	9 <sup>th</sup> – 10 <sup>th</sup> Sept, 2013
4.	Physics	Empowering India through Atomic Energy	University	21 <sup>st</sup> - 23 <sup>rd</sup> Aug 2013
2012-13				
1.	Microbiology	Workshop on ‘Molecular Biology Techniques and other important techniques of Immunology’	University	4-6 October and 11-13 October, 2012
2.		National Symposium on ‘Exploring the Environment- A Microbiological Approach’	National	5 <sup>th</sup> January, 2013
2011-12				
1.	Microbiology	Workshop on ‘Molecular Biology Techniques’ for University teachers	University	24th-26th Aug 2011
2.		Workshop on ‘Practical Bioinformatics’ for University teachers	University	27 <sup>th</sup> August, 2011