

Self Study Report



Government of Maharashtra's
Elphinstone College
156, M.G. Road, Mumbai 400 032

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PREFACE

Elphinstone College is one of the premier institutions of higher education in India with a legacy of 160 years. The College was established in 1856. Even before the University of Mumbai, to which it was later affiliated. The list of eminent alumni nurtured and nourished by the College not only consists of those revered for their contributions in India's freedom struggle, but also those who have left their mark in the making of independent India in various fields such as judiciary, literature, media, sports, commerce, science and industry. It might be the only institution of higher learning in India which can boast of four Bharat Ratna awardees as its alumni. The College has 29 departments within Arts Science and Commerce streams, besides two self finance courses, which are B.Sc. in Information Technology and Bio-Technology. Rising student enrollment and high rank in the top institutions of higher education as revealed by the media survey indicate that the College retains its drive and ability to mould the youth of the country. Having been accredited with an 'A' grade by NAAC it is undoubtedly a matter of honor to present the Re-accreditation report.

Executive Summary

It is gratifying to submit this Re-Accreditation report which has given us an opportunity to review our progress since our first accreditation. Needless to say, it has been a daunting task to encapsulate all the milestones achieved in this limited space. Nevertheless, we present an audit of accomplishments in various criteria laid down by NAAC for assessment of Higher Education Institutions, as well as the challenges ahead by way of a SWOC analysis.

1. Curricular Aspects:

As an affiliated institution the College runs courses in Arts, Science and Commerce besides B.Sc. IT and B.Sc. Bio-tech as per the syllabi recommended by the University of Mumbai. Yet it must be noted that many of the teaching faculty are in a position to make suitable changes in the syllabi as members of Board of Studies. Others attend orientation courses whenever the syllabi are revised. This enables appropriate transaction of syllabi translating the aims of the revision into actual learning outcome.

The subject combinations available to students are redone after a periodic review to suit their preferences and employment potential.

Besides the faculty works on providing supplementary courses in the form of bridge courses to facilitate ease of learning, add-on courses to enhance employability of students and remedial courses to improve performance in examinations. Thus though syllabi of the degree courses are stipulated, additional courses are designed with interests and capabilities of the students in mind.

2. Teaching Learning and Evaluation

As a government institution the teaching faculty is selected after recommendations from the Maharashtra Public Service Commission after a rigorous interview and written test. This ensures recruitment of quality teachers. College is proud to have dedicated teachers with long years of experience as well as young and energetic achievers, of whom a good number have completed their doctoral research while many others are in the process.

Teachers use ICT and other student-friendly techniques to convert information into knowledge. Project presentations, wall papers prepared by students, workshops, industrial and field visits, talks by experts, activities conducted by several co-curricular bodies in the form of quiz, essay, poster competitions etc. stimulate the imagination of students and improve their appetite for learning. Several departments have initiated 'Study Circles' wherein hi-performing students interact with their peers to elevate the overall performance of the class.

College follows semester pattern of examination along with internal examination within a term to ensure continuity and effectiveness in the learning process. Answer books are masked to ensure objectivity in assessment. Facilities for verification of marks as well as re-evaluation of answer books are provided to aggrieved students. Remedial classes are conducted for students who wish to improve their performance in examinations.

3. Research Consultancy and Extension:

Most members of the faculty are constructively engaged in research activity, culminating into major or minor projects, or publications including articles in recognized journals, national dailies, books or chapters in edited books. College has Research Committee where information about various scholarships available at national and international levels is kept ready for aspiring teachers. The Committee has held workshops in collaboration with IQAC providing useful tips in academic writing, accessing grants for holding workshops and conferences etc. The committee scrutinizes the proposals of major/ minor projects and offers suggestions whenever needed. Several staff members have completed their doctoral research by accessing Faculty Improvement Program under the UGC. Staff members have acquired patents and have provided consultancy to institutions at State and international levels.

College has regularly held seminars conferences and workshops of State, National and International level thus creating an environment conducive to scientific temper and desire to explore. Personalities of great eminence in every field of human endeavor have visited the College through these events and special talks arranged by various departments. These

interactions reenergize the faculty and students. College has an active wing of NSS. The volunteers have contributed to the society by way of carrying out blood-donation campaigns, cleanliness drive, tree-plantation, besides undertaking rural development activities in annual camps. The Women Development Cell has undertaken innovative steps to sensitize the student community towards gender equality. College has undertaken extension activity under life-long learning with the University of Mumbai. Besides, individual departments have contributed to extension activities in their own ways.

4. Infrastructure and learning resources:

College has fully secured Wi-Fi facility for better connectivity. Every faculty member has access to computers. There are four computer laboratories for students. Library has UGC Network Resource Centre. HEPSN has state of the art technology to facilitate learning of visually challenged and dyslexic students. Library has an astounding collection of rare books besides reference books and text books appropriately upgraded each year. College has access to INFLIBNET to enable staff members to update knowledge in their respective fields. Library has photocopying facility. College has video conferencing facility. College has centralized research laboratory with sophisticated equipments.

5. Student Progression:

Interest of the students is the top priority of the College, which is clear from the extensive support system available to the students in the form of professional counselor on campus for the students, Earn an learn scheme, books made available to the needy students, mentoring done at department level, career counseling and job fairs arranged by the Placement Cell, HEPSN Cell with advanced technology to facilitate learning of the visually challenged and dyslexic students. Besides these efforts at the College level, departments contribute through add-on courses to motivate the students, bridge courses to facilitate learning and remedial courses to enhance their performance in the examinations.

College has an active alumni association called The Elphinstonian Society. The meetings are conducted each year to encourage the alumni to connect with the goings-on and contribute through their areas of core competence to the betterment of the institution. The members of the association have organized soft-skill training workshop for the staff of the College, have run Centre for Excellence to inspire and motivate the students, and some alumnus have contributed their personal libraries to the College. Others have contributed books authored by them to the library.

The College library has a rich collection of rare and contemporary books, and previous NAAC peer team has appreciated this. The library has a separate section of books useful in competitive examinations.

College hosts three intercollegiate fests. They provide an opportunity to develop organization skills. Students are also encouraged to participate in University and National level festivals so that they learn to excel in performing arts. It is not a coincidence that College continues to produce students who have reached commendable heights in print and visual media, performing arts of the country as well as in other fields of the society at large.

6. Governance

College is run by the Government of Maharashtra, one of the progressive States of the country. The top management is the department of higher education, government of Maharashtra. The department has developed 27 point program to streamline the functioning of government colleges. Saha Vichar Sabhas are arranged to follow-up on matters influencing quality of services offered by government colleges.

Recruitment of staff is done through recommendation of Maharashtra Public Service Commission. This ensures transparency and quality recruitment. The staff is trained at YASHADA after recruitment and/or promotion.

The College has an active IQAC which works as a catalyst in bringing about qualitative improvement. This includes workshops conducted in collaboration with Research Committee, Alumni Association, etc.

College has fitness center which is open to students, teaching and non-teaching staff. Besides, College has a music and film library committed to nurturing good taste among the staff and students. The music library contains videos and audios for stress management too.

Some members of non-teaching staff are regular users of the college library, which helps them to prepare for competitive examinations and better prospects in career.

7. Innovative Practices.

Among several innovative practices such as study circles, add-on courses designed by the faculty, etc., the College is proud to showcase two of its best innovative practices, which are: 1. Music Library cum Language Laboratory and 2. Professional Counselor for the students.

The former takes care of a mature leisure time, stress relief and support for language use with the technological aid, while professional counselor uses a person-to-person mode to enable a well adjusted student behavior. Both boost the morale and rekindle the interests of teachers and students, the two most important stake holders in the process of teaching and learning. The

College plans to involve the alumni in a significant way to suggest and implement more innovations in future, for after all, past students are the best judges of what would add further value to this great institution. The SWOC analysis presented below:

The Strengths:

❖ Luminous History of Excellence:

Elphinstone College is one of the premier institutions in the field of higher education in the country established before the University of Mumbai, to which it was later on affiliated. The list of alumni nurtured by the College testifies the commitment of the College towards excellence in the field of higher education. Over the past 160 years, Elphinstone College has established itself as an institution of learning to reckon with, both within and outside the country. To quote, Prof.Muller, “It was impossible to be great in India without being an Elphinstonian.”

❖ Present Ranking:

While the glorious history prepares a solid ground, it also creates pressure of living up to the standards. It is important to note here that Elphinstone College has been consistently ranked among the top ten Institutions of higher learning in Mumbai each year by India Today magazine.

❖ Supportive Alumni:

The Elphinstonian Society, the alumni association of the College plays a supportive role in a variety of ways. Some alumni have donated their personal libraries to the College. The College has set up an independent section of books authored by the illustrious past students, beginning with none other than Dadabhai Naoroji. Some have contributed generously for mega events such as the first International conference held in the College in 2007. Mr. Kunal Ganjawala, famous Hindi play back singer, and an alumna has donated collection of a live concert for the use of the College. Alumni also contribute in the mentoring process by providing money to the deserving and needy students. Together, the alumni have organized various programmes including guest lectures, workshops etc under the banner of Centre for Excellence.

❖ Location and Grade I Heritage Structure:

The college has an enviable location. It is in the midst of several internationally known institutions that engage in enriching the urban sensitivities of citizens. They include the Museum, Bombay Natural History Society, Max Muller Bhavan, Alliance de Francoise, National Gallery of Modern Art, Jehangir Art Gallery, David Sasoon Library, the RBI, the BSE and many others. The teachers and students have gained immeasurably in this neighborhood.

The building of the College with its gothic architecture has been classified as a Grade 1 Heritage structure. It has been restored by the Kala Ghoda Association and the college has regained its grandeur. The Elphinstone College was awarded Asia-Pacific Heritage Award for Culture Heritage Conservation, in 2004 by UNESCO for the one of the best Heritage buildings restored.

❖ **Students' Hostel:**

Elphinstone is one of the few Colleges in Mumbai with hostel facility for both boys and girls in the govt. hostel. Located within a walking range from the College and overlooking the marine Drive, the hostel is certainly among the unique strengths of the College. It has also been a facilitator that binds the alumni together with the fond memories of their student days!

❖ **Government Institution:**

As the government institution the College avails funds from DPC and State Plan, apart from UGC. The staff is recruited after a keen scrutiny by the Maharashtra Public Service Commission. Further, in recent times new recruits are trained at the prestigious YASHADA. (Yeshwantrao Chavan Academy of Development Administration) Pune.

❖ **Student Support:**

Following the dream of social inclusion, the College has developed various mechanisms to support students who may be physically or financially challenged. These include:

❖ **Higher Education For The Persons With Special Needs:**

The College has set up a 'HEPSN' (Higher Education for the persons with Special Needs) Centre' in July, 2002 as a part of UGC scheme to provide special assistance to disabled students to facilitate better accessibility in higher education. The cell has acquired sophisticated equipment to ensure that the learning process becomes more meaningful and enjoyable for the visually challenged and dyslexic students. The College has developed a team of dedicated volunteers who help such students by way of producing audio recordings, helping as writers, both within and outside our College. The work of this cell has been appreciated by the previous NAAC peer team.

❖ **Remedial Classes:**

In today's competitive world, performance in the examinations plays a very crucial role in students' progress later in life. Every department conducts remedial classes with a focus on achieving better results in the examinations.

It is noteworthy that depending on the needs of the students, the humanities departments permit students to learn as well as write their examinations in Marathi. This is done to ensure that

difficulty in English language does not hinder upward mobility of the students, without creating an independent section for such students, which can lead to a sense of segregation among the student community on the bases of language.

❖ **Earn-and Learn:**

The College runs “Earn and learn” scheme for students belonging to financially weaker sections. These students help out the college in various activities such as library record updating. The scheme helps the College to fill in the manpower gap, while providing a sense of self esteem to the students as well as enhancing their employability.

❖ **Professional Counselling:**

The college has a counseling cell managed by a professional counselor. Besides providing services on an individual basis, the Counselor has conducted a number of workshops for staff and students pointing out the misconceptions about counseling in general. The cell opens helpline for depression prone students around the examination time to prevent incidence of suicides. Besides, mentoring is carried out informally at department level.

❖ **Film and Music Library:**

Music library is an interesting and an innovative step taken by Elphinstone College. The library contains rich and varied collection of CDs and DVDs covering classics, contemporary artists in western and Indian music. It also serves as a meditative place with a special section on meditation music that helps for relaxation.

Elphinstone Film Society has a huge collection of films from world cinema, directors’ collections, auteur, war films, classics, moderns, westerns, comedies, literary adaptations, regional cinema and documentaries to name a few.

❖ **Advance Research Laboratory**

College has an advanced research laboratory with sophisticated instruments like Flash Chromatography, HPLC, HPTLC, PCR Etc.

❖ **National Symposia and Workshops:**

The College has consistently hosted National Symposia on ‘Modern research trends and applications in life sciences’ in the past few years.

A wide galaxy of scientists from different fields of life sciences deliberated on topics of highly contemporary interest such a stem cell research, molecular diagnostics, anti-cancer drug delivery, DNA sequencing and also waste water treatment for renewable energy. Such efforts certainly go a long way in stimulating an ethos of scientific temperament among students and staff.

❖ . **Fitness Centre:**

Considering the trend of obesity among the young, and sedentary life style causing inadequate exercise among the grown-ups, the College has introduced Fitness Centre for students and staff, including the non-teaching staff.

Weaknesses:

Every area of strength leaves a shadow of weakness. Most of the limitations faced by the College thus arise from the strength, itself. They are:

❖ **Space crunch:**

Being located in the heart of the business district of Mumbai, space crunch is a major problem of the College. Many departments of the College have had to be accommodated in the neighboring buildings of N.C.C. and The Institute of Science.

❖ **Constraints in Renovation:**

As in the case of any class I Heritage structure, the maintenance of the building is an onerous task. It is usually a long drawn process and has to be done with utmost care and sensitivity. The exterior of the building has been recently restored, but the civil and electric work has been under process, which is also rather laborious given the high ceilings. Besides, major renovation of any kind is nearly impossible.

❖ **Transferable Jobs:**

Elphinstone College can boast of galaxy of stalwarts in the teaching staff. However since the staff is transferrable, it is not possible to ensure that they are retained here throughout their tenure. Also, recruitment through proper procedure takes its own time, leaving a number of vacancies unfilled. However, with its reputation the College is able to attract highly qualified and dedicated persons for teaching even on a clock-hour basis.

❖ **Noise Pollution:**

Located in the heart of the business district in the financial capital of the country, the College stands in the midst of roads with an incessant traffic causing a high level of noise pollution.

Opportunity:

❖ **Networking with the Institutions in the Neighbourhood:**

College has gained significantly from the institutions in the neighbourhood. Various co-curricular activities within the College are planned regularly in collaboration with these institutions.

❖ **Member of Cluster University Under RUSA:**

It is proposed that four renowned institutions from South Mumbai including Elphinstone College, run by government of Maharashtra, would come together to form a cluster university under RUSA (Rashtriya Uchhatar Shiksha Abhiyaan). This a golden opportunity for the College to take a leap forward in the field of education through academic autonomy. It will enable the College to design and run courses that will be of much value to the students and the society at large. College is likely to step onto the next milestone towards positive transformation under RUSA.

Challenges:

❖ **High Institutional Density:**

The College is located in close vicinity of several Higher Education Institutions. This creates keen competition in attracting students. However, it also reiterates the strength of the College to note that so many students from other colleges wish to enroll here at the degree level.

❖ **Deceleration in The Interest for Pure Academic Pursuit in the Wider Society:**

Today there is a clamor for job-orientation. While it is essential to earn a living, overemphasis on mere employability has been stifling the passion for pure academics. Over the years this has affected the number of admissions in pure sciences in general.

Part – A

(Profile of the College)

Profile of the College

1. Name and Address of the College:

Name:	Elphinstone College	
Address:	156, M.G. Road, Mumbai	
City:	Pin: 400 032	State: Maharashtra
Website:	www.elphinstone.ac.in	

2. For Communication:

Designation	Name	Telephone With STD code	Mobile	Fax	Email
Principal	Dr. Madhuri Kagalkar	022-22844060	9920720545	022-22843797	elphinstone1856@gmail.com
Vice Principal	NA				
Steering Committee Co-ordinator	Dr. Suchita Krishnaprasad		9820404664		drsuck@gmail.com

3. Status of the Institution:

Affiliated College

Yes, University of Mumbai

4. Type of Institution:

a. By Gender

Co-ed

b. By Shift

Regular

5. It is cognized minority institution?

No

6. Sources of funding:

Government College

Grant-in-aid

√

Self-financing

√

Any other

7. a. Date of establishment of the college:

1st April, 1856

b. University to which the college is affiliated **University of Mumbai**

c. Details of UGC recognition:

Under Section	Date, Month & Year	Remarks (If any)
i. 2(f)	Since inception	On the UGC website
ii. 12(B)	Since inception	On the UGC website

d. Details of recognition by statutory bodies other than UGC **N.A.**

8. Does the affiliating university Act provide for conferment of autonomy

(as recognized by the UGC), on its affiliated colleges? **Yes**

If yes, has the College applied for availing the autonomous status? **No**

9. Is the college recognized?

a. By UGC as a College with Potential for Excellence (CPE)? **No**

b. For its performance by any other governmental agency? **No**

10. Location of the campus and area in sq.mts:

Location	Urban
Campus area in sq.mts.	5,500 sq.mts.
Built up area in sq.mts.	6663.5 sq.mts.

11. Facilities available on the campus

• Auditorium/seminar complex with infrastructural facilities: **YES**

• Sports facilities:

* **Playground** A strip in the Oval Maidan has been allotted
by the Government of Maharashtra

* **Swimming pool** Nil

* **Gymnasium** Available

• Hostel

* **Boys Hostel**

i. Number of hostels 02

ii. Number of inmates 50+10

iii. Facilities :

Gymnasium, Canteen/Mess, library, computer lab with 10 PC, Doctor, TV room, reading room, Activity Hall, Guest room

* **Girls Hostel**

i. Number of hostels 01

ii. Number of inmates 60

iii. Facilities : Gymnasium, Canteen/Mess, Doctor, TV room, reading room, Activity Hall, Guest room

▪ **Residential facilities for teaching and non-teaching staff**

Residential facilities are available for teaching and non-teaching staff in the Government quarters as per the availability. The details of residential facility availed by our staff is enlisted below

Sr.No.	Cadre	No. of staff on roll	No. of staff using residential facility
1	Principal	01	01
2	Teaching	32	14
3	Non-teaching	52	09

• **Cafeteria**— Yes

• **Health centre**—

Primary health facilities are available at Sessions Court, which is located next to the College. The staff can also avail of the health centre run within the High Court premises. Besides as a government institution, the staff is entitled to health services offered by JJ Hospital, St George hospital and Madame Cama Hospital

First Aid	Yes
Inpatient/Outpatient	No
Emergency care facility	No
Ambulance	No
Qualified Doctors	No
Qualified Nurse	No

• **Facilities like banking, post office, book shops:**

Situated in the heart of financial capital of the country, the College has an easy access to all facilities including post office

- Transport facilities to cater to the needs of students and staff **No**
- Animal house: **No**
- Biological waste disposal: **No**
- Generator or other facility for management /regulation of electricity and voltage **No**
- Solid waste management facility **No**
- Waste water management **No**
- Water harvesting **No**

College being a heritage (Grade I) building, all structural changes/planning requires approval from Heritage Committee.

12. Details of programmes offered by the college

SI. No.	Programme Level	Name of the Programme/ Course	Duration	Entry Qualification	Medium of instruction	Sanctioned/ approved Student Strength (Entry	No. of students admitted in 2015-16
	Under-Graduate	1. B.Com.	3 yrs	H.S.C.	English	264	263
		2. B.A.	3 yrs	H.S.C.	English/ Marathi	120	116
		3. B.Sc.	3 yrs	HSC (Sci)	English	120	77
		4. B.Sc. I.T.	3 yrs	HSC (Sci)	English	72	72
		5. B.Sc. (Biotech)	3 yrs	HSC (Sci)	English	42	40
	Certificate courses	1. Remote Sensing & GIS	3 months		Ph.D	20	12
		2. Industrial Chemistry	6 months			40	36

13. Does the college offer self-financed Programmes?

Yes, College offers 3 self-financed programmes in B.Sc. IT, B.Sc.(Biotechnology) & Geographical Information System (GIS)

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

The college has introduced 2 new programmes during last five years.

15. List the departments

Faculty	Departments (eg. Physics, Botany, History etc.)	UG	PG	Research
Science	Botany, Biotechnology, Chemistry, Information Technology, Mathematics, Microbiology, Physics, Statistics, Zoology	09		
Arts	Economics, Sociology, Political Science, Psychology, Geography, History, Marathi , Hindi , English	09		
Commerce	Commerce	01		

16. Number of Programmes offered under

- annual system
- semester system - 5
- trimester system

17. Number of Programmes with

- Choice Based Credit System - 5
- Inter/Multi disciplinary Approach - Nil
- Any other(specify and provide details) - Nil

18. Does the college offer UG and/or PG programmes in Teacher Education? **No**

19. Does the college offer UG or PG programme in Physical Education? **No**

20. Number of teaching and non-teaching positions in the Institution

Positions	Teaching faculty						Non-teaching		Technical staff	
	Professor		Associate Professor		Assistant Professor		*	*	*M	*
	*M	*F	*M	*	*M	*F	*	*	*M	*
Sanctioned by the UGC/University/ State Government	---	----	---	---	51		62		--	--
Recruited					15	20	44	03		
Yet to recruit	--	--	--	--	16 18		15		--	--
Sanctioned by the Management/ society or other authorized bodies	N.A	N.A	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

*M-Male*F-Female (Staff recruitment takes place at State level, hence M:F ratio may

look skewed at college level)

21. Qualifications of the teaching staff:

Highest qualification	Professor		Associate		Assistant		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.							
Ph.D.					05	09	14
M.Phil.					00	03	03
PG					11	05	16
Temporary teachers							
Ph.D.					02	00	02
M.Phil.					00	00	00
PG					00	10	10
Part-time teachers							
Ph.D.					00	00	00
M.Phil.					00	00	00
PG					00	00	00

22. Number of Visiting Faculty/Guest Faculty engaged with the College. **00**

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

Categories	Year1		Year2		Year3		Year4		Year 5	
	2010-11		2011-12		2012-13		2013-14		2014-15	
	M	F	M	F	M	F	M	F	M	F
SC	103	89	96	71	81	77	86	113	107	102
ST	05	01	01	00	00	00	0	02	00	00
OBC	65	91	56	67	61	53	91	103	81	109
General	440	375	508	404	442	392	475	410	451	443
Others	44	31	00	00	41	17	60	40	66	51

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

Type of students	UG	PG	M.Phil.	Ph.D.	Total
Students from the same State where the college is located		N.A	N.A.	N.A	
Students from other states of India	37	N.A	N.A.	N.A	
NRI students	00	N.A	N.A.	N.A	

Foreign students	00	N.A	N.A.	N.A	
Total	1483	N.A	N.A.	N.A	

25. Drop out rate in UG and PG (average of the last two batches)

UG - NIL

PG - N.A.

26. Unit Cost of Education

(a) Including the salary component

Rs. 33,162

(b) Excluding the salary component

Rs. 4,316

27. Does the college offer any programmes in distance education mode (DEP)?

Yes

No

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

Name of the Programme	Teacher-student ratio
1. B.Com.	57.7
2. B.A.	12.15
3. B.Sc.	7.83
4. B.Sc. I.T.	41.75
5. B.Sc. (Biotech)	18.8

29. Is the college applying for

Accreditation: Cycle1 Cycle2 Cycle3 Cycle4

Re-Assessment:

30. Date of accreditation* (applicable for Cycle2, Cycle3, Cycle 4 and re-assessment only)

Cycle 1 : 16/09/2004

Accreditation Result: A Grade

31. Number of working days during the last academic year: **227**

32. Number of teaching days during the last academic year: **182**

33. Date of establishment of IQAC: **01/07/2005**

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

i. AQAR Year 2005-06	23/01/2014
ii. AQAR Year 2006-07	23/01/2014
iii. AQAR Year 2007-08	23/01/2014
iv. AQAR Year 2008-09	23/01/2014
v. AQAR Year 2009-10	23/01/2014
vi. AQAR Year 2010-11	23/01/2014
vii. AQAR Year 2011-12	27/02/2013
viii. AQAR Year 2012-13	27/11/2013
ix. AQAR Year 2013-14	16/12/2014
x. AQAR Year 2014-15	30/09/2015

Part- B

(Criteria wise inputs)

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 students, teachers, staff and other stakeholders.

The Vision of the Institution:

To kindle the spirit of learning among the youth, irrespective of socio- economic differences, to consistently pursue excellence preserving the tradition of high reputation while meeting the challenges of globalised world.

The Mission of the Institution:

To provide:

- Equal Opportunities of Education
- Holistic Education ensuring all-round development of students.
- create a human capital, which can be an asset to the nation

Objectives:

- i) To provide quality and affordable education to all the sections of society.
- ii) To facilitate Overall Personality Development of the students through organizing and participating in various inter and intra collegiate festivals, including physical fitness and sports.
- iii) To offer a large number of combinations of subjects for greater flexibility and appropriate choice of subjects.
- iv) To hone the skills of the students to enhance further learning and employability job orientation.
- v) To provide State-of-the art infrastructure for enrichment of the teaching-learning process.
- vi) To encourage the spirit of research.
- vii) To enhance creativity and an entrepreneurial approach through industrial collaborations.
- viii) To encourage Physical fitness and talent in sports activity.

Elphinstone College is one of the premier institutions in the country that has a long and cherished history of imparting quality education for 160 years. It is perhaps the only institution of higher education in the country with four Bharat Ratna's awarded to its alumni. As an institution

run by the Government of Maharashtra, one of the progressive states of India, it readily lends itself to transforming the goals of the Government of Maharashtra with respect to higher education, into a tangible reality.

The goals of the Institution are displayed on the college website as well as in the prospectus, which can be easily accessed by stakeholders. The same are also displayed at the entrance of the institute.

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).

The institute has made provisions for effective implementation of curriculum as follows.

- At the beginning of academic year all the departments prepare **Academic Calendars**, it gives detailed picture of teaching plan, units covered per semester and internal assessment.
- The faculties of the departments maintain **academic diaries** where weekly teaching plans are written.
- A **three member Academic committee** appointed by the college ensures effective implementation of curriculum. The academic diaries maintained by the teaching staff are checked by them.

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?

- Orientation courses are conducted at departmental level to make students aware of the various subject combination/credit based grading systems and internal and external assessment patterns.
- Faculty members are representatives/members of the syllabus committee or Chairpersons of the Board of Studies at the University. Courses are modified from time to time by the University. Being members of the Board of Studies teachers actively participate in deciding courses and syllabi. In addition, teachers bring in new aspects of the subjects to suit the student requirements. There are also field visits, projects, paper presentations and seminars to widen the horizons of the students
- Teachers of the teaching staff participate Pre and post Syllabi framing workshops.

They collect information from the internet informal feedback from students and academic peers to generate inputs for the Board of Studies in order to revamp the syllabi and make them more relevant.

- Staff members are a part of various internet groups to keep them updated with the syllabi such as the GOOGLE GROUP OF TEACHERS.
- The University has offered the Choice–Based Credit System option from the academic year 2011 which will eventually allow the students a number of options to ensure flexibility giving deeper understanding of the subject by way of assignments, class tests, seminars etc and prepares the students for continuous assessments.
- Internet facility for I T Students and internet facility for all the students is made available in the college.
- Use of UGC guidelines for developing or restructuring the curricula.
- The University prepares all the curricula according to the directives of the UGC. In designing autonomous and add-on courses too, UGC guidelines are used wherever relevant. For this, the UGC and university provide grants to conduct the courses based on the curriculum.

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.

- Most Departments have an easy access to ICT enabled services to make the teaching learning process innovative and rewarding.
- The use of LCDs and Interactive board facility enables the staff members to use more innovative teaching practices. This enables them the use of CD Animations and other newer trends for more effective teaching
- Continuous upgrading of laboratory instruments also gives the students a better hand on training in practical's.
- UGC RESOURCE LEARNING CENTRE is established in the college Library (2007-2012).This gives an internet access to all the students. The students can avail of computer facility in the library.
- The College has a well equipped Common Research Facility that provides the necessary infrastructure to conduct research for teachers and students.

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

College has conducted online course in Biostatistics in collaboration with Lab India Pvt. Ltd. Mumbai. The College has been a Member with W.W.F. to facilitate enhanced learning for students of Botany, Zoology etc. The College has an institutional membership with American Center Library to ensure better exposure to recent literature for teachers and students.

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.

Staff members are representatives/members of the syllabus committee or Chairpersons of the Board of Studies at the University.

1. Dr.Pratima S. Jadhav, former Principal was Member of the board of studies, M.Phil, Biochemistry. She is also course co-ordinator for M.Sc. (Biochemistry by research, Mumbai University)
2. Dr Gitte, department of Economics, is member of board of studies for Economics for commerce.
3. Dr Dhananjay Deolalkar, Department of English, is member of board of studies for English.
4. Dr Savita Patil Head, Department of English, is a member of syllabus setting committee for paper number IX Translation studies.
5. Dr. Surendra Thakur, Head, Department of Sociology, is a member of syllabus setting committee for TY BA Sociology papers Social Theory, Research Methodology
6. Dr. Nikita Naik, Head, Department of Microbiology, is a member of syllabus setting committee for SY BScMicrobiology Paper-I.
7. Prof. Rupesh Raut a member of ad-hoc committee for M.Sc Forensic Biology syllabus.
8. Prof. Sanjoti M. Sanap member of board of studies for T.Y.B.A.Hindi syllabus committee paper VII, VIII, IX.
9. Dr.Mrinal Kagwade is a Member of writers committee formed by BOS in Zoology and has Co-authored a university practical book of zoology For fybsc course 1 semester 1
Title: Animal interaction and biodiversity ISBN: 978-81-931459-4-4

10. Dr.Bhavana Patole is a Member of AD-Hoc board of studies in Ancient Indian History Culture and Archaeology and Buddhist Studies since from October 2012.

Informal feedback is obtained by the teachers from the students with respect to the effectiveness of the curricula through their interactions within the class room and with the students who pass out. This information is used in reframing the syllabi at the University level

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.

College has successfully initiated and conducted add-on career oriented courses like GIS and Industrial Chemistry.

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

Syllabus planning is done keeping in mind the learning outcome, which facilitates better focus in the teaching –learning process. It also helps in organizing co-curricular activities including field-visits to compliment the class room experience. Periodic evaluation of the students through tests/seminars/ examinations/assignments etc help in reassuring an effective implementation of the learning outcomes and achieve the stated objectives of the curriculum. Besides, special efforts taken to ensure effective implementation of the syllabi include the following:

- Though the medium of instruction is English, following the mission of social inclusion and ‘Equal Opportunity to All’, the staff in humanities departments provide study material, as well as special classes in Marathi / Hindi for students having difficulties in expressing themselves in English. This is done to ensure that no one is deprived of higher education only because of the language barrier, without creating a sense of segregation by creating a separate division. Meanwhile separate coaching is also provided to improve the fluency in English language of such students. 0
- Remedial classes are conducted by various departments for quality academic output.
- HEPSN - The College has an active HEPSN cell, to help differently abled students to cope with the challenges facing them in acquiring education. The HEPSN cell has an impressive

collection of audio tapes on various subjects recorded in Marathi and English based on syllabi of various years especially in humanities.

- Counselling is offered to the students with the help of an experienced full time counsellor for guidance as well as stress related problems faced by the students today.

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 college runs various Skill Development/ Certificate courses with an objective of providing holistic education. This includes:

1. Courses that enhance the soft skills such as:

Sr.No	Name of the course	Number of Enrolment	Duration
1	Theatre workshop	30	3 months
2	Power-pack English	30	3 months
3	BPO training	15	1 month
4	Interview skills	20	1 month
5	Written communication	20	1 month
6	Personality development	25	1 month
7	Public relations and media management	25	3 months

These courses were conducted in collaboration Nimble Foundation.

2. Other Courses to enrich the understanding of the subjects include:

I. GIS and Remote Sensing Technology

Conducted by the Department of Geography. The duration is 12 weeks for a batch of 20 students.

The first batch started on 14th August, 2012 to 31 Sept., 2012

II. Industrial Chemistry

3. Under the UGC Equal opportunity Scheme, the college has conducted various skill based vocational courses:

1.	English	Certificate course in Advanced English
2.	Microbiology	Certificate course in Microbiological Techniques.
3.	History	Introduction to Indian Archaeology
4.	Geography	Hands on training on QGIS
5.	Sociology	Certificate course in Basic Research Methodology
6.	Botany	Certificate course in Horticultural practices.
7.	Information Technology	Certificate course in MS office.
8.	Zoology	Microtomy and its applications.
9.	Mathematics	Commercial Mathematics for Girl students.
10.	Statistics	Course in probability Distribution.

4. Besides, several departments have designed bridge courses to cover the knowledge gap of the students. These include:

I. Mathematics- Introduce Polynomials and binary operations to F.Y.B.A students.

II. Biotechnology- Providing elementary information on cell biology, genetics, microbiology, biochemistry and instrumentation.

III. Chemistry- Introduce students to the basics of Green chemistry, physical, organic, inorganic chemistry.

IV. Statistics - Introduce students to basics of data collection, and data analysis using visual presentations such as tabulation, histograms, and numerical indicators such as mean, median, and mode.

V. Microbiology-Introduction to Fermentation technology and molecular genetics

Besides, the Gymkhana department has conducted a one day course in First Aid with an enrollment of 54 students.

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

Following the guidelines of UGC and Mumbai University students are allowed to pursue more than one degree course at a time. This is especially true of students from the Commerce stream many of who pursue professional courses such as C.A /C.S from Institute of Chartered Accountant/Institute of Company Secretary along with B.Com. The students from the Arts stream pursue dual degree as well. They have the facility of doing B.A from our institute and B.B.A/Diploma in Electronics/Aviation/Travel and Tourism/Law from other institutes.

1.2.3 Give details on the various institutional provisions with reference to academic flexibility and how it has been helpful to students in terms of skill development, academic mobility, progression to higher studies and improved potential for employability.

College offers a wide range of Core/Elective options in science and humanities. Second year students have a paper on applied component with a greater emphasis on practical aspects of a subject. College has taken care to introduce new options in this category taking into account the possibility of academic mobility, progression to higher studies and better employability. Also, subject combinations are changed periodically following demands from the students.

1.2.4 Does the institution offer self-financed programmes?

The College offers self financing degree courses in Information Technology and Biotechnology. As these are the fast growing sectors in India.

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

College has initiated several value-added courses, most of which have already been mentioned. While courses in soft skills provide an edge in performing better in competitive situations, those specifically meant for deeper understanding of a subject add to the core competence of the students.

1.2.6 Does the university provide the flexibility of combining the conventional face to face and distance mode of education for students to make use of the combinations of courses they are interested in? If yes give operational details.

No such facility is available.

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?

College is wedded to the objectives of providing:

- Equal Opportunities of Education to all
- Holistic Education ensuring an all-round development of students.
- Creation of human capital, which can be an asset to the nation

Institution implements curriculum directed by University of Mumbai keeping the above objectives in mind. Various schemes to ensure an effective integration between the goals set by the University in the curricula and goals and mission cherished by the College include:

- Creation of human capital, which can be an asset to the nation
- Book Bank scheme
- HEPSN cell
- Remedial courses, besides the bridge courses to support learning

Depending on the needs of the students, the humanities departments permit students to learn as well as write their examinations in Marathi. This is done to ensure that difficulty in English language does not hinder upward mobility of the students, without creating an independent section for such students, which can lead to a sense of segregation among the student community on the bases of language.

1.3.2 What are the efforts made by the institution to modify, enrich and organize the curriculum to explicitly reflect the experiences of the students and cater to needs of the dynamic employment market?

Various departments of the college organize field/industrial **visits** and guest lecturers by eminent speakers for better understanding, as well as to catch the glimpse of frontiers of the subject and its scope in the job market. More specifically, the B.Sc. IT students are engaged in project work that positively impacts their career opportunities.

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

Students are sensitized on contemporary issues that affect the modern society to develop an aware citizenship in the young generation. Women development cell conducts workshops, exhibitions, and guest lecturers etc to awaken the youth on gender related issues. Environment consciousness, human rights issues are taken up by various programs undertaken by the N.S.S., as well as by departments of Biotechnology, Geography, Sociology, Botany etc. N.S.S. works to develop a strong sense of patriotism while inculcating basic values such as hard work and discipline at work.

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

- **Moral and ethical values**
- **Employable and life skills**
- **Better career options**
- **Community orientation**

The college offers various value-added courses for the holistic development of the students. Besides there are yoga workshops conducted from time to time. The College has also engaged sessions of Anaapaan meditation propagated by Vipassana for the benefit of the students, and their parents. The music library has a separate section of music for meditation and relaxation.

Workshops for girl students on self defense, first aid etc. have been aimed at building their self confidence and sense of esteem.

National symposiums, workshops, hands-on training sessions organized by science departments provide an edge in enhancing employability.

College has also conducted job fairs with a remarkable success.

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

As an affiliated college, the curriculum is designed and provided by the University, and the College implements with utmost care. This is further enriched by the value-added/skill based/ vocational/ add-on courses, besides the remedial and the bridge courses to fill in the gaps of understanding whenever necessary.

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

The institution monitors and evaluates quality of its enrichment programmes by taking oral and written feedback from the beneficiaries so that they may be implemented in the next cycle.

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?

The University revises the syllabus every three years. The affiliated colleges are expected to adopt and implement the syllabus revised by the University according to the guidelines set by the U.G.C. The faculties of the College who are appointed to the various University Bodies contribute to the revision of the syllabus. . The college teachers play a very important role in designing the syllabus at the university level as representatives and chairpersons of the Board of Studies.

The syllabus is revised by the University on the bases of the demands of changing times and expanding the curricular scope. The affiliated colleges are expected to adopt and implement the syllabus revised by the University according to the guidelines set by the U.G.C. The faculties of the College who are appointed to the various University Bodies contribute to the revision of the syllabus.

1.4.2 Is there a formal mechanism to obtain feedback from students 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?

There is no formal mechanism.

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?

Various short term courses have been introduced to add and enhance the knowledge gained by the students through their curricula, besides enhancing their employability. This includes eight courses for soft skills, skill based vocational courses and Two UGC sponsored certificate courses.

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?

Admissions are done following the University schedule and government resolutions regarding and these are displayed on the notice board and College website.

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.

Admissions are done only on the basis of merit as per the University rules and resolutions of the Government.

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

Programmes	2010-11		2011-12		2012-13		2013-14		2014-15	
	Min	Max								
B.A	35	85	38	73	35	81	46	83	38	92
B.Com	40	75	59	80	35	81	35	87	37	84
B.Sc	37	75	44	66	39	88	38	78	40	84
B.Sc Biotech	45	70	43	64	43	82	46	81	42	91
B.Sc IT	41	73	49	74	40	72	44	74	45	76

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

Meetings of Admission committees are held regularly to ensure smooth conduct of admission procedure. At the end of the admission procedure, a review meeting is conducted by the Principal. Whenever number of applications is significantly greater than the seats available, permission is obtained from the University to increase the capacity. There is no independent mechanism of creating Student profile, which may even lead to feeling of segregation, however the performance in the previous examination is considered as a reference point. A special attention is given to students with lower percentage at entry level to enhance the performance at graduation level. This is done through remedial coaching and various other endeavours aimed at personality development. Physically and visually challenged as well as dyslexic students are supported by HEPSN. The College has accessed UGC funds to implement merged schemes for the benefit of minority and socially backward students. These include plans such as coaching classes for entry into services, remedial coaching, provision of infrastructure ensuring easy access to ICT to the students, etc. Each year hundreds of students register under these programs. The feedbacks received for the same are highly encouraging. College also has an in-house student counselor to help students who face various psychological problems. Outstation students are given hostel accommodation in government hostels.

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

As a government institution, the college is committed to the principle of social inclusion. College strictly follows the reservation policy of University for admission in various courses. The composition of students in college reflects the diversity of student community.

University prescribes reservation policy as per the directives of Government of Maharashtra. The present composition is SC 13%, ST 7%, DTA 3%, NTB 2.5%, NTC 3.5%, NTD 2% and OBC 19%. The Women Reservation is 30% and 3% seats are reserved for the ward of Central/State Government employees (transfer cases), Freedom Fighters, Defence employees, widow/Divorcee and Sportspersons.

Year	SC	ST	VJNT	SBC	OBC	GENERAL	Total
2005-06	138	07	14	09	120	1036	1324
2006-07	107	12	35	-	140	1087	1381
2007-08	126	15	30	01	223	999	1394
2008-09	126	12	35	02	220	1001	1396
2009-10	159	17	42	02	229	876	1325
2010-11	176	09	39	03	195	852	1274
2011-12	160	18	33	47	190	1000	1448
2012-13	187	01	42	36	145	922	1333
2013-14	199	13	55	45	186	885	1383
2014-15	209	-	59	49	190	894	1401

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.

Course	Demand = <u>Number of applications</u>					
	Ratio Number of students admitted					
	2009- 2010	2010- 2011	2011- 2012	2012- 2013	2013- 2014	2014- 2015
B.A.	1.29	1.21	1.51	1.62	2.81	3.40
B.Com.	3.55	3.44	3.34	3.19	4.11	4.39
B.Sc.	2.18	2.12	1.80	1.61	4.57	5.61
B.Sc (BioTechnology)	3.60	3.74	3.37	2.80		
B.Sc (IT)	5.26	5.03	4.90	4.53	5.60	5.76

Number of applications has substantially increased in last two years for Arts faculty. Number of seats in commerce has been raised due to more applications with the permission of University in the year 2014-15.

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 College has an active HEPSN cell, to help differently abled students to cope with the challenges facing them in acquiring education. The HEPSN cell has an impressive

collection of audio tapes on various subjects recorded in Marathi and English based on syllabi of various years especially in humanities. It has acquired special instruments like JAWS (which reads out word/excel files for visually challenged students), Scanner and Braille recording instrument to enhance the learning ability of such students as well as software to help dyslexic students in their learning. The cell maintains a list of students who wish to volunteer to be the readers or writers for the challenged students visually.

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

No

2.2.3 What are the strategies drawn and deployed by the institution to bridge the knowledge gap of the enrolled students to enable them to cope with the programme of their choice? (Bridge/Remedial/Add-on/Enrichment Courses, etc.

Academic session of entry level students begins with an orientation by respective faculty members to share information regarding the subject, syllabus and credit based exam system. Once teaching commences, the teachers gauge the academic and social profile of the students through informal class interactions. This enables them to identify the academic strength and weaknesses of the class, following which bridge courses are recommended to the relevant students. And over a period of time study circles are formed to engage all the students in fruitful experience of co-learning. Special attention is paid to the students hailing from other States or interiors of Maharashtra. This is done by switching over to other mediums of instruction effortlessly within the class itself to avoid any feeling of exclusive status. Many departments have acquired text books written in vernacular languages in their libraries to help better understanding of the subject.

Further, students are allowed to change subject combination even after their admission up to the completion of University enrolment process. The College has made continuous attempts to make appropriate changes in permitted subject combinations, considering the inclinations of the student community. This is evident by the number of subject combinations offered in the College. As per university rules, Students are allowed to change their stream. Special care is taken of such students to bridge the knowledge gap between previous and present stream.

Some instances of bridge courses are as under

- Students of Biotechnology who did not have Mathematics as one of their subject in the qualifying exam are enrolled for a special 15 lecture course work, which is organized and conducted by the Department of mathematics.
- Courses like Public Speaking and Communication Skill, organised by English Department, helps students to interact more confidently in the class.
- Department of Economics has designed special course for understanding basic economics, which is available to students who opts for change of stream, or have not done economics before.

Further, many departments such as Commerce, Botany, Microbiology, History, English , Sociology have designed and implemented value added courses/Hands-on-training workshops to bridge the knowledge gap and kindle the interest among students.

Faculty members encourage and guide the students for their future academic planning and growth. Departments arrange special lectures, seminars and workshops which help students to understand the subject and explore career prospects in their respective field.

2.2.4 How does the college sensitize its staff and students on issues such as gender, inclusion, environment etc.?

Women Development Cell of the College organizes guest lectures, workshops & poster exhibitions etc to sensitize college students regarding gender discrimination issues. WDC in collaboration with Gymkhana has organized special programmes for lady faculty members and girls of college on several occasions.

Also, Department of English conducted survey of women status under the guidance of Department of Life-Long Learning and Extension studies, University of Mumbai. This and such endeavours expose the students to the ground realities of the society, besides enabling them to acquiring the skill of report-writing. Students from Department of Microbiology also have undertaken projects related to health issues under Department of Life-Long Learning and Extension studies, University of Mumbai and presented them in form of Posters and Skits in UDAAN-University festivals. The NSS wing has consistently engaged the student-volunteers in awareness camps and programmes related to social and environmental issue.

“Blossom”, the Nature Club of college has conducted several environmental awareness programmes like Beach Cleaning after “Ganpati” immersion, Workshop on Hand-made paper and Making of Paper Bags. It has also conducted One day workshop on “Eco-friendly Ganpati” in association with World Wide Fund for Nature, Mumbai. It was attended by students of various

schools and colleges from Mumbai. NSS team contributes regularly towards supporting environmental issues.

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

As the academic session progresses, continuous evaluation and classroom participation of students help the faculty to identify advanced learners. Further interaction with such students helps faculty members to gauge the problems and needs of advanced learners.

Such students are encouraged to seek self-actualization under the guidance and mentorship of their teachers. College has progressively acquired facilitating infrastructure to realize this objective. Meritorious students are issued appreciation letters as an incentive to keep excelling.

Advanced learners benefit the most from departmental libraries. Besides, college has institutional membership with American Center Library, which can be accessed by students interested in further learning. They are encouraged to represent college for different intercollegiate events, research meets and other co-curricular activities.

Several students from Biotechnology department have won prizes for best Poster presentation in undergraduate category at National level conferences. History students from SYBA have completed research methodology course held by Heras Institute of Indian History & Culture, Mumbai. A student from Department of History has also completed an International workshop on “Tools in Stone Age” at University of Mumbai.

2.2.6 How does the institute collect, analyze and use the data and information on the academic performance (through the programme duration) of the students at risk of drop out (students from the disadvantaged sections of society, physically challenged, slow learners, economically weaker sections etc.)?

The College has no drop-outs. Students with terms to keep often approach the teachers for guidance even after a gap in their studies, while they pursue job. Personal interaction of individual teacher at the classroom level helps the teacher to gauge the Student’s profile on the basis of attendance record and academic performance.

Slow learners, once identified, are provided additional help in form of Remedial courses, explanation of subject matter in vernacular medium if necessary, discussion, Extra lectures &Tutorials, Personal counseling.

Students from economically weaker section receive scholarship and freeship from various government schemes. College also implements “Earn and Learn Scheme” for such students.

HEPSN especially look after the needs and problems of differently abled students. College has purchased special instruments and software’s to help visually challenged students in acquiring knowledge. Facilities like ramp on ground floor (proposed) and elevators helps in easy movements of physically challenged students. The facility of in-house counseling in college by qualified Counselor helps students to tackle stresses arising from socio-psychological problems.

2.3 Teaching -Learning Process

2.3.1 How does the institution plan and organize the teaching-learning and evaluation Schedules? (Academic calendar, teaching plan and evaluation blue print, etc.)

The college follows the University syllabus and pattern of examination. Academic calendar is prepared before the end of the previous year to enable comprehensive coverage of the syllabi.

Teaching plan is monitored by the Head of the departments, Academic Committee and supervised by the Principal. Departmental head conducts regular meetings to discuss the implementation of academic calendar. The examination dates are conveyed by the University through circulars. Academic diaries are attested by the head of the department and send for verification to the academic committee. The compliance report is submitted by the Academic committee to the Principal. So teaching and evaluation schedules are appropriately adjusted to guarantee effective completion of the entire process.

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

Teaching and learning are foundation of every learning centre and IQAC plays a pivotal role in making it more effective. IQAC acts as a router for practically all developmental activities in college. IQAC members are part of all important decision making committees.

IQAC has been instrumental in instructs every department to prepare Academic Plan and Academic Calendar for the forthcoming year, a copy of which is submitted to the IQAC. A compiled academic planner of the college is prepared for better co-ordination amongst departments for smooth and efficient teaching.

IQAC has been instrumental in:

- Designing and introducing Academic Diaries,
- Providing guidelines on preparation of syllabus plan for the year,

- Providing the alternative strategies in mentorship,
- Guiding the staff on how to prepare bridge courses,
- Building inter-library network,
- Finalising student feedback forms on teachers,
- Undertaking student feedback for all the courses and classes
- Recommending the names of teachers who deserve to be appreciated on the basis of analysis of the student feedback,
- Providing guidance in preparing calendar of extra-curricular activities,
- Proposing plans for student-centric technological up-gradation such as **Smart Class, Wi-Fi system, Library automation, etc.**
- Disseminating best practices across departments to encourage co-learning.

2.3.3 **How is learning made more student-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 students?**

Interest of the student-community is at the heart of the vision mission and the quality policy of the College. And it manifests through various endeavours of the faculty as well. Some of which are: Mentoring, Book Bank scheme, Study Circle, Inter-library loan facility, and field visits for a direct exposure.

Field trips, Excursions and Study tours are intended to expose students to field based knowledge. In Science departments, particularly Botany and Zoology, it is impossible to study diversity in flora and fauna without visiting field. Such activities whet and rekindle the interest among students and teachers in classroom teaching. Other departments that regularly engage their students in field visits include: Chemistry, Microbiology, Geography, History, Sociology, Physics, Biotech, Commerce and IT.

Industrial visits by Biotechnology and IT departments also serve the same purpose. Biotechnology Department arranges Industrial Visit to research institutes and biotech industries to generate awareness and interest among students. It was during such I.V. to NDRI, Karnal, students saw India's first successfully cloned animal. They also interacted with scientist involved in cloning experiments and were left motivated after the meet. Microbiology department arranges annual visits to packaging institutes and science open days conducted by NMIMS and ACTREC.

Use of ICT takes learning experience to altogether different level. When presentation is

made using animation or PPT, it leaves lasting impression on students mind. Visual presenter projects demonstration like dissection and section cutting on bigger screen thereby making it possible for all students to observe it minutely.

Language laboratory received enthusiastic response from students. The lab is equipped to cater 20 Students at a time and helps students to hone their communication skills. College has full-fledged media room with well-equipped audio-visual aids. Students from language and humanities departments display great interest in making use of such modern gadgets.

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

Syllabi raise the knowledge of students in a systematic manner, but it is equally important to rise above this frame work and seek beyond. College has consciously taken steps to realize this objective, through programmes such as Conferences, symposia and workshops at International, national and state levels, besides hands on training in various subjects such as microbiology, botany, bio-technology, IT. The list of conferences, symposia and workshops, etc. is rather long and it begins with the International Conference on Urban Planning. Last year the College conducted Science Camp to whet the appetite among the young minds.

All such attempts create an ambience conducive to advanced learning, and they have paid their dividend. For instance, Faculty of Science plans activity to explore student's potential and provide a platform to bring out their hidden talent. Students from Department of Biotechnology have submitted 58 research based projects under Population Education Programme (PEP) of Department of Life-Long Learning and Extension (DLLE), University of Mumbai. As a result more number of students have started taking interest in research activities and began to participate in research meets and workshop. This year one of the students from department of Biotechnology has won first prize for poster presentation in undergraduate category at UGC funded National Level Workshop.

- **Zoology Department** has organized events like 3 days workshop on “Microtomy and Staining Techniques”, Poster competition, Scientific Model making, Nature Photography and Nature Video competition to boost creativity and thereby develop their interest in the subject.
- **Department of Botany** regularly arranges workshop, seminar and talks on subject

related topics. Workshop on Bonsai, Flower arrangement, vegetable and fruit carving, terrarium and Bottle Garden, Terrace garden etc. Similarly invited lecture on “Trees in Mumbai”, Aromatherapy and Cosmetology helps students to explore new avenues over and above the limitations of syllabus.

- **Microbiology Department** also arranges activities like Bioskit, animations, awareness programme regarding health and sanitation. The department has conducted microbial assay of roadside food stalls and water samples. Such scientific surveys help the development of scientific temper among students.
- **Department of Chemistry** has carried out comparative study of chemical composition of common cosmetics, Edible oil and allotropes of carbon. They also carry out experiments to study Food Adulteration.
- **History Department** regularly organises visits to museum, places of Historical importance, Exhibitions of coins, artefacts etc. Activities like Poster Competition also enhance the creativity among students.
- **Department of Economics** has organised “Elphinomics”, an intercollegiate festival with activities related to subject. The climax of this festival was “Mock Stock” which was organised with the help of a Qualified Trainer in BSE, who simulated the environment of Stock Exchange to give students firsthand experience of proceeding of stock market.
- **Geography Department** organise field trips to study geomorphology and other geographical features, such activities help students to understand the subject in a more scientific way. Visits to Planetarium and Subject related Exhibitions are organised with the same intensions.
- **Hindi Department** organises “Hindi Saptah”, a week long programme consisting of various extra and co-curricular activities. Guest talks also provides new dimension to their understanding.
- **Marathi Department** regularly arranges series of memorial lectures named after the Eminent Alumni and national figures. These go a long way in inspiring students who are infused by awe and admiration by the speakers.
- **English Department** utilises Language Laboratory and Media Library to infuse literary skills in students. Students from other departments also make use of this facility to hone their linguistic ability. Film shows, poster comp, debate, elocution and essay writing competitions help students to develop critical thinking and creativity.
- **Commerce Department** organises lectures by professionals like Chartered

Accountants and Lawyers, who make use of their expertise to impart practical application of their curriculum in professional world.

Few events are perhaps as awe-inspiring as the astronomical events, and Transit of Venus was one such event in the recent past. Arrangements were done in the College premises for all those interested to observe the event by setting up Scientific Telescope by an expert in this field, a member of the teaching faculty. It was a crowd puller. The programme was attended by staff of other colleges, offices, including a batch of foreign tourists apart from students of this college. Such events are used as a platform to scientifically explain the events with the help of charts and models. The motive behind organization of such activities is to initiate a scientific thought process and temper.

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

Faculty of college utilizes their skills and available infrastructure to make learning process more effective. Every department is equipped with computer with internet connection. LCD projector is also available, as and when required by the faculty members. College has proposed to establish at least 7 smart class rooms with interactive boards. Availability of such facilities is responsible for increase in Power Point Presentation, animations, display of live video by faculty members.

Language laboratory and Music Library have received great response from students. Music library has collection of over 10,000 titles. Language lab helps in improvement of phonetics and assessment of pronunciation of students. College has witnessed rise in student's attendance after the installation of language lab.

Library has the Electronic Resource Management package for e journals – Open access resources and INFLIBNET. Through DOAJ (Directory of Open Access Journals) 4076 journals are available online and are accessible to the faculty members. The facility is beneficial for the faculty members to do reference work especially for research publications. Library is in process of implementation of automation software and bar-coding of books.

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

Internet in itself is a huge repository of knowledge and when it is smartly brought into the classroom, it optimizes learning outcome. Availability of ICT infrastructure has prompted some of our faculty to adopt different method of delivering lectures. The routine face-to-face classroom method is combined with computer mediated web based activities. Blended learning is more popular in science stream. Department of Biotechnology, Microbiology, Botany and Zoology and IT are making more and more use of animations, PPTs and live videos during regular lectures and practicals.

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

Formal and informal interaction with students, inside and outside the classroom helps faculty to gauge the need, problems and requirement of students. Academically weak students are encouraged to attend remedial classes. Every department submits details of remedial coaching, whenever conducted, to the Principal. The college has a facility of in house counsellor providing solace to students requiring psycho-social support.

Departments arrange seminars and guest lecturers to introduce student to newer vistas in their respective fields. Job Fairs are arranged annually, to create awareness among students regarding various opportunities available to them. Department of Botany, Economics, Zoology and Biotechnology have organised special lectures highlighting career prospects in their subjects. Department of IT regularly organizes campus interviews conducted by reputed corporate houses like Wipro, NIIT, TCS etc.

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 student learning?

Innovative teaching approaches/methods adopted by the faculty during the last four years include:

- Introduction of multimedia tools and internet.

- Student centric and participatory mode of learning achieved through seminars, case-studies, Workshops, Hands on Training.
- Collaborative teaching of certain subjects such as research methodology.
College has made huge investment of resources to improve upon its ICT infrastructure. Most departments are provided with computer and/or laptop with internet connectivity. The projector is promptly made available on demand. The college is in process of introducing state of the art wired and Wi-Fi networking solution for its students and staff together. Establishment of Language Laboratory, Media Library and smart classrooms provide new dimension to Teaching-learning practices.
- All these efforts have yielded results. There is an increase in participation of students in research based seminars and workshops. A student from Biotechnology Department has won first prize for Poster Presentation at UGC funded National level Conference in Odhisha. Research project of students from department of Microbiology has won Second prize in Wilson college Mumbai and have also won The Sajjan Gupta- Konark Memorial Award trophy at K.C. College, Mumbai, in a research meet.

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

Library is a Knowledge Hub. The College library has a collection of more than 90,000 books to its credit. College has started the process of Library automation for effective utilization of knowledge resources. It has a spacious reading room and computer lab with 30 thin-pads connected to high speed broadband internet connection.

Library has an OPAC system to browse the availability of books. Bar-coding of books in library is under process to make data entry of books, quick and accurate. It will also reduce the waiting time for students to access library resources. Library has the Electronic Resource Management package for e journals – Open access resources and INFLIBNET. Through DOAJ (Directory of Open Access Journals) 4076 journals are available online and are accessible to the faculty members and research students.

Students are encouraged to utilize library resources for their project work. Advanced learners are entitled to issue one extra book from the library. There is an open access for students to text book section in the reading room.

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.

Syllabus completion on time is of paramount importance for every department. Head of the department conducts regular meeting with faculty members to evaluate the progress of syllabus. Academic committee also monitors the implementation of academic planning of individual department.

Major challenge in the execution of academic schedule is shortage of permanent staff. Being a government institution, recruitment of faculty is done by Public Service Commission, hence workload is calculated at the beginning of academic session to assess the requirement of teaching staff and appointments are made on contract basis from time to time to overcome the staff crunch.

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

A well planned and executed Academic planner and Academic calendar is a prerequisite to quality education. Once the teaching workload is distributed among the members of the staff through departmental meetings, the teachers prepare the teaching plan, preferably along with the co-curricular activities that would support the class room teaching. This is discussed within the department and then displayed to the students on the department notice boards. The College has an academic committee consisting of three senior members from the teaching staff, which monitors the overall teaching process besides the heads of the departments, who oversee the work done in their respective departments.

Vigilance committee monitors proper implementation of the timetable and submits report regularly to the Principal. Principal plays a key role in ascertaining regular conduct of lectures and their quality through her rounds and informal interactions with the students.

Students' feedback is taken each year to understand the strengths and weaknesses in the teaching learning process as perceived by the students. This data is analyzed by the members of Statistics department and the results are conveyed to the Principal. The top scoring teacher is felicitated in the staff common room meeting.

College follows the semester pattern of examination, which requires regular assessment of students through internal examinations. In the process the teachers and students are constantly engaged in fruitful interactions that go a long way in enriching the teaching learning process. It also facilitates the teachers to identify the academically weak performers who are then offered remedial courses to improve with time. Hi-

performers are provided better exposure for a more fulfilling experience. Besides, various departments have Study Circles wherein hi-performing students interact with others, in a peer-mentoring like process adding energy to the entire experience.

Lastly, parents offer their suggestions in the PTA meetings.

2.4 Teacher Quality

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

Highest qualification	Professor		Associate Professor		Assistant Professor		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
D.Sc./D.Litt.	0	0	0	0	0	0	0
Ph.D.	0	0			7	7	14
M.Phil.	0	0	0	0	1	4	5
PG	0	0	0	0	04	10	14
Temporary teachers							
Ph.D.					02	01	03
M.Phil.					00	00	00
PG					00	00	00
Part-time teachers							
Ph.D.					0	0	0
M.Phil.					0	0	0
PG					0	00	0

Permanent members of the teaching staff have been appointed through M.P.S.C., an autonomous body, which has the freedom to raise the qualifications at the recruitment level beyond the U.G.C. stipulations. As govt. employee, the staff can access several benefits, including possibility of enjoying the accommodation provided by the Govt. in a place like Mumbai may act as a strong incentive for the new recruits. Also the 'gazetted' position enjoyed by the faculty is a matter of status and prestige.

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.

The college offers self-financed courses of Biotechnology and Information Technology. Appointment of qualified faculty for these courses is done by following procedure laid down by government.

Apart from this, arrangement of lecturers on clock hour basis, Guest Lectures and invited lectures is done to bridge the knowledge gap. Department of Biotechnology appoints special lecturer for teaching applied component for Third Year students. Similar appointment is made by IT department and persons from corporate world are roped in to provide the flavor of the corporate world. Such endeavours of college has paid rich dividends. For e.g. 100% result in applied component for Biotech students. Similarly the success rate of the IT students in developing new software/projects has been commendable.

College considers learning as a lifelong process and promotes faculty to participate in training courses for knowledge gain.

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.

a) Nomination to staff development programmes

Academic Staff Development Programmes	Number of faculty nominated
Refresher courses	17
HRD programmes	02
Orientation programmes	06
Staff training conducted by the university	00
Staff training conducted by other institutions	03
Summer / winter schools, workshops, etc.	03

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

- **Teaching learning methods/approaches:** IQAC has conducted workshops on teaching skills from time to time,

- **Handling new curriculum:** Teachers attend workshops held through the BoS.
- **Content/knowledge management:** These aspects are covered by the orientation workshops held by the Board of Studies.
 - **Selection, development and use of enrichment materials:** This is done usually at the department level. Teachers' area also members of Google groups, which helps to disseminate the information.
 - **Assessment:** These aspects are covered by the orientation workshops held by the Board of Studies.
 - **Audio Visual Aids/multimedia OER's/Teaching learning material development, selection and use:** Interaction with teachers from other colleges, and departmental meetings are great facilitators.

c) **Percentage of faculty**

- **invited as resource persons in Workshops / Seminars / Conferences organized by external professional agencies:**
10%
- **participated in external Workshops / Seminars / Conferences recognized by national/ international professional bodies: 100%**
- **presented papers in Workshops / Seminars / Conferences conducted or recognized by professional agencies 95%.**

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 industrial engagement etc.)

College promotes excellence in research and academic activities among the faculty. It adheres to the policies of UGC and Government of Maharashtra for granting sabbatical leave and study leave. Periodically our staff members have received study leave under Faculty Improvement Programme.

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.

Nil

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

The college conducts Teachers' evaluation by students annually and results are analyzed by department of Statistics. The best teacher is felicitated in the staff room meetings. India Today Magazine has consistently rated our college among top 10 colleges in city and they also adopt peer review as one of the method. Parents also provide suggestions during Parents Teachers Meeting.

2.5 Evaluation Process and Reforms

2.5.1 How does the institution ensure that the stakeholders of the institution especially students and faculty are aware of the evaluation processes?

The college receives directives regarding evaluation process from the University. It is then communicated to the faculty of all departments who in turn convey the same to students. In addition, the college organizes Parents- Teachers meet where the parents are given a clear idea about the evaluation process.

Evaluation process has undergone a major change with the introduction of Credit based evaluation system adopted by the University of Mumbai. Faculties from each department have been deputed for workshops organized by their respective Board of studies to upgrade their knowledge about the change of syllabi and the pattern of evaluation process.

At the beginning of each semester students are instructed about the pattern and tentative schedule of internal assessment as well as external evaluation. Schedule of all the semester exams is decided one month before the commencement of the exam with prior consultation from the head of departments. The final time table of examination is displayed on the notice boards and distributed to all departments. It is also displayed on the college website.

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 has introduced credit based evaluation system which involves continuous assessment of student progress through series of internal and external examinations. The college strictly follows all guidelines set by university of Mumbai for internal and external assessment.

Setting of question papers, valuation of answer books and publication of results are carried out by the college on behalf of the University for FY & SY courses. The college also has centralized assessment facility which maintains model answer key prepared by the paper setter and moderation of answer books as per the University norms.

University implements system of bar coding and use of OMR sheets to ensure fair and impartial assessment of Final Year Students. The college has adopted the process of Masking of students detail on the answer-sheet to protect their identity for unbiased assessment. It is an economical and affordable alternative to achieve the same end result. This process is implemented at FY and SY examination conducted by the college on behalf of University. Further, students can apply for verification of marks as well as re-evaluation of assessed answer-books if needed. In all such cases, the College provides a photo-copy of the assessed answer-book to ensure utmost transparency.

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?

College has setup Internal Examination Committee which in coordination with head of the departments prepares schedule of Internal Tests in accordance with credit based assessment system of University of Mumbai.

A set of 3 Question papers is provided by the faculty to the Examination committee according to the university guidelines for external evaluation. Question papers are sealed in separate envelopes without any captions/ titles, to ensure secrecy. Of these, one question paper is selected randomly by the Principal to maintain the confidentiality of examination. Schedule of external examination is prepared well in advance and is communicated to students and faculty. It is also put up on website and notice board.

The college has set up a committee for centralized assessment of answer books. This ensures completion of evaluation process in stipulated time. Result committee is responsible for declaration of result and printing of Grade-cards. Even before the implementation of credit based exam system, the result committee has developed a programme for preparation of result with the help of IT department.

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

Credit based system of examination lays stress on continuous evaluation of students throughout the academic year. The evaluation pattern incorporates formative and summative approach to measure students' academic growth and achievement. The ratio of formative and summative assessment is 25:75.

The formative evaluation is done on the basis of students performance in the regular class test conducted, projects & seminars submitted by the students and overall conduct of the student during the academic session. Such evaluation extends throughout the actual teaching period of academic year and ensures active involvement of students in the subject. This system of evaluation has improved student's attendance in last two years.

The summative format of evaluation is based on the external theory examination conducted by college on behalf of the university at the end of every academic session. The academic knowledge and performance of each learner is finally tested in the theory paper of their respective streams. The introduction of internal class tests, seminars and projects helps students to perform well in the external theory examination.

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

Semester pattern allows evaluation of performance of students at various stages. At the end of each semester marks obtained in internal and external exams are consolidated. The mark sheets are printed after they are verified by the result committee. An overall result is displayed on the notice boards, followed by the distribution of mark sheets, after a prior intimation. Parents are invited at the time of distribution of mark sheets, so that they are aware of the performance of their ward.

2.5.6 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 students (weightage for behavioral aspects, independent learning, communication skills etc.

Heads of various departments ensure that internal evaluation is done with care and integrity. Scaling down of marks is done in cases of excess valuation as per the University norms. Overall performance score includes behavioural aspect, attendance, participation

in class, and the interest shown in co-curricular activities by the student.

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

Achievement of learning objectives is implicit in an effective transaction of syllabi. A qualitative manifestation of this is the class room interaction, while quantitatively it is revealed through the examination performance.

2.5.8 What are the mechanisms for redressal of grievances with reference to evaluation both at the college and University level?

The students' grievances are redressed at the college level for F.Y and S.Y level examination. Students discontented with their score are free to demand verification or revaluation of answer-books within a prescribed time limit as per the University guidelines. This includes providing a photocopy of the assessed answer book and arranging an external subject expert for revaluation of answer sheets, for a fair and unbiased resolution of the grievance.

2.6. Student performance and Learning Outcomes

2.6.1 Does the college have clearly stated learning outcomes?

If 'yes' give details on how the students & staff are made aware of these?

College follows the syllabus prescribed by the University of Mumbai. Learning outcomes are mentioned specifically in the syllabus for most of the academic programs. They are also discussed during Board of Study meetings, syllabus framing and workshops conducted by the university before the implementation of new syllabus. The college assures that faculty from every department attends these meetings and workshops to get acquainted with details and learning outcomes of the syllabus.

Learning outcome implicit in the syllabi are made more explicit by the staff during the process of syllabus planning. This is done at departmental level through meetings. An understanding of learning outcome helps the staff to design add-on or bridge courses matching the capabilities and interests of the students to the stated learning outcomes. Students are informed about the learning outcome during the teaching learning process by the concerned teacher.

2.6.2 Enumerate on how the institution monitors and communicates the progress and

performance of students 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.

Title of the Programme	Academic Year							
	2011-12		2012-13		2013-14		2014-15	
	A	P	A	P	A	P	A	P
B.Com	218	85%	166	88%	242	75%	203	79%
B.Sc.& Bio Tech	92	78%	104	65%	71	60%	74	89%
B.A.	68	68%	52	75%	52	68%	48	63%
B. Sc. IT	67	69%	52	67%	59	71%	53	56%

(A=appeared; P=Pass percentage)

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 is structured in a manner that facilitates learning with ease. Strategies to strengthen the process include: Peer-mentoring carried out by many departments through study-circles, bridge and remedial courses as per the need and the abilities of the students, guest talks, holding workshops for practical knowledge, arranging field visits for better exposure etc. Interactions with parents also help in assessing the effectiveness of the teaching learning process.

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

Add-on courses are designed by the staff with a view to enhance employability promote entrepreneurship and kindle the passion to undertake innovations. Departments also undertake extension activities and field visits that inculcate sense of social responsibility. Workshops provide hands-on training and additional skills needed to apply the knowledge acquired in classroom learning. It may be noted that of over a 100 events of learning enrichment (workshops, seminars, field visits, symposia, guest lectures, hands-on training etc) have been arranged so far by various departments in the last five years in the college.

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

Remedial courses are conducted for students with poor performance in examination. Bridge courses facilitate ease of learning and add on courses are designed in a manner that rekindles the zest for learning in the students.

Besides these arrangements, technical support in the form of access to internet and computers, and specially designed software in the HEPSN cell aids learning of visually challenged and dyslexic students. Question papers are prepared with Marathi translation to enable students who wish to attempt questions in Marathi. Departments maintain libraries to assist learners with varied requirements.

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

Results in internal and semester examinations are used as indicators of the learning outcome. This information is used to supplement classroom teaching in the form of remedial coaching etc.

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

Performance of students in the examination becomes signal of additional efforts needed in teaching learning process. These are designed and implemented at department level.

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

A study of effectiveness of teaching learning process was conducted by the College using statistical techniques. A random sample of 90 students in commerce stream and 37 students from Arts stream was gathered for comparison of percentage of marks obtained at entry point (12th Standard examination) and exit point (final examination of graduation). This data revealed an upward movement in performance in both the streams by both girls and boys. The improvement of marks was the highest (13%) among boys pursuing commerce course, while girls in arts stream showed a higher grade of improvement (7%). This speaks of the efforts taken by the College and its staff in promoting better performance.

CRITERION III: RESEARCH, CONSULTANCY AND EXTENSION

3.1 Promotion of Research

3.1.1 Does the institution have recognized research center/s of the affiliating University or any other agency/organization?

No. The laboratories in the College are designed to cater to requirements of undergraduate syllabi.

3.1.2 Does the Institution 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.

College has a research committee consisting of Principal, as the chairperson, three senior faculty members from Arts, Science and Commerce, librarian and technician.

The research committee performs the following functions:

- Maintaining all the relevant information regarding acquiring grants for i) research proposals ii) workshops iii) conferences/symposia to be held at national / state level from various agencies such as UGC, ICSSR etc.
- Holding college level workshops to spread information to the faculty about scholarships, preparation of research proposals / proposals for state / national level workshops.

Scrutinizing various proposals forwarded by the staff members for minor/ major research projects to be submitted to concerned funding agencies.

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

Autonomy to the principal investigator: timely availability or release of resources: adequate infrastructure and human resources, time-off, reduced teaching load, special leave etc. to teachers, support in terms of technology and information needs, facilitate timely auditing and submission of utilization certificate to the funding authorities

The Principal Investigator works with autonomy. The research committee in co-ordination with the Principal oversees the process of fund- release to ensure smooth progress and implementation of research project. This includes ensuring suitable infrastructure and manpower availability. Convener of UGC Committee provides support in preparing and submitting

utilization certificate on time. In the recent past 5 members of the faculty have availed FIP Scheme to complete their doctoral research.

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

Students are encouraged to take various projects which hone their skills so that they become well-versed with the subject and its real life applications. Besides, students are taken for industrial/field visits to enable a direct exposure. Workshops are conducted to support class room learning experience and to expose the students to the frontiers in the respective subjects. In the academic year 2013-14 the College conducted Science Camp with top quality scientists as resource persons. The aim of the camp was to infuse the scientific temper in the young minds.

3.1.5 Give details of the faculty improvement in active research (guiding students research, leading Research Projects, engaged in individual / collaborative research activity, etc.)

Various departments have involved students in group research. They include departments of Sociology, Geography, Micro-biology, Bio-technology, and Chemistry. Department of History has sent the students to National conference and International workshops. Students from History department have also attended workshops on writing research reports.

Dr. Suchita Krishnaprasad, department of Economics has been actively collaborating with research activity conducted by Ambekar Institute of Labour Studies, Mumbai. She also worked as external collaborator with International Labour Organization (ILO), New Delhi for “Mapping and Assessment of Labour Administration in Maharashtra”.

Dr. M.M. Sagdeo, Head, department of Statistics has guided Mrs. Pratiksha Bhawalkar to complete her doctoral thesis which was submitted to RTM Nagpur University in May 2013.

Dr. N.N. Kasturiwale, Department of Statistics, has guided Mrs. Nalini Vaidya to complete doctoral thesis which is submitted to RTM Nagpur University in May 2015. Title of the thesis is “A new approach to solve linear programming problem and its applications’ & a minor research project titled ‘Preparation of Study Material for Concepts in Statics in e-Form’ has been submitted to UGC in November 2015.

Dr. M.M. Sagdeo completed a Minor Research Project on Statistical Package R sanctioned by University Grants Commission, WRO, Pune. (2011-13)

Dr. Jayashree Desai, Head, Department of Physics has submitted minor research project to the UGC.

Dr. Ratan Hajare is a recognized Ph.D guide with Department of Geography Shivaji University, Kolhapur and currently seven students are working under his guidance.

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

Various departments have taken efforts in this direction. The details of such activities in last five years are:

Sr. No	Department	Workshop/ Seminar/ Guest Talk	Date
1.	Botany	Flower arrangement	15 th Sept 2011
2.	Botany	Bottle Garden and Terrarium	21 st Jan 2011
3.	Botany	Workshop on ‘ handmade paper making and paper bag making’	13 th August, 2012
4.	Botany	Workshop on Nature Photography	5 th September, 2012
5.	Botany	Guest Lecture on ‘Tree Flora of Mumbai’ by Dr. Rajani Desai.	5 th September, 2012
6.	Botany	Workshop on ‘ Eco-friendly Ganapati making’ in association with WWF for Nature, Mumbai	6 th September, 2012
7.	Botany	Hands on training on Herbal Formulations by Dr. Dhvani Mehta.	7 th September, 2012
8.	Botany	Invited lecture on Aromatherapy & Cosmetology by Dr. Renuka Thergaonkar	7 th September, 2012
9.	Botany	Workshop on ‘Bonsai Making’ by Dr. Urmila Sarkar	7 th September, 2012
10.	Botany	Intercollegiate Flower Arrangement Competition	10 th January, 2013
11.	Biotechnology	Invited lecture on ‘Bio-informatics’ by Mr.Swapnil Bhujbal, CRP santé Laboratory, Netherland.	9 th January, 2013
12.	Biotechnology	Seminar on ‘ Medical Microbiology’ Dr. Taruna Gupta, Scientist NEERA, Mumbai	9 th January, 2013
13.	Chemistry	An interdisciplinary workshop on balancing of chemical equations on the basis of algebraic methods, in collaboration with department of mathematics	March 2012.
14.	Chemistry	UGC sponsored National Workshop on Green Chemistry	21 st January 2015
15.	Economics	Introduction to derivatives in Commodity market	20 Dec 2011
16.	Economics	Guest talk by Ms. Sangeeta Das, Director	28 th September,

		Communication, RBI.	2012
17.	Economics	Mock-Stock: Workshop on Stock Market by Mr. Purv Shah, BSE	29 th September, 2012
18.	Economics	Talk on Markets and Competitiveness by Mr. Sanjay Bahadur, IRS	5 th September 2013
19.	Economics	Talk by Sanjay Bahadur, Income Tax Commisioner, Mumbai on "Union Budget Mechanics & Analysis"	10 th December, 2014
20.	Economics	Talk by BSE Trainer Mr. Purv Shah on "Role of Banking & Finance sector in the recent future"	3 rd March, 2015
21.	English	Workshop on "Prosody" was conducted	9 th February 2010
22.	English	UGC sponsored two day National Workshop on Science Fiction	February 2015
23.	Geography	Application of Remote Sensing Technology and Geographic Information System in Disaster Management	20 th -21 st , September, 2013
24.	Gymkhana	First aid and Life Saving training	14 th Dec 2011
25.	Gymkhana	Workshop on Basketball organized by National Basketball Association, India	11 th October, 2012
26.	History	Workshop on Sources of History	6 th -7 th February 2012
27.	History	Invited talk on ' Indian Art' by Ms. Shilpa Cheddha	14 th December,2012
28.	IQAC	Seven Days State level workshop on "Tools & Analytical Techniques in Life-Sciences"	22 nd -28 th April, 2013
29.	IQAC	Research meet organized by IQAC	27 th April,2013
30.	IQAC	Research meet organized by IQAC	1 st April, 2015
31.	Marathi	Workshop on ' Marathi Shuddhalekhan'	17 th February, 2013
32.	Marathi	'Yashwantrao Chavan, Maharashtra Suvarna Paan' Invited Speaker-Shri. Madhukar Bhawe	22 nd February,2013
33.	Marathi	Jambhekar Lecture series: BalShastri Jambhekaraani Patrakarita' Speaker: Dr. Ravindra Bedkitol	27 th February, 2013
34.	Maths/Chemistry	Balancing of chemical equations by chemical mathematical methods	March, 2011
35.	Mathematics	An interdisciplinary workshop on balancing of chemical equations on the basis of algebraic methods, in collaboration with department of Chemistry	March 2012
36.	Mathematics	Workshop on Algorithmic Trends in Mathematics was conducted	7 th September 2013
37.	Mathematics	One day State Level workshop on "Topics in Ring Theory"	19 th September 2014
38.	Microbiology	Workshop on BIOINFORMATICS	3 rd February 2009
39.	Microbiology	2-days Workshop on 'Health & Hygiene'	28 th & 29 th August 2012
40.	Microbiology	Workshop on- 'Health and Hygiene'	28-29 th September

			2012
41.	Microbiology	Green mission for sustainable life. (waste management by the process of composting by daily dump)-by Anil Ranglani	2013-14
42.	Physics	Career Guidance	8 th Feb 2012
43.	Physics	Scientific Exhibition of ‘ Models and Posters’	12 th December, 2012
44.	Physics	Competition of Electronic Projects	12 th December, 2012
45.	Physics	Guest talk by Mr. Mahesh Samant, on Introduction to Nano Technology and its applications	5 th September 2013
46.	Sociology & Geography	Socio- economic survey at Pali.	09 th September, 2011
47.	Sociology & Geography	Sociological study of Agriculture farmer at Alibaug	21 st Sept. 2011
48.	Sociology	Disaster Management workshop	23 rd , 24 th February 2012
49.	Sociology	Minitab and Research methodology	29 th -30 th November, 2012
50.	Sociology	Invited talk on ‘ Hindu Code Bill’	5 th February, 2013
51.	Sociology	Qualitative and Quantitative Research methods and data collection skills	20 th -21 st , September, 2013
52.	Sociology	Certificate course in basic Research methodology	18-30 th Oct.,2013
53.	Sociology	How to write research paper in Reputed Journal	13 th February, 2014
54.	Sociology	SPSS and Statistical Data Analysis in Social Sciences	29 th march, 2014
55.	Statistics	Workshop on SPSS	12, 13 Dec 2011
56.	Statistics	ICSSR Sponsored National Seminar on MINITAB & Research Methodology.	29-30 th November,2012
57.	Statistics	Workshop conducted on R programming	3 rd August 2013
58.	Statistics	Two days National Level Workshop on ‘ Statistical Techniques & applications in Management’	19 th & 20 th September 2014
59.	Zoology	Workshop on Microtomy and Staining Techniques	22 nd , 23 th December 2011
60.	Zoology	Seminar on ‘Credit system and internal evaluation	2 nd July, 2012
61.	Zoology	Seminar on ‘Scopes in Zoology by Shri. Vinayak Dalvi, Chairperson, Board of Studies in Zoology, University of Mumbai	13 th September,2012
62.	Zoology	‘A-VIEW’ an online program for teaching for junior college staff members	February,2013
63.	Zoology	Seminar on ‘Conservation of Endemic species of Tassar Silkworm <i>Antherea myllita</i> in association with Tribals of Gadchiroli’	February 2015
64.	Elphinstone college, Mumbai	One Day National Symposium on ‘Modern Research Trends and Applications in Life-Sciences’	7th January 2012.

65.	Elphinstone College	UGC Sponsored second National Symposium on Modern Research Trends and Applications in Life Sciences.	9 th February, 2013
66.	Elphinstone College	Seminar on 'Innovation opportunities in India', by Dr. Aditya Dev Sood, New Delhi	20 th February, 2013
67.	Elphinstone College	Frontiers in the field of Science, Technology & Sustainability"	14 th -15 th February, 2014
68.	Chemistry, Mathematics, Physics, Botany, Zoology, Statistics	Seven Days Science Camp	September 2013.

Following departments have engaged their students in field work:

Sr. No.	Department	Theme	Year
	Microbiology	Potability Testing of Drinking Waters, Food Hygeine and Safety	Conducted every year
	Microbiology	Visits to NMIMS school of sciences organized for T.Y.B.Sc students.	2013-14
	Microbiology	Visit to PTC lab for T.Y.B.Sc students -students had hands on training on plant tissue culture experiments	2013-14
	Microbiology	Visit to Institute of Science Instrumentation Lab	2014-15
	Microbiology	Visit to Bombay veterinary College, Parel	2014-15
	Microbiology	Visit to PTC lab for T.Y.B.Sc students -students had hands on training on plant tissue culture experiments	2014-15
	Information Technology	Students from IT Department visited Industrial Area of Uttarakhand	2010-11
	Biotechnology	Students of Biotech Dept went to Chandigarh and Kullu-Manali for study tour. During their stay at Chandigarh, students visited National Dairy Research Institute at Karnal where India's and World's first cloned water buffalo "Garima" was developed.	2010-11
	Botany	Students from the Department of Botany visited Satpura Biosphere Reserve, and Panchmarhi where students got an opportunity to see rare plants such as Psilotum (living fossil) and Cyathus (only surviving species of Tree Fern). Department also organized nature trail to Matheran for students of Botany and Nature Club of Elphinstone College.	2010-11
	Sociology & Geography	Socio- economic survey at Pali and Alibaug.	2011-12
	Botany	Excursion was arranged to Chandigarh where students studied landscaping and garden pattern in the city. Students also visited cottage industry in Kullu district	2011-12

		before proceeding to Manali	
	Biotechnology	Comparative Analysis of Seawater with respect to Physico-chemical parameters around Mumbai with special reference to Oil spill & Ganpati Festival.	2012-13
	Botany	Excursion was carried out to Satpura Biosphere Reserve, and Panchmarhi.	2012-13
	Botany & Biotechnology	Field visit was organized to Darjeeling & Gangtok where students got a chance to see Tea plantations, Factory, Wineries and Food Processing Plants in the area.	2013-14
	Botany	Students were taken to Panchmari and Satpura Biosphere Reserve.	2014-15
	Geography	Field visit to Kasara Upper Vaitarana River	27 th October, 2010
	Geography	Visit to exhibition of Rocks and minerals at University of Mumbai	1 st December 2010
	Geography	Educational tour to Bhandardara and Kalsubai	19 th , 20 th Feb, 2011
	Geography	Visit to Nehru Planetarium	10 th Feb, 2011
	Geography	Educational tour to Tornmal	27 th , 28 th Jan, 2012
	Geography	Visit to regional metrological centre Colaba, Mumbai	22 nd March, 2012
	Information Technology	Industrial visit was carried out in IT Parks near Chandigarh	2013-14
	Mathematics	A visit to Tata Institute Fundamental Research (TIFR)	19 th December 2014
	Physics	Visit to BARC & Atomic Reactor on the occasion of National Science Day.	28 th Feb 2015
	Statistics	Visit to Indian Statistical Institute, Bangalore	2013-14
	Zoology	Field visit to Periyar Sanctuary, Back waters of Allepey, Ervaikulam Wildlife Sanctuary, Thiruvannanthpuram Zoo	November 2008
	Zoology	Field visit to Panchmari Biosphere reserve, Kanha wildlife Sanctuary and Jabalpur	November 2009
	Zoology	Field visit to Varsoli Sea coast to observe marine bio diversity	November 2012
	Zoology	Field visit to Dandeli wildlife sanctuary and Karwar Sea coast, Karnataka.	January 2014

	Zoology	Visit to Zoonosis Department at Haffkine institute ,Mumbai.	2012
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Besides, the college has been regularly holding national symposia on contemporary issues.

The details of this are:

Theme	Dates
An international Conference on “Urban Planning and Environment.”	30 and 31 January, 2007
One Day National Symposium on ‘Modern Research Trends and Applications in Life-Sciences’	7th January 2012.
Frontiers in the Field of Science, Technology & Sustainability	14 th – 15 th Feb, 2014

3.1.7 Provide details of prioritised research areas and the expertise available with the institution.

Faculty members have expertise in the fields mentioned below:

Name	Department	Research Degree	Area of Research
Principal Dr. Madhuri Kagalkar	Statistics	Ph.D.	Probability Theory
Dr. Meenakshi Sagdeo	Statistics	Ph.D.	Statistical Inference and Stochastic processes
Dr. Neha Kasturiwale	Statistics	Ph.D.	Operations Research
Dr. M.V.Kagwade	Zoology	Ph.D.	Endocrinology
Dr. R.S.Dhamnaskar (Recently Joined as Joint Director , Higher Education, Maharashtra State)	Chemistry	Ph.D.	Metal Complexes, Green Chemistry and Environmental Chemistry
Dr. Ashwin Mehta	Information Technology	Ph.D.	Nuclear physics
Smt. V. S. Yeole	Mathematics	M.Phil	Commutativity of near rings
Dr. Suchita Krishnaprasad	Economics	Ph. D.	Industrial Relations, Labour Economics
Dr. M.R.Gitte	Economics	Ph.D.	Agricultural and development

			Economics
Dr. KalindiJahagirdar	Economics	Ph.D.	Regional Imbalance in Economic Development
Dr. BhavanaPatole	History	Ph.D.	History of The Marathas
Dr. SavitaPatil	English	Ph.D.	Comparative Literature
Smt. SanjyotiSanap	Hindi	M.Phil.	Modern Hindi Poetry
Dr. K.B.Tashi	Marathi	Ph. D.	Comparative study of modern and classical Marathi literature.
Dr. B.N.Khomane	Marathi	Ph.D.	Comparative Study of literature with special emphasis on rural literature.
Dr. Surrendra G. Thakur	Sociology	Ph.D.	Agrarian Sociology
Dr. Nikita Naik	Microbiology	Ph.D.	Medical Microbiology
Dr. Sanjay S. Jagtap	Botany	Ph.D.	Phytochemistry
Dr. B. P. Kamble	Commerce	Ph.D.	Financial Investment
Dr. Ratan V. Hajare	Geography	Ph.D.	Agriculture and development Geography

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

College has successfully organized conferences at international and national levels as well as State level workshops. These have provided a platform for eminent personalities from various fields to visit the institution and interact with staff and students. Besides, various departments invite experts to deliver guest lectures attempting to take the students beyond the prescribed syllabi.

The following gives a gist of events organized in the college in the recent past.

1. International Conference organized on 30 and 31 January, 2007 on “Urban Planning and Environment.” met with an overwhelming response. 200 papers were received from international and national academicians. There were 80 national and 26 international participants from; Iran, Guyana, Japan, Turkey, Germany, UK, Us, Brazil and South Africa, including three plenary addressers from US and UK. The proceedings of the conference were published by Macmillan Co. Ltd.

2. One Day National Symposium on ‘Modern Research Trends and Applications in Life-Sciences’ was held on 7th January 2012.
3. One Day National Symposium on ‘Modern Research Trends and Applications in Life-Sciences’ was held on 9th February 2013.
4. A two day UGC sponsored ‘ National Workshop was held on 20th and 21st September on 2013 on “Applications of Remote Sensing Technology and Geographic Information System in Disaster Management”
5. A two day national conference was held on 14th and 15th February 2014 on the theme “Frontiers in the Field of Science, Technology & Sustainability”
6. A one day UGC sponsored national workshop on Green Chemistry was held on 21st January 2015.
7. Two day UGC sponsored National Conference on Recent Trends in Science Fiction & Fantasy Stories was held in February 2015

Besides this there were various other workshops through which eminent academicians visited the institution.

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?

Approximately eighteen percent of the faculty members have utilized leave for research activities under Faculty Improvement Programme (FIP) under UGC and have resumed their duties after completing their doctoral dissertations with a renewed and enriched knowledge.

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)

Initiatives taken up by the institution to conduct research for the benefit of community includes:

- Students from department of Biotechnology analyzed the water from various water bodies of different parts of Mumbai for all seasons and also before and after rainy season and Ganapati immersions for physico-chemical parameters.
- Students from Microbiology have periodically tested quality of drinking water in college and students’ hostels, and have conducted microbial analysis of chutneys and juices with the vendors in the vicinity of the College.

- Dr. Suchita Krishnaprasad is a resource person for training programs conducted to spread awareness among trade union activists regarding the contemporary realities, organised by FES New Delhi and Ambekar Institute of Labour Studies, Mumbai.
 - Dr Suchita Krishnaprasad has worked as an external collaborator with ILO on Mapping and Assessment of Labour Administration and Social Dialogue in Maharashtra. The recommendations made in this project were used in a workshop conducted by ILO to train and sensitise the labour administration department of the State.
 - Besides, several staff members have conducted research projects on socially relevant issues and have submitted reports to appropriate authorities.
- All these efforts reflect the motivation of the Institution and its staff towards the society.

- Besides college has conducted various awareness camps. This includes:

1. Thalassemia check-up camp was held in the college premises, for all students, faculties and outsiders. It focussed on precautions and treatment that can be given in this condition, besides providing the detection test.
2. Eye check-up camp was organized by college for all students, faculties and outsiders. It was very useful for people and helped people to take proper medication and treatment for healthy eye sight.
3. The college made arrangements for sharing the Astronomical spectacle of Transit of Venus on 6th June 2012, which received an overwhelming response from the wider society.
4. Department of Political Science conducted awareness workshop in the neighbouring school to commemorate Constitution Day on 26th November 2015.
5. Department of Marathi conducted a Malaria awareness camp for college students.

3.2 Resource Mobilization 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.

There is no independent budget allocation for research. Funds are obtained in the form of grants from UGC and Mumbai University as and when a research proposal is sanctioned.

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?

Not applicable

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

College provides infrastructure to support research projects undertaken by students.

3.2.4 How does the various departments/units/staff of the institute interact in undertaking inter-disciplinary research? Cite examples of successful endeavours and challenges faced in organizing interdisciplinary research.

Institution has conducted various interdisciplinary national and state level research workshops. Some successful examples are:

1. State level Workshop in Quantitative technique in research held by Depts. of Economics and Sociology on 24th Feb, 2009.
2. One day College level workshop on Balancing of chemical equations by chemical mathematical methods held by departments of Mathematics and Chemistry in March, 2011.
3. ICSSR sponsored national level workshop on Minitab and Research methodology organized by departments of Sociology and Statistics on 29-30th November, 2012.

Also a collaborative research in the form of socio-economic surveys has been undertaken by students from Department of Sociology and Geography at Pali and Alibaug.

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 institution has conducted various national and state level workshops, modules related to molecular biology, fermentation, research methodology, Bio- statistics and Bio- informatics etc, ensuring use of various laboratory equipments by students as well as the staff members. Workshop on SPSS , R-programming and Minitab have also been organized as a part of training for optimal use of computers in statistical analysis.

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.

No.

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

Sr.No	Name of the Department/Faculty	Name of the Project	Status	Major/Minor	Amount
1.	Department of Sociology Shri.S.G.Thakur	Dearth of Water Resources and domestic Responsibilities of Women- A survey- based study	Completed in 2008-09	Minor University of Mumbai	7000/
2.	Department of Sociology Shri.S.G.Thakur	Drinkable Water and Management: A survey Based Study of Tribal Bhilla Community in Dhule District.	Completed in 2010-11	Minor University of Mumbai	15000/
3.	Department of Sociology Shri.S.G.Thakur	Role Conflict among the wives of Suicide committed farmers in Marathwada	Completed in 2014-15	Minor University of Mumbai	35000/
4.	Department of Microbiology Smt.Deepa Hirani	Potability testing of different brands of Bottled Waters.	Completed	Minor University of Mumbai	13500/
5.	Department of Microbiology Dr.Swati Wavhal	Anaerobic treatment of polyester fabrics and study of its effect on dyeing properties.	Completed	Minor University of Mumbai	15000/
6.	Department of Microbiology Smt. Nikita Naik	To study the pollution levels in Marine water of South Mumbai and to isolate microbial scavengers thriving on this pollutant having bio-remedial significance to reduce pollution on Mumbai coast.	Completed	Minor University of Mumbai	15000/
7.	Botany Mr.AmitSaraf	Phytochemical and Pharmacogenic study on Sapindustripholiatos L.	Completed	Minor University of Mumbai	10000/
8.	Botany Mrs.Jayaa Pawaar	Aeromycological studies in the college library environment	Completed	Minor University of Mumbai	15000/
9.	Botany Mr. Amit Saraf	Chemical Fingerprinting of Plants with Anti-fertility activity from Western Ghats region of Maharashtra	Ongoing	Major UGC	7,18,000
10.	Zoology Shri Rupesh Raut	Osteological Studies on Fishes of Family Cyprinidae	Ongoing	Minor UGC	3,40,000
11.	Dr. Rajekhan Shikalgar (Transferred in 2014-15)	Drought assessment and monitoring using remote sensing data in Man River Basin, Maharashtra State	Ongoing	Minor UGC	1,30,000
12.	Dr.Ratan Hajare	“Socio- economic status of Agricultural labours in Hilly region of the Kolhapur District: A geographical analysis	Sanctioned	Major: ICSSR	8,00,000
13.	Dr. Jayashree Desai	Synthesis of chemically deposited Copper indium sulphide films and their application in photovoltaic cells	Completed		

3.3 Research Facilities

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

Institution has a well -equipped research laboratory. The library offers facility of online journals and reference books. Most of the departments have internet facility to facilitate rapid access to the latest information.

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?

As an undergraduate institute of learning, the College plans to provide infrastructure that can facilitate a healthy progression of students to higher courses. This includes acquiring computers, developing a well-equipped research centre and providing Wi-Fi facility.

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.

No

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

Students and research scholars especially from science faculty make use of facilities in the Institute of Science, Mumbai, Institute of Chemical Technology, (former UDCT). Those in humanities use institutional membership of American Library, Department of History trained their students in Research Report writing in collaboration with HERAS Institute, Xavier's College, Mumbai.

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

Library has internet facility. College has developed a central research facility for the faculty members. This laboratory includes sophisticated instruments, like: Flash Chromatography, HPLC, HPTLC, PCR etc.

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

Nil.

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) Original research contributing to product improvement Research studies or surveys benefiting the community or improving the Services Research inputs contributing to new initiatives and social development

- **Dr.Swati Wavhal** Head, Department of Microbiology,(Now working as Director, Institute of Forensic Science, Mumbai) acquired a patent, the details of which are:
Title: Microbiological pre- treatment of polyester fabrics to increase the moisture regain and improves the wear comfort properties CIRCOT, Mumbai (2009).The patent was filed with I.P.India, Application No.:60/Mum/2009, and it was published in journal No.42/2010
- **Dr. R.S. Dhamnaskar**, Former Head, Department of Chemistry (Now Working as Joint Director, Aurangabad) acquired a patent , the details of which are:
Title: A method of production of Fructose from Inulin by using Inulinases enzymes derived from Bacteria. The Patent was filed with I.P.India, Application No.:1636/Mum/2015, and it was published in journal No.19/2015
- **Ms Sheetal Sonar**, department of History has received best research paper award in UGC sponsored 5th Dr. Mani Kamrekar Memorial State level Seminar, held in 2011-2012
- **Dr. Sagdeo**, Head, Department of Statistics, has were conducted survey for the
 - 1) Study of Association between Self-Concept and Adjustment of adolescent student using Multivariate Technique. The test for adjustment that she has administered was helpful in estimating the number of poorly adjusted students who needed further psycho diagnostic study and counselling.
 - 2) Study of Personalities of Teachers in P. G. Departments
 - 3) Study of Temperaments of Students from Different Faculties
 - 4) Data were analyzed using R-software.

Student's achievement

- A student from Biotechnology Department has won first prize for Poster Presentation at UGC funded National level Conference in February 2014.
- Research project of First year students won Second prize on “Antimicrobial activity of *Carambola* fruit extract against some pathogenic organisms” in the BIOMOSAIC-2013 in Wilson College.
- The second year B.Sc students won The Sajjan Gupta- Konark Memorial Award trophy at K.C.College, in a research meet on 21st& 22nd Jan 2015 for their research project on – Antibacterial activity of thermophilic actinomycetes”

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?

There is no research journal of the College, However conference proceedings are published.

3.4.3 Give details of publications by the faculty and students:

Sr. No	Name of the faculty	Total No. of publications	Citation Index	h-index	Monographs/ Books with ISBN/Chapters in Books
1	Principal Dr.M.V. Kagalkar	6			
2	Smt. J.S. Pawar	3	5	1	
3	Shri. Amit Saraf	4			
4	Dr.S.S. Jagtap	6			1
6	Dr. B.P.Kamble	6			
7	Dr. Savita Patil	8			1
8	Shri.S.G. Gaikawad	2			
9	Ms. S.M.Sanap	5			
10	Smt. V.S. Yeole	1			
13	Dr. K.B. Tashi	5			2
14	Dr.B.N. Khomane	1			
15	Dr.M.M. Sagdeo	10			
16	Dr.N.N. Kasturiwale	12	7		1
17	Dr.R.S. Dhamnaskar	11	39		
18	Shri. B.K. Raut	1			
19	Smt. R.D. Yevala	1			
20	Ms. N.V. Thakare	2			
21	Dr. Suchita Krishnaprasad	4			1
22	Dr. M.R. Gitte	9			
23	Dr. K.V. Jahagirdar	24			2
24	Shri. R.V. Hajare	17			1
25	Dr. Bhavana Patole	5			2

27	Shri. S.B. Rathod	3			
28	Dr. N.V. Naik	5	1	1	
29	Smt. D.R. Hirani	1			
30	Shri. S.R. Waghmode	1	3	1	
31	Dr. J.S. Desai	3			
32	Dr. S.G. Thakur	6			3
34	Shri. RupeshRaut	12	231	7	
35	Dr. M.V. Kagwade	3	9	2	1
38	Dr. Ashwin Mehta	12	3		3

3.5 Consultancy

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

Working for an industrial project is an enriching experience, as it involves application of theoretical knowledge. While it kindles the interest among faculty, it can enhance employability of the students. With this strategic consideration, the College has made a few attempts to build an effective interface with industry.

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

As a government institution, the College has little freedom to engage in forming an independent policy on such issues. However staff is allowed and encouraged to undertake consultancy as and when such opportunities arise.

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

College has struck an MoU with Aetron whereby the **College** will make use of its own research strength along with the services and experiences of **Aetron** for the development of High Performance Thin Layer Chromatography (HPTLC) instrumentation facility.

Individual staff members are allowed to provide consultancy to institutions of eminence in the wider society. For example, Dr. Suchita Krishnaprasad is invited as a consultant to Ambekar Institute of Labour Studies to conduct research in labour related matters. She was also invited to participate as a member of civil society to participate in discussion with a Panel on European Union to deliberate on possible impact of FTA between EU and India. She has recently worked as a consultant and external collaborator to ILO.

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

The MoU with Aetron has a potential of revenue generation.

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?

This is determined by the policies laid down by the Government of Maharashtra.

3.6 Extension Activities and Institutional Social Responsibility (ISR)

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?

College has undertaken various activities to expose students to the wider issues in the society such as hygiene, environmental and gender related issues through:

N.S.S., life sciences departments, departments of sociology and geography & projects undertaken for university of Mumbai under Life-Long Learning.

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

- College has an active N.S.S. wing which guides the students to participate in community welfare activities and support relevant social causes.
- Department of microbiology has conducted surveys of quality of drinking water and food available at nearby vendors.
- Department of biotechnology has undertaken test of sea waters after Ganapati immersion., and have conducted workshop on making eco-friendly Ganapati idols, in which several school students took part.
- Department of Sociology and Geography conducted survey of Akshi village in Alibaug, to understand the impact of information technology on farmers.
- Department of Political Science sent students to create awareness about constitution among school students in the neighbourhood to commemorate the Constitution Day. These and such endeavours are conducted under the stewardship of the faculty, which enables the institution to track the involvement of the students.

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

The College has consistently been ranked among top ten institutions of higher education by the India Today magazine. This has gone a long way in consolidating the reputation the College has been enjoying. Media representatives visit the College periodically to cover prestigious events such as Maharashtraotsav, Memorial Lectures, national symposia, and similar occasions.

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

Various extension and outreach programmes have been planned to serve the community. This is done at College level through NSS, Life-Long Learning Scheme under the University of Mumbai, as well as by individual departments such as Bio-Technology, Microbiology, Botany, Sociology, Geography, and Political Science.

NSS and Life-Long Learning Scheme receive their funds from Mumbai University, Departmental grant is used by others to conduct their activities.

Some of the major extension activities conducted by the College include:

- Testing of water samples and chutney at the street vendors near the College
- Testing pollution in sea waters after Ganapathi immersion and workshop on making ‘eco-friendly’ Ganapathi idol, in which hundreds of school children participated,
- Spread awareness regarding Thalassemia, Conduct blood donation and health check up camps
- Spread awareness about General Hygiene, Spread of Air borne diseases like Tuberculosis, Swine flu and Common cold, GI tract diseases through posters and exhibitions.
- Socio-economic survey of farmers in Pali and Alibaug.
- NSS volunteers have worked on preparation of play ground for school in Pali village. Volunteers have contributed to beautification of the school premises and cleanliness in Sonawale village besides spreading awareness about nutrition and proper diet for expectant mothers and children. Some volunteers have spent time on teaching street children in the immediate neighbourhood.

All such endeavours create a spirit of teamwork, sense of commitment and dedication to purpose which go a long way in cultivating leadership qualities in the young generation.

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?

Mission of the college is to provide:

- Equal Opportunity for Education
- Holistic Education ensuring all-round development of students.
- Create a human capital, which can be an asset to the nation.

This is best achieved through participation in NSS, NCC which inculcate the values of empathy, service to the society, discipline, team work and patriotism. College encourages junior college students also to participate in NSS to imbibe the noble values.

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?

Institute conducts programmes under Lifelong Learning scheme under the University of Mumbai. Surveys are conducted under this programme which sensitizes the students through extension activities. Geography department in collaboration with department of Sociology has organized Socio economic survey at Pali village (Dist: Raigad)

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.

Extension activities enable the students to relate the class room learning to the ground level realities of the society through a wider exposure. Enriched by the raw evidences, the students return to the academics with a mature outlook revived interest along with a sense of social responsibility. Students have presented their findings at appropriate forums.

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 institution that encourage community participation in its activities?

College had organized workshop on 'how to make Eco-friendly Ganapati idols', for the school and college students. Department of Botany also arranged 'Hands on training program' on

Handmade Paper & Making of Paper Bags in collaboration with World Wide Fund for Nature (WWF). It was well attended by students and staff. Exhibition and Sale of Medicinal Plants was organised by Botany Department. More than 200 medicinal plants were exhibited and sold during the event.

Students from department of history volunteered in an exhibition of archaeological artefacts conducted by the University of Mumbai.

“Jagrut Mumbaikar”, a social awareness program on was organised in the College by Mumbai Police Department. The program provided guidelines to the young citizens about the care and caution needed in the face of terrorism.

Students from department of Geography conducted a socio-economic survey of Goveli dist. Thane. The survey covered study of the physical features of the area, demographic profile of the residents and brought out the strong impact of urban vicinity on the employment pattern owing to special industrial zone (MIDC) in this area.

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.

World Wide Fund for Nature and Department of Botany: ‘Blossom’, the nature club of Elphinstone College, is a member of World Wide Fund for Nature, Mumbai. The club conducts various activities such as nature trail, beach cleaning activities, etc.

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.

NIL

3.7 Collaboration

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.

The reputation of the College has attracted Informal collaborations with institutes and industry in the past. Recently the College has started formalising such arrangements. One such attempt has resulted in an MoU with Aetron (Manufacturer of HI-precision scientific instruments)

for creation of research facility. Another one with a Roongta Corporate Services Pvt. Ltd. aims at exposing students to investment planning and financial education. As an institutional member of World Wide Fund for Nature, many programs have been conducted in the College with the collaboration of this organization.

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.

Botany department has organized workshops with WWF to engage students in environment awareness. This includes making of eco-friendly Ganapati in which students in the neighbouring schools participated in large numbers.

Aetron has entered into an MoU with the College in taking up collaborative research programmes and consultation services based on the jointly created research facility for a period of five years. It is agreed through this MoU that **Elphinstone College** will make use of its own research strength along with the services and experiences of **Aetron** for the development of High Performance Thin Layer Chromatography (HPTLC) instrumentation facility. The MoU has resulted in workshops held in the College for the benefit of researchers. It is important to note that Mr. Avinash Chaubal, Proprietor Aetron, is an alumnus of the College.

An MoU with Roongta Corporate Services Pvt. Ltd. aims at conducting workshops for students and staff on financial education and personal investment planning, besides arranging students' visits to Bombay Stock Exchange and exposing them to functioning of BSE and advising them appropriately about the choice of courses in this field. A periodic review of the collaborative efforts is expected to enhance of areas of joint efforts in future, which may include carrying out financial awareness campaigns in mofussil areas in Mumbai with the help of trained students.

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.

The MoU with Aetron has enhanced the infrastructure required for research in life sciences and Chemistry. MoU with Rounqta Corporate Services Ltd has expanded the avenues available for future career of students and collaboration with WWF helps in enriching knowledge of students.

The college is an academic-industry partner with Wipro Ltd. as a result of which in 2014-15 ten students, and in 2015-16 twenty five students were placed at Wipro ltd. A similar collaboration with Infosys Ltd. has also resulted in successful placements.

College has begun two courses to add knowledge and enhance employability of the students. These include: i. Industrial Chemistry course run by the department of Chemistry and ii. Remote Sensing & GIS run by the Department of Geography

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

Year	Event	Participants
2011-12	National Symposium	1. Dr Sharmila Bapat Scientist D National Center for cell sciences, Pune 2. Dr Prashant Khadke Application Support Scientist, Applied Biosystem, Life Technologies, South Asia 3. Dr U D Deshpande Sr. Scientist, Bioinformatics, Bharti Vidyapeeth, Pune 4. Dr Vishwas Kulkarni Sr. Scientist, Center for Nanobiosciences, Agharkar Research Institute, Pune 5. Dr. H D Sarma Sr. Scientist, BARC, Mumbai 6. Dr K M Paknikar Sr. Scientist, Agharkar Research Institute, Pune
2012-13	National Symposium Modern research trends and Applications in Life- Sciences	1. Dr Dhananjay Sarnath Professor Emeritus, School of science, NMIMS, Mumbai 2. Dr Yogesh Shouche Microbial Culture Collection, National Center for Science, Pune 3. Dr P K Dhakephalkar Agharkar Reaesrch Institute, Pune 4. Dr Deepali Nimbalkar, Scientist and Head Depart. Of Environmental Sciences, Vasantdada Sugar Inst. Pune 5. Dr Savita Kulkarni, Head, Molecular Immunology and Radiation Medicine Center, BARC, Mumbai 6. Dr N Ganesh Head and Sr Scientist Dept of Research J. Neharu Cancer Hospital and research Center, Bhopal 7. Dr A D Raut, Geneombio Technologies Pvt. Ltd. Pune 8. G D Khedekar, Paul Hebert Center for DNA Barcoding and Biodiversity Studies Pune 9. Dr Prashant Khadke, Application Support Scientist, Applied Biosystem, Life Technologies, South Asia.
2012-13	UGC	1. Dr. Vijay Marulkar, Department of Sociology,

	sponsored Two day National Seminar on Qualitative and Quantitative Research Methods and data collection skills	<p>SNDT University, Mumbai.</p> <p>2. Dr. Jagdish Mehta, Head, Department of Sociology, DAV college Chandigarh.</p> <p>3. Dr. B.V. Bhasale, Professor, Department of Sociology, Mumbai University.</p> <p>4. Dr. Geeta Chaddha, Department of Sociology, Mumbai University.</p> <p>5. Prof. Kanaklata Samel, Department of Sociology, Kelkar College, Mulund, Mumbai.</p>
2013-14	Two day national conference Frontiers in the Field of Science, Technology and Sustainability	<ol style="list-style-type: none"> 1. Prof Chaphekar Ex –Professor, Institute of science, Mumbai. 2. Dr. Jacinta D`Souza, UMDAE-CEBS, Mumbai 3. Dr Abhijeet Naik 4. Dr D D Bharsagade, Professor, Department of Zoology, RTM Nagpur University 5. Dr Shitole, SNDT, Mumbai 6. Dr Archana Patankar, Somaiyya Institute of Management, Mumbai 7. Dr Vinay Deshmukh, CMFRI, Mumbai 8. Dr Ramanna, Department of Chemistry University of Mumbai 9. Dr Kakoli Bose, ACTREC, Mumbai 10. Dr Sanjay Patil, MRSAC, PUNE
2013-14	National Workshop on Application of Remote Sensing Technology and Geographical Information System in Disaster Management	<ol style="list-style-type: none"> 1. Dr. A. S. Jadhav, Professor, Dept of Geography and Co-ordinator, University Centre for Geo-Informatics, University of Mumbai. 2. Dr. (Mrs.) G.V.Rao, Associate Professor in Geology & Hon. Director, Centre for Remote Sensing & GIS, K.J.Somaiya College of Science and Commerce, Vidyavihar, Mumbai 3. Mahesh Jagdale, GIS Engineer ESRI India, NIIT GIS Limited, Mumbai-72 4. Kiran Kandula, Product Specialist, ESRI India, NIIT GIS Limited, Mumbai-72 5. Dr. Ajay S. Deshpande, Associate Scientist, Maharashtra Remote Sensing Application Centre, (MRSAC), (Dept. of Planning, Government of Maharashtra), Nagpur-440011 6. Shri.N.Y.Apte, Dy. Director General of Meteorology (Retd) India Meteorological Department, Mumbai. 7. Dr. Sudhakar D. Pardeshi, Associate Professor, Department of Geography, University of Pune, Pune 411007 (M.S.)

2014-2015	UGC sponsored National Workshop on Green Chemistry	<ol style="list-style-type: none"> 1. Dr. M.M. Salunkhe Vice-Chancellor, YCMOU. 2. Dr. A. K. Shrivastava, Professor of Analytical Chemistry, Department of Chemistry, University of Mumbai. 3. Dr. R. S. Yamgar, Associate Professor, Department of Chemistry, S.S. and L.S. Patkar College, Mumbai
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Besides this, there were various other workshops, through which eminent academicians visited the institution. The details of which are as under:

Name	Event	Topic	Department	Year
Ms. Shilpa Chhedha	Workshop	Sources of history.	History	6-7 Feb, 2012
Dr. Kranti Raimane	Workshop	Gender Sensitisation	Women development Cell	1 Sept, 2012
Dr. Rajendra Lokhande	Workshop	Disaster Management	Sociology	23, 24 Feb, 2012
Prof. Satish Pandit	National Workshop	MINITAB and Research methodology	Dept. of Statistics	29 th and 30 th November, 2012
Prof. Satish Pandit	National Workshop	SPSS and Statistical Analysis Skills in Social Sciences	Dept. of Sociology	29 th March 2014
Prof. Patricia D'Souza	National Workshop	SPSS and Statistical Analysis Skills in Social Sciences	Dept. of Sociology	29 th March 2014
Dr. Nirupam Vajpayee	Guest Lecture	Millennium Development	Economics	2010
Dr. A. L. Sharada	Guest Lecture	Gender issue	Women Development Cell	9 Dec, 2011
Dr. Chhaya Datar	Guest Lecture	Challenges for the women's movement in India	Women development Cell	13 Dec, 2010
Dr. S. Gouda	Guest Lecture	How to obtain patent for your research work.	Jamshedji Tata Science Association	2009-10
Dr. Vibhuti Patel	Guest Lecture	Legal rights of Women	Women Development Cell	2009-10
Dr. Anurupa Mahitra	Guest Lecture	Biotechnology in health and Diseases-Recent Advances	Jamshedji Tata Science Association	2010-11
Shri. Ravindra	Guest	Jambhekar:Vyakti	Marathi	28 Feb, 2012

Bedakehal	Lecture	aaniKaarya		
Ms. Sangita Das	Guest lecture	Role of RBI	Economics department	5 August, 2012
Dr. Rupali Hire	Guest lecture	Bioinformatics	Microbiology	February 2009
Shri. Nikhil Gadhewal	Guest lecture	Bioinformatics	Microbiology	February 2009
Shri. Mahesh Jagtap	Guest lecture	Techniques in Molecular Biology	Microbiology	February 2012
Shri. Anil Ranglani	Guest lecture	Composting	Microbiology	August 2012
Shri. Mandar Karkhanis	Guest lecture	Impact of environment and food habits on human health	Microbiology	August 2012
Ms. Yogita Birje	Guest lecture	Hands on training in GEL ELECTROPHORESIS	Microbiology	June 2013
Shri. Mahesh Jagtap	Guest lecture	Techniques in Molecular Biology	Microbiology	February 2014
Ms Aachal Gupta	Guest lecture	Sterilization-Applications in Industries	Microbiology	December 2015
Smt. Rupa Kulkarni	Guest lecture	Dr. Babasaheb Ambedkar yanche Jeevan- Kaarya	Marathi	9 February 2010
Hon. Justice S.C. Dharmadhikari	Guest lecture	60 years of Indian Constitution	Marathi	8 th January 2011
Hon. Justice B.J. Kolse Patil	Guest lecture	Bhartiya Samvidhan aani tyachi amalajvni	Marathi	12 th January 2012
Shri Ratnakar Yashwant Gaikwad	Guest lecture	Ambedkarian thoughts	Marathi	2 nd February 2013
Dr. Bhalchandra Mungekar	Guest lecture	Inclusive financial Deveopment	Marathi	20 th January 2014
Shri. Madhukar Bhawe	Guest lecture	Yashwantrao Chavan Maharashtra Suvarna Paan	Marathi	February 2013
Dr. Sadanand More	Guest lecture	Lokmanya: Eak Yug Purush	Marathi	February 2013
Shri. Ashok Chausalkar	Guest lecture	Lokmanya aani Tyanche Lokuttar kaarya	Marathi	February 2014
Dr. M.M. Sagdeo	Guest Lecture	Use of R-Programming	Statistics	3 rd August 2013

Dr. M.M. Sagdeo	Guest lecture	Misuse of Statistics	Statistics	19 th September 2014
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3.7.5 How many of the linkages/collaborations have actually resulted in formal MoU's and agreements? List out the activities and beneficiaries and cite examples (if any) of the established linkages that enhanced and/or facilitated –

Efforts taken by the college to forge collaborations has resulted into two MoU's. The MoU with AETRON has helped college to successfully arrange hands-on training workshop for students every year. Students and Faculty from Biotechnology, Chemistry and Botany departments were benefited the most during this training programme. The other MoU with Roongta Corporates Services Pvt. Ltd gave an opportunity to students and staff members to understand the functioning of BSE as well as to plan for their personal investments.

3.7.6 Detail on the systemic efforts of the institution in planning, establishing and implementing the initiatives of the linkages/collaborations.

The College is located in the midst of various renowned institutions. These can be tapped to build collaborations. Besides, the alumnus of the College is a rich source for potential links. Two collaborations have been worked out by the College using these strengths.

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?

Availability of adequate infrastructure is a prerequisite for effective teaching, learning and research. The college is striving to achieve excellence in teaching and learning through creation and enhancement of infrastructure. The LAC and IQAC of the college, based on the requirements of various departments, plans and monitors the development of infrastructural facilities. Proposals for creation and enhancement of infrastructure are prepared by the DPC and UGC Committees and grants are received from different sources like DPC, UGC, and State Plan.

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.)

(i) Curricular activities-

There are 22 class rooms for engaging lectures, 6 Science Laboratories for conducting practical's, 3 Computer Labs, Centralized Research Laboratory, Language Lab, Music Lab, Computer Lab for Statistics Department, oldest Library, well-equipped Conference Room /seminar hall, HEPSN facility, internet and LCD projectors, specialized facilities and equipments for teaching, learning and research, spacious staff common room, department rooms and cabins, etc.

(ii) Co-curricular activities-

Co-curricular activities such as Debating, Quiz, Writing Talent, Group Discussion, Competitions, Talent Hunt, and other co-curricular activities are important for students personality development. College has a multipurpose Hall for conducting programmes of co-curricular activities, various competitions, and indoor games.

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.)

An extra-curricular activity like NSS is available in the college for students. College is not having NCC Cell. However, students from our college join NCC centre's in other colleges. Sports facilities are provided by the Gymkhana Department. Indoor games like Chess, Carrom, Table-Tennis, and Badminton are held in the college auditorium. Outdoor games like Cricket, Football, Volleyball, Basketball, Kabbadi, etc. are played at Oval ground, YMCA Gymkhana, University ground, Sachivalaya Gymkhana and college Quadrangle. College is having a well-equipped gymnasium and teaching, non-teaching and students regularly make the use of this facility.

College has an auditorium in which extra-curricular activities such as cultural programmes, public speaking, communication skill development, and other extra-curricular activities are conducted for the benefits of students. Yoga classes are arranged every year for teaching and non-teaching female staff and girl students. The Gymkhana department has first-aid facility. The whole college campus is cleaned twice a day by the house keeping department which is outsourced. Vending machine is installed in ladies washroom. Health check-up camps are also held regularly.

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).

The College strives to create, develop and augment infrastructure and other necessary facilities in order to keep pace with academic progress, by ensuring that the existing infrastructure is sufficient and is optimally utilized. For this purpose fresh proposals are solicited from all the departments, library, gymkhana and the office for purchasing machinery and equipments. The infrastructural facilities created and developed and the amount spent thereof by the Institution since 2008-09 is given below:

(A) Expenditure Incurred from DPC and State Plan

(Amount in Rs. Lakhs)

Sr. No.	Head of Expenditure	2008-2009		2009-2010		2010-2011		2011-2012		2012-2013		2013-2014		2014-2015	
		D P C	State Plan	DPC	State Plan	DP C	State Plan								
1	Construction and Renovation of Labs	89.74	139.0	74.38	51.81	-	22.17	-	14.68	-	0.94	Nil	1.00	5.97	--
2	Machinery and Equipments	29.36	-	85.29	-	35.97	67.27	58.19	9.67	50.0	10.0	48.42	12.33	--	4.11
3	Computers, Laptops, LCD Projectors, Xerox Machines, etc.	-	-	-	-	-	-	-	9.67	-	10.0	11.27	--	--	--
	Total:	119.10	139.0	159.67	51.81	35.97	89.34	58.19	34.02	50.0	20.94	59.69	13.33	5.97	4.11

(b) Expenditure Incurred on Equipments, Computers, Fax, Xerox Machine, Internet ,Software, Printers, LCD Projectors, etc from UGC Grants since 2007-08 is given below.

Sr. No	Name of the UGC Scheme	Grants Received (XI Plan)	XI PLAN						Grant Received (XII Plan)	Expenditure 2013-14
			Expenditure							
			2007-2008	2008-2009	2009-2010	2010-2011	2011-2012	Total		
1	Development Grants	1580000	175927		91520	149932	1160618	1577997	680000	--
2	Additional Grants	2070000	-	-	-	1064969	1005031	2070000	--	--
3	UGC- Network Resource Centre	261000	-	-	-	237233	8474	245707	--	--
4	Equal Opportunity Centre	165000	-	-	-	68,132	87,115	155247	68750	37500
5	Remedial Coaching for SC/ST/OBC	300000	-	-	-	174547	125000	299547	375000	38750
6	Coaching for Entry in Services for SC/ST/OBC	300000	-	-	-	230922	61198	292120	375000	108315
7	HEPSN	450000	-	-	-	442075	7925	450000	--	--
8	Career and Counseling Cell	120000	-	-	-	124147	-	124147	--	--
	Total:	4401000	175927	-	91520	2423825	1689605	4380877	818750	184565

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

There are blind and differently-able students in the college. College provides accommodation in the Government hostels to these students on priority basis. The UGC-HEPSN scheme has been introduced for differently-able students. Tape recorder and record player are provided to them. Readers and Writers are also provided to them as and when required. Separate arrangement is made to hear the recorded material. The college has purchased special type of computers, software, book reader, special equipments and other materials for blind and

dyslexia/slow learner students for which a grant of Rs. 4.42 Lakhs is received under the HEPSN Scheme of the UGC. Ramp facility is provided for these students. Further, two lifts are also available for these students.

4.1.5 Give details on the residential facility and various provisions available within them:

- Hostel Facility – Accommodation available
- Recreational facilities, gymnasium, yoga center, etc.
- Computer facility including access to internet in hostel
- Facilities for medical emergencies
- Library facility in the hostels
- Internet and Wi-Fi facility
- Recreational facility-common room with audio-visual equipments
- Available residential facility for the staff and occupancy Constant supply of safe drinking water
- Security.

Residential facility is provided for both the boys and girls students in Government Colleges Boys Hostel and Telang Memorial Girls Hostel located at Churchgate, Mumbai respectively. These hostels are run by the Government of Maharashtra in which 50 seats for boys and 50 seats for girl students of this college are reserved. Recreational facility like common room with audio-visual equipments, news papers and magazines, and modern gymnasium facilities are available in the hostel.

Library, study room and computer lab with internet facility has been provided. One medical officer on honorary basis has been appointed for medical emergencies. Twenty four hours security is provided in the hostel by appointing security guards on contractual basis. The government has provided residential facility to teaching and non-teaching staff at different places in Mumbai.

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?

Health and Hygiene (Health Care centre, Ambulance, Nurse, Qualified Doctor) (full time/ part time etc.)

The college has made available First Aid Facility to students and staff on the campus in Gymkhana Department. Health check-up camps are arranged for both the students and college staff. Government Hostels have First Aid Facility as well as honorary doctors are appointed for

hostel students. Free medical and surgical facility is available for teaching and non-teaching staff in government run hospitals.

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, Counselling and Career Guidance, Placement Unit, Health Centre, Canteen, recreational spaces for staff and students, safe drinking water facility, auditorium, etc.)

The IQAC, Grievance Redressal unit, Women’s Cell, Counseling and Career Guidance, Placement Unit, First Aid , Canteen, recreational spaces for staff and students, safe drinking water facility, auditorium are the common facilities available on the campus for the staff and students. Other common facilities available in the college are staff common room, girls common room, common room for students, telephone facility, intercom, internet, gymnasium.

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 comprising Principal, Convener, four teachers and librarian as members.

The major responsibilities of the committee are:

1. Preparation of proposals and annual budget to purchase books, furniture, Computers, cupboards etc.
2. Creation of necessary infrastructural facilities in the library.
3. Purchasing of books, journals, furniture, etc. from college grants
4. Creation of database, computerization and digitalization of library, e-library facility, e-journal, etc.
5. Provision of reading room and to solve problems of students.

In order to make issuing/ returning/ inventorying of books easy the committee has advised implementation of bar coding and RFID facility. Thin Client Computer terminals have been installed to allow students to browse the web for information. Reprographic facilities have been established in the library.

4.2.2 Provide details of the following:

- Total area of the library (in Sq. Mts.)- 529.25 sq. mt.

- Total seating capacity- 130
- Working hours (on working days, on holidays, before examination days, during examination days, during vacation)- 8:00 AM to 5:45 PM.
- **Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)**

The college library has a huge reading hall with a dedicated corner for internet browsing and access to e-resources. Computers are also installed on the mezzanine floor for the use of students. Librarian has a separate cabin, whereas one room is reserved for the college staff. Other two rooms in the library are kept for book storage and other purposes. One room is used by HEPSN Cell. Photocopy facility is available in the library.

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

1. The library ensures journals and other reading materials by obtaining the list of books and journals from every department at the beginning of the academic year. Catalogs of different national and international publishers are provided to various departments. Books are also purchased as per demands of students.
2. The required expenditure on library is earmarked in the Annual budget of the District Planning Committee (DPC) every year and the five year plan of the University Grants Commission (UGC). Reference books, journals and other books are purchased from the UGC and DPDC grants, whereas text-books are purchased out of the library fees collected from students.
3. Apart from this, University Book Bank Scheme has been introduced by the library. Under this scheme a new proposal in the prescribed format has been sent to the University of Mumbai to obtain funds.
4. The total amount spent on procuring new books, journals and e-resources during 2009-10 to 2014-15 is given below.

Library	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014	2014-15
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Holdings	Number	Total Cost										
Text books	723	2287	337	197277	1591	36080	1210	146422	751	133140	171	105060
Reference Books	20	3981	956	240255	509	40171	33	90441	11	36032	136	87790
Journals/Periodicals	08	1200	14	61605	08	12000	10	17000	5	11060	5	11060
e-resources	--	--	--	--	--	--	--	--	--	--	--	--
Any other (specify)	--	--	--	--	--	--	--	--	--	--	--	--
Total:	751	280610	1307	499137	2108	774517	1253	253863	767	180232	312	203910

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

- OPAC- **No.**
- Electronic Resource Management package for e-journals – Open access resources. – **No.**
- 1. DOAJ- Directory of Open Access Journals- **4076 journals.**
- 2. "National Library and Information Services Infrastructure for Scholarly Content (N-LIST) - **No**
- Federated searching tools to search articles in multiple databases - **No.**
- Library Website
The library does not have its own website.
- In-house/remote access to e-publications- **Yes.**
- Library automation: Installed Slim Software in the library. Bar coding of books is in progress and RFID installation has been proposed.
- Total number of computers for public access- **30**
- Total numbers of printers for public access- **02**
- Internet band width/ speed √ 2mbps 10mbps □1 (GB)
- Institutional Repository - **No**
- Content management system for e-learning- **No.**
- Participation in Resource sharing networks/consortia (like Inflibnet) – **No.**

4.2.5 Provide details on the following items:

- Average number of walk-ins : **200**
- Average number of books issued/returned: **150**
- Ratio of library books to students enrolled: **5:1**
- Average number of books added during last three years: **996**
- Average number of login to OPAC (OPAC)-**N. A.**
- Average number of login to e-resources- **N. A.**
- Average number of e-resources downloaded/printed- **N. A.**
- Number of information literacy trainings organized - **One**
- Details of “weeding out” of books and other materials – It is undertaken periodically.

4.2.6 Give details of the specialized services provided by the library

- Manuscripts – Nil
- Reference- 32,460 Reference books are available in the library.
- Reprography- Library is equipped with Xerox facility. This facility is available to students at nominal rate.
- ILL (Inter Library Loan Service)-**No.**
- Information Deployment and Notification- **No**
- Download- **Yes**
- Printing- **Yes**
- Reading list/ Bibliography compilation- **For online resources**
- In-house/remote access to e-resources- **Yes**
- User Orientation and awareness- **Yes.** Orientation lectures are organized for students/ faculty regarding use of e-journals and e- resources available with the library.
- Assistance in searching Databases- **No.**
- INFLIBNET/IUC facilities- **Yes.**

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

Library staff takes all initiatives to enrich the faculty and students about latest acquisitions. New arrivals are displayed. Faculty and students are personally informed about the new books and titles. Catalogs of various publishers are given to faculty to know and order new books. The library staff assists students and teachers in locating, issuing and returning of books.

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

A separate seating arrangement is made for the visually-and physically challenged students. Student Readers are provided to these students to read study materials. Recorder and CD player has been provided to them. A special computer and other materials have been purchased by spending Rs. 442075/- under the scheme of HEPSN under XI Plan of the UGC. Details are given below:

1. Jaw Talking Software
2. Talking type tuition software
3. Large print keyboard
4. Braille keyboard
5. PEARL instant reader
6. SARX
7. Bonita portable mouse
8. Mini Braille printer
9. Braille paper for dyslexia /slow learner
10. Wynn reader software for dyslexia/slow learner.

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

No.

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) 300 PCs are available with the institution in various departments, computer laboratories, office and library of the college. All these PCs are equipped with Windows xp/ Windows Vista operating system. Each has 300 GB of Hard Disc space and 1 GB RAM. Each PC is provided with 17 inch LCD display, optical mouse and keyboard.
- Computer-student ratio- **1: 6**
- Stand alone facility- **01 server.**
- LAN facility- **250 Nodes.**
- Licensed software- **All PCS are operating on licensed Genuine Windows Operating System.**
- Number of nodes/ computers with Internet facility- **250**
- Any other- **Wi-Fi is also installed in the campus.**

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

Internet facility is made available to the staff and students in the campus only. Library, computer laboratories, departments, office and certain classrooms are equipped with internet facility.

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

The institution is aiming at developing robust LAN based and wireless network for sharing e- resources among students and faculties. Every year PCs with latest configuration are added to the infrastructure. Depending upon the individual needs of the course or faculty specialized software programs are also procured.

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)

The college procures and upgrades its computer systems normally after 2-3 years. In case of new computers, hard-wares and soft-wares, a three year warranty and/guarantee is given by the companies and suppliers. Hence, AMC is not required. Only in case of old

computers having being used more than three years, up-gradation is required and AMC is signed with suppliers for maintenance.

Considering the rapid rate of obsolescence of computer technology, college purchases new computers through the DPC grants and State Plan and funds available through self-financed courses. This helps minimize the cost incurred on repairs and maintenance. The provision made in the annual budget for procurement, up-gradation, deployment and maintenance of the computers and their accessories in the college is given below

(Amount in Rs. Lakhs)

Sr. No.	Source of Funds	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013 - 14	2014-15
1	DPC	6.29	3.22	3.53	2.05	24.45	49.99	48.42	--
2	State Plan	---	---	---	8.44	9.67	10.0	13.33	--
3	UGC	0.44	---	---	12.09	2.02	0.32	1.70	--
4	Self-Finance Courses	12.71	0.19	17.67	0.97	3.33	0.61	43.98	--
	Total:	19.44	3.41	21.20	23.55	39.47	60.92	107.43	--

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?

Computer labs, science laboratories and some class rooms are well-equipped with ICT based tools like laptops, LCD projectors and Visual Presenters and Smart Boards to assist in teaching-learning and conducting practical. Staff is encouraged to use these facilities for their lectures and practical.

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.

Various ways through which the use of ICT is promoted includes:

- a. Preparation of Power-Point Presentations along with chalk and board method for classroom teaching.
- b. Use of Internet facility to support the teaching materials.
- c. Use of software for teaching and research purpose.
- d. Use of computers for preparing projects and assignments by the students.
- e. Power-Point facility is used by students for seminars and classroom presentations.
- f. Internet facility is available for students for downloading learning materials, for surfing, chatting, etc.
- g. IT department has come up with a E-Learning project, designed and used by the students that facilitates independent learning among students through sharing academic information.

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?

No.

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)?

a.	Building
b.	Furniture
c.	Equipment
d.	Computers
e.	Vehicles
f.	Any other

There is no specific budget allocation every year for maintenance and upkeep of the building, equipments, computers and furniture. The college prepares and submit proposals for maintenance and upkeep of the building, machinery, equipments, computers and furniture to the state governments and accordingly, government sanctions grants for this purpose in the state plan. Equipments, computers and other apparatus in the labs of the self-finance courses viz., IT and

Bio-Technology Departments are maintained and repaired from fees collected from students. Details are as follows.

(a) Building: Since the Elphinstone College is run by the Government of Maharashtra, the building is maintained by the Public Works Department (PWD). All necessary renovations and repair works are done by the PWD.

(b) Furniture: No specific budget allocation.

(c) Equipments: Expenditure incurred by the college for maintenance and upkeep of lab equipments, apparatus, copier and Xerox machine, fax machine and computers is given below.

Sr. No.	Particulars	2008-2009	2009-2010	2010-2011	2011-2012	2012-13	2013-14	2014-15
1.	Maintenance of Machinery and Equipments	48000	27520	--	120000	153000	153000	124000

(d) Computers: AMC is done,

(e) Vehicles: N.A.

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

Being the Government College, the college building and infrastructure is renovated, maintained and repaired by the PWD through the grants received from the District Planning Committee (DPC) and the State Plan. College has also received Heritage Fund amounting to Rs.5 crore from the State Government for repairs and renovations of the heritage structure of the college. Self-finance courses viz. B.Sc. IT and Bio-Technology have sufficient financial resources. Lab fees are used for maintenance of equipments and apparatus in these departments.

For maintenance and repair of computers trained staff is appointed. Furniture is repaired by the PWD. In case of office equipments like Xerox machine, copier, CCTVs, Biometric Machines, etc., Annual Maintenance Contract (AMC) is done with the suppliers. College also spent on repairs of equipments, apparatus and instruments used in science laboratories. Laboratory equipments are maintained by the Lab staff.

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

Annual Maintenance Contracts (AMC) are renewed every year for sophisticated and costly equipments and instruments. For other equipments, necessary measures are taken as and when required.

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

Annual Maintenance Contracts (AMC) are signed every year for upkeep and maintenance of sensitive equipments and instruments installed in the college.

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

The college has developed language lab and music lab which also includes collection of films. The college has a certificate course in Geographical Information System (GIS). The UGC has also sanctioned Rs. 10 Lakhs to start a career oriented add-on course in Chemistry viz., Industrial Chemistry and has already disbursed Rs. 9.0 Lakhs to the college.

CRITERION V: STUDENT SUPPORT AND PROGRESSION

5.1 Student Mentoring and Support

The college publishes the prospectus every year. It includes the history of the college, list of distinguished Alumni, list of Principals, list of faculty and mission and goals of the institution. The prospectus is also available on the College website for a wider reach. Information regarding seats available, fee structure of aided and unaided courses, rules and regulations regarding admission, attendance, library facilities, hostel facilities, student welfare schemes and details of fellowship, scholarships, prizes, and awards are also published.

The prospectus is given to students at the time of admission. The rules, regulations and the fee structure for regular, reserved category, as well as economically backward classes prescribed by Government of Maharashtra and University of Mumbai are strictly followed by the college. Seats and scholarships for reserve category and girl students are implemented as per the government regulation.

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

Students of the College can avail the free-ships and scholarships awarded by the Government. Once a notice is displayed, students can apply online for the same. These applications are then scrutinized by the District Social Welfare Officer and the amount is directly deposited in the personal bank accounts of the students in case of scholarship. The free-ship amount is deposited in the PLA account. This ensures timely and accurate disbursement of the entire amount.

The details of number of seats allotted to free-ship/scholarship over the past few year are as under:

SC Scholarships	SC Freeships	OBC Scholarships	OBC Freeships	SBC Scholarships	SBC Freeships	VJNT Scholarships	VJNT Freeships	Total
51	50	39	26	15	15	20	19	245

2008-2009

Year	Scheme	OBC	SC	SBC	VJNT
2008-2009	Scholarship	53	36	12	19
	Freeship	23	71	14	15
2009-2010	Scholarship	13	36	06	13
	Freeship	22	67	19	20
2010-2011	Scholarship	65	61	26	10
	Freeship	25	102	16	15
2011-2012	Scholarship	44	53	15	20
	Freeship	27	51	16	19
2012-2013	Scholarship	43	12	25	23
	Freeship	22	38	16	22
2013-2014	Scholarship	12	48	15	17
	Freeship	04	31	07	08
2014-2015	Scholarship	15	47	08	13
	Freeship	10	19	03	10

Various other scholarships available to the students are as under:

Class	Total No. of Scholarships	No. and name of Scholarship	Monthly value of Scholarships
FYBA	14	6 Centenary Scholarships	Rs. 40/- each
		7 College Open Merit Scholarships	Rs. 15/- each
		1 J.H.Bhabha Memorial Scholarship	Rs. 150/-
SYBA	13	2 Municipal Scholarships	Rs. 40/- each
		4 Centenary Scholarships	Rs. 40/- each
		7 College Open Merit Scholarship	Rs. 15/- each
TYBA	14	1 Tata Scholarship	Rs.50/-
		2 Municipal Scholarships	Rs. 40/- each
		4 Centenary Scholarships	Rs. 40/- each
		7 College Open Merit Scholarship	Rs. 15/- each
FY B.Sc	13	5 Centenary Scholarships	Rs. 40/- each
SY B.Sc	13	2 Municipal Scholarships	Rs. 40/- each
		4 Centenary Scholarships	Rs. 40/- each
		7 College Open Merit Scholarship	Rs. 15/- each
TY B.Sc	14	1 Tata Scholarship	Rs.50/-
		2 Municipal Scholarships	Rs.40/- each

		4 Centenary Scholarships	Rs. 40/- each
		7 College Open Merit Scholarship	Rs. 15/- each
MA/M.Sc-I	1	1 Municipal Scholarship	Rs.150/-
MA/M.Sc-II	1	1 Municipal Scholarship	Rs.150/-
PhD	1	1 Municipal Scholarship	Rs.150/-

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

As per the State government policy 52% of the students receive financial assistance. This includes those belonging to reserve categories, economically backward classes and girl students.

5.1.4 What are the specific support services/facilities available for

- Students from SC/ST, OBC and economically weaker sections
- Students with physical disabilities
- overseas students
- Students to participate in various competitions/National and International
- Medical assistance to students: health centre, health insurance etc.
- Organizing coaching classes for competitive exams
- Skill development (spoken English, computer literacy, etc.,)
- Support for “slow learners”
- Exposures of students to other institution of higher learning/ corporate/ business house etc.

Publication of student magazine

- The college provides financial aid to students hailing from under-privileged economically backward sections as per the government provisions. These students avail of a relaxation in fees. They pay Rs. 435/- per of computer fees
- ‘Earn and learn’ scheme renders financial support to the needy students besides providing work-experience.
- Students can hone their language and communication skills at language lab.
- The HEPSN Cell (Higher Education for Persons with Special Needs) of the college looks after the needs of differently-abled students. The cell has acquired state-of-the-art equipment to ensure that the learning process becomes more meaningful and enjoyable for the visually challenged students. The college has developed a team of dedicated volunteers who help such students as writers during examinations. The Cell has also acquired software for dyslexic students.

- Women Development Cell of the College has acquired vending machine for easy availability of personal hygiene wear.
- The number of overseas students is few and far between. Hostel facilities are provided to these students. They are assisted and guided by college staff whenever needed.
- Students are encouraged to participate in various competitions. Staff members are engaged in promoting a wider student participation in various inter-collegiate events. Extra guidance is given to such students, who miss out on their regular classes. They are also supported with adequate funding to carry out these activities.
- The Gymkhana Department has a well- equipped Gymnasium open from 10.00am to 5.00pm. This facility is free for all students. A medical kit for first aid is readily available in all Science laboratories and Gymkhana.
- Besides, the College has recently started Fitness Centre with the state of the art equipment, to promote physical fitness among the students.
- Every student contributes to a group insurance as per University norms.
- Many students, especially the hostel residents from outside Mumbai cherish a dream of entering into the bureaucratic cadres. Special Coaching for Competitive Exams (MPSC, UPSC) under XI Plan of UGC is provided to the students. Proficient subject experts are invited to coach and prepare the students to face the examinations.
- Most students join college with basic computer skills. The college helps to sharpen these skills. In this direction companies like Karrox, Asquire and TCS have visited the College to conduct short duration courses and training programmes. Since a large number of students belong to the vernacular medium of instruction, special coaching in spoken and written English is also provided.
- Remedial classes in every subject are conducted to support students with an unsatisfactory performance. Most departments have a 'Study circle' or co-learning practices wherein bright and outstanding students impart learning skills to the group in an informal manner. Group discussions are used enliven the classes and enable improved understanding of the subject beyond the syllabi.
- Besides, teachers are also involved in mentoring the students. Here the young minds find a friendly guide in the form of their teacher, who help them in all sorts of stresses and problems, including referring them to the counselor if needed. The students have an easy access to their mentor-teacher, which helps the teacher to

understand the dream of the learner, identify the obstacles in the way, and work as a catalyst to overcome them.

- To expose students to corporate houses and other institutions of higher learning several departments organize field trips, industrial visits, study tours, hands-on training and seminars. These help to relate classroom teaching with the real world and prepare them to face challenges after graduation.
- College publishes students' magazine, for which students contribute by way of articles, poems, experiences of student life in the magazine. Best essays written by students in various competitions are included in the College magazine. Students are also included in the Editorial board. This gives them hands –on experience of how the print media works. It is a matter of pride for the College that many of the student editors of the College magazines in the past are today reputed names in the national and international media. Besides, various societies running co-curricular activities have wall- paper boards, wherein students put up their presentations on contemporary issues.

5.1.5 Describe the efforts made by the institution to facilitate entrepreneurial skills among the students and the impact of the efforts.

Most of the students belong to middle and lower income groups. After graduation many seek employment or start their own trade. To address the need of these students workshops and seminars aiming to develop entrepreneurial skills are organized.

- Department of Botany organized workshops on 'Aromatherapy', 'Bonsai' and 'Eco-friendly Ganpati'.
- Department of Zoology organized a workshop on 'Microtomy and Staining Techniques'.
- College organized a workshop on 'Techniques in Molecular Biology & Fermentation'.
- Department of Statistics organized workshop on 'SPSS', which enables the students to understand the use of this statistical software in analyzing large quantities of data. This can help the students to work in consultancy services in the field of research and statistical analysis in projects.

- Remote Sensing and GIS has been started by the department of Geography to provide an additional career option to the students
- Departments of Economics and Commerce have organized 'Mock-Stock', a workshop on stock market functioning.

Such efforts are undertaken with a single focus of encouraging the hidden entrepreneur among the students, and provide ideas of possible career options.

5.1.6 Enumerate the policies and strategies of the institution which promote participation of students in extracurricular and co-curricular activities such as sports, games, Quiz competitions, debate and discussions, cultural activities etc.

*** additional academic support, flexibility in examinations**

*** special dietary requirements, sports uniform and materials**

*** any other**

Students are encouraged to participate in extracurricular and co-curricular activities through participation in competition within the college as well as intercollegiate events. College hosts three intercollegiate festivals. Techsar is the festival organized by IT department, gymkhana organizes Zeal, and Maharashtraotsav is the grand cultural fest showcasing the culture of the State. Students gifted in sports are given special coaching by experts and also provided space for practice under the gymkhana department. The department has also conducted a special course in cricket. Teachers lend support by providing extra guidance for lectures missed by the participating students, to ensure that the passion for sports or performing arts does not hamper academic performance of the students.

Additional examinations are conducted for those who have missed them. The Gymkhana Dept. provides sports uniforms along with required kits to players participating and representing our College. Their nutritional needs are also taken care of during the events.

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-CSIRNET, UGC-NET, SLET, ATE / CAT / GRE / TOFEL / GMAT / Central /State services, Defence, Civil Services, etc

The library is well stocked with books to guide students appearing for competitive exams like UGC-NET, CAT, TOEFL, GRE and other State and Central services. Besides, special coaching is provided to aspiring students immediately after examinations so that these classes

do not interfere with the regular academic sessions. The number of books dedicated to this section in the library is 416 with the worth of Rs. 1,50,000/-. These books are purchased as and when these courses are revised.

5.1.8 What type of counseling services are made available to the students (academic, personal, career, psycho-social etc)

The College has a Student Counseling Centre headed by a professional counselor who is available on the college premises twice/thrice a week. Students approach her with relationship issues, career problems, etc. The counseling centre also helps students to deal with examination related anxiety and time management. A 24×7 helpline is made available to students prior to the examinations to alleviate stress and prevent the incidence of suicide. Special care has been taken of a schizophrenic student. The staff and students have been sensitized about her condition in groups as well as on an individual basis.

Career Counseling is also done by all departments through orientation programmes for the fresh admissions. Here students get acquainted with their institutional environment, their subjects, course, syllabi, examination pattern and their teachers. This helps them to ease their anxiety and acclimatize them. Mentoring is carried out at department level to support academic performance of the students. The teachers maintain a friendly relationship with the students so that students feel free to share their personal and financial problems with their teachers who are always willing to guide them and offer support as best as they can.

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).

The college has a Career Guidance and Placement cell. It organizes career counseling lectures, aptitude tests to guide students and workshops to develop interview skills. Different agencies like Akademia, Career Launcher, Times of India, MET, ITHM, JET KING, NIIT, Sikkim-Manipal University have conducted seminars to create awareness about their organization and career and higher education prospects. Placement is provided as per qualification, skill and aptitude. Students are selected and placed only after their final results are declared. Career and job fairs are organized from time to time to help the students discover various options available to shape their career.

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.

Yes college does have a student grievance Redressal cell. Suggestion boxes are placed for the students to forward the suggestions or complaints which are regularly reviewed and resolved. The Principal is the chairperson of the grievance committee. She conducts routine rounds in the entire premises during the working hours of the College to identify grievances in various areas, and takes immediate action to resolve the same. Principal is easily accessible to the students and their parents alike. This helps faster and more effective resolution of disputes.

5.1.11 What are the institutional provisions for resolving issues pertaining to sexual harassment?

Anti- Sexual Harassment cell as per the 'Vishakha' norms has been set up following the Government regulations.

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?

YES. The College has anti-ragging committee. It works to sensitize and create awareness among the students by organizing lectures. The congenial and fraternal environment in the college acts as a deterrent to anti-social activities such as ragging and helps in maintaining discipline. It is worth mentioning here that there are no ragging cases.

5.1.13 Enumerate the welfare schemes made available to students by the institution.

The college has introduced various welfare schemes for the students, with a special focus to benefit the economically and socially backward as well as the physically challenged students.

These include the following:

- **Higher Education For Persons With Special Needs (HEPSN)** set up in July 2002 as part of UGC scheme to provide special assistance to disabled students to facilitate better accessibility to higher education
- **Remedial Classes:** To support poor performers particularly from socially backward classes.

- **Book bank:** College has recently applied to University of Mumbai for initiation of book bank scheme.
- **Earn and learn** scheme for students of financially weaker sections. These students help in college activities such as library record updating, assisting in gymkhana department etc.
- **Mentorship:** Wherein students receive an overall guidance from mentor-teacher.
- **Placement cell** works towards acquainting the students with industries which look out for graduate/undergraduate students through workshops. Career fairs are organized to help the students discover various options available to shape their career
- **Student Counseling** helps students deal with exam anxiety and time management. A 24×7 helpline is made available to students at the time of examinations to alleviate exam stress and prevent cases of suicide.
- **Women’s Development Cell** sensitizes the students regarding gender equity and related issues, disseminates information regarding women’s rights, techniques of self defense and addresses issues of harassment of girl students.

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?

College has a registered Alumni Association called The Elphinstonian Society. The Society has a formal meeting usually once in a year, wherein Principal acquaints the alumni regarding various aspects of the institution and puts across the mission for the future. Eminent alumnus is invited to speak on this occasion to share their inspiring memories. A result of one such event, culminated in the Centre for Excellence. Here the alumni contribute to an enriching learning experience through workshops, talks, etc. A few meritorious students with financial problems have been adopted by the alumni, who take keen interest in the development of these students. Besides the alumni have instituted scholarships, and contributed books from their personal libraries. The alumni association has organized a work shop on “Soft-Skill’ for teachers. The association plans to build a special section in the library with books authored by the eminent alumni.

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.

Student progression %

UG to PG

PG to M.Phil.

PG to Ph.D.

Employed

Campus selection

Other than campus recruitment

Commerce students choose post- graduation in large numbers. A significant percentage of students from Arts stream also choose to pursue B.Ed. course or post -graduation. Post-graduate studies is the first choice of science graduates. B.Sc. IT students take up job after graduation.

Details of student progression have been maintained at the department level.

5.2.2 Provide details of the programme wise pass percentage and completion rate for the last four years (cohort wise/batch wise 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.

The results of the College students in the recent past is placed below:

Prog-ramme	Capacity	2011-12		2012-13		2013-14		2014-15	
		A	Pass	App	P	A	P	A	P
BA	120	68	46	52	39	52	35	48	30
BSc	120	92	54	104	68	71	42	74	66
BCom	240	218	186	166	146	242	181	203	160
BSc IT	60	67	46	52	35	59	39	53	30

The results of the College compare favorably to the colleges in the vicinity. This often induces students from other Colleges to seek admission at Elphinstone College.

5.2.3 How does the institution facilitate student progression to higher level of education and/or towards employment

- To expose students to corporate houses and other institutions of higher learning several departments organize field trips, industrial visits, hands-on training workshops and seminars. These help to relate classroom teaching with the real world and prepare them to face challenges after graduation.
- The Career Guidance and Placement cell organizes career counseling lectures, aptitude tests to guide students and workshops to develop interview skills.

- Career fairs are organized to help the students discover various options available to shape their career.
- Special Coaching for Competitive Exams (MPSC, UPSC) under XI Plan of UGC has been provided to students. Proficient subject experts are invited to coach and prepare the students to face the exam

5.2.4 Enumerate the special support provided to students who are at risk of failure and drop out?

Special; support provided to students consist of the following measures

- Every department imparts remedial coaching for students with poor performance.
- Many departments have prepared E- Notes to help the students understand the manner of writing examination papers.
- Each department has library of recommended text books, question banks, and every other support material readily available to the students.
- Students, who appear to have dropped out, are usually those who prefer to take up a job to tide over the immediate financial stress. They usually reappear for examination conducted in the college at a later date, and the teaching staff supports them whole heartedly in this endeavor.
- Several departments have prepared bridge courses to cover the knowledge gap among students to facilitate better performance
- Students of vernacular medium are provided special assistance in the form of text books written in languages other than English. Also, staff offers special attention to such students by clearing their concepts in other languages.
- Question papers are made available along with Marathi translation for the Arts students following their suggestion.
-

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 college encourages its students to participate in a wide range of extra- curricular activities. Tentative calendar of these events is as under:

Sr. No.	Type of Event	Name of the Event	Month
1	Cultural	Talent Hunt	September

2	Cultural	Annual Day	December
3	Cultural	Maharashtrotsav	January
4	Sports	Zeal	December
5	Technology Display	Techtsar	December

Talent Hunt is organized to identify talented students who can then be sent to various intercollegiate festivals. Annual Day is a celebration of talent within the College. Students enjoy participating and interacting on various days celebrated in College such as, Chocolate Day, Traditional Day, friendship day, etc.

5.3.2 Furnish the details of major student achievements in co-curricular, Extracurricular and cultural activities at different levels: University / State / Zonal / National / International, etc. for the previous four years

Students are encouraged to participate in various intercollegiate activities, too. The details if which are given below:

No. of Students who Participated in Sports, Games and Other Events

Year	State/ University level	National level	International level
2010-11	07	01	01
2011-12	132	00	01
2012-13	10	08	00
2013-14	23	02	--
2014-15	98	11	00

No. of Medals/Awards Won by Students in Sports, Games and Other Events

Year	State/ University level	National level	International level
2010-11	05		--
2011-12	01	00	01
2012-13	04	04	00
2013-14	10	02	00
2014-15	02	04	00

Details of Sports Activities:

No. of Students who Participated in Cultural Events

Year	State/ University level	National level	International level
2010-11*	00	06	00

2011-12	08	00	00
2012-13	28	00	00
2013-14	127	17	17
2014-15	11	09	00

No. of medals/awards won by students in Cultural Events

Year	State/ University level	National level	International level
2010-11*	00	06	00
2011-12	07	00	00
2012-13	11	00	00
2013-14	02	00	00
2014-15	05	03	00

Other Awards and Participation:

- Research project of First year students won Second prize on “Antimicrobial activity of *Carambola* fruit extract against some pathogenic organisms” in the BIOMOSAIC-2013 in Wilson college
- **15 posters were presented by B.Sc students in National conference “Frontiers in the field of science and technology, and sustainability “14th -15th Feb 2014, Ms.SnehaSawant - T.Y.B.Sc student received the best poster award.**
- The second year B.Sc (Microbiology) students won The Sajjan Gupta- Konark Memorial Award trophy at K. C. College, in a research meet on 21st& 22nd Jan 2015 for their research project on –Antibacterial activity of thermophilic actinomycetes”

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?

Informal interactions with graduates provide valuable input to the College regarding the areas of improvements. This is gathered through informal interactions between the graduates the teaching staff and the Principal.

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

Several departments have a wall paper journals/ magazine maintained by students. It displays topics of general interest, research articles, news items etc. Literature departments such

as the Hindi department celebrate ‘Hindi Saptah’ by organizing cultural activities, workshops and competitions such as essay writing, poetry writing and reciting, article writing etc. Similarly ‘Marathi Bhasha Din’ is also celebrated by Marathi Department. This helps the students to develop their literary skills and also encourages them to contribute articles to the college magazine. College magazine is provides a medium for expression of literary talent among students.

5.3.5 Does the college have a Student Council or any similar body? Give details on its selection, constitution, activities and funding

The college has a Student’s Council called ‘HAMILL SABHA’ named after the ex-Principal of the college Prof. H. Hamill (1926). It was formed much before it was made mandatory by University of Mumbai reflecting the student centricity of the college. The electoral roll consists of academic rankers from each class, cultural secretary (selected by Cultural Committee), Sports Secretary, NSS representative, NCC representative and a Ladies Representative. One amongst them is elected as General Secretary (Students representative).

At the time of admission each student contributes to the student council fund as per University norms. This fund is utilized for the council activities. The Council holds Talent Hunt, Chocolate Day, Rose day, Traditional Day, Black and White day, Teacher’s day, Fresher’s day, College day, Maharashtra Utsav(state level), Annual Day, etc.

5.3.6 Give details of various academic and administrative bodies that have student representatives on them.

Students play a major role in academic and administrative and academic bodies by virtue of their inclusion in the Student Council.

Every department has an association with student members who play a major role in its administration and organization of its activities.

Name of Department	Name of Association
Botany	Blossom Nature Club
Commerce	Commerce Association
Economics	Planning Forum
English	English literary Association
History & Political Science	Ranade Society
Hindi	Hindi Parishad

Marathi	MaharashtraVangmayaMandal
Microbiology	SukshmaShrishti
Statistics	Statistica
All Science Departments	Jamshedji Tata Science Association

5.3.7 How does the institution network and collaborate with the Alumni and former faculty of the Institution.

The College hosts alumni meet usually once every year. The association has been running various activities including talks, workshops etc, for an enriching learning experience for the students under the Center for Excellence. The alumni have donated books from their personal libraries to the College, and have also instituted scholarships for the meritorious students. In the recent past some of the alumni have adopted such bright students with financial handicap. The College looks forward to a greater co-operation from the alumni association for improved placements of students, more workshops from eminent alumni in the area of academics, print media, and performing arts.

Any other relevant information regarding Student Support and Progression which the college would like to include:

Case Studies in Student Progression

College has nurtured many aspiring students whose dreams have manifested into reality. Among many such stories, the College is proud to share some success stories.

Pravin Singh a visually challenged student migrated from Delhi in the year 2008-09. He was accommodated in the hostel. He took keen interest in community development activities undertaken by the N.S.S. He represented HEPSN cell and lead a workshop held by the cell in collaboration with Chemistry. The cell developed significantly in a short span. Pravin graduated with Sociology, cleared a competitive entrance examination at the TISS, completed the Masters in Social Work and is presently working at Jamshedpur drawing an attractive salary.

Reshma Goregaonkar worked as a domestic help when she secured admission to the Arts stream in the year 2010-11. She availed the benefit of earn and learn scheme for financial support. Later the former principal arranged for her stay in the government hostel to facilitate more learning time. Presently she has completed post- graduation in English literature from University of Mumbai and has worked as a tutor in an affiliated college.

Ajay Salunkhe a promising student of SY.B.A. (2012-13) was about to discontinue his studies due to financial distress at home. He was put in touch with an eminent alumnus Mr. Jerry Pinto, who is also an external member of IQAC. Mr. Jerry Pinto assisted him financially and also mentored him intellectually on a regular basis, providing reference books and other articles asking him to review them periodically. Ajay Salunkhe is currently pursuing Masters in History from University of Mumbai. He is also working on a prestigious five year project with CSVS (Museum) financed by Standard Chartered bank.

A girl student who joined Arts faculty in 2011-12, was already diagnosed with schizophrenia. Facilitating her inclusion in the mainstream required collective good will, empathy and positive intervention from authority. This was made effective by the professional counselor.

Madhulika Singh changed her stream from science to arts when she joined the College in 2010-11. She had secured 58% in S.Y.J.C. Science. With sincerity hard work and proper guidance by the faculty she secured third position in B.A. examination in University of Mumbai with economics honors.

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.?

Our Vision-

Kindle the flame of learning, among the youth irrespective of socio-economic differences to consistently pursue excellence preserving the tradition of high reputation while meeting the challenges of globalised world.

Our Mission-

The College strives towards the mission of providing equal opportunity of education to all with holistic education to create a human capital which can be an asset to the nation.

Equal Opportunity of Education to all:

Following the Constitution of India, shaped by our illustrious alumnus of the College, Bharatratna Dr. Babasaheb Ambedkar, the College works to ensure that socio-economic differences in the wider society do not harm opportunity of education to any student or group of students. Various schemes run in the College reflect a focused effort towards realizing this mission. This includes:

Earn and Learn scheme: Under this scheme economically underprivileged students are given work such as helping with registering books in the library, assisting in gymkhana department etc. This helps the College to fill the manpower gap and also boosts the self-esteem of these students, increasing the sense of belonging towards the institution among them.

Mentorship: Each department has implemented mentorship in a manner that optimizes facility for the teacher and the taught without compromising with the quality of mentorship. Students enjoy a special relationship with their mentors, and are free to discuss any sort of problem with their teacher- guide- and friend. Students are also referred to the professional counselor when found necessary.

Professional counseling: College has a professional counselor who visits the College twice/trice every week. Considering the rising suicide rate among the students due to examination stress, special sessions were conducted by our counselor before the examinations especially for S.Y.J.C. Science students where the incidence of suicide is reportedly very high.

HEPSN cell: College has HEPSN cell, sponsored by the U.G.C. The cell acquired state-of-the-art equipment including software necessary to facilitate improved learning for the visually challenged and dyslexic learners. The cell has a team of dedicated volunteers, who help in writing examination papers for the visually challenged both within and outside the College.

UGC Merged Schemes: The College has accessed UGC funds to implement merged schemes for the benefit of students. These include plans such as coaching classes for entry into services, remedial coaching, provision of infrastructure ensuring easy access of ICT to the students, etc. Several students have benefitted from this effort. The feedbacks received for the same are highly encouraging.

Book Bank Scheme: College has sent proposal to the University of Mumbai to initiate book bank scheme recently. Students belonging socially and economically under privileged categories will be the targeted beneficiaries.

Holistic Education ensuring an all-round development of students.

Holistic education necessarily involves engaging students in various extra-curricular activities like NCC, NSS, Sports, culture etc. The College attempts to provide a diversity of learning experience conducted outside the regular curriculum. These activities help students gain experience in a variety of areas to enhance their abilities.

Extra-curricular activities help discover hidden talents and promote a wholesome development of youth. In this direction the College holds ‘Maharashtrotsav’, a State level youth festival showcasing the art and culture of the State of Maharashtra. This festival brings out leadership qualities and ability to work with team spirit, which helps the organizing committee, while it provides a useful platform to the young performers all over the State. Other intercollegiate festivals organized by the College include ‘**Techtsar**’, the event organized by the IT department and ‘**Zeal**’, organized by the Gymkhana department. Besides, the College supports student participation in cultural events organized outside at various levels.

The College aspires to widen the horizons of our students by taking them to field/industrial visits. This includes places of historical and cultural importance, factories and research centers, wild life sanctuaries, etc.

In a ruthlessly competitive world, sense of spirituality is essential to preserve inner tranquility and calm. The College ensures that the students and teachers are exposed to this aspect as well. This is achieved through Yoga and Stress Management workshops held regularly for teachers and students. Besides workshops on First Aid, Kinetics, Self –Defense for girls, organized by department of physical education and Women Development Cell and those on health and hygiene conducted by Department of Microbiology, short duration certificate courses run by the Department of English to boost the confidence of the students in the area of public speaking and public relations in general and ease with English language in particular for the vernacular medium students are all examples of endeavours in this direction.

6.1.2 What is the role of top management, Principal and Faculty in design and implementation of its quality policy and plans?

Top Management:

The College is run by the Government of Maharashtra. The top management is the Department of Higher and Technical Education comprising of the Hon. Minister, Hon. Minister of State, The Principal Secretary, The Joint Secretaries, The Deputy Secretary, The Director and the Joint Directors. Joint director and Director pay periodic visits to the College to ensure smooth functioning of the institution.

An important consequence of this involvement is the 27 point programme prepared by the Department of Higher Education, to streamline various operations of the Govt. Colleges and to help them to realize an incremental improvement in all spheres of functioning over a period of time. Joint consultation meetings are held at the top level along with Principal; in *Saha-Vichar Sabha* to assess the achievements of colleges based on the 27-point program, and also to determine targets for the coming academic year.

Principal shares the decisions made in a *Saha-Vichar Sabha* with the staff in a staff meeting, and chalks out a road-map with the help of the staff to realize these targets. The heads of the departments and the faculty work out further details to ensure timely fulfillment of the objectives. IQAC collaborates in this effort by facilitating an easier accomplishment through team-building.

6.1.3 What is the involvement of the leadership in ensuring:

The policy statements and action plans for fulfillment of the stated mission- Formulation of action plans for all operations and incorporation of the same into the institutional strategic plan. Interaction with stakeholders, lecturers and meetings with the officials from the government for the sake of formulation and implementation of action plan. Proper support

for policy and planning through need analysis, research inputs and consultations with the PTA members and students. Reinforcing the culture of excellence-Organizing various state and national level programmes.

Champion organizational change-

The vision and mission of the College have been aligned to the overall objective of the State of Maharashtra of achieving an inclusive growth. Various students support schemes working in College, such as Earn and Learn, Book Bank, etc are inspired by the larger dream of the State Government. Various add-on courses are the result of the need felt by the students and parents to enhance employability.

The top leadership has provided the yardstick in the form of 27 point program to measure the progress achieved by the College. The *Saha Vichar Sabhas* are used to determine the specific targets to be achieved within an academic year in terms of conferences, workshops, expert lectures, etc to be organized in the College, after reviewing the expertise in the faculty.

The Principal and the staff then put in their combined efforts to actualize these targets in such a manner that brings out the best among staff and students, producing the energy of culture of research and learning in the College.

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?

The College has chalked out a detailed road map to realize the 27 point programme prepared by the Department of higher education specifically for the govt. colleges. Some specific action plans included in this program are:

3 Member Academic Committee: This committee consisting of senior faculty members from all the streams ensures preparation of syllabus planning, as well as regular conduct of lectures

Vigilance committee is also appointed by the Principal to oversee the routine conduct of lectures.

Besides, the College has various committees, some of which are statutory in nature, while others facilitate conduct of co-curricular and extra-curricular activities. Members of the teaching staff are given charge of these committees considering their abilities and inclinations by the Principal. Students are also given appropriate representation so that they work in a manner best suited to the needs of the students, the eventual beneficiaries of this collective endeavor.

6.1.5 Give details of the academic leadership provided to the faculty by the top management?

The top management is the Department of higher and technical education of Government of Maharashtra. The joint secretary conducts *Sahavicharsabha* on a regular basis. This is a platform created for streamlining various functions of the HEIs managed by the government as well as initiating innovations to improve the functions.

6.1.6 How does the college groom leadership at various levels?

Attempts are made to foster leadership at various levels.

Student Level- The Student Council of the College is called Hamill Sabha, named after a former Principal, which came into effect much before it became mandatory for other colleges affiliated to University of Mumbai. The Hamill Sabha strives to inculcate leadership among students through democratic practices. General Secretary of the Sabha is elected by the student representatives from N.C.C., N.S.S., Gymkhana, Women Development Cell, Cultural Society, and various class representatives, who are the merit holders in their respective classes. The General Secretary takes up prominent role in the conduct of co-curricular and extra-curricular activities of the college.

Faculty level- The senior most member of each department is given the responsibility of heading the department to gain from the longer and richer experience of the person. Together with the members of the staff in the department, he/she prepare calendar of activities to be held by the department. Members of the staff are given charge of various statutory and other committees. Similarly the staff is allowed to work as government nominees for various programmes/examinations/interviews/meetings etc. Some of the staff members also work as visiting lectures to other institutions, rectors of Government Hostel etc.

Principal level: The principal is the Drawing and Disbursing Officer (D.D.O.) of the institution. The Principal represents the college for various government meetings/University meetings, court hearings and is by default the President for all college functions.

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?

Head of a department is usually the senior most staff member of a given department. This helps the department to gain by their experience. Members of the teaching staff are also given added responsibilities of managing various committees along with a student representative

nominated by them. Besides, heads of departments prepare proposals for conducting workshops, seminars, etc. in consultation with all the members. Once endorsed by the IQAC, they are forwarded by the Principal to the appropriate agencies for funding. Similarly, research proposals put forward by the members of the staff are sent to the research committee for scrutiny and endorsement before sent to the appropriate agencies.

6.1.8 Does the college promote a culture of participative management? If ‘yes’, indicate the levels of participative management.

College promotes participative management in various ways.

They include:

- **Local Advisory Committee:**

As per the Maharashtra Universities Act 1994, local advisory committee is formed consisting of (1) Joint Director as Hon. Member of the committee, representing the Director of Higher Education, (2) Three persons representing civil society nominated by the Director, (3) Three teachers elected by the teaching staff of the College, (4) One elected member from the non-teaching staff, (5) Principal as the member Secretary. This is a platform to ensure participative management.

- **Committees for Co-Curricular and other Activities:**

The college has different cells and committees with teacher and student representatives. This includes Canteen Committee, Library Committee, Discipline Committee, besides committees looking after co-curricular and extra-curricular activities. These provide a platform to undertake activities in a participatory manner in the interest of the institution.

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 members of the IQAC in consultation of Principal have arrived at the quality policy of the College, which is:

As an institution of higher education administered by the Government of Maharashtra, Elphinstone College is committed to the principle of Social Inclusion, ensuring equal opportunity to all the students irrespective of their socio-economic background and gender, providing quality education in a ragging-free learning environment for a holistic development of personality of the students to actualize their potential through sustained efforts.

The College has a commitment towards the parents of the students, the potential employers as well as toward the wider society to build human capital that can be a valuable asset to the nation, and contribute to its collective endeavor of emerging as a global leader.

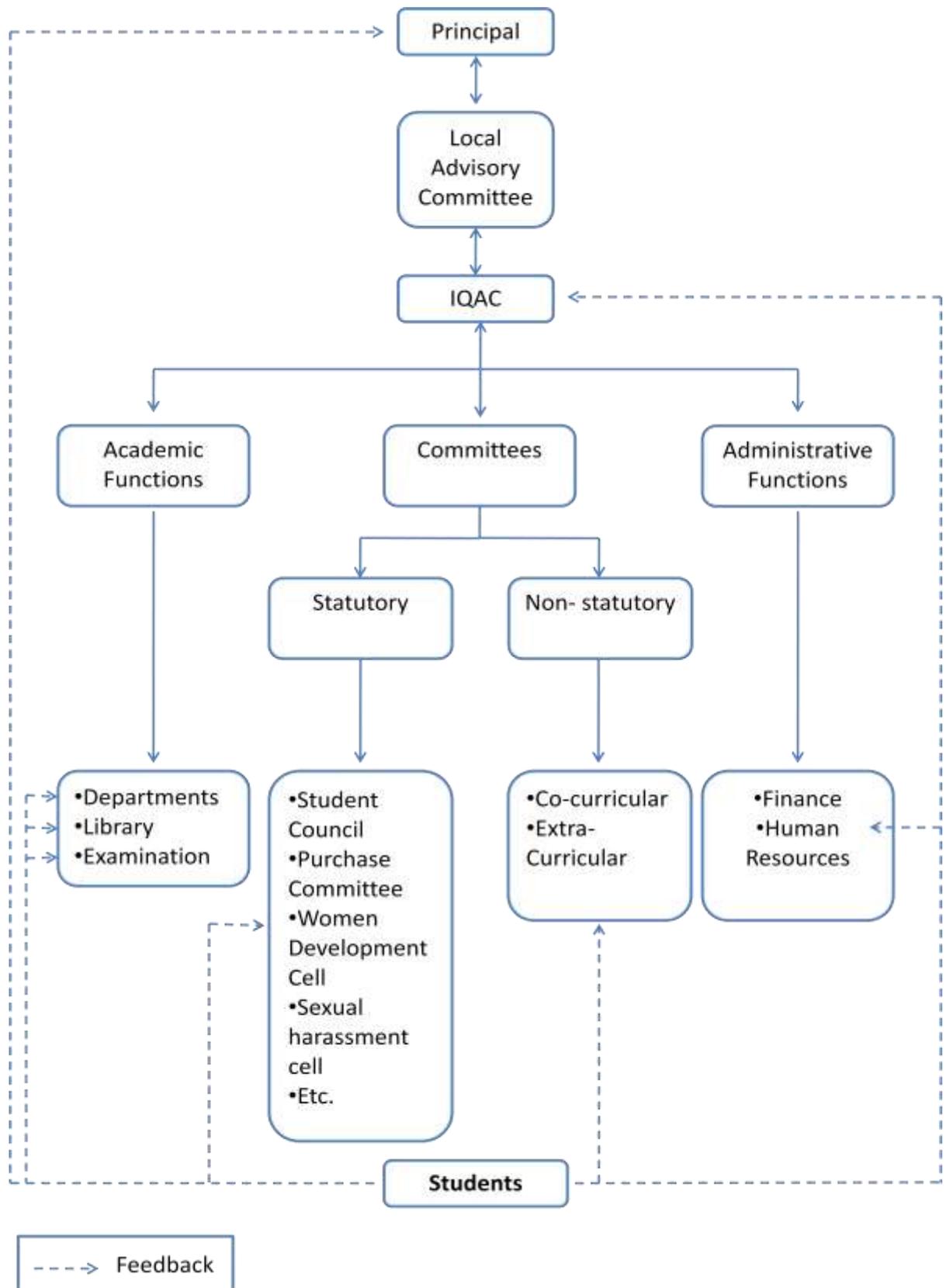
6.2.2 Does the Institute have a perspective plan for development? If so, give the aspects considered for inclusion in the plan.

The department of Higher and Technical Education has set the target to consistently upgrade the quality of higher education institutions managed by the government of Maharashtra, and the perspective plan of the College is closely aligned to the same. Important aspects covered by the plan are:

- Updating infrastructure to enhance the library facilities
- Install facility of video conferencing to pave way for global interactions.
- Institute facilities to promote physical and mental fitness among students and staff.

6.2.3 Describe the internal organizational structure and decision making processes.

The principal is the overall in charge of the college under whom the teaching and the non teaching staff works. The flow chart of the decision making is displayed below



6.2.4 Give a broad description of the quality improvement strategies of the institution for each of the following

Teaching & Learning:

College has arranged several workshops over the years through IQAC on effective teaching, soft-skills, etc for teachers. Besides students are encouraged to participate in research activities, prepare wall papers elucidating various aspects of the subject, and attend industrial and field visits for a direct exposure and experience.

Research & Development:

College has developed a central research facility for the science departments. This laboratory includes highly sophisticated instruments like Flash Chromatography, HPLC, HPTLC, PCR etc. Workshops on research methodology have been organized by the College to reorient the teachers towards research. Workshops on software by experts have also been organized to update their knowledge on quantitative techniques. Principal consistently urges and encourages the staff members to take up major or minor research activity. All the information regarding preparing research proposals, conducting workshops/seminars/ symposia etc. and the source of funding etc., is available with the research committee. The Committee also maintains information about scholarships in foreign countries, for the benefit of the faculty.

IQAC has conducted interactive sessions on academic writing, and other related topics, to continuously engage the faculty in research activity. Eminent research faculty from various organisations have been invited to deliver lectures on research in various streams. The faculty is encouraged to visit top research laboratories and institutions in order to get familiar with the latest in the field of research. College has regularly conducted national level workshops and symposia to maintain the ethos of learning and scientific inquiry. Five faculty members have obtained leave under Faculty Development Program to pursue their doctoral work in the recent past.

Community engagement:

The NSS wing of the College is actively engaged in extension activities. Various endeavours undertaken by N.S.S. including adoption of a village near Pali in Thane district, support the community while nurturing duty-conscious and empathetic citizenship among the students. College has conducted Thalassaemia testing of students and staff members. Department of Biotechnology undertook various projects on water pollution. The department of Botany

conducted a workshop on making eco-friendly Ganesha idols for the students of the college as well as students from the close vicinity. College regularly conducts blood donation camps.

Human resource management:

The top management initiates transfer on regular basis. There are drives of regular recruitments as per need by Maharashtra Public Service Commission (MPSC).

Industry interaction:

Departments organise regular visits to the industries for the students in order to give them the feel of the working of it. Similarly various industries conduct campus interviews for the students. Eminent personalities from the industries are invited by the institution to deliver lectures to the students.

6.2.5 How does the Head of the institution ensure that adequate information (from feedback and personal contacts etc.) is available for the top management and the stakeholders, to review the activities of the institution?

The Department of Higher and Technical Education has all the relevant information regarding the permanent employees, since their recruitment is done through MPSC. Student feedbacks are taken for the entire staff including those engaged on contract or clock hour basis. This information is shared with the hierarchy of decision makers beginning with the Joint Director from time to time. The basic information of every staff member is available on the College website.

6.2.6 How does the management encourage and support involvement of the staff in improving the effectiveness and efficiency of the institutional processes?

27 point program has been prepared by the Department of Higher and Technical Education, Government of Maharashtra to ensure improvement in various functional areas of higher education institutions run by the government. Effective implementation of this program is ensured through Saha Vichar Sabhas.

6.2.7 Enumerate the resolutions made by the Management Council in the last year and the status of implementation of such resolutions.

Department of Higher and Technical education manages the affairs of the College. 27 point Programme and 52 point programme drawn by this department form important resolutions in the recent past, which are effectively implemented by the college.

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 University of Mumbai does have a provision for according the status of autonomy to an affiliated institution. The college has not applied for autonomy to the University of Mumbai.

However, it is proposed that four renowned institutions from South Mumbai run by Government of Maharashtra, including Elphinstone College, would come together to form a cluster university under RUSA (Rashtriya Uchhatar Shiksha Abhiyaan). This is a golden opportunity for the College to take a leap forward in the field of education through academic autonomy. It will enable the College to design and run courses that will be of much value to the students and to the society at large.

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 stakeholder relationship?

Grievances from students are accessed through suggestion boxes placed on the premises. Grievances of the teaching and non-teaching staff are addressed to the Principal in writing. Those that need to be resolved by higher authorities are forwarded by the Principal with appropriate remarks.

6.2.10 During the last four years, had there been any instances of court cases filed by and against the institute? Provide details on the issues and of the courts on these?

The details of Court cases are as follows:

SrNo.	Appeal No And Court	Name of the Petitioner	Prayer	Affidavit Filed on	Present Status
1	713/2011, in The MAT, Mumbai	Smt. Manjiri Kulkarni V/s Govt. Of Maharashtra	Payment of arrears and Seeking part-time permanency	29/11/2011	Case decided in favour of Government
2	533/2011 in The MAT, Mumbai	Mrs Jaya Pawar V/s Govt. Of Maharashtra	Placement in senior and selection grades	16/9/2011	Court has instructed Govt. to constitute a committee to review the matter.
3	4093/2011, Writ Petition in High Court, Mumbai	Dr. Swati Wavhal, V/S Govt. of Maharashtra	Recovery of HRA	7/4/2011	Case decided in favour of Government HRA has been recovered.

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?

A systematic student feedback is taken for functioning of college office, library, gymkhana and laboratories. This is valuable for customizing the services and improving the functioning in these 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?

Members of the teaching staff are given opportunities to flourish in their careers as academicians. This includes:

- Sending them for refresher/ orientation/soft skill programs.
- Facilitating FIP under UGC scheme/ Study Leave from Government of Maharashtra to complete their doctoral work.

- Encouraging the staff to undertake major/minor research work sponsored by University, UGC and other funding agencies.
- Holding symposia and conferences to create an ethos conducive to research
- Allowing the faculties to interact with the wider academic circles as resource persons wherever possible.
- Proposing promotion of teaching staff from junior college to degree college.
- Encouraging the staff to represent in the board of studies/ academic council.

Besides, as government officials, members of the teaching staff are deputed to undertake various administrative functions. Some are selected in positions of decision making in the Department of Higher Education, and it is a matter of honour for the College.

As for the non-teaching staff, the College engages workshops to upgrade the skills from time to time. Staff is allowed to use the library to prepare for competitive and departmental examinations through which they may be promoted.

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?

Both teaching and non-teaching staff is sent to attend appropriate training programs conducted within and outside College by YASHADA and other institutes. Similarly faculty with an outstanding record is felicitated by the government with best teacher award. Besides, College felicitates teachers with the highest score in the students' feedback.

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 appraisal.

Standard self-appraisal forms are required to be filled by the teaching staff. This consists of list of tasks and their fulfillment by the employee, besides various parameters to gauge the abilities of the individual in institution building. Principal evaluates the employee and sends the appraisal forms to the Directorate of Higher Education in Pune for further review. Further communication in this matter takes place from the Pune office with respect to individuals with an outstanding/ less than satisfactory record.

The Government has recently taken the decision to keep the confidential reports open for all the employees. A.P.I. forms prescribed by the UGC are also filled at the end of each academic year.

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 promotions are based on the reports of performance appraisal.

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?

Various welfare schemes to which the staff can access as government employees are:

- Easy availability of loans at nominal interest for purchase of personal vehicle, computer and house.
- Government accommodation at convenient locations in Mumbai
- Refundable and non- refundable loans are given from the GPF for occasions like marriage, house restoration etc.

Besides this, the College works towards the welfare of its staff by:

- Organising Anaapaan meditation programmes
- Advance payments have been given to the non- teaching staff and teaching staff engaged on clock hour basis from time to time depending on the specifics of case.
- Availing Fitness Centre with state of the art equipment
- Setting up music library equipped with CD.s for stress management and relaxation
- Organising annual sports event for the staff
- Organising Yoga workshops
- Organising health and hygiene awareness programmes
- Conducting inter-organisation competitions for the non-teaching staff
- Organising health check-ups

6.3.6 What are the measures taken by the Institution for attracting and retaining eminent faculty?

On the recommendation of The Maharashtra Public Service Commission (MPSC), Department of Higher and Technical Education appoints the faculty. The selection procedure is tough which includes a written examination and an interview. Yet these vacancies attract talent

from across the State due to the prestige associated with the Government job, and a host of facilities that it brings, most lucrative being accommodation in a coveted locality in a metro like Mumbai.

However, the job is transferable within the State.

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?

-Budgeting

-Appointing various committees for financial management resource mobilization

-Regular Feedback from various stakeholders of education in financial management and resource mobilization

As a government college, there is a constant supervision on the funds allotted and used at the college level, by the higher authorities on various heads of accounts. This ensures full and efficient utilization of resources. Supporting documents such as the utilization certificate etc. are produced from time to time to appropriate authorities. *Sahavichar sabhas* provide a platform to share this information with the higher authorities and receive their feedback. Regular budget consisting of routine administrative expenses (consisting of salary and non-salary grants) is prepared by the office. Committees appointed to ensure mobilization of finances and other resources include: UGC committee, District Planning Committee (DPC) technical and purchase committee. IQAC contributes to this process through informal consultations.

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.

The internal audit of self-finance courses (I.T. & Bio-technology) is done the Chartered Accountant every year. Being a government institute, external audit of the College is done by the Auditor General, Government of India and the auditor of Government of Maharashtra.

The last audit for the period 1/4/2009-31/3/20115 was conducted in April 2015 by the Auditor General, Mumbai. The audit objections were regarding (i) discrepancies in the general cash book, (ii) non-reconciliation of PLA balance, (iii) Non-crediting lapsed laboratory deposits,

(iv) Insurance of Government property, (v) Structural audit of the College building. Compliance of these objections is in progress.

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.

Since the College is managed by the Government, there is no deficit budget. The funds are available through D.P.C., U.G.C grants and the State Plan.

6.4.4 Give details on the efforts made by the institution in securing additional funding and the utilization of the same (if any).

Efforts are made to access funds from alumni and local MLAs. For instance in the year 2011-12 a fitness course, Kinetex was sponsored by the local MLA Ms. Annie Shekher, through MLA funds. Besides a number of scholarships have been instituted by alumni.

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?

College has set up the IQAC. IQAC has spelt out quality policy of the College which is in line with the larger objective of the Government of Maharashtra of providing holistic education following the principle of inclusive growth. The endeavor is to manage an incremental improvement in every area of the functioning of the institution.

b. How many decisions of the IQAC have been approved by the management/authorities for implementation and how many of them were actually implemented?

Several decisions of IQAC have been implemented. These include:

1. Holding academic presentations by the staff members
2. Introducing Study Circles as a peer-mentoring method,

3. Introducing various courses to complement teaching learning process such as: bridge courses, add-on courses, skill-based courses and vocational courses.
4. Introducing LAN
5. Institutional membership of American Centre Library and BNHS
6. Involving alumni in overall enrichment of college activities
7. Introducing smart class rooms
8. Setting up of Music/ film library/language laboratory
9. Starting Fitness Centre
10. Introducing meditation for better life
11. Introducing internet facility in library
12. Availability of internet in departments
13. Offering used computers to non-teaching staff at highly economic prices
14. Upgrading the facilities at HEPSN
15. Encouraging staff to undertake research/ engage workshops to strengthen the ethos of scientific temper among the staff and students
16. Organising research meets
17. Sensitising the staff regarding counselling.

c. Does the IQAC have external members on its committee? If so, mention any significant contribution made by them.

Mr. Jerry Pinto, an alumnus of the College, an eminent personality in English literature, is one of the external members of the IQAC, who has significantly contributed to the Centre for Excellence wherein he conducted numerous workshops on arts, and contemporary social issues. He has also conducted a Soft Skill workshop for the teachers. Presently he has adopted a meritorious student who was likely to be a dropout due to financial stress.

Joint director, higher education Mumbai, pays regular visits to the College and interacts with Principal, staff as well as the students.

Dr. Munawar Ali, former Joint Director Higher Education, and professor of psychology at our College have been consulted whenever necessary.

d. How do students and alumni contribute to the effective functioning of the IQAC?

Students are co-opted in various committees such as library committee, canteen committee, gymkhana committee, WDC, besides other co-curricular committees. Their suggestions are taken up for further action.

Alumni have contributed to the quality efforts in various ways. These include:

- Some have donated their personal library to the College
- Many scholarships have been instituted by the alumni
- Eminent alumni spare time to interact with the students from time to time

e. How does the IQAC communicate and engage staff from different constituents of the institution?

The IQAC holds meetings periodically to determine the areas under consideration for quality improvement. Presentations on various relevant themes have been organized by the IQAC. This includes research activity, student ` counseling, SWOC analysis of the College, methods of mentorship, the concept of bench-marking, API and its details. Besides various workshops have also been organized by IQAC on teaching skills, soft skills, time management, stress management, yoga, Anapaana meditation, use of specific software, and many other areas of practical relevance that can improve the functional efficiency of the staff.

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 operationalization.

The 27 point program represents an integrated framework of quality assurance and it is effectively implemented in the College.

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.

Quality assurance requires planning towards a better outcome of a process and its implementation. Quality in education can be assured through thoughtful syllabus planning, its effective transaction and evaluation of the performance of the students. Teachers are competent in all these stages of the teaching learning process. Syllabus planning is done and reviewed at the department level, academic diaries are reviewed by the three-member committee, remedial courses are conducted whenever necessary and model answers are prepared for the question papers to ensure standardization of assessment. Besides, training is imparted after every up-gradation of technology in teaching administration and library. For example, office staff has been trained in using the appropriate software to update MIS.

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?

Academic audit is done through the Academic committee consisting of three senior members from three streams. This includes an assessment of academic diaries which every member of the staff is required to fill. Besides, the vigilance committee records the conduct of lectures and prepares a report on a weekly basis. This information is shared with IQAC. The principal has appointed a vigilance committee in order to oversee the functioning of the college which reports to the Principal. Every year every teaching staff has to submit the API to the Principal.

External review of academic provisions is done by the Director, Higher Education, who conducts meetings every six months with the Principals of government colleges.

6.5.5 How is the internal quality assurance mechanisms aligned with the requirements of the relevant external quality assurance agencies/regulatory authorities?

IQAC ensures that the quality endeavors are planned in a manner that harmonize with the quality goals held by the external quality assurance agencies. Various steps taken by the IQAC in this direction following the guidelines provided by the NAAC and UGC include:

- Designing add-on/ job-oriented/ short term/ value added courses
- Designing and conducting bridge courses to fill the knowledge gaps
- Conducting remedial courses to improve the performance of the students in examinations
- Running Equal Opportunity cell.

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?

Teaching learning process follows the framework shown below:

The workload is distributed before the beginning of a new semester at department level among the members, considering their expertise and inclination. They prepare an academic calendar indicating basic elements of pedagogy. The three member committee and the heads of departments ensure that the syllabi are implemented as planned. The process is periodically reviewed at department level in weekly meetings, and appropriate amendments are done to achieve the best outcome given the ability of students in a given class. Such discussions lead to a bridge course designed for the needy students, remedial coaching for low-performers, referral to counselor, workshops for advanced learners, etc.

In short, the outcome is an increasingly student –centricity of the process.

6.5.7 How does the institution communicate its quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders?

The quality policy of the College is displayed on the College website, as well as within the premises. Various schemes through which the quality policy is implemented are noted in the prospectus and College website. Besides, the beneficiaries are the best ambassadors themselves, through whose word of experience, every next batch of students becomes aware of schemes and their outcomes.

6.5.8 Give details of any five strengths, Weakness, opportunity and challenges (SWOC) of the institution.

Strengths:

1. Listed as one among the top ten colleges in Mumbai
2. Grade I Heritage Structure awarded by UNESCO
3. Government Institution
4. Eminent Location
5. Highly qualified teaching staff Selected through MPSC
6. Support by Alumni of high eminence

Weakness:

1. Space constraint
2. Difficulty in renovation due to the heritage status
3. Transferable staff
4. Noise pollution due to location in the business district of the financial capital of the country.

Opportunities:

1. Possibility of linkages with reputed institutions, in the neighbourhood of the college.
2. Involving alumni in more fruitful collaborations
3. Academic autonomy through proposed clustered university under RUSA
4. Interlibrary loan facility
5. Student exchange programme.

Challenges:

1. High institutional density
2. Effort needed to improve the performance of academically weak students / first generation learners.
3. Less drive to pursue pure sciences in the wider society.

CRITERION VII: INNOVATIONS AND BEST PRACTICES

7.1 Environment Consciousness

7.1.1 Does the Institute conduct a Green Audit of its campus and facilities?

College takes measures to promote environmental consciousness in students. Botany department engages its students and staff to manage the greenery including the collection of medicinal plants placed on the terrace of the College building.

Usage of electricity and water is done with care and caution. For instance all the water coolers are placed in corridors which are under CCTV surveillance, which ensures that water is not wasted. Appropriate sign boards are kept in washrooms to alert the student to proper use of water. Water usage for cleanliness is supervised by sanitary supervisors.

7.1.2 What are the initiatives taken by the college to make the campus eco-friendly?

- **Energy conservation**

The college building has a classic architecture with thick stone walls, very high ceiling, large windows, and spacious rooms. This provides adequate natural ventilation and maintains a pleasant temperature throughout the year.

Recently an alumnus of the College has helped out with an energy audit and has recommended use of LED bulbs for lighting along with an estimate of savings in electricity bills on implementation.

The college encourages students and staff members to use energy cautiously. All unwanted electrical appliances are switched off when not in use. It is worth mentioning that there are only eight A/C s fixed in places where it is most unavoidable namely, in Computer lab, Microbiology lab, Research lab and seminar room where the Wi-Fi server requires cooling. College uses minimum number of A.C.s in order to save electricity. In order to encourage conservation of electricity college has displayed stickers near switch boards stating **SWITCH ME OFF**. In all classes, laboratories and remaining premises of the college notices to switch off electricity have been displayed.

In addition, College has proposed replacement of fluorescent tube lights by LED tube lights. This would further reduce the consumption of electricity significantly. The proposal has been recently sanctioned by the Government.

- **Use of renewable energy**

Due to the heritage status and shortage of space in college, we have certain limitations to use renewable energy sources. However the college proposes to install solar lamps in the quadrangle.

- **Plantation**

Tree plantation helps to create an environmentally safe patch. College has a beautiful quadrangle with lush green mixed type trees and flowering plants. These provide an eco-friendly atmosphere. Besides, the college boasts of a variety of plant-life. The terrace garden of the college is home to an outstanding variety of plants including shrubs, tree species, fruit trees, and a diverse range of annual flowering plants that bloom throughout the year. More than 30 medicinal plants have been cultivated and are looked after by the department of Botany.

- **Hazardous waste management**

Microbes and chemicals used for experiments in various departments are not potentially hazardous, yet microbial cultures and containers used are heat- killed and then disposed off.

- **e-waste management**

College conducts an audit of all the equipment every three years as per the Government norms. Old computers have been written off and offered at a very low price to the College staff.

Damaged and old e-waste components are disposed off through government authorized recyclers as per guidelines.

7.2 Innovations

7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the college.

1. **3- Member academic committee-** A senior member from each faculty, Arts, Science and Commerce constitutes the 3-member committee. This committee monitors and audits 960 hours of teaching by every teacher. It has resulted in regular and timely conduct of lectures and practicals. It has also improved the quality of teaching material as lecture notes are also reviewed by this committee.

2. **Study Circle-** Teacher teaches but learning from peers can be an extremely useful and interesting experience. Sometimes it can be even a better substitute for remedial learning, as it avoids hierarchy. This has created the spirit of teaching and learning among students and has inculcated the habit of self-learning.
3. **Methodology:** - Students with better academic performance are brought in an interface with the poor performing students to impart insight on study technique, highlights of a given module as well as technique of writing examination papers. These sessions are supervised by the concerned teacher.
4. **Student's involvement in research-** A significant number of students from undergraduate courses in biotechnology, microbiology and information technology are encouraged to partake in research projects. These research projects can be a transforming experience for students as they enable joy of discovery bringing the subject alive.
5. **Mentorship of students-** Most departments engage their staff in mentorship of the students. This includes regular interactions on personal level to understand the academic, financial and emotional needs of the students. The process helps to identify students who can gain significantly from the services of the counselor. Besides, financially weak students have been given assistance in various forms. The donors include the staff, as well as alumni.
6. **Counselor-** College has a professional counselor who visits the College twice/thrice every week. She begins by delivering an introductory talk to the fresh students to spread the awareness of the need for counseling. Teachers are also provided with useful tips about identifying students who might require the help of a counselor. Special sessions are planned whenever there are students with specific conditions. Pamphlets are displayed on themes such as anger management, and time management which are of specific interest to the students. In addition, information regarding exam -related anxiety and ways to deal with it are put up on notice boards prior to examinations. Talks were also given on other related issues such as procrastination, lack of motivation and lack of concentration and study habits. A helpline is also available around examination time to help the students to cope up with the examination stress.
- **Earn and Learn Scheme-** Economically weak students are allowed to register their names under this scheme. They can earn while taking up tasks involving helping library management, gymkhana, etc.

- **CCTV**-The College is located in the business district of financial capital of the country. The area has been targeted by the terrorists in the recent past. To prevent any untoward incident of this kind or any other anti-social activity within the College premises, College has installed CCTV monitoring of the campus. It also keeps check on unauthorized entries.
- **Biometric attendance**- Attendance of teaching and non teaching staff is monitored thoroughly by this system to ensure regular availability of teachers to their students in the college.
- **Short term courses**- Most departments have designed short term courses to cater to the demands of students in such a manner that competence of the staff is optimally utilized and the prescribed syllabi are complemented. Feedback of students is used in making appropriate changes in the content and duration of these courses. Departments actively engaged in this effort are: Departments of English, Commerce, Economics, History, etc. Geography department runs a UGC sponsored certificate course on Remote sensing Technology and Geographic Information System, and Department of Chemistry has initiated a course on Industrial Chemistry.

7.3 Best Practices

7.3.1 Elaborate on any two best practices as per the annexed format which have contributed to the achievement of the Institutional Objectives and/or contributed to the Quality improvement of the core activities of the college.

Best Practice I

Title of practice: In-campus counselor

Goal:

To provide a space for working out stress and anxieties amongst the students and to facilitate conscious efforts among them towards healthy understanding of self under the guidance of a professional counselor.

The context

Youth is more prone to stresses and anxieties from various quarters. This includes parental expectations, peer pressure, self-doubt and anxiety about future, given the ruthless competition in the outside world. Counseling aims to help students with unresolved issues and conflicts, adjustment issues and an overall difficulty in coping up.

Initially the counselor had to work on building trust and rapport. Once the students started warming up to the idea of having an in-campus counselor, they started coming to counselor for the issues they faced like lack of concentration , low motivation, relationship issues, family and peer pressures and one or two severe cases of self harm, physical abuse and suicidal thoughts.

The practice

Counselor visits the College twice/thrice every week. She delivers an introductory talk to the fresh students to spread awareness of the need for counseling. Teachers are also provided with useful tips about identifying students who might require the help of a counselor. Special sessions are planned as and when the counselor comes across students with specific conditions. Pamphlets are displayed on themes such as anger management and time management which are of specific interest to the students. In addition, information regarding exam related anxiety and ways to deal with them are put up on notice boards prior to examinations. Talks are also given on other related issues such as procrastination, lack of motivation, lack of concentration and study habits. A helpline is also initiated around examination time to help the students to cope up with the examination stress.

Counselor maintains a daily register of students undergoing counseling, along with their type of issues and follow ups. Also, teachers refer students to the counselor in certain cases contributing to the process to optimize the results. Parents are also requested to participate whenever necessary.

Besides the regular sessions, the Counselor teaches relaxation techniques, and also uses audio- video clippings especially in case of group sessions.

Effective tools like testing and therapy are also used as and when required with prior permission of the student.

An annual report is submitted to the Principal at the end of the year, stating the activities undertaken by the counselor during the year and number of students attending the program.

Evidence of Success

The practice has been successfully carried out by the College for over a decade. As an evidence of success, we mention two cases that required extra attention. Timely intervention could promote positivity in these students.

CASE I

A girl student in F.Y.B.A. had been diagnosed as having symptoms of schizophrenia. Initially she was happy and adjusting well but gradually she started displaying symptoms like unnecessary giggling and inappropriate behavior with the boys. Her professors also found her behavior rather out of place hence we called the father, had a meeting and asked him to produce all the case papers so that counselor could study the case.

The problem became worse because her classmates and teachers had little knowledge about her condition. It was therefore decided to confide in the students with prior permission of the Principal and her father. Students were made aware of her mental health. The special sessions held by the counselor with the classmates educating them about the details of her condition, helped in generating empathy and care towards her in the class. A similar session was also held with the professors who needed to know how to deal with a student of such a condition.

It was decided by the Principal to let her continue her education by encouraging her to participate in college activities. Thus the College spared no effort in providing an appropriate support to a young person with such a rare condition and supported her dream to acquire higher education amidst an amicable surrounding.

CASE II

A male student, studying in S.Y.B.A., had been visiting the counselor. He had differences with his parents and was undergoing adjustment issues. He was malnourished, a smoker having major issues with an authority figure. He was tested and was found to be mildly depressive. It was evident that he was prone to self harm resulting from anger bouts. The counselor had a meeting with his uncle and parents. This was the beginning of parental involvement. Over time it was revealed that the father had also suffered severe depressive bouts in his childhood. Counselor guided the student to go for psychiatric intervention and was effectively counseled for positivity, life skills and relaxation exercises along with medication and music therapy to soothe his mind.

Problems encountered and resources required:

CASE I :

- Psychiatric medication may make the student sleepy and lethargic.
- This was the first case of its kind so it entailed a lot of explanation to comprehend it.
- There was a rampant use of the word 'MENTAL' amongst students, hence sensitizing them was vital.

More awareness programmes need to be conducted by observing 'Mental health week'. Inviting the psychiatrist to talk about various disorders would help.

CASE II:

- Meeting with both the parents could not be arranged even after the Principal had a talk with his mother.
- The student had authority issues so he defied even the professor in the college.
- Monitoring of the student's behaviour outside the college was not possible.

Counseling sessions help in identifying issues and there by solutions are possible but affiliation with a psychiatrist would keep us in touch with the student's progress.

NOTES:

The counselor mentions here with great satisfaction that the college is one of the very few colleges in Mumbai, which provides counseling facilities to the students. With many more interactive programs, we will be able to make our students more confident having a healthy self-belief.

The college professors are extremely cordial and ready to reach out to every student. They have accepted the counselor in their program whole heartedly and it helps when they identify and send the students for counseling.

Best Practice II

Title of the practice: Language Lab, Film& Music Center

Goal: To provide the students and the staff with the following facilities.

- A digital source of music to manage stress
- To make them aware of socio-political issues
- To enrich learning process by exposing students and staff to Classics in the world of cinema, theatre, and music along with display of subject-related videos based on literature, Science, and humanities.
- To provide students with technological help to enhance the language skills & communication techniques.
- To provide a computer facility for online application submission.

The context:

Music is nourishment to the soul. It's a wonderful stress-buster and rejuvenator. Music library is an interesting and an innovative step taken by Elphinstone College with its rich and varied collection covering classics, contemporary artists with westerns and regional music. There are distinct genres such as classical, instrumentals, pop, rock-n-roll, ghazals, devotional and Sufi. This library serves as a meditative place as there is a special section for spa and meditation music that helps for relaxation. The library is open to students as well as faculty members during the scheduled hours displayed on the notice board.

Effective communication is a key to successful career and improvement of language skills plays a pivotal role in the same. The music library is also used as language lab to hone the language skills by improving intonation and diction.

The Practice

Language Lab, Film & Music Center was inaugurated on 4th Dec 2012 by Hon. District collector Mr. C.V. Oak (IAS). It is used by students & staff of the college as a stress buster & a center of knowledge. It is not only used as a study center but also as an entertainment point in the college premises.

The Centre has a rich collection of select CDs & DVDs ranging from Indian to Western classical cinema, as well as vocal and instrumental music. A self-learning software has been installed in the Centre to enable students to master the diction, accent and thus fine-tune their language and communication skills.

The film & music center has collection of 300 CDs & DVDs. The Centre also has DVD player, LCD player, two big screens of 6X6 Sq.ft. & 12X6 Sq.Ft. size, 44 computers with internet facility, color, black & white printers, 2 speakers, 45 analog language lab instruments. The center is setup in room no 106 which measures 20X30 sq.ft.

This rare infrastructure is used by teachers of all the faculties to make learning easy and interesting for students. The language, film & music center is an asset to promote healthy & joyful atmosphere in the educational institution which is a must for overall development of a student.

The Center is truly a multi-purpose facility available for all the faculty and students. Language lab is used by students of all the faculties -Arts, Science & Commerce to improve communication skills & intonation. Separate timings are given to use the room as language lab., Music Lab., Film Screening., Stress Management through Meditation audios, HEPSN activities and special presentations by other departments. This facility is also used for conducting practicals, tutorial classes as per the time table.

Students are also allowed to use computers in the Centre with internet facility for online application, submission and online examination. The facility is also used by various departments such as History, Economics, Sociology, Bio-Tech, Statistics to organize workshops for students and teachers for their respective subjects. Teaching faculty also use the lab for research purposes.

Lastly, the Centre has held week long screenings of celebrated personalities such as Charlie Chaplin, Shakespeare, Tagore, etc.

Evidence of Success:

Evidence of success of this project can be measured through the following citations:

- Students from vernacular medium have improved much in their oral and communicative English with the working of language lab. To cite a few examples:

1. A student of T.Y.B.A Miss. Reshma Goregaonkar who had great difficulty in communicating in English now works as a tutor of English in a reputed college in Mumbai.
2. Miss Aruna S (a visually challenged student) is working as a communication officer at SBI Branch.

- Most of the students who spent quality time in Music/ Film Library listening to the classics, viewing and discussing the world cinema not only noticed better ability to perform in academics but also developed a lasting taste for media and turned to this career after graduation.

- A workshop on “Music for stress management” conducted by Counselor Mrs. Nanawati in Dec, 2013 was well received by staff, too.

- The Centre is also used to fill up the online applications for admissions to XI as well as to fill up examination forms for XII, MPSC and UPSC examinations. The beneficiaries have expressed their gratitude towards the institution for having provided the facility.

- The centre has also screened movies to commemorate anniversaries of personalities of national importance.

Thus the Centre, today, is a platform for the students to engage in critical analysis of cinema through workshops and group discussions. Inspired by this experience, students have even pursued film-related careers after their graduation. They attribute this choice to the activities held in the Centre which laid the seeds of an undying fascination for film studies.

These movie screenings have become instrumental in bringing positive change in students towards social issues besides developing a good taste.

Problems encountered and resources required:

The Centre was set up out of funds received from the Collector, Mumbai under the Scheme ‘*Naavinya poorna Yoajana*’ or Innovative Projects. Funds can be accessed on a one-time basis under this scheme, which creates problem of maintenance and upgrading this invaluable asset of the College. Further, the Centre needs a regular service of a technical staff, for which there is no provision under the scheme.

College will have to search for appropriate source of funds to ensure an upkeep of this facility.

The Centre will benefit greatly with sound-proofing and air-conditioning. However technical difficulties are encountered in implementing these changes as College building is a grade I heritage structure.

Notes:

It is a matter of great pride to have language, film and music centre in our college. It is a great source of teaching – learning, stress management and mature entertainment.

Teachers and students of other Mumbai colleges such as Viva College(Virar), M.D. College(Parel), I.Y. College(Jogeshwari), Kirti College(Dadar), Siddharth College(Fort), Womens College(Bhiwandi), Wilson College(Charni Road) have visited centre to avail the facility and to replicate it as a model to set labs in their respective colleges.

CONTACT DETAILS:

NAME OF THE PRINCIPAL: DR. MADHURI V. KAGALKAR

NAME OF THE INSTITUTION: ELPHINSTONE COLLEGE

CITY: MUMBAI

PINCODE: 400032

ACCREDITED STATUS: A

WORK PHONE: 022-22844060

Part C
(Evaluative reports of the departments)

DEPARTMENT OF ECONOMICS

1. Name of the department: **ECONOMICS**
2. Year of Establishment: **N.A**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : **UG B.A Economics**
4. Names of Interdisciplinary courses and the departments/units involved: **NIL**
5. Annual/ semester/choice based credit system (programme wise): **SEMESTER (CREDIT BASED GRADING SYSTEM)**
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
Professors		
Associate Professors	NIL	-
Assistant Professors	03	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. Students guided for the last 4 years
Dr. Suchita	M.A., M.Phil., Ph. D.	Associate Professor	Labour Economics	31	NIL
Dr. M.R.Gitt	M.A., M.Phil, Ph.D.	Associate Professor	Agricultural Economics	34	NIL
Dr. Kalindi	M.A., M.Phil, Ph.D.	Asst. Professor	Development Economics	34	NIL

11. List of senior visiting faculty: **NIL**
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty:**NIL**

13. Student -Teacher Ratio (programme wise) Academic Year 2014-15

Programme / Courses	Student- Teacher Ratio
FYBA	40:1
SYBA	35:3
TYBA	6:3
F.Y.B.Com.	240:2
S.Y.B.Com.	240:2
T.Y.B.Com	230:2

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: N.A.

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.:

Name	Qualification
Dr. Suchita Krishnaprasad	M.A., M.Phil., Ph. D.
Dr. M.R.Gitte	M.A., M.Phil, Ph.D.
Dr. Kalindi Jahagiradar	M.A., M.Phil, Ph.D.

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:

- Dr. Suchita Krishnaprasad is recognized as research guide at Pacific University, Rajasthan.
- Dr. Suchita Krishnaprasad is a consultant at Ambekar institute of Labour Studies, Mumbai
- Dr. Suchita Krishnaprasad has worked as a consultant and External Collaborator to ILO.
- Dr. Kalindi Jahagirdar is recognized as research guide at Dr. Babasaheb Ambedkar Marathwada University and Yeshwantrao Chavan Open University

19. Publications:

* a) Publication per faculty

1. Dr. Suchita Krishnaprasad

• **Published Papers in Journals: National:02, Interantional: 01**

• **Chapter in Books: 01**

• **Seminars, Conferences, Workshops attended: National:05, International:01**

- Full Papers in Conference proceedings: National: 02, International: 02
- Papers presented in conferences: National: 02 International: 02
- Invited as a resource person in workshops: National:03
- Invited to attend a meeting with EU Delegates to discuss the role of civil society and trade unions in the light of FTA between EU and India by G.D.Ambekar Institute, Mumbai on 15/12/2011
- **Completed project on Mapping and Assessment of Labour Administration and Social Dialogue in Maharashtra as external collaborator to ILO. The recommendations were considered in a training workshop for department of labour, Government of Maharashtra.**

2.M.R.Gitte

Research Papers presented and published in seminars/ conferences:

National level: 04

International Level: 03

Papers presented in National workshop: 01

Papers published in international Journals: 05

Other Information;

1. Member: Board of Studies, Business Economics

2. External Referee: Worked for Ph. D. and M.Phil Examinations, Pune University.

3. Chairperson: TYBA, Economics, Paper-VI.

4. Worked as a Government Nominee and Subject Expert on Selection and CAS Committees.

3. Dr. Kalindi Jahagirdar

23 Research papers presented in national/regional conferences.

- **Twelve** Papers presented in National level conferences.
- **Five** Papers presented in state level conferences.
- **Five** Papers presented in regional level conferences.
- **One** Paper presented in International conference

20.Areas of consultancy and income generated:

Dr. Suchita Krishanprasad is associated as a consultant with Ambekar Institute of Labour Studies, Mumbai

21.Faculty as members in

a)National committees b) International Committees c) Editorial Boards....

- Dr. Suchita Krishanprasad is life member of Marathi Arthvidnyan Parishad
- Dr. Suchita Krishanprasad is life member of Indian Society of Labour Economics

- Dr. Kalindi Jahagiradar is life member of Marathi Arthvidnyan Parishad
- Dr. Kalindi Jahagiradar is life member of Indian Economic Association

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 institution i.e. in Research laboratories/Industry/ other agencies: Nil

23. Awards / Recognitions received by faculty and students: NIL

24. List of eminent academicians and scientists / visitors to the department:

- Padmashri Dr. Nirupam Bajpai gave talk on : Comparative development of India and China in the academic year 2008, and on Millennium Development Goals in the academic year 2009-2010.
- Prof. Devyani Dingankar came to speak on ‘Careers in Economics’ in 2010-2011
- Ms. Sarika Raichuri, trainer MCX spoke Derivatives in Commodity Markets in India
- Dr. Chandrahas Deshpande, Economist, Maharashtra Economic Development Council addressed the students on Foreign Direct Investment in India and China in the academic year 2006-07
- Dr. K.R. Shyamsundar, and eminent labour economist spoke on Globalisation and Industrial Relations in the year 2006-07
- Mrs. Sangita Das, Director Communications, RBI spoke on ‘Role of RBI’ in August 2012-13.
- Mr. Sanjay Bahadur, from IRS addressed the students on Markets and Competitiveness in September 2013.
- Mr. Khoremand Katrak spoke on Debt Markets in India in January 2014
- ‘Mock- Stock’: an experience of stock market in simulation was conducted by trainer in Bombay Stock Exchange

25. Seminars/ Conferences/Workshops organized & the source of funding a)

National: Nil

b) International:
Nil

26. Student profile programme/course wise: This data is available at the institutional level

27. Diversity of Students This information is available at aggregate level

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? N.A

29. Student progression

Student progression	Against % enrolled
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UG to PG	50%
PG to M.Phil.	N.A.
PG to Ph.D.	N.A.
Ph.D. to Post-Doctoral	N.A.
Employed • Campus selection • Other than campus recruitment	20%
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities a) Library: Department has a library consisting of textbooks, reference books as well as periodical reviews published by RBI, which are available for both staff and students. Department has recently acquired economics text books in Marathis for the benefit of students.
- b) Internet facilities for Staff & Students. Department has computer with internet connectivity.
- c) Class rooms with ICT facility : Third year class has the ICT facility. For other classes the department can use media room for special classes.
- : d) Laboratories: N.A.
31. Number of students receiving financial assistance from college, university, government or other agencies
32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts
- Department has a tradition of producing practicing economists of remarkable reputation. They are also a source of inspiration for the present generation. They are invited to interact with the students on themes of contemporary interests including career guidance. This includes
- Padmashri Dr. Nirupam Bajpai (former economic advisor to PMO),
 - Prof. Devyani Dingankar, Sanjay Bahadur,
 - Mr Ashish Gawale, manager ICICI, who guided the students on careers in banking in April 2013,
 - Mr. Khoremand Katrak, trainer in Debt Markets and insurance
- Besides, the department holds workshop called MOCK-STIOCK under Planning Forum in the Annual fest ELPHINOMICS, where students are exposed to a simulated experience of stock market.
- Dr. Kalindi Jahagiradar also conducts workshops on gender sensitization through Women Development Cell.

33. Teaching methods adopted to improve student learning

The department encourages the students to prepare wall papers on various issues in economics, and encourages students to prepare presentations for the class, participate in intercollegiate festivals, and involve in Study Circle, a peer mentoring method wherein better performing students interact with poor performers to enhance the overall performance.

The department arranges field trips to organizations such as Bombay Stock Exchange, RBI etc. to expose students to the ground level realities.

The department conducts bridge and remedial courses for students to cope up with the knowledge gap and to improve performance in the examinations. This year the department is conducting a workshop on 'Start up Enterprises: The basic Guidelines'.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Dr. Kalindi Jahagiradar from the department conducts workshops on gender sensitization through Women Development Cell. Students of the department are actively involved in mobilizing the students in conduct of these programs.

35. SWOC analysis of the department and Future plans

STRENGTH:

- Highly qualified and dedicated staff
- Supportive alumni
- Departmental library
- Peer mentoring system
- ICT enabled class room

WEAKNESSES:

- Transferable staff
- Space constraint

OPPORTUNITIES

- Establish links with the institutions in the neighbourhood such as IMC, EXIM bank etc.
- Initiate centre for post graduate learning.

CHALLENGES:

- Many colleges in the close vicinity offering honours course in the subject.
- Introducing econometrics for better prospects for the students.
- Growing number of students coming from financially and socially weak backgrounds.

DEPARTMENT OF ENGLISH

1. Name of the Department: **ENGLISH**

2. Year of Establishment:

Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Programme / Courses	Level of Study
FYBA	UG
SYBA	UG
TYBA	UG

3. Names of Interdisciplinary courses and the departments/units involved:

NIL

4. Annual/ semester/choice based credit system (programme wise) : **Credit based semester pattern**

5. Participation of the department in the courses offered by other departments:

NIL

6. Courses in collaboration with other universities, industries, foreign institutions, etc.

NIL

7. Details of courses/programmes discontinued (if any) with reasons

NIL

8. Number of Teaching posts

	sanctioned	Filled
Professors	0	0
Associate Professors	0	0
Asst. Professors	03	02

9. 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. Students guided for the last 4 years
Savita Patil	M.A. Ph.D.,	Asst. Professor	Comparative Literature, New Literatures, Translation Studies	15 Years	NIL
Dhananjay Deolalkar (Transferred to Rajaram College, Kolhapur on 24 July 2015)	M.A. Ph.D., SET	Asst. Professor	Criticism, American Literature	20 years	NIL
Shitalkumar Gaikawad (joined on 1 st August 2015)	M.A. NET	Assistant Professor	British Literature	14 Years	NIL

10. List of senior visiting faculty:

NIL

11. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

Programme / Courses	Percentage
FYBA	48
SYBA	40
TYBA	18
FYBCOM	33

12. Student -Teacher Ratio (programme wise):

Programme / Courses	Student- Teacher Ratio
FYBA (Literature)	9:1
FYBA Communication skills in Eng.	40:1
SYBA (Literature)	2:1
SYBA Mass communication	10:1
TYBA	2:1
FYBCOM	88:1

13. Number of academic support staff (technical) and administrative staff; sanctioned and filled:

	sanctioned	Filled
Academic Support Staff (Technical)	0	0
Administrative Staff	0	0

14. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG.

Teaching Faculty	Qualification
Savita Patil	M.A., Ph.D.
Dhananjay Deolalkar	M.A., Ph.D.
Shitalkumar Gaikawad	M.A.

15. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received :

Projects	Funding Agencies	Grant Received
National	NIL	NIL
International	NIL	NIL

16. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received:

NIL

17. Research Centre /facility recognized by the University:

NIL

18. Publications:

a) Publication per faculty :

	National/ International	Book
Dr. Savita Patil	08	05
Dr. Dhananjay Deolalkar	02	
Shitalkumar Gaikawad	02	

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 institution i.e.in Research laboratories/Industry/other agencies: **NIL**

23 Awards/ Recognitions received by faculty and students: **NIL**

24 List of eminent academicians and scientists/ visitors to the department

1. **Dr. Rambhau Badode, (Professor, Dept. of English, University of Mumbai)**
2. **Mr. Satish Kakri, Nimble Foundation.**
3. **Dr. Bhagyashree Verma (Reader, Dept. Of English, University of Mumbai)**
4. **Mr. Sudhir Nandgaonkar (Secreatary, FFSI, Mumbai)**
5. **Dr. Kishan Pawar (Film and Media Expert)**
6. **Ms. Anahita Subhedar, (Founder, Primecorp, Mumbai)**
7. **Mr. Santosh Rathod (Asst. Director, IDOL, University of Mumbai)**
8. **Hon. Mr. C. V. Oak, IAS, (Collector Mumbai)**
9. **Mr. S.K. Chavan (District Planning Officer, Mumbai)**
10. **Mrs. Maithili Mukund (Head, Dept. of English, M.D. College, Parel, Mumbai)**
11. **Dr. Swati Vhaval (Director, Forensic Science, Mumbai)**
12. **Dr. Sanjay Waghmare (Principal, Arts, Commerce College, Melegaon, Latur, Maharashtra)**
13. **Dr. Mabel Fernandes (Professor, Department of English, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad)**
14. **Dr. Raj R. Rao (Professor, Department of English, Savitribai Phule Pune University, Pune)**
15. **Mr. Peter Wyte (Trinity College, Island)**

25 Seminars/ Conferences/Workshops organized & the source of funding

a) National : **01** (UGC Sponsored Two-day Conference on Recent Trends in Indian Science

Fiction and Fantasy Stories dated 10th and 11th February 2015)

b) International: **NIL**

26 Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled			Pass percentage
			*M	*F	Total	
FYBA (Literature)			18	10	28	96.43
FYBA Communication skills in Eng.			66	54	120	98.33
SYBA (Literature)			02	05	07	85.71
SYBA Mass communication			15	15	30	93.33
TYBA			-	07	07	Result awaited
FYBCOM			160	104	264	96.21

*M=Male F=Female

27 Diversity of Students

This data is available at the aggregate level

28 How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. ? **NA**

29 Student progression

Student progression	Against % enrolled
UG to PG	04
PG to M.Phil.	NA
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
Employed	06
<ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	
Entrepreneurship/Self-employment	02

30 Details of Infrastructural facilities

a) Library : 100 books in the departmental library

b) Internet facilities for Staff & Students : Four computers with internet access is available for students.

c) Class rooms with ICT facility: audio-visual facility for teaching is available in the department.

d) Laboratories:

(List of Instruments / Equipments)

Language Lab, 04 Computers, printer, LCD Projector, Laptop, 21 Student- Teacher consoles, Books, 10 Film CDs.

31 Number of students receiving financial assistance from college, university, government or other agencies:

This data is available at aggregate level.

32 Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

1) Organized a bridge course in 'Language and Literature Studies' for FYBA and SYBA English Literature students on 16th and 17th October 2015.

2) A certificate course in 'Spoken and Written English' for FYBA/BSC/BCOM students held during 08-15 October 2015.

33 Teaching methods adopted to improve student learning:

e- Learning, Self Study Methods, Presentations and seminars, Monthly tests, GD and PI

34 Participation in Institutional Social Responsibility (ISR) and Extension activities: NIL

35 SWOC analysis of the department and Future plans

Strengths:

- Well qualified and dedicated staff
- Well equipped departmental staff
- Language Laboratory

Weakness:

- Transferable staff
- Vacant Posts

Opportunities:

- Starting of PG course and research centre.

Challenges:

- In the age of Science and Technology, it is a challenge for the department to persuade the students for literature studies.

DEPARTMENT OF GEOGRAPHY

1. Name of the department : **Geography**
2. Year of Establishment : **19/06/1973**
3. Names of Programmes / Courses offered: **(U.G) B.A. Geography**
(UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)
4. Names of Interdisciplinary courses and the departments/units involved : **Nil**
5. Annual/ semester/choice based credit system (programme wise) : **Credit Based Semester System**
6. Participation of the department in the courses offered by other departments : **The teaching faculty participates in the conference/Seminar/ workshop organized by other departments.**
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 :

Teaching Faculty	sanctioned	Filled
Professors	0	0
Associate Professors	0	0
Asst. Professors	2	1

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. Students guided for the last 4 years
Dr. R. V. Hajare	M.A., M.Ed, Ph.D.	Asst. Professor	Agricultural Geography, Urban and Rural Development	19 Years	7 Students are working for Ph.D.
Swati Gorwadkar	M. A., B.Ed.	Assistant Professor (CHB)	Population Geography	02 Years	Nil
Shubhi	M.A. NET	Assistant	Physical	01 Years	Nil

Sharma		Professor (CHB)	Geography		
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11. List of senior visiting faculty: **Nil**

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

Programme / Courses	Percentage
FYBA	75
SYBA	70
TYBA	36

13. Student -Teacher Ratio (programme wise):

Programme / Courses	Student- Teacher Ratio
FYBA	1: 26
SYBA	1: 19
TYBA	1: 3

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled : **Common Administration Staff**

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/ PG.

:

Sr No.	Name of the Faculty	Degree awarded
1.	Dr. Ratan Hajare	Ph.D
2.	Swati Gorwadkar	M. A.
3.	Shubhi Sharma	M.A., NET

16. Number of faculty with ongoing projects from : **1 Sanctioned**
a) National

b) International funding agencies
and grants received

17. Departmental projects funded by DST-FIST; UGC, : **ICSSR**
DBT, ICSSR, etc. and total grants received

18. Research Centre /facility recognized by the University : **Recognized Research Guide at Shivaji University, Kolhapur – M.S.**

19. Publications:

Name	Particulars	
Dr. Ratan Hajare	Number of papers published in peer reviewed journals International / National	International : 05 National : 13
	Paper Presented	International : 03 National : 21
	Chapters in Books with ISBN/ ISSN numbers with details of publishers	01

20. Areas of consultancy and income generated : **Nil**

21. Faculty as members in a) National committees : **01**
b) International Committees c) Editorial Board

Dr. R. V. Hajare,

1. Life Member, Maharashtra Bhugool Shastra Parishad, Pune.
2. IIG- Indian Institute of Geographers - Pune
3. Deccan Geographers – Pune
4. GAG- Geographers Association of Goa.

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme : **100 per cent. FY/ SY /TYBA Students have to do a research project as a part of their curriculum.**
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies : **Nil**

23. Awards/ Recognitions received by faculty and students : **Recognized Research Guide at Shivaji University, Kolhapur.**

24. List of eminent academicians and scientists/ visitors to the department:

- i) **Dr. A. S. Jadhav**, Professor, Dept of Geography and Co-ordinator, University Centre for Geo-Informatics, University of Mumbai.
- ii) **Dr. (Mrs.) G.V.Rao**, Associate Professor in Geology & Hon. Director, Centre for Remote Sensing & GIS, K.J.Somaiya College of Science and Commerce, Vidyavihar, Mumbai
- iii) **Mahesh Jagdale**, GIS Engineer ESRI India, NIIT GIS Limited, Mumbai-72

iv) **Kiran Kandula**, Product Specialist, ESRI India, NIIT GIS Limited, Mumbai-72

v) **Dr. Ajay S. Deshpande**, Associate Scientist, Maharashtra Remote Sensing Application Centre, (MRSAC), (Dept. of Planning, Government of Maharashtra), Nagpur-440011

v) **Shri. N.Y. Apte**, Dy. Director General of Meteorology (Retd) India Meteorological Department, Mumbai.

vi) **Dr. Sudhakar D. Pardeshi**, Associate Professor, Department of Geography, University of Pune, Pune 411007 (M.S.)

25. Seminars/ Conferences/Workshops organized & the source of funding

c. National:

The Department of Geography organized a UGC sponsored National Workshop on 'Application of Remote Sensing Technology and Geographical Information System in Disaster Management' on 20th -21st September, 2013.

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			M	F	
FYBA	51	51	26	25	
SYBA	37	37	20	17	
TYBA	07	07	02	05	100

27. Diversity of Students:

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
FYBA	100 % (51 Students)	0	0
SYBA	100 (37 Students)	0	0
TYBA	100% (07 Students)	0	0

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc? : NIL

29. Student progression

Student progression	Against % enrolled
UG to PG	In 2013-14, one students have joined PG in

Student progression	Against % enrolled
	University of Mumbai
PG to M.Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed	NA
<ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	
Entrepreneurship/Self-employment	NA

30. Details of Infrastructural facilities :

a) Library : **Departmental Library (Books-60 and National Geographic Journals- 160**

b) Internet facilities for Staff & Students: **Nil**

c) Class rooms with ICT facility : **Yes, available, Computers with Arc GIS & Erdas Imagine & Gram ++ Software**

d) Laboratories :

31. Number of students receiving financial assistance from college, university, government or other agencies :

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external expert : **Remedial Courses**

33. Teaching methods adopted to improve student learning:
e- learning, Use of Information and Communication Technology (ICT), Visit to institute related to subject (Nehru Planetarium, Meteorological Department), Educational Tour, Use of GIS software

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: **Nil**

35. SWOC analysis of the department and Future plans

<p>Strength:</p> <ol style="list-style-type: none">1. Well equipped laboratory2. Use of ICT in teaching – learning process3. Rich Departmental Library4. Organization of study tour and field visit5. Certificate course ‘Remote Sensing and GIS’	<p>Weakness:</p> <ol style="list-style-type: none">1. Space constraint2. Transferable and temporary staff3. No institutional Collaboration
<p>Opportunities:</p> <ol style="list-style-type: none">1. Possibility of linkages with reputed institutions2. Consultancy using GIS software	<p>Challenges:</p> <ol style="list-style-type: none">1. PG courses initiatives2. Most of the students are coming from Vernacular medium.3. Imparting education to visually challenged in the area of practical

DEPARTMENT OF HINDI

1. Name of the department: **Department of Hindi**
2. Year of Establishment: **1945**
3. Names of Programmes / Courses offered– **U.G. B.A Hindi**
4. Names of Interdisciplinary courses and the departments/units involved- **Nil**
5. Annual/ semester/choice based credit system (programme wise)- **Choice based credit system Semester system**
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
Professors		
Associate Professors	00	00
Asst. Professors	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. Students guided for the last 4 years
Ms. Sanjyoti Sanap	M.Phil , SET	Asso. Prof	Hindi poetry	21 yrs (U.G) 04 yrs (P.G.)	Nil
Mr. Sachin Sadre (As a substitute teacher till academic year 2013-15 ,on CHB in 2015-16)	M.Phil , NET	Asst. Prof	Hindi Satire	05 (U.G.) 02 (P.G.)	Nil
Ms. Vaishali Pachunde On Clock Hour Basis in (2012-13, 2015-16)	M.Phil , NET	Asst. Prof	Hindi Katha Sahitya	03 (U.G.)	Nil
Dr. Vidya Gaikwad on Clock Hour Basis till academic year 2013-15)	Ph.D	Asst. Prof	Hindi Katha Sahitya	02 (U.G.)	Nil

11. List of senior visiting faculty- Nil

12. Percentage of lectures delivered and practical classes handled (programme- wise) by temporary faculty- 18%

13. Student -Teacher Ratio (program wise) 2014-15

Class	Student Teacher Ratio
First Year	1:33
Second Year	1:11
Third Year	1:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled- **Nil**

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.:-

Qualification	Teaching Faculty
P.hD	01
M.Phil	03
NET	02
SET	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- **Nil**

19. Publications:

* a) Publication per faculty

Sr no.	Name of faculty	No. of Publication
1	Prof. Ms. Sanjyoti M. Sanap	05
2	Dr. Vidya Gaikwad	01

* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)- 01

* Books with ISBN/ISSN numbers with details of publishers- 01

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards....

1. Prof. Ms. Sanjyoti Sanap – Bharat Bhushan Sammelan
2. Dr. Vidya Gaikwad – Hindustani Prachar sabha Committee

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme-
All students worked on projects up to the academic year 2013-14.
- b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies- Nil

23. Awards / Recognitions received by faculty and students-

24. List of eminent academicians and scientists / visitors to the department

Dr. Ramji Tiwari, Dr. Suryabla, Dr. Susheela Gupta, Dr. Achut Palav, Deepak Shetty, Suryobala, Dr. Mangesh Bancol, Dr. Sheetal Prasad Dubey, Anil Singh, Dr. Madhuri Chedha, Dr. Amol Deshmukh, Ms. Apurva Kumbhar, Dr. Karuna Shankar Upadhyay

25. Seminars/ Conferences/Workshops organized & the source of funding a)
National- Nil
International - Nil

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
F.Y.B.A Compulsory	60	60	36	24	78.33%
F.Y.B.A Ancillary	15	15	11	05	80%
S.Y.B.A	11	11	06	05	90.91%
T.Y.B.A	09	09	06	03	88.89%
Total	95				

*M = Male *F = Female

27. Diversity of Students

This data is available at the institutional level.

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.- Nil

29. Student progression

Student progression	Against % enrolled
UG to PG	50%
PG to M.Phil.	10%
PG to Ph.D.	10%
Ph.D. to Post-Doctoral	-
Employed • Campus selection • Other than campus recruitment	70%
Entrepreneurship/Self-employment	70%

30. Details of Infrastructural facilities

- a) Library
- b) Internet facilities for Staff & Students- No
- c) Class rooms with ICT facility- No
- d) Laboratories- N.A

31. Number of students receiving financial assistance from college, university, government or other agencies – This data is available at the institutional level.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts –

The department involves students in various curricular and co-curricular activities in Hindi Saptah. Group discussions and paper presentation workshops and guest lectures are arranged to provide a whole-some learning experience to the students.

33. Teaching methods adopted to improve student learning-
Department engages remedial classes for students with weak academic background.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

35. SWOC analysis of the department and Future plans

1. **Strength:**

- Teaching methods modified to suit students' needs.
- Several skill development workshops conducted every year during 'Hindi saptaha'.
- Qualified staff
- Supportive alumni
- Well- equipped departmental library
- Good collection of Hindi books in college library
- Notes available for students.

2. **Weakness:**

- Inadequate permanent staff.
- Transferable staff

3. **Opportunity:**

- Greater interaction with eminent literary personalities
- Possibility of networking with eminent alumni
- Possibility of honing writing skills of students for media, and various other literary forms.

4. **Challenges:**

- Heavy density of HEIs in the immediate vicinity offering the same course.

DEPARTMENT OF HISTORY

1. Name of the department- **HISTORY& A.I.C.**
2. Year of Establishment-
3. Names of Programmes/Courses offered: UG B.A. History
4. Names of Interdisciplinary courses /units involved- NIL
5. Annual/semester/choice based credit system (programme wise)-

Programme	Annual/ Semester / Choice based credit system
FYBA	Credit System
SYBA	Credit System
TYBA	Credit System

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
9. Number of Teaching posts

	Sanctioned	Filled
Professors	-	-
AssociateProfessors	-	-
Asst.Professors	03	03

10. Faculty profile

Name	Qualification	Designation	Specialization	No. of Years of Experience	No.ofPh.D. Students Guided for the last4years
1.Dr.Bhavana Patole	M.A. SET, M.Phil, Ph.D	Associate Professor	History	19	---
2.Sheetal Sonar	M.A, B.Ed. SET	Assistant Professor	History	08	----
3. Satish Rathod	M.A, NET	Assistant Professor	History	1	--

11. List of senior visiting faculty: **Nil**

12. Percentage of lectures delivered and practical classes handled (programme wise)By temporary faculty. **Nil**

13. Student-Teacher Ratio (programme wise)

Programme / Courses History	Student- Teacher Ratio
FYBA	38:2
SYBA	46:2
TYBA	7:3
Programme / Courses AIC	Student- Teacher Ratio
FYBA	17:1
SYBA	5:2

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled - **NIL**

15. Qualifications of teaching faculty with DSc/D.Litt./Ph.D./MPhil/PG.

Name	Qualification
1.Dr.BhavanaPatole	M.A. SET, M.Phil,Ph.D
2. Sheetal Sonar	M.A, B.Ed.SET
3. SatishRathod	M.A, NET

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- **Nil**

19. Publications:

Research Paper

Name	Research Papers	Books	Chapters in Books
1. Dr.BhavanaPatole	04	02	02
2. Sheetal Sonar	-	-	-
3. SatishRathod	04	-	-

20. Areas of consultancy and income generated: **Nil**

21.Faculty as members in

a)National committees **Nil**

b)International Committees **Nil**

c)Editorial Boards **Dr. Bhavana Patole (04)**

22. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/ programme: **25%**
- b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies **Nil**

23. Awards/Recognitions received by faculty and students (01)

- Prof. Sheetal D. Sonar awarded the Dr. Mani Kamerkar Memorial Foundation Young Researcher Best Paper First Prize for presentation in Marathi at the Seminar organized by the Department of History, G. N. Khalsa College, Mumbai on 15th September 2012. The titled of the paper was ‘Surgana Sansthanatil Adevasiche Arthik Jeevan’

24. List of eminent academicians and scientists/visitors to the department.

- 1) Dr. Sonali Pednekar, Head of department of History, Vaze college, Mulund.
- 2) Ms. Shilpa Chheda, Curator of Heras Museum.
- 3) Dr. Jhon Dias, the Director of Heras Institute
- 4) Miss Urvi Chheda, Assistant Conservator, CSMV Museum, Mumbai.
- 5) Dr. Kamini Gorge, Department of Philosophy, University of Mumbai
- 6) Dr. Ohlemeyer, (Professor, Department of History, Trinity College, Dublin Ireland).

25. Seminars/Conferences/Workshops organized & the source of funding

- a) National b) International: **Nil**

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
F.Y.B.A. History	72	72	45	27	
F.Y.B.A (A.I.C.)	5	5	2	3	
S.Y.B.A History	21	21	6	15	
S.Y.B.A (A.I.C.)	6	6	2	4	
T.Y.B.A History	3	3	1	2	

27. Diversity of Students: Information is collated at the institution level

Name of the Course	%of students from the same state	%of students from other States	%of students from abroad
FYBA	98%	2%	
SYBA	100%		

TYBA	100%		
------	------	--	--

28. How many students have cleared national and state competitive examinations such as NET, SET, GATE, Civil services, Defense services etc.?
Nil

29. Student progression

Student progression	Against % enrolled
UG to PG	50%
PG to M.Phil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
Employed	-
•Campus selection	-
•Other than campus recruitment	80%
Entrepreneurship/Self-employment	

30. Details of infrastructural facilities

a) Library-	Departmental library
b) Internet facilities for Staff & Students	Yes
c) Class rooms with ICT facility:	Yes
d) Laboratories-	No

31. Number of students receiving financial assistance from college, university, Government or other agencies-
Nil

32. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts-(08)

- 1) In August 2009 the History department organized the Guest lecture of Miss Silpa Chheda on the topic "Indian art Mauryas to Guptas".
- 2) Guest lecture of Dr. Sonali Pednekar, head of department of History, Vaze College, Mulund on "Sources of Maratha History" in the month of November 2009.
- 3) On 25th August 2011, guest lecture by Prof. Dr. Sonali Pednekar, V.G. Vaze College of Arts, Science and Commerce on 'Career in History'.
- 4) On 6th & 7th February 2012 Dept of History organized two days Intercollegiate History workshop on 'Sources of History', which was conducted by Ms. Shilpa Chheda from Heras Institute of Indian History and Culture.
- 5) Inter collegiate certificate course 'Art Appreciation' from December 2012 to March 2013 conducted by Ms. Shilpa Chheda from Heras Institute of Indian History and Culture.
- 6) Bridge Course organized by department of History - December 2013 to February 2014.

- 7) One Day International Symposium of Academicians in Humanities organized by Dept. of Sociology, Statistics, History, English and IT of Elphinstone College in collaboration with office of the Vice- President for Global Relations East Theatre Trinity College, Dublin, Ireland on 13th February, 2014.
 - 8) Ranade Memorial Lecture - Dr. Kamini Gorge, Department of Philosophy, University of Mumbai on 16th January 2014.
33. Teaching methods adopted to improve student learning- Chalk and board method, Use of Maps, Use of PPT, Animations. Holding exhibitions, Field Trips & Study tours, Heritage walk.
 34. Participation in Institutional Social Responsibility (ISR) and Extension activities
Students participate in college NSS activities for extension activities. Students also participate in programs and events organized by CSVM and University of Mumbai and work as volunteers.
 35. SWOC analysis of the department and Future plans-

Strength

- Well qualified staff with research aptitude
- Departmental library & exposure given to creativities of the students by celebration of important events in history
- Participation of the faculty in the seminars/ conferences/workshops
- Students are encouraged to undertake different certificate courses to enrich their knowledge

Weakness

- Transferable faculty

Opportunities

- The availability of state research archives in the premises stimulates the interest & increases the scope for the subject among the students
- History & A.I.C. has been taught by the department which gives wider scope for the students to opt for the career in the field of Archaeology, Museology & Numismatics.
- The strategic location of the college & availability of renown institutions in the vicinity gives various avenues for the students to benefit in terms of knowledge.

Challenges

- Developing writing skill among the vernacular medium students.

Future plans

1. To collaborate with other institutions for the certificate course.
2. Organize workshop at the national level
3. To strengthen research & extension programs

DEPARTMENT OF MARATHI

1. Name of the department: **MARATHI**
2. Year of Establishment: **1921**
3. Names of Programmes offered **UG**
4. Names of Interdisciplinary courses and the departments/units involved: **NIL**
5. Annual/ semester/choice based credit system: **Choice based credit system**
6. Participation of the department in the courses offered by other departments: **NIL**
7. Courses in collaboration : **NIL**
8. Details of courses/programmes discontinued (if any) with reasons: **NIL**
9. Number of Teaching posts

	Sanctioned	Filled
Professors	0	0
Associate Professors	0	0
Asst. Professors	2	2

10. Faculty profile

Name	Qualification	Designation	Specialization	No. of Years Experience	No. of Ph.D. Students guided for the last 4 years
Dr. K.B.Tashi	.M.A., Ph.D.	Assistant Professor	<i>Sant Wangmay</i>	28	NIL
Dr. B.N.Khomane	M.A., Ph.D.	Assistant Professor	Comparative Literature	14	NIL

11. List of senior visiting faculty: **NIL**
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: **NIL**

13. Student -Teacher Ratio (programme wise)

Programme / Courses	Student- Teacher Ratio
FYBA	35:2
SYBA	20:2
TYBA	11:2

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: **NIL**

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Teaching Faculty	Qualification
Dr. K.B.Tashi	M.A., Ph.D.
Dr. B.N.Khomne	M.A., Ph.D.

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: **NIL**

19. Publications:

Name	Research Publications	Research Presentations	Books	Chapters in Books
Dr. K.B. Tashi	05	02	-	02
Dr. B.N. Khomane	01	05	-	-

20. Areas of consultancy and income generated: **NIL**

21. Faculty as members 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 **100%**

All the students are required to prepare projects as a part of their evaluation process.

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: **Nil**

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
F.Y.B.A.	100	0	0
S.Y.B.A.	100	0	0
T.Y.B.A	100	0	0

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? : **NIL**

29. Student progression

Student progression	Against % enrolled
UG to PG	75%
PG to M.Phil./PhD./Post Doctoral	Nil
Employed • Campus selection • Other than campus recruitment	50%
Entrepreneurship/Self-employment	Nil

30. Details of Infrastructural facilities

- a) Library: Department has a library consisting of 40 books including text books and reference books.
- b) Internet facilities for Staff & Students: Not Available
- c) Class rooms with ICT facility: Not Available
- d) Laboratories: Nil.

31. Number of students receiving financial assistance from college, university, government or other agencies: This data is available at the aggregate level.

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts:

Essay competition, Poetry recitation and Special lectures by eminent personalities

33. Teaching methods adopted to improve student learning:

Department arranges remedial lectures and value-added course on communication skills in Marathi

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Students participate in extensional activities arranged by NSS wing of college.

35. SWOC analysis of the department and Future plans

Strength:

- Highly qualified and dedicated staff.
- Departmental library with adequate number of reference books.

Weakness:

- Staff is transferable
- Space constraint

Opportunities:

- The department has a rich tradition of luminaries in the field of Marathi literature. Involvement of these persons can add value to the teaching learning process
- Decline of interest in Marathi language & literature among youth in the wider society.

Challenge:

- Reviving interest in Marathi literature in today's generation

DEPARTMENT OF POLITICAL SCIENCE

1. Name of the department: **POLITICAL SCIENCE**
2. Year of Establishment: **Not Available**
3. Names of Programmes / Courses offered: **UG**
4. Names of Interdisciplinary courses and the departments/units involved: **NIL**
5. Annual/ semester/choice based credit system **Choice based credit system**
6. Participation of the department in the courses offered by other departments: **NIL**
7. Courses in collaboration: **NIL**
8. Details of courses/programmes discontinued (if any) with reasons **NIL**
9. Number of Teaching posts

	Sanctioned	Filled
Professors	0	0
Associate Professors	0	0
Asst. Professors	3	0

10. Faculty profile

Name	Qualification	Designation	Specialization	No.ofYears Experience	No.of Ph.D. Students guided for the last 4 years
Dr. Rachita Rattho (Transferred in 2015)	M.A.,M.Phil. Ph.D	Asst. Professor	Public Administration	21 Years	NIL
Ms. Sunita Gawai	M.A. B.Ed. M.Phil, NET	Appointed on Clock Hour Basis	Indian Political System	07 years	NIL
Ms. Archana Waghmare	M.A. B. Ed	Appointed on Clock Hour Basis	Public Administration	04	NIL
Ms Vijayba Jadeja	M.A. B.Ed.	Appointed on Clock Hour Basis	International Relations	01	NIL

11. List of senior visiting faculty: **Nil**

12. Percentage of lectures delivered and practical classes handled by temporary faculty:

Programme / Courses	Percentage
FYBA	100
SYBA	100
TYBA	100

13. Student -Teacher Ratio (programme wise): (2015-16)

Programme / Courses	Student- Teacher Ratio
FYBA	56:1
SYBA	40:2
TYBA	06:3

14. Number of academic support staff (sanctioned and filled): **NIL**

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG.

16.

Name	Qualification
Dr. Rachita Rattho (Transferred in 2015)	M.A.,M.Phil.Ph.D
Ms. Sunita Gawai	M.A. B.Ed. M.Phil, NET
Ms. Archana Waghmare	M.A. B. Ed
Ms Vijayba Jadeja	M.A. B.Ed.

17. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : **NIL**

18. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: **NIL**

19. Research Centre /facility recognized by the University: **NIL**

20. Publications:

Name	Research Publications	Research Presentations	Books	Chapters in Books
Ms. Sunita Gawai	02	03	00	00

20.Areas of consultancy and income generated : **NIL**

21.Faculty as members in

a) National committees b) International Committees c) Editorial Boards

i) Ms. Sunita Gawai

a) Life member- Rajyshastra Parishad, Mumbai.

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 institution i.e.in Research laboratories/Industry/other agencies **Nil**

23. Awards/ Recognitions received by faculty and students: **NIL**

24. List of eminent academicians and scientists/ visitors to the department

Nil

25. Seminars/ Conferences/Workshops organized & the source of funding: Nil

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
FYBA	#	#	20	36	98%
SYBA			18	22	97%
TYBA			06		100%

Data collated at the institutional level

27. Diversity of Students: This data is available at aggregate level

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc? **NIL**

29. Student progression

Student progression	Against % enrolled
UG to PG	50%
PG to M.Phil.	Na
PG to Ph.D. /Post Doctoral	N.A.
Employed	N.A.
• Campus selection	
• Other than campus recruitment	33%
Entrepreneurship/Self-employment	N.A.

30. Details of Infrastructural facilities

- a) Library: Department has a COLLECTION of lecture notes, text books CDs and audio tapes for the benefit of students.
- b) Internet facilities for Staff & Students: Not Available
- c) Class rooms with ICT facility: Not available.
- d) Laboratories: N.A.

31. Number of students receiving financial assistance from college, university, government or other agencies: This data is available at institutional level

32. Details on student enrichment programmes (special lectures /workshops/ seminar) with external experts:

- Department organizes student presentations in the class, engages students in debates and group discussions to abreast them with alternative views on the subject.
- Staff spends extra time in guiding students on how to prepare for competitive examinations.

33. Teaching methods adopted to improve student learning: Use of interactive mode of learning.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities - **01**

Department trained the students to hold workshops for sensitisation of school students towards Indian constitution on the Constitution Day.

35. SWOC analysis of the department and Future plans:

STRENGTH	WEAKNESS
1. Dedicated teaching staff	1. Space constraint
2. Interactive and participative learning	2. No posts filled

<p>methods</p> <p>3. 100% pass percentage in the final year.</p>	
<p>OPPORTUNITY</p> <p>1. Possibility of linkages with reputed institutions.</p>	<p>CHALLENGES</p> <p>1. It is a challenge to take quality initiatives with no permanent staff on roll.</p>

DEPARTMENT OF PSYCHOLOGY

1. Name of the department - **Psychology**
2. Year of Establishment-
3. Names of Programmes / Courses offered **UG**
4. Names of Interdisciplinary courses and the departments/units involved-**NIL**
5. Annual/ semester/choice based credit system (programme wise)-

Semester Based Credit System

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
Professors	-	-
Associate Professors	-	-
Asst. Professors	01	NIL

10. Faculty profile

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Shruti Inamdar	MA in Applied Psychology, NET qualified	Assistant Professor CHB	Industrial and Organizational Psychology	6 months	
Kalpana Krishnan	MA in Applied Psychology, NET qualified	Assistant Professor CHB	Industrial and Organizational Psychology	11 months	

11. List of senior visiting faculty **NIL**
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty

Programme / Courses	Percentage
FYBA	100
SYBA	100
TYBA	100

13. Student -Teacher Ratio (programme wise) **FYBA= 40:1, SYBA= 4:1**
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: **NIL**
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.-

Teaching Faculty	Qualification
Shruti Inamdar	M.A.
Kalpana Krishnan	M.A.

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: **NIL**
19. Publications: **NIL**
20. Areas of consultancy and income generated: **NIL**
21. Faculty as members in a) National &International Committees b) Editorial Board **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 institution i.e.in Research laboratories/Industry/ other agencies: **NIL**
23. Awards / Recognitions received by faculty and students: **NIL**
24. List of eminent academicians and scientists / visitors to the department: **NIL**
25. Seminars/ Conferences/Workshops organized & the source of funding

- a) National: **NIL**
 b) International: **NIL**

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
FYBA			17	23	90
SYBA			00	04	100

*M = Male *F = Female

27 . Diversity of Students: This data is available at the institutional level

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? **NIL**

29. Student progression

Student progression	Against % enrolled
UG to PG	50%
PG to M.Phil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
Employed	
• Campus selection	
• Other than campus recruitment	50%
Entrepreneurship/Self-employment	-

30. Details of Infrastructural facilities

- a) Library: 25 books in the departmental library
 b) Internet facilities for Staff & Students: Computers with internet are available for students.
 c) Class rooms with ICT facility: Audio-visual facility for teaching is available
 d) Laboratories- **NA**

31. Number of students receiving financial assistance from college, university, government or other agencies: **NIL**

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts- (03)

1. Awareness workshop- Understanding self & changing perspective in stressful situations

2. Consensus Decision Making- Desert Survival Activity

3. Film screening: Critical & Psychological appreciation of film ‘‘Ek Ruka Hua Faisla’’

33. Teaching methods adopted to improve student learning- PPT, Animation, Group discussion Chalk & Board, Use of audio-visual media and powerpoint presentations

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: **NIL**

35. SWOC analysis of the department and Future plans

Strengths-

- Ability to use various media, such as audio-visual, PPTs,
- Activities to introduce concepts, workshops etc.

Weaknesses-

- No regular faculty has been appointed by Government of Maharashtra.

Opportunities-

- As college offers three papers in psychology, students can study psychology and other subject/s at a time and can do post-graduation in two subjects.

Challenges-

- College offers only three papers at TYBA level hence the students who wish to do their graduation in psychology are unable to continue with the subject.

DEPARTMENT OF SOCIOLOGY

1. Name of the department: **SOCIOLOGY**
2. Year of Establishment: **1965**
3. Names of Programmes / Courses offered: **UG**
4. Names of Interdisciplinary courses and the departments/units involved: **NIL**
5. Annual/ semester/choice based credit system **Choice based credit system**
6. Participation of the department in the courses offered by other departments: **NIL**
7. Courses in collaboration: **NIL**
8. Details of courses/programmes discontinued (if any) with reasons **NIL**
9. Number of Teaching posts

	Sanctioned	Filled
Professors	0	0
Associate Professors	0	0
Asst. Professors	2	2

10. Faculty profile

Name	Qualification	Designation	Specialization	No.ofYears Experience	No.of Students guided for the last 4 years	Ph.D.
Surrendra G. Thakur	M.A.,M.Phil. , NET,Ph.D	Asst. Professor	Research Methodology	08 Years	NIL	
Dattatray V. Gangode	M.A., SET, NET	Asst. Professor	Tribal Study	01 Years	NIL	

11. List of senior visiting faculty: **Nil**

12. Percentage of lectures delivered and practical classes handled by temporary faculty:

Programme / Courses	Percentage
FYBA	00
SYBA	50
TYBA	16

13. Student -Teacher Ratio (programme wise): (2015-16)

Programme / Courses	Student- Teacher Ratio
FYBA	47:1
SYBA	20:1
TYBA	14:3

14. Number of academic support staff (sanctioned and filled): **NIL**

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG.

Teaching Faculty	Qualification
Surrendra G. Thakur	M.A.,M.phil., Ph.D., NET
Dattaray V. Gangode	M.A., SET, NET

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received :

Projects	Funding Agencies	Grant Received
“Role conflict among the wives of Suicide committed farmer’s wives in Marathwada”	BCUD, Mumbai University, Mumbai	35,000/-

17. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received: **NIL**

18. Research Centre /facility recognized by the University: **NIL**

19. Publications:

Name	Research Publications	Research Presentations	Books	Chapters in Books
Dr.Surrendra Thakur	08	13	02	02

20.Areas of consultancy and income generated : **NIL**

21.Faculty as members in

a) National committees b) International Committees c) Editorial Boards

i) Dr. Surrendra Thakur-

a) Life member- All India Sociological Society, New Delhi.

b) Life member- Maharashtra SamajshatraParishad , Aurangabad.

c) Life Membership- International Association of Academicians and Researchers.

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 institution i.e.in Research laboratories/Industry/other agencies **Nil**

23. Awards/ Recognitions received by faculty and students: **NIL**

24. List of eminent academicians and scientists/ visitors to the department

16. Dr. Vijay Marulkar (Former, Head. Dept of Sociology, SNDT University Mumbai)
17. Dr. ManishaRao (Associate Professor, SNDT Women's University, Mumbai)
18. Dr. Vivek P.S.(Associate Professor, Mumbai University, Mumbai)
19. Dr. Neeraj Hattekar (Associate professor, Mumbai University, Mumbai)
20. Dr. BhagyashreeVarma (associate professor ,Mumbai University, Mumbai)
21. Dr. Padma Chavan(Associate professor and Scientist in Nair Hospital, Mumbai)
22. Mr. Santosh Nikam (Psychiatric in TISS in KharGhar)
23. Dr. Jagdish Mehta (Head., Dept. of Sociology, DAV College, Chandigarh)
9. Prof. Dr. B.V. Bhosale (Professor, Dept. of Sociology, Mumbai University)
10. Dr. Geeta Chaddha (Dept. of Sociology, Mumbai University, Mumbai)
11. Prof. Kanaklata Samel (Head. Dept. of Sociology, Kelkarcollege, Mulund)
12. Prof. Patricia D'souza (Dept. of Psychology, Sophia College, Mumbai)
13. Prof. SatishPandit (Dept. of Statistics, Pune University, Pune)

25. Seminars/ Conferences/Workshops organized & the source of funding

a) **National :03**

- i) The Department of sociology organized a UGC sponsored National Seminar on “Qualitative and Quantitative Research Methods and Data collection skills “on 20-21st Sept.2013
- ii) The Department of sociology organized a ICSSR sponsored National Workshop on “Minitab and Research methodology” on 29-30November 2012.
- iii) The Department of sociology organized a ICSSR sponsored National Workshop on “SPSS and Statistical Data Analysis in Social Sciences “on 29th March 2014.

b) **International: 01 (Symposium):**

- i) The Department of sociology has organized a International Symposium on “Academicians in humanities “on 13th Feb.2014.

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
FYBA	#	#	17	24	

Data collated at the institutional level

27. Diversity of Students: This data is available at aggregate level

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc? **NIL**

29. Student progression

Student progression	Against % enrolled
UG to PG	33%
PG to M.Phil.	4%
PG to Ph.D. /Post Doctoral	N.A.
Employed	N.A.
• Campus selection	
• Other than campus recruitment	33%
Entrepreneurship/Self-employment	N.A.

30. Details of Infrastructural facilities

- a) Library: Department has a Library with soft copy notes, Hard copy notes, selected books, Text Books, reference books and CDs.
- b) Internet facilities for Staff & Students: Available
- c) Class rooms with ICT facility: Yes. Smart board and Computer are available.
- d) Laboratories: N.A.

31. Number of students receiving financial assistance from college, university, government or other agencies: N.A.

32. Details on student enrichment programmes (special lectures /workshops/ seminar) with external experts:

- Department has witnessed the visit of several eminent personalities, like -
 1. Dr.Marulkar (Former, Head. Dept of Sociology, SNDT Women's University Mumbai)
 2. Dr. Jagdish Mehta (Head, Dept. of Sociology, DAV College, Chandigarh)
 3. Prof. Dr. B.V. Bhosale (Professor, Dept. of Sociology, Mumbai University)
 4. Dr. GeetaChaddha (Dept. of Sociology, Mumbai University, Mumbai)
 5. Prof. Kanaklata Samel (Head. Dept. of Sociology, Kelkar College, Mulund)

33. Teaching methods adopted to improve student learning:

Smart Board with Projector, PPT, and use of SPSS software.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities - **03**

1. Socio- Economic Survey – Pali, (Tal:Karjat, Dist: Raigarh)on dated 9.9.12)
2. Impact of It on Agricultural occupation Survey at Akshi ,tq.Alibaug,Dist: Raigarh)
3. How mobile phones have affected the lives of the rural children Kalhe Village, Karnala Bird Century, Panvel (13th Sept. 2014)

35. SWOC analysis of the department and Future plans:

STRENGTH 1. Dedicated teaching staff 2. .Use of ICT in teaching – learning process. 3. Active participation of students in research.	WEAKNESS 3. Space constraint 4. Transferable and temporary staff 5. Vacant Posts.
OPPORTUNITY 2. Possibility of linkages with reputed institutions. 3. E-books/e-learning.	CHALLENGES 1. Initiative P.G. courses 2. Skill based Certificate courses due to scarcity of staff.

Faculty of Commerce

DEPARTMENT OF COMMERCE

1. Name of the Department: Commerce
2. Year of Establishment: 1985
3. Names of Programmes/Courses offered: UG
4. Names of Interdisciplinary courses: Nil
5. Annual/ semester/
choice based credit system **Credit based semester system**
6. Participation of the department in the :
courses offered by other departments Nil
7. Courses in collaboration : Nil
8. Details of courses/programmes discontinued (if any) with reasons: Nil
9. Number of Teaching posts

	Sanctioned	Filled
Professors	Nil	Nil
AssociateProfessors	Nil	Nil
Asst.Professors	05	02

10. Faculty profile

Name	Qualification	Designation	Specialization	Experience
Mrs. R.N.Vyas	M.Com.	Assistant Professor	A/C& AUDITING	29
Dr. B. P. Kamble	Ph.D, M.Com. M.Ed., L.L.B. SET	Assistant Professor	A/C& AUDITING	31

11. List of senior visiting faculty: Nil
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty **60%**
13. Student -Teacher Ratio (programme wise)

Programme / Courses	Student- Teacher Ratio
F.Y.B.Com.	240:8
S.Y.B.Com.	240:6
T.Y.B.Com	230:6

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled N.A.

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Name	Qualification
Mrs. R.N.Vyas	M.Com.
Dr. B. P. Kamble	M.Com Ph.D. M.Ed., L.L.B. SET
Asif Kodiar	M.Com. CA(Inter)
Amarjeet Gupta	M.Com.(Accountancy & Management), NET, CA/CS(Inter)
Trupti Kacheria	M.Com.
Ronika Jain	M.Com. CA(Inter)
Sohana S. Khan	M.Com. B.Ed. PET
Ali Asgar	M.Com. CS(Inter)

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: NA

19. Publications:

Name	Research Papers
Dr. B. P. Kamble	03

20. Areas of consultancy and income generated- NIL

21. Faculty as members in

a)National committees b) International Committees c) Editorial Boards

Dr BP Kamble

- i) Life member of all India Commerce Association
- ii) Life member of Maharashtra Commerce Association

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 institution i.e.in Research laboratories/Industry/ other agencies **NIL**

23. Awards / Recognitions received by faculty and students : **NIL**

24. List of eminent academicians and scientists / visitors to the department

- i. Dr Panda from Delhi University
- ii. Dr Nagaraju from Mysore University
- iii. Dr Acharya from Mumbai University
- iv. Dr Satish Naringrekar from Mumbai University
- v. Dr Shitole from SNDT University(Dean),Principal At Pune

25. Seminars/ Conferences/Workshops organized & the source of funding

- a) National- 01
- b) International- **NIL**

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
FYBCOM	1170	263	120	143	83%
SYBCOM	236	230	129	101	85%
TYBCOM	217	213	98	115	84%

27. Diversity of Students

This data is collated at the institutional level

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? **Nil**

29. Student progression

Student progression	Against % enrolled
UG to PG	65%
PG to M.Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	60%
Entrepreneurship/Self-employment	22%

30. Details of Infrastructural facilities

- a) Library- Departmental library
- b) Internet facilities for Staff & Students- Yes
- c) Class rooms with ICT facility – Yes
- d) Laboratories- Well Equipped

31. Number of students receiving financial assistance from college, university, government or other agencies

This data is collated at the institutional level

32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts:

1. Mock- Stock': an experience of stock market in simulation was conducted by trainer in Bombay Stock Exchange
2. Visits to BSE, Yusuf Meharally Center, Raigad.

33. Teaching methods adopted to improve student learning

- i. Remedial Teaching
- ii. Revision Lectures
- iii. Providing notes.
- iv. Use of Internet

34. Participation in Institutional Social Responsibility (ISR) and Extension activities
Students participate in college NSS activities for extension activities.

35. SWOC analysis of the department and Future plans

Strength-

- i. Highly Qualified and Experienced Teachers
- ii. Experienced Laboratory Staff
- iii. Good Teachers and student rapport

- iv. Personal guidance to each student (mentoring)
- v. Smart Class Room

Weakness

- i. Teachers vacancies is not filled for long duration of time
- ii. Transferable staff

Opportunity

- i. To use the pool of alumni for enriching teaching and learning process, as well as student progression.
- ii. To start PG program in commerce

Challenges

- i. Institute in close vicinity of other colleges offering the same course.
- ii. To teach students from weaker academic background

Faculty of Science

DEPARTMENT OF BOTANY

1. Name of the department **Botany Department**
2. Year of Establishment 1935
3. Names of Programmes/Courses offered UG (3 years course)
4. Names of Inter-disciplinary courses Nil
And the departments/units involved
5. Annual/semester/
Choice based credit system **Credit based semester System**
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
Professors	Nil	Nil
Associate Professors	Nil	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	Experience	Ph.D.Students guided
Jayaa Pawaar	M.Sc (SET)	Assistant Professor	Taxonomy of Angiosperms	19 yrs	Nil
Amit Saraf	M.Sc. (NET,SET)	Assistant Professor	Reproductive Biology of Angiosperms	13 yrs	Nil
Sanjay Jagtap	M.Sc, M.Phil, Ph.D	Assistant Professor	Plant Physiology	9 yrs	Nil

11. List of senior visiting faculty: Nil
(List of faculty on CHB)

Sr.No	Name Faculty on CHB	Academic Contribution
1	Geeta Rajput	Plant Physiology
2	Aditi Saitavadekar	Mycology
3	Priyanka Mane	Plant Taxonomy

12. Percentage of lectures delivered and practical classes handled by temporary faculty

Sr.No	Program details	Percentage of classes engaged by temporary faculty
1	FYBSc (Theory)	Nil
2	FYBSc (Practicals)	25%
3	SYBSc (Theory)	Nil
4	SYBSc (Practicals)	Nil
5	TYBSc (Theory)	25%
6	TYBSc (Practicals)	25%

13. Student-Teacher Ratio (programme wise)

Sr.No	Program details	Student-Teacher Ratio
1	FYBSc	1:8
2	SYBSc	1:4
3	TYBSc	1:1

14. Number of academic support staff; sanctioned and filled:

Number of academic support staff and administrative staff	
Sanctioned	Filled
03	02

15. Qualifications of teaching faculty with DSc/D.Litt/Ph.D/MPhil/PG.

Sr.No	Name of Faculty	Qualification
1	Jayaa Pawaar	M.Sc. (SET)
2	Amit Saraf	M.Sc. (SET, NET)
3	Dr. Sanjay Jagtap	M.Sc. M.Phil, Ph.D.

16. Number of faculty with ongoing projects from a)National b)International funding agencies and grants received

Sr.No	Name of Faculty	Ongoing Project		
		Funding Agency	Amount sanctioned	Amount received
1	Amit Saraf	UGC	7,18,000	5,84,000

17. Departmental projects funded by DST-FIST;UGC, DBT, ICSSR,etc. and total grants received

Sr. No	Name of Faculty	Projects in the Department		
		Funding Agency	Amount sanctioned	Amount received
1	Amit Saraf	UGC	7,18,000	5,84,000
2	Jayaa Pawaar	BCUD, Mumbai University	12,000	12,000
3	Jayaa Pawaar	BCUD Mumbai University	8,000	8,000
4	Amit Saraf	BCUD Mumbai University	10,000	10,000

18. Research Centre/facility recognized by the University: No

19. Publications: Research Publications in International peer reviewed journals

Sr.No	Name of Faculty	Publications
1	Jayaa Pawaar	03
2	Amit Saraf	04
3	Dr. Sanjay Jagtap	08

20. Areas of consultancy and income generated: Nil

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards: **Nil**

22. Student projects

a) Percentage of students who have done in-house projects including inter-departmental/programme: **10%**

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies **Nil**

23. Awards/Recognitions received by faculty and students : **Nil**

24. List of eminent academicians and scientists/visitors to the department

1. Dr. Renuka Thergaonkar: Head, Department of Cosmetology & Aromatherapy
KelkarVaze College, Mumbai
2. Dr. Urmila Sarkar: Eminent Horticulturist, Kirti College, Mumbai
3. Dr. Ranjan Desai: Eminent Taxonomist
4. Dr. Umesh Kakde: Head, Department of Botany,
Ismail Yusuf College, Mumbai
5. Mrs. Vijaya Rao: Bonsai Expert
6. Dr. Meenakshi Vaidya: Horticulture specialist, Mithibai College, Mumbai

25. Seminars/Conferences/Workshops organized & the source of funding : **Nil**

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
			12	36	

27. Diversity of Students: Information is collated at the college level

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? **Nil**

29. Student progression

Student progression	Against % enrolled
UG to PG	30%
PG to M.Phil./Ph.D./Post-Doctoral	-

Employed • Campus selection • Other than campus recruitment	60%
Entrepreneurship/Self-employment	-

30. Details of Infrastructural facilities

- a) Library Departmental Library
b) Internet facilities for Staff & Students Yes
c) Class rooms with ICT facility Yes
d) Laboratories Yes

31. Number of students receiving financial assistance from college, university, Government or other agencies **Nil**

32. Details on student enrichment programmes with external experts (2009 onwards)

Sr. No.	Workshop/Seminar/Guest Talk	Date
1.	Workshop organized on “Fascinating art of Bonsai”	12 th September 2009
2.	Workshop organized on Flower arrangement	15 th September 2011
3.	Workshop organized on Fruit and Vegetable Carving	7 th December 2011
4.	Workshop organized on Bottle Garden and Terrarium	21 st January 2012
5.	Workshop on Handmade Paper making & Paper bag making	13 th August, 2012
6.	Workshop on Nature Photography	5 th September, 2012
7.	Guest Lecture on “Tree Flora of Mumbai” by Dr. Ranjan Desai	5 th September, 2012
8.	Workshop on “Eco-friendly Ganpati making” in association with WWF for Nature, Mumbai	6 th September, 2012
9.	Workshop on “Bonsai making” by Dr. Urmila Sarkar	7 th September, 2012
10.	Invited Lecture on Aromatherapy & Cosmetology by Dr. Renuka Thergaonkar	7 th September, 2012
11.	Hands on training on Herbal Formulations by Dr. Dhvani Mehta	7 th September, 2012
12.	Invited Lecture on Scopes in Plant Sciences by Dr. Umesh Kakde	7 th September, 2012
13.	Invited Lecture on Scopes & Future in Plant Sciences	24 th August 2013
14.	Workshop organized on Fruit and Vegetable Carving	7 th September 2013
15.	Certificate Course on ‘Horticultural Practices’	18 th Oct to 31 st Oct

		2013
16.	Workshop on 'Vermicompost'	20 th December 2013
17.	Workshop on 'Dyes from Plants'	20 th December 2013
18.	Certificate Course in Skills in Horticulture	30 th November to 5 th December, 2015

33. Teaching methods adopted to improve student learning:
Chalk & Board Method, Charts, Specimens, PPT, Animations, Field Trips and Long excursions.

34. Participation in Institutional Social Responsibility(ISR)and Extension activities

Sr. No.	ISR & Extensional Activities	Date
1.	Participation of students in Panda Festival (WWF)	8 th December, 2010
2.	Beach Cleaning Drive after Ganpati Immersion along with WWF for Nature Mumbai	2012,2013& 2014
3.	Exhibition & Sale of Medicinal Plants, Sale cum awareness program for public, students and staff.	10 th January, 2013

35. SWOC analysis of the department and Future plans

Strength:

- Development of terrace garden taking care of plant material required for Practicals
- Modern Laboratory Instruments

Weakness:

- Vacant faculty and non teaching positions
- No field collector

Opportunities:

- To start Certificate courses in applied field of Botany
- To strengthen existing Terrace garden and start a training program on Nursery Management
- Collaborative research projects for students with various Research Labs, Industries.

Challenges:

- Space crunch hinders further expansion of the Department.
- Attract students from Junior College to opt for pure science subjects like Botany

DEPARTMENT OF BIOTECHNOLOGY

1. Name of the department: **Department of Biotechnology**
2. Year of Establishment: 2003
3. Name of the Courses: B.Sc. (Biotechnology)
4. Inter-disciplinary courses: Nil
5. Examination system : Credit Based Semester and Grading System (CBSGS)
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
Professors	Nil	Nil
Associate Professors	Nil	Nil
Asst. Professors	5	3

10. Faculty profile

Name	Qualification	Designation	Specialization	Experience	Ph.D.Students guided
Candida Silveria	MSc, SET	Asst. Prof.	Microbiology	02	Nil
Smita Jadhav	M.Sc.	Asst. Prof.	Biotech	02	Nil
Geeta Rajput	PhD	Asst. Prof.	Plant Physiology	05	Nil
Rhea Lahiri*	M.Sc.	Asst. Prof.	Biotech	00	Nil
Rucha Karmarkar*	M.Sc. NET	Asst. Prof.	Biotech	04	Nil

- Faculty on CHB Basis

11. List of senior visiting faculty: Nil
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty

Being a Self-financed course, all the appointments are on temporary basis and are renewed every year. Posts are filled on contract basis and clock-hour basis depending on the need of the syllabus.

13. Student-Teacher Ratio: **B.Sc.(Biotechnology)16:1**
14. Number of academic support staff: **Sanctioned 03: Filled 02**

15. Qualifications of teaching faculty with DSc/D.Litt/Ph.D/MPhil/PG.

All faculty members have M.Sc. as their highest qualification.

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:

Department has a University recognized Research Lab

19. Publications: **Nil**

20. Areas of consultancy and income generated: **Nil**

21. Faculty as members in a)National and b) International Committees c)Editorial Boards

Nil

22. Student projects

a) Percentage of students who have done in-house projects including inter-departmental/programme

45% students were working on various students projects undertaken by the department to promote interest of undergraduate students in research related activities. These projects are not a part of their curriculum and results of such projects are presented in various conferences. Students and staff of the department have regularly secured prizes in poster presentations.

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies

Approximately 15% students this year have approached Institutions/Hospitals during their vacations for hands-on-training to upgrade their skills. Such training helps them in their research projects.

23.Awards /Recognitions received by faculty and students

24.List of eminent academicians and scientists/visitors to the department:

10th January 2013

- **Dr Swapnil Bhujbal** , Research Scientist at CRP Sante Laboratory , Netherlands expressed his views and knowledge on DNA and Protein Databases and Sequence alignments. The session was exciting and enriching for biotechnology students.
- **Dr Taruna Gupta**, Scientist E, NIRRH , Mumbai enlighten the students regarding medical biotechnology and its application with her mesmerising talk and research aptitude.

26th August 2013

- **Dr. Dag Kubin**, PhD from Darmstadt University in Chemistry, working on chromatography and microscopic spectroscopy

17th January 2014

- **Dr. Prasad Karnik**, Technical Director, International Institute of Sleep Sciences, Mumbai. “Wake up to Sleep”: A lecture was conducted by the department to spread awareness about importance of sleep and understanding the sleeping pattern, it was followed by simple computer based “Neuropsychology tests” on some Faculty members.

23th August, 2014

- **Ms Kajal Jain**, conducted a session on overseas education opportunities available for biotechnology students in different Universities & colleges of USA & Canada.

13th July, 2015

- **Dr. James Jenkins**, Associate Dean (International), University of Hertfordshire, School of Life and Medical Sciences. Spoke about Water Conservation and Global initiatives to tackle the same.

25. Seminars/Conferences/Workshops organized & the source of funding

a) National Nil

b)International Nil

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.Sc. (Biotechnology)	158	40	11	29	90%

27. Diversity of Students

Name of the Course	%of students from the same state	% of students from other States	%of students from abroad
FYBSc (Biotech)	94%	6%	Nil
SYBSc (Biotech)	100%	Nil	Nil
TYBSc (Biotech)	100%	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET,SLET,GATE,Civil services, Defense services, etc.? **Nil**

29. Student progression

Student progression	Against % enrolled
UG to PG	95%
PG to M.Phil.	--
PG to Ph.D.	--
Ph.D. to Post-Doctoral	--
Employed	
• Campus selection	--
• Other than campus recruitment	
Entrepreneurship/Self-employment	--

30. Details of Infrastructural facilities

- | | |
|---|-----|
| a) Library | Yes |
| b) Internet facilities for Staff & Students | Yes |
| c) Class rooms with ICT facility | Yes |
| d) Laboratories | Yes |

31. Number of students receiving financial assistance from college, university, government or other agencies

Data is available at the Institutional level

32. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts

1) **“Hands-on-training on HPTLC”**

Two days workshop & Hands-on-Training program was organized on 7th – 8th February 2014 with the help of Aetron, Mumbai.

2) **“Research Methodologies in Molecular Biology”**

Weeklong workshop was conducted for students of our department in two batches from 3rd -14th February, 2015. The workshop included lectures on basic

bioinformatics, biostatistics & bioenergetics, conducted with the help from our alumni, research scholars and Scientific officer E, from Haffkines Institute, Mumbai.

33. Teaching methods adopted to improve student learning

Teachers rely heavily on the use of ICT for improving overall teaching experience. The department has laptop, projector and a computer lab with internet and printer. Rigorous teaching, examinations and interactions with of parents regarding performance of their wards has lead to improvement of results in University exams. Last year's result of TYBSc (Biotechnology) students was 95%, which was way above the average result of University Exam at 58%

34. Participation in Institutional Social Responsibility(ISR)and Extension activities

Students participate actively in the extension activity organized by the college.

35. SWOC analysis of the department and Future plans

Strength

- Student centered learning approach
- Research oriented atmosphere, leading to presentation at National & International conferences
- Introduction of new certificate courses
- Over 90% students enrolls for PG courses

Weakness

- Contractual Staff
- Financial crunch due to no revision of fee structure

Opportunities

- Up gradation of laboratories
- Introduction of certificate course in European languages & Molecular Techniques

Challenges

- Expansion plan hampers due to the heritage status of the college
- To make the department an 'Aided Department'

DEPARTMENT OF CHEMISTRY

1. Name of the department: **Department of Chemistry**
2. Year of Establishment: **1/1/1937**
3. Names of Programmes / Courses offered: **UG – B.Sc. Chemistry**
4. Names of Interdisciplinary courses and the departments/units involved: **Nil**
5. Annual/ semester/choice based credit system (Programme wise) - **Choice based credit system**
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
Professors	Nil	Nil
Associate Professors	Nil	Nil
Asst. Professors	05	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. Students guided for the last 4 years
Dr. R.S. Dhamnaskar (Joined as Joint Director, Aurangabad Region in December 2015)	M.Sc , Ph.D., D.H.E.	Associate Professor	Physical Chemistry	30 yrs	Nil
Bharat Raut	M.Sc. (SET)	Assistant Professor	Organic Chemistry	14 yrs	Nil

Smt. R. D. Yeola	M.Sc. B. Ed (NET, SET ,GATE)	Assistant Professor	Organic Chemistry	4 years	Nil
Ms. N. V. Thakare	M.Sc. (NET,GATE)	Assistant Professor	Organic Chemistry	Nil	Nil

11. List of senior visiting faculty: **Nil**

(List of faculty on CHB): (2015-16)

Sr.No	Name Faculty on CHB	Academic Contribution
1	Ratan Singh	Inorganic Chemistry, Industrial Chemistry
2	Balaji More	Organic Chemistry, Drugs and Dyes
3	Rahul Nikam	Physical Chemistry
4	Vijaya Dialani	Analytical Chemistry

12. Percentage of lectures delivered and practical classes handled (programme- wise) by temporary faculty

Sr.No	Program details	Percentage of classes engaged by temporary faculty
1	FYBSc (Theory)	40%
2	FYBSc (Practicals)	40%
3	SYBSc (Theory)	40%
4	SYBSc (Practicals)	40%
5	TYBSc (Theory)	40%
6	TYBSc (Practicals)	40%

13. Student -Teacher Ratio (programme wise, 2014-15)

Sr.No	Program details	Student -Teacher Ratio
1	FYBSc	15:1
2	SYBSc	10:1
3	TYBSc	4:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

	Sanctioned	Filled
Laboratory Assistant	01	01
Laboratory Attendant	05	05

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG.

Sr.No	Name of Faculty	Qualification
1	Dr R S Dhamnaskar	M.Sc. Ph.D. D.H.E.
2	Mr. Bharat Raut	M. Sc. SET
3	Smt. R. D. Yeola	M.Sc. B. Ed (NET, SET ,GATE)
4	Ms. N. V. Thakare	M.Sc. (NET,GATE)
5	Ms. Ratan Singh	M.Sc.B. Ed.
6	Mr. Balaji More	M.Sc. NET
7	Mr. Rahul Nikam	M.Sc.
8	Ms. Vijaya Dialani	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 - **NIL**

19. Publications:

* Publication per faculty

Sr. No.	Name	No.
1.	Dr R. S. Dhamnaskar	10
2.	Bharat Raut	01
3.	Smt. R. D.Yeola	00
4.	Ms .N. V. Thakare	01

* Number of papers published in peer reviewed journals (national /international) by faculty and students- 12

* Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) - 12

- * Monographs- 00
- * Chapter in Books- 00
- * Books Edited- 00
- * Books with ISBN/ISSN numbers with details of publishers- 00
- * Citation Index-

22. Student projects :

- a) Percentage of students who have done in-house projects including inter departmental/programme: 25%
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: 0%

23. Awards / Recognitions received by faculty and students – Nil

24. List of eminent academicians and scientists / visitors to the department

- a) Dr M M Salunkhe, Vice Chancellor, YCM Open University
- b) Dr AK Srivastava, Professor of Analytical Chemistry, Department of Chemistry, University of Mumbai
- c) Dr R S Yamgar, Associate Professor, Patkar College, Mumbai

25. Seminars/ Conferences/Workshops organized & the source of funding

- a) National: 01 UGC sponsored
- b) International: NIL

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
This information is collated at the Institution level					

*M = Male *F = Female

27. Diversity of Students: This information is collated at the Institution level

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? : Nil

29. Student progression

Student progression	Against % enrolled
UG to PG	90%
PG to M.Phil.	N.A

PG to Ph.D.	N.A.
Ph.D. to Post-Doctoral	N.A.
Employed – Campus selection – Other than campus recruitment	N.A.
Entrepreneurship/Self-employment	N.A.

30. Details of Infrastructural facilities

- a) Library: Departmental Library with Reference Books, soft and hard copies of study material
- b) Internet facilities for Staff & Students: Available
- c) Class rooms with ICT facility: Yes. Smart board and Computer are available.
- d) Laboratories: 02

31. Number of students receiving financial assistance from college, university, Government or other agencies- Nil

32. Details on student enrichment programmes (special lectures / workshops seminar) with external experts

Sr. No.	Programme	Year
1.	Workshop for Blind students with HEPSN	2012
2.	Survey based projects	2013
3.	Students seminars	2013
4.	Research project on Tea consumption pattern and total sugar content in each cup of tea at different tea stalls of South Mumbai region.	2014
5.	Comparative Study of Antioxidant Activity of Fermented and Non-Fermented Teas (Camellia sinensis) Using Green Method	2015
6.	Industrial Visit (Goa)	2012

33. Teaching methods adopted to improve student learning

The department is using tools in ICT to improve student learning. Equipments like LCD projector, Laptops and Visual presenter are regularly used to enhance students' learning experience. Illustrations from internet are also used to enrich students' knowledge.

Remedial courses and Bridge courses have been arranged to teach students with lower academic grades.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: **Nil**

35. SWOC analysis of the department and Future plans

Strengths:

1. Dedicated teaching staff
2. Use of ICT, models in teaching – learning process.
3. Active participation of students in research
4. Participation of students in debates, seminar, discussion both at college and intercollegiate levels.
5. Well equipped laboratory

Weakness:

6. Space constraint
7. Transferable and temporary staff
8. Vacant Posts.

Opportunities:

1. Possibility of linkages with reputed national and international institutions.
2. E-books/e-learning.
3. Industrial tie-ups.

Challenges:

1. P.G. courses
2. Skill based Certificate courses.
3. Research laboratory setup.

DEPARTMENT OF MATHEMATICS

1. Name of the department: **Department of Mathematics**
2. Year of Establishment: 1860
3. Names of Programmes/Courses offered (UG,PG,M.Phil.,Ph.D.,Integrated Masters; integrated Ph.D., etc.) : UG
4. Names of Interdisciplinary courses and the departments/units involved : i)Mathematics project of Biotech students
ii) Bridge course for students who have offered Mathematics at FY / SY B.A.
5. Annual/semester/choice based credit system (programme wise) :
Choice based credit system
6. Participationofthedepartmentinthecoursesofferedbyotherdepartments: Mathematics is taught in all three streams: Arts, Science and Commerce
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
Professors		
Associate Professors		
Asst. Professors	03	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.ofph.D. Students Guidedforthe
S. S. Dhure	M.Sc., NET	Assistant Professor	-----	17 yrs and 8 months	Nil
V.s. Yeole	M.Sc., B.Ed., M.Phil	Assistant Professor	-----	06 yrs 06 months in Sr.College 17 yrs in Jr College	Nil
R.B.Thakare	M.Sc., NET	Assistant Professor	-----	13 yrs	Nil
Pritesh kalan	M.sc. SET & NET	Assistant Professor	-----	5 yrs	Nil

11. List of senior visiting faculty: 1) Reshma Gaikwad 2) Abhishek Gurav

3) Nitin Katke

12. Percentage of lectures delivered and practical classes handled (programme wise)

By temporary faculty : 20%

13. Student-teacher ratio (programme wise) :
F.Y.B.Sc – 35 : 02
SY.B.Sc – 20 : 03
T.Y.B.Sc – 06 : 04

14. Number of academic support staff(technical) and administrative staff; sanctioned and filled : Nil

15. Qualifications of teaching faculty with dsc/D.Litt/Ph.D/mphil/PG.
(see item no.10)

16. Number of faculty with ongoing projects from a)National b)International funding agencies and grants received: One – S. S. Dhure, received teacher fellowship of two years for Ph.D. From UGC. (27/03/2012 – 26/03/2014)

17. Departmental projects funded by DST-FIST;UGC, DBT, ICSSR,etc.and total grants received : One major project applied to UGC by V. S. Yeole

18. Research centre/facility recognized by the university : Nil

19. Publications:

* a) Publication per faculty

- * Number of papers published in peer reviewed journals(national/
International)by faculty and students :

S. S. Dhure – 01 published in International journal, 01 accepted (preprint) in international journal.

*number of publications listed in international database (For Eg:Web of Science, Scopus,humanities international complete, Dare Database- International social sciences Directory, ebscohost, etc.)

*Impactfactor : 0.821 &1.1147

*h-index : --

20.Areas of consultancy and income generated: Nil

21. Faculty as members in

A) National committees b) international committees

C) Editorial boards: Mr. S.S.Dhure is on advisor on y board of

22. Student projects

Percentage of students who have done in-house projects including inter-departmental/programme:

F.Y.B.Sc : Posters / charts as a part of project – 50%

SY.B.Sc : 100% *

T.Y.B.Sc : Nil

* A booklet on Ramanujan, great Indian Mathematician, was prepared by sybsc students in 2012.

B) Percentage of students placed for projects in organizations outside the institution i.e. in research laboratories/Industry/ other agencies : Nil

23. Awards/Recognitions received by faculty and students :

S.S.Dhure – *Best paper presentation award* at National Conference on Fuzzy Mathematics and It's Applications (FM & A – 2014), Sadguru Gadge Maharaj College, Karad

24. List of eminent academicians and scientists/visitors to the department :

- 1) Prof. S. G. Dani, IIT Mumbai (resource person for science camp)
- 2) Prof. Anil Pedgaonkar, Institute of Science, Mumbai (resource person for workshop)
- 3) Dr. Selbi Jose, Institute of Science, Mumbai (subject expert for interviews - FIP)

25. Seminars/Conferences/Workshops organized & the source of funding

A) National : Nil

B) International : Nil

A college-level workshop was conducted on “Algorithmic trends in Mathematics” by the department on 07/09/2013. Prof. Anil Pedgaonkar, Head of the Dept, Mathematics, Institute of Science, Mumbai was the resource person. Students from the departments of I.T., Physics, Statistics also attended the same.

26. Student profile programme/course wise: Data with the administration

27. Diversity of Students

Name of the	% of students from the same state	% of students from other States	% of students from abroad
F.Y.B.Sc	80%	20%	Nil
SY.B.Sc	90%	10%	Nil
T.Y.B.Sc	100%	Nil	Nil

28. How many students have cleared national and state competitive examinations such as net, SLET, GATE, Civil services, Defense services, etc.? : N.A

29. Student progression

Student progression	Against % enrolled
Ug to pg	50 % (average)
Pg to m.Phil.	N.A.
Pg to Ph.D.	N.A.
Ph.D. to post-Doctoral	N.A.

Employed	
<ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	Nil
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

- A) Library
- B) Internet facilities for staff & Students
- C) Class rooms with ICT facility d)

Laboratories

31. Number of students receiving financial assistance from college, university,

Government or other agencies: One student in F.Y.B.Sc (Prachi Barsinge – for academic year 2012-13)

32. Details on student enrichment programmes (special lectures/workshops/

Seminar) with external experts :

1) Science camp in the month of September 2013, resource person Prof. S. G. Dani, IIT, Mumbai.

2) Workshop on “Algorithmic trends in Mathematics” by Prof. Anil Pedgaonkar, Head of the Dept, Mathematics, Institute of Science, Mumbai on 07/09/2013. Students of I.T., Physics, Statistics also attended the same.

33. Teaching methods adopted to improve student learning: 1) Remedial teaching

- 2) Revision lectures 3) Providing notes 4) Using Mathematical softwares like Maple, Mathematica, Matlab, Scilab

34. Participation in institutional social responsibility (ISR) and extension activities: Nil

35. Swoc analysis of the department and future plans:

Strength – (i) Full fledged department with experienced teachers

(ii) Good references available in library.

(iii) Good student – teacher interaction (rapport)

(iv) Personal guidance to individual students.

Weaknesses – (i) Less number of admissions in F.Y.B.Sc, hence less number of students coming to Mathematics.

(ii) Students from weaker background.

Opportunity – (i) Challenging task to teach students from weaker background.

(ii) Doing research for teaching staff.

(iii) Being government college students can study better mathematics in nominal fees.

Challenges – Due to professional courses, number of students coming to regular Mathematics is less.

36. Other information : Faculty achievement

Sr No.	Name	
1	S. S. DHURE	i) Completed FIP of two years (27/03/2012 – 26/03/2014) for Ph.D. ii) Published 1 research in international Journal and 1 more is accepted in another international journal. iii) 1 paper is published in proceedings of national conference and 3 more accepted in proceedings of international/national conferences. iv) Presented 11 research papers in international/ national/ state level
2	V.S.YEOLE	i) Poster paper on Mathematics and Industry presented at National conference ii) Attended National training workshop for women mathematics teacher on Borsuk-Ulam Theorem (23/12/2013 – 28/12/2013) iii) Attended National Workshop on Research methodology. (28/03/2014) iv) Completed certificate course in Yoga (06/02/2014 – 26/02/2014) v) Done refresher course on Applied Mathematics and Statistics in
3	R.B.THAKARE	Done refresher course (08/01/2014 – 28/01/2014),North Bengal University, Darjeeling.
4	PRITESH KALAN	Doing P.hd. At Department of Mathematics in Pune University.

DEPARTMENT OF MICROBIOLOGY

1. Name of the department: **Microbiology**
2. Year of Establishment: **01.06.1988**
3. Names of Programmes/Courses offered: **B.Sc (Microbiology)**
4. Names of Interdisciplinary courses and the departments/units involved: **Nil**
5. Annual/semester/choice based credit system: **Credit based semester pattern.**
6. Participation of the department in the courses offered by other departments **NIL**
7. Courses in collaboration **NIL**
8. Details of courses/programmes discontinued (if any) with reasons: **NIL**
9. Number of teaching posts

	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Asst. Professors	04	03

10. Faculty profile

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students Guided for the Last 4 years
Dr. Swati Wavhal*	PhD, SET	Assistant Professor	Microbiology	22	Nil
Deepa Hirani	M.Sc , SET	Assistant Professor	Microbiology	19	Nil
Nikita Naik	PhD , SET	Assistant Professor	Microbiology	24	Nil
Samadhan Waghmode	M.Sc NET, GATE	Assistant Professor	Microbiology	01	Nil

*Posted as Director, Inst. of Forensic Sciences, in Jan.2012

11. List of senior visiting faculty: **NIL**

12. Percentage of lectures delivered and practical classes handled by temporary faculty:

14.28 %(2014-15)

13. Student-Teacher Ratio (2014-15)

F.Y.B.Sc	7:1
S.Y.B.Sc	3:1
T.Y.B.Sc	3:1

14. Number of academic support staff

Post	Sanctioned	Filled
Technical Staff	04	02
Administrative staff	01	00

15. Qualifications of teaching faculty with DSc/D.Litt/Ph.D/MPhil/PG.

Name	Qualification
• Deepa Hirani	M.Sc , SET
• Nikita Naik	PhD , SET
• Samadhan Waghmode	M.Sc , NET

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 etc. and total grants received

Staff member	PROJECT	Funding agency	Grants
Dr.Swati Wavhal	Anaerobic treatment of polyester fabrics and study its effects on dyeing properties.	University of Mumbai	15,000/-
Dr .Nikita Naik	To study pollution levels in marine waters of south Mumbai and to isolate microbial scavengers thriving on these pollutants having bio-remedial significance	University of Mumbai	15,000/-

Smt.Deepa Hirani	Potability testing of different brands of bottled waters	University of Mumbai	13,000/-
		TOTAL	43,000/-

18. Research Centre/facility recognized by the University : **NIL**

19. Publications:

NAME	PUBLICATIONS
Dr.Swati Wavhal*	03
Deepa Hirani	01
Nikita Naik	05
Samadhan Waghmode	02

20. Areas of consultancy and income generated: NIL

21. Faculty as members in

- | | |
|-----------------------------|-----|
| a) National committees | Nil |
| b) International Committees | Nil |
| c) Editorial Boards | Nil |

Participation in syllabus execution;

- Nikita Naik and Deepa Hirani- Workshop on “Transaction of Revised Syllabus of Microbiology for S.Y.B.Sc -K.C College, 13th July 2009
- Nikita Naik Revised syllabus of T.Y.B.Sc Microbiology, Wilson College & Board of studies, University of Mumbai, 29th April 2010
- Nikita Naik and Deepa Hirani- Credit Based Grading System for F.Y.B.Sc Microbiology syllabus, Bhavan’s college& Board of studies, University of Mumbai, 24th June 2011
- Deepa Hirani, T.Y.B.Sc Microbiology Syllabus Workshop- conducted by Mithibai College and Board of studies in Microbiology, University of Mumbai., 29th APRIL 2013

- Nikita Naik Credit Based Semester and Grading System for Revised F.Y.B.Sc Microbiology syllabus, G.N. Khlasa college & Board of studies in Microbiology, University of Mumbai, 5th July 2014
- Deepa Hirani and Samadhan Waghmode- S.Y.B.Sc Microbiology Revised Syllabus Workshop-VES college, 13 June 2015

22. Student projects

- a) Percentage of students who have done in-house projects

Year	Students' percentage
2011-2012	28%
2012-2013	32%
2013-2014	100%
2014-2015	90%
2015-2016	Two ongoing projects

- b) Percentage of students placed for projects in organizations outside the institution

Third year B.Sc- 70% (08 Third year B.Sc students participated 15-DAYS training program in dairy microbiology at MAHANANDA Dairy, Mumbai.2015)

23. Awards/Recognitions received by faculty and students

Staff:

- Dr. Swati Wavhal- PATENT-CIRCOT,(MUMBAI 2009) on- Microbiological treatment of polyester fabrics to increase the moisture regain and improve the wear comfort properties, Published 2010
- Smt. Nikita Naik- Awarded second place in Poster presentation, National symposium on “Modern Research Trends and Applications in Life Sciences” 9th February 2013

Students:

- Ms. Sneha Sawant -T.Y.B.Sc student received the best poster award in National conference “Frontiers in the field of science and technology, and sustainability “14th - 15th Feb 2014.
- Research project of F.Y.B.Sc students- Pournima, Fatima,Aishwarya,Pratik won Second prize in the BIOMOSAIC-2013 in Wilson college on “Antimicrobial activity of

Carambola fruit extract against some pathogenic organisms”

- Poster presented by F.Y.B.Sc Shrutika, Saba, Snehal, Priyanka, Deepali, Minal, “Qualitative analysis of milk products –ICECREAM”, was placed first in UGC sponsored State level workshop on-MICROBIAL FRONTIERS IN HEALTH AND HYGIENE AWARENESS
- S.Y.B.Sc students- Pratik, Sayali, Aishwarya won The Sajjan Gupta- Konark Memorial Award trophy at K.C.college, in a research meet on 21st & 22nd Jan 2015 for their research project on –“Antibacterial activity of thermophilic actinomycetes”
- S.Y.B.Sc students- Mannan, Aishwarya won IInd prize in Quiz competition- Biozest held in Patkar College.
- F.Y.B.Sc students-Subiya, Sanoong won consolation prize in Quiz competition – Biomosaic held in Wilson College.
- S.Y.B.Sc students- Sabina won I st prize in Colony cluster competition in Genesis held in JaiHind College in August 2015.
- S.Y B.Sc student- Sanoong received the best speaker award in debate competition in Genesis held in Jai Hind College in August 2015.
- S.Y B.Sc student- Sanoong received the first prize in essay writing competition in Genesis held in Jai Hind College in August 2015.

24. List of eminent academicians and scientists/visitors to the department

Year	Visitors/ Institutes	Name of the resource person	Topic
February 2009	G.N.Khalsa college	Dr. Rupali Hire	Bioinformatics
February 2009	ACTREC Institute	Shri.NikhilGadhewal	Bioinformatics
November 2011	National Institute of reproductive health	Dr.AnurupaMahitra	Biotechnology in health and Diseases-Recent Advances
February 2012	Labo Needs	Shri.MaheshJagtap	Techniques in Molecular Biology
August 2012	Daily Dump	Shri. Anil Ranglani	Composting
August 2012	Microsat Bio Lab	Shri. MandarKarkhanis	Impact of environment and food habits on human health
June 2013	Techno source	Ms.YogitaBirje	Hands on training in GEL ELECTROPHORESIS

February 2014	LaboNeeds	Shri. Mahesh Jagtap	Techniques in Molecular Biology
December 2014	Director, Int.ofForensic sciences ,Aurangabad	Dr. S.G. Gupta	Microbial technologies for the improvement of human health and environmental hygiene
December 2014	Associate Professor & Head, Department of Microbiology, Govt. College of Arts and Science, Aurangabad	Ms.RohiniKulkarni (Pandhare)	Gene therapy: An innovative therapeutic approach.
December 2014	Clinical biochemist, Research fellow of Indian council of medical research	Dr.Shekhar Nerurkar.	Electrophoresis an effective technique in protein analysis
December 2014	NirmalaNiketan Head of Department, Foods, Nutrition and Dietetics	Ms. Nina Dias	Nutrition and Health - A Focus On A Preventive Nutritional Approach To Health
December 2014	Head and Associate Professor, P.G. Department of Microbiology, The Institute of Science,	DR.R.B.Vaidya	Good microbiological practices of hygiene to control dispersal of infections
December 2015	Med-Skills	Ms. Aanchal Gupta	Sterilization-Applications in Industries

25. Seminars/Conferences/Workshops organized & the source of funding

No. of workshop: 04(State level:01 and Institutional level:03)

- Workshop on **BIOINFORMATICS** was conducted on 3rd February 2009
FUNDING: Elphinstone college & student participation
- **GREEN MISSION FOR SUSTAINABLE LIFE.** (waste management by the process of composting by daily dump)-by Anil Ranglani (2013-014)
FUNDING: Microbiology association –Sukshma Srishti& student participation

- The Department of Microbiology, under the auspices of the Microbiology Association ‘Sukshma Srishti’, organized a 2-days workshop on ‘**Health & Hygiene**’, on 28th & 29th August 2012. The workshop saw 94 registrations of students and staff. There were various events like Talks, Poster exhibition, Skits, screening of Documentaries and Demonstration Practical over two days.

FUNDING: Microbiology association –Sukshma Srishti & student participation

- **UGC sponsored State level workshop on-MICROBIAL FRONTIERS IN HEALTH AND HYGIENE AWARENESS-2nd,3rd December -2014**

The workshop saw 140 registrations of faculty, research scholars, post graduate and under graduate students across the state of Maharashtra .various colleges affiliated to Mumbai university participated for the Quiz and poster competition. There were 35 participants at the undergraduate level and 12 postgraduate entries. The posters presented covered various current topics related to recent infections, epidemics, therapeutics, probiotics and nutrition.

Funding: UGC

26. Student profile programme/course wise: 2014-2015

Name of the Course/ programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
F.Y.B.Sc	23	17	03	14	77
SY.B.Sc	12	12	03	09	100
T.Y.B.Sc	09	09	01	08	67

27. Diversity of Students:

Name of the Course	%of students from the same state	%of students from other States	%of students from abroad
FYBSc	100%	-	-
SYBSc	100%	-	-
TYBSc	100%	-	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? Nil

29. Student progression 2014-2015

Student progression	Against % enrolled
UG to PG(2014-15)	60% of students enrolled
PG to M.Phil.	-
PG to Ph.D.	-
Ph.D to Post-Doctoral	-
Employed	
•Campus selection	80%
•Other than campus recruitment	
Entrepreneurship/Self-employment	-

30. Details of Infrastructural facilities

a) Library **Departmental library**

- Library Houses more than 300 books Genetics, medical microbiology, Industrial microbiology , Bioprocess technology and food microbiology
- Departmental Book Bank Houses over 100 books for easy access to the students

b) Internet facilities for Staff & Students : **Yes**

c) Class rooms with ICT facility: **Yes**

d) Laboratories: **Well-equipped laboratory**

31. Number of students receiving financial assistance from college, university

This data is available at the institutional level

32. Details on student enrichment programmes with external experts

Sr. No.	Programme	Year
1.	Workshop on Bioinformatics	2009
2.	Certificate course for 15 students was conducted on "Microbiological Techniques" under the UGC equal opportunities scheme	7 th Dec-28 th Feb2014
3.	Certificate course on -'Vinefication technology'	December 2015
4.	GREEN MISSION FOR SUSTAINABLE LIFE. (waste management by the process of composting by daily dump)-by Anil Ranglani	August 2012
5.	Workshop on 'Health & Hygiene' Talks, Poster exhibition, Skits, screening of Documentaries and Demonstration Practicals	August 2012
6.	State Level UGC sponsored workshop 'MICROBIAL FRONTIERS IN HEALTH AND HYGIENE AWARENESS'	December 2014

Apart from the above mentioned enrichment activities, Department arranges students' visits and give projects to students which usually culminates in their project work being presented in various conference, research meets and workshops.

List of projects undertaken by the students under the guidance of department faculty and presented posters in State/National level conferences.

2013-14

Topic of the project	Names
Antimicrobial properties of coffee extract on organism causing dental caries	SnehaSawant ,DeepaHirani
Evaluation of bioremediation of naphthalene using native bacteria	Sravannan,DeepaHirani
Isolation of protease producing bacteria from milk sample	Meenakshi,DeepaHirani
Bacteriological analysis of panipuri sample from street vendors	Pooja,DeepaHirani
Green synthesis of silver nanoparticles using turmeric, cardamom, and cinnamon	Manasi,HansaBoricha
Isolation and characterization of bioactive compounds from marine bacteria	Umesh, HansaBoricha
Estimative cumulative radiation exposure and lifetime attributes risk (LAR) of radiation induced cancer from	Sujit,HansaBoricha

ionizing and non-ionizing radiation.	
Isolation and characterization of phosphate solubilising bacteria and their plant growth promoting activity.	Mannan,Soni,Aishwarya,Ri shikesh,NikitaMalavkar.
Antimicrobial activity of Carambola fruit extract against some pathogenic organisms	Pratik,Pournima,Fatima, Aishwarya Nikita Malavkar.
Isolation and characterization of bacteriocin producing lactic acid bacteria.	Amrin,Sachin,Ovais,Nikita Malavkar.
Isolation and characterization of pigment producing bacteria from fruit sample.	Sayali,Shreya,Pratima,Hars hada,NikitaMalavkar.
Effect of turmeric on preservation of milk.	,Madhu,Priyanka,ShresthaM athur,Blessy George.
Antimicrobial effect of triphala extracts on bacterial isolates from contaminated lens and lens solution.	Ankita,Snehal,Swapnil,Shre sthaMathur
Comparative analyses of efficacy of cow dung and cow urine with common house -hold disinfectant	Damini,Shrutika,Sailee,Shre sthaMathur
Detection of effect of trans-fat on used and unused oil samples.	Tejas,ManasviShresthaMath urBlessy George.

2014-15

Antimicrobial effect of natural ingredients on urinary tract infection causing agents	JadhavShrutika ,PatilSnehal ,PednekarMansvi, SawantDamini, ShindeSailee.
To study the antibacterial activity of ThermophilicActinomycetes.	AishwaryaWarang, Pratik Ghag, SayliBhosle
To study the efficacy of different brands of hand sanitizers	MananParmar ,Rishikesh Mishra, SoniGaikwad, AishwaryaKudale,.
To study the antimicrobial effect of different soaps	PatilAsawari, PednekarVaibhavi, More Dipti, DhanuVishakha,
Study the effect of acne medication on facial skin flora	Subiya,Suraj,Sabina,priyanka&Dipti,
Qualitative analysis of milk product –Ice cream	Shrutika.Saba,SehalPriyanka,Deepali,Minal,
Dengue	Atul,Priyanka,Tanvi
An entomological Study on the Dengue vectors during Outbreak of Dengue in Mumbai	SayaliBhosale,
Study of efficacy of garlic extract on pathogenic microorganisms	ChinchkarAnkita, BagdekarNeha, MhatreTriveni,
Antibacterial activity of ubtan powder.Screening of the antimicrobial activity of various plant extracts.	Fatima khan, Harshadasarang, PratimaWalunj, Shreyakashte,

VISITS

2011-12

- S.Y.B.Sc students were taken for a visit to Worli Dairy
- S.Y.B. Sc and T.Y. B. Sc students were taken to Institute of Packaging- SIES INSTITUE, Andheri MIDC on 1-2-2012.

2012-13

- Second and Third year students visited INDIAN INSTITUTE OF PACKAGING .Andheri
- Third Year students were taken for a visit to Bombay Veterinary College,Parel on for a demonstration on Virology practical
- Thrid year B.Sc students –Advance Centre for Treatment and, Research and Education in Cancer-ACTREC,,Kharghar.
- Visit to NMIMS school of sciences organized for T.Y.B.Sc students on 11-01-2013 wherein students were exposed to working of latest instruments in the field of biological research, such as, PCR, Electrophoresis, UV-Visible Spectrophotometer, IR spectrophotometer, Flame photometer, ELISA, ATC lab, etc.
- Visit to PTC lab on 28-12-2012 for T.Y.B.Sc students -students had hands on training on plant tissue culture experiments

2013-14

- Visit to Vermicomposting site for S.Y.B.Sc studentson 28-02-2014.
- Visit to NMIMS school of sciences organized for T.Y.B.Sc students on 6-12-2013 wherein students were exposed to working of latest instruments in the field of biological research, such as, PCR, Electrophoresis, UV-Visible Spectrophotometer, IR spectrophotometer, Flame photometer, ELISA, ATC lab, etc.
- Visit to PTC lab for T.Y.B.Sc students -students had hands on training on plant tissue culture experiments

2014-15

- The first year students were taken for a visit to Institute of Science, on 11th February 2015, for exposure to the modern instruments used for research.
- The third year students visited Bombay Veterinary College, Parel on 21st February 2015 for a demonstration on Virology practical.
- The third year students also visited the PTC laboratory on 7th February 2015 for hands on training in plant tissue culture

2015-16

- Visits to NMIMS School of sciences organized for T.Y.B.Sc students on 5-12-2015 wherein students were exposed to working of latest instruments in the field of biological research, such as, PCR, Electrophoresis, UV-Visible Spectrophotometer, IR spectrophotometer, Flame photometer, ELISA, ATC lab, etc.

33. Teaching methods adopted to improve student learning

- Students are given projects related to the syllabus.
- ICT and other technological advances are used for better understanding of the topics
- Students are encouraged to participate in seminars, debates, group discussions, Quiz etc which provides them a platform for expression and better understanding of the subject

34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Students from microbiology Department are enrolled in Lifelong extension activity under university of Mumbai wherein they carry out projects of social relevance and reach out to the community at large.

Year	Activity	Participation of students
2011-12	Analysis of road side food samples	Third year students
2011-12	Analysis of drinking water samples from government offices	Student of second and third year
2012-13	Analysis of juices, food samples, water from vendors	Presented posters to create social awareness in UDAAN festival
2012-13	Microbial World, General Hygiene, Spread of Air borne diseases like Tuberculosis, Swine flu and Common cold, GI tract diseases	Poster presented for Social awareness
2012-13	General hygiene practices in day-to-day life'	Skit performed

	, 'Unsafe tattooing and its effects'	
2013-14	Projects related to antibacterial properties of natural products, health and hygiene were undertaken	Presented as posters and presentations in various colleges
2015-16	Microbial analysis of drinking water on college campus; Isolation of plastic and paint degraders from natural environment	Undertaken as research projects

35. SWOC analysis of the department and Future plans

Strength

- Qualified experience staff
- Inculcating scientific research temper in students through minor research projects.
- Training students in microbiological techniques to equip them to work in pathological laboratories and biotech industries.
- Exposing students to Industrial training, Hospital and pathology labs, Research institutes for future prospects

Weakness

- Space constraint
- Vacant post
- Transferable staff

Opportunity

- Collaboration with food and pharmaceutical industry and research organizations
- Provide consultancy services

Challenges

- Several colleges in the vicinity offer B.Sc Microbiology
- low density of residential area

DEPARTMENT OF PHYSICS

1. Name of the department: **Department of Physics**
2. Year of Establishment: **1/1/1937**
3. Names of Programmes / Courses offered: **UG B.Sc. Physics**
4. Names of Interdisciplinary courses and the departments/units involved: **Nil**
5. Annual/ semester/choice based credit system (programme wise)
SEMESTER (CREDIT BASED GRADING SYSTEM)
6. Participation of the department in the courses offered by other departments: **YES**
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
Professors	-	-
Associate Professors	-	-
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. Students guided
Dr. Smt.J.S.Desai	M.Sc. Ph.D B.Ed.	Assistant Professor	Adv. Electronics	31	Nil
Dr. V. A. Pai	M.Sc. Ph. D	Visiting	Solid state physics	Ex- Principal and H.O.D.	Nil
Shri Vinod Mhaske	M.Sc.	C.H.B.	Solid state Electronics	03	Nil
Kum Sameera	M.Sc.	C.H.B.		02	Nil
Shri Pravin Tirmali	M.Sc.	C.H.B.	Electronics and telecommunication	05	Nil

Smt. Nirmala Suryavanshi	M.Sc.	C.H.B.	Electronics	01	Nil
Kum. Archana Dhumal	M.Sc.	C.H.B.		01	Nil

11. List of senior visiting faculty: **Dr. V. A. Pai (Ex Principal I.Y. College, Mumbai)**
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

Class	Percentage of Lectures & Practicals
F.Y.B.Sc	100%
S.Y.B.Sc	62%
T.Y.B.Sc	40%

13. Student -Teacher Ratio (programme wise)

Program details	Student -Teacher Ratio
F.Y.B.Sc	38:3
S.Y.B.Sc	20:3
T.Y.B.Sc	11: 5

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Post	Sanctioned	Filled
Lab Assistant	01	01
Lab Attendant	04	04

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG. /Ph.D.

Name of faculty	Qualification
Dr. Smt.J.S.Desai	M.Sc., Ph.D, B.Ed.
Dr. V. A. Pai	M.Sc. , Ph. D
Shri Vinod Mhaske	M.Sc.
Kum Sameera	M.Sc.
Shri Pravin Tirmali	M.Sc.
Smt. Nirmala Suryavanshi	M.Sc.
Kum. Archana Dhumal	M.Sc.

16. Number of faculty with ongoing projects from
- a) National-**Nil**
- b) International funding agencies and grants received- **Nil**

17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received from UGC Rs. 1, 30,000/-
18. Research Centre /facility recognized by the University - Nil
19. Publications:No
 - * a) Publication per faculty- Nil
 - * Number of papers published in peer reviewed journals (national / International) by faculty and students- Nil
20. Areas of consultancy and income generated : Nil
21. Faculty as members 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 institution i.e.in Research laboratories/Industry/ other agencies- **Nil**
23. Awards / Recognitions received by faculty and students - **Nil**
24. List of eminent academicians and scientists / visitors to the department- **Nil**
25. Seminars/ Conferences/Workshops organized & the source of funding: **Nil**
26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
FYBSc	31	31	27	4	90
SYBSc	18	18	15	3	100
TYBSc	11	11	7	4	100

*M = Male *F = Female

27. Diversity of Students: This data is available at aggregate level

Name of the Course/programme (refer question no. 4)	%Students from same state	% Students from other state	% Students from other country
FYBSc	31	-	-
SYBSc	18	-	-
TYBSc	11	-	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? One student selected in Combined Defense Service in 2014- Nil

29. Student progression

Student progression	Against % enrolled
UG to PG	15%
PG to M.Phil.	N.A.
PG to Ph.D.	N.A.
Ph.D. to Post-Doctoral	N.A.
Employed • Campus selection • Other than campus recruitment	15%
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

- a) Departmental library- Yes
- b) Internet facilities for Staff & Students Wi-Fi- Yes
- c) Class rooms with ICT facility Available- Yes
- d) Laboratories- Yes (2 for Jr. College & 2 for Sr. College)

31. Number of students receiving financial assistance from college, university, government or other agencies: This data is available at the aggregate level.

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

A lecture given by Shri Mahesh Samant (Research student in University of Mumbai) on 5th Sep 2013 on topic “NanoTechnology”

33. Teaching methods adopted to improve student learning:

Department of Physics Elphinstone College arranged visit to BARC for Physics Utsav 2015 on the occasion of National Science Day. Second and third year students of Physics (21 Students) and two teachers reached BARC at 9 am at Homi Bhabha National Institute. In Central Complex one detailed film was shown on the research areas of BARC starting from agricultural products to Gamma ray spectroscopy. There was a popular lecture by DR Vivek Datar on “A tale of two particles – Higg’s Boson and neutrino “. It gave the expertise of BARC in preparing electromagnets for LHC (Large Hadron Collision) experiment in CERN. He also explained the neutrino detecting laboratory constructed in Pottipuram, Theni, and Near Madurai. Students were excited with this talk. In the gap there was a small quiz conducted where two of our students got the prizes.

After lunch visits were arranged to various places in BARC

- 1) DHRUVA Reactor – It is a fully Indigenous nuclear reactor where actual nuclear fission occurs. Students study this in theory but actually observing it and how it is controlled was very exciting. Security at this place was very tight. We were not allowed to carry anything with us.
- 2) Vande Graff Generator – It is a place where different research experiments were arranged and they were shown to students. I) Effect of pressure on materials.ii) Ultrasonic instrumentation for detecting dislocation, defects in materials. Iii) Model of Arihant – Nuclear submarine and many more.
- 3) DRHR- Division of remote handling and robotics.- This place was again an important where handling of nuclear material and nuclear waste by robot was shown . Tele manipulators, Master and slave manipulators, Mechanical manipulators were explained and actual demonstration of a robot who is riding the stair case and getting down from stair case is shown.
- 4) Central Complex – An Exhibition of posters of research done in BARC was arranged.

Visit to TIFR at 19th Dec 2014 with SY and TY BSc for visiting various laboratories

34. Participation in Institutional Social Responsibility (ISR) and Extension activities- Nil

35. SWOC analysis of the department and Future plans

Strength:

1. Good and experienced teaching staff
2. Well equipped laboratories,
3. library with recent text books and reference books.
4. Class room with ICT facility,
5. Department gives extra coaching and remedial classes and can give the result of T.Y.B.Sc to 100%.
6. Department organizes co-curricular and extra curricular activities to increase the confidence in students.

Weakness:

1. Government Job transferrable hence no stability in faculty.

Opportunities:

1. Possibility of Memorandum of Understanding with Institute of Science.
2. Greater exposure to students in TIFR.

Challenges:

1. Desire for pure science is decreasing, Hence we get less no. of students.
2. A lot of workload is carried out through persons appointed on Clock Hour Basis.

DEPARTMENT OF STATISTICS

EVALUATIVE REPORT

The Self-evaluation of every department may be provided separately in about 3-4 pages, avoiding the repetition of the data.

1. Name of the department: **Statistics**
2. Year of Establishment:**1/1/1937**
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)- **U.G**
4. Names of Interdisciplinary courses and the departments/units involved:
The subject of Statistics is taught as a regular component of the syllabi of all the three faculties of Science, Arts and Commerce. In addition, the faculty also engages lectures on certain topics of Statistics included in the courses of subjects such as Sociology, Economics, and Zoology etc.
5. Annual/ semester/choice based credit system (programme wise) : Credit based semester pattern.
6. Participation of the department in the courses offered by other departments:
Sociology, Economics, Zoology
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
Professors	0	0
Associate Professors	0	0
Asst. Professors	02	02

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. etc.)

Upto July 2015

Name	Qualification	Designation	Specialization	No.of Years Experience	No.of Ph.D. Students guided for the last 4 years
Mrs.M.M. Rahatgaonkar	MSc, M.phil.	Asso. Professor	Operations Research(O.R)	UG- 30 yrs PG- 26 yrs	NIL
Dr. Gayatri S. Behere	MSc, PhD	Asst. Professor	O.R.	UG-19 PG-8	NIL
Ms. D. Shaikh	MSc, SET	Asst. Professor	Industrial Statistics	UG-18 yrs	NIL

From August 2015

Name	Qualification	Designation	Specialization	No.of Years Experience	No.of Ph.D. Students guided for the last 4 years
Dr. Mrs. M.M. Sagdeo	MSc, M.Phil, Ph. D. P.G. Diploma in Digital Electronics, NSTPC, MSCIT	Asso. Professor	Statistical Inference, Stochastic Processes, R Programming	UG- 31 yrs PG- 28 yrs Total: 32 Years	Two
Dr.Mrs. N.N.Kasturiwale	MSc, M.Phil, Ph. D. MSCIT	Asso. Professor	Operations Research (O.R.)	UG.& P.G. 32 years	One

11. List of senior visiting faculty: NIL

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: (for the year 2015-16)

Programme / Courses	Percentage
FYBCOM (Theory)	100
FYBSC (Theory + Pract.)	50
SYBSC (Theory + Pract.)	NIL
TYBSC (Theory + Pract.)	50

13. Student -Teacher Ratio (programme wise): (for the year 2015-16)

Programme / Courses	Student- Teacher Ratio
FYBA	2:1
SYBA	-
TYBSC	6:4
SYBSC	11:2
FYBSC	15:2
FYBCOM	240:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled: Nil

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG.

Upto July 2015

Name	Qualification
Mrs.M.M.Rahatgaonkar	MSc, M.Phil.
Dr. Gayatri S. Behere	MSc, Ph.D
Ms. D. Shaikh	MSc, SET

From August 2015

Name	Qualification
Dr. Mrs. M.M. Sagdeo	MSc, M.Phil, Ph. D. P.G. Diploma in Digital Electronics, NSTPC.
Dr.Mrs. N.N. Kasturiwale	MSc, M.Phil, Ph. D.

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:

NIL

19. Publications: after 2010-11

Name	Particulars	International/ National
Dr. G. S. Behere	Papers Published	03(National)
	Paper Published	01 (International)
	Papers presented	07
Ms. D. S. A. Shaikh	Papers Published	01(International)
	Papers presented	03
Dr. Mrs. M. M. Sagdeo	Papers Published	04 (International)
	Papers presented	04 (National)
	Papers presented	10
	Poster Presented	01
Dr. Mrs. N. N. Kasturiwale	Papers Published	03 (International)
	Papers presented	02

*Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) NIL

* Citation Index- Dr. N. N. Kasturiwale :7

20. h-index –Dr. N. N. Kasturiwale: 1

21. Areas of consultancy and income generated :

All faculty members help in statistical analysis in research work of researchers in various disciplines on honorary basis.

22. Faculty as members in

a) National committees b) International Committees c) Editorial Boards -

Dr. Mrs. Meenakshi M. Sagdeo is Member, Editorial Board of Mathematical Sciences International Research Journal from 2012.

23. 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 institution i.e.in
Research laboratories/Industry/other agencies - NIL

24. Awards/ Recognitions received by faculty and students:

Dr. Mrs. Meenakshi M. Sagdeo, Associate Professor and Head, Department of Statistics received a letter of appreciation for research work from the Principal, Ismail Yusuf College, Jogeshwari (E), Mumbai, in 2012.

25. List of eminent academicians and scientists/ visitors to the department

24. Dr. M.K. Mathankar (Associate. Professor, Sydenham College, Mumbai)
25. Dr. V.P. Narkhede (Associate Professor, I.Y. College, Mumbai)
26. Dr. M. M. Sagdeo (Associate Professor, I.Y. College, Mumbai)
27. Prof. Satish Pandit (Dept. of Statistics, Pune University, Pune)
28. Dr. Tim Savage, (Dept. of Statistics and Computer Science,Trinity College, Ireland)
6. Dr. Kumud Kherdekar (Associate Professor, Govt. College, Aurangabad)

26. Seminars/ Conferences/Workshops organized & the source of funding

a) State level : 02

- i) The Department of Statistics organized a Workshop on “SPSS” 2011-12 , funded by ICSSR.
- ii) The Department of Statistics organized a Workshop on “R” programming on 3-8-13.

b) National : 02

- i) The Department of Statistics organized a National Workshop on “Minitab and Research methodology” on 29-30 November 2012, funded by ICSSR.
- ii) Two days National Level Workshop on ‘Statistical Techniques & applications in Management’ held during 19th & 20th September 2014

c) International: 01

- i) The Department of Statistics organized a International Symposium on “Academicians in humanities – Use of Technology in Higher Education” on 13th Feb.2014.

27. Student profile programme/course wise:

This information is available on aggregate level.

28. Diversity of Students

This information is available on aggregate level.

29. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc?

NIL

30. Student progression

Student progression	Against % enrolled
UG to PG	TYBSc. admissions were done in 2013-14 after a gap of 4 years and continued thereafter
PG to M.Phil.	N.A.
PG to Ph.D.	N.A.
Ph.D. to Post-Doctoral	N.A.
Employed <ul style="list-style-type: none"> • Campus selection • Other than campus recruitment 	NIL
Entrepreneurship/Self-employment	N.A.

31. Details of Infrastructural facilities

a) Library: Central Library

About 2000 reference books on Statistics and related disciplines are available in the central library. Also, we maintain a small departmental library for ready reference by students.

b) Internet facilities for Staff & Students: Yes

c) Class rooms with ICT facility: Yes.

Smart board and Laptop are available.

d) Laboratories: Yes

We have 14 computers and a printer in the Statistics Laboratory.

32. Number of students receiving financial assistance from college, university, government or other agencies:

This information is available on aggregate level.

33. Details on student enrichment programmes (special lectures /workshops/ seminar) with external experts: In the last five years , several special lectures and seminars and workshops were organized-

Guest Lectures:

1. Dr. M.K. Mathankar (Asso. Prof.,Dept of Statistics, Sydenham College, Mumbai)- 2011-12

2. Dr. V.P. Narkhede (Asso. Prof.,Dept of Statistics, Ismail Yusuf College, Mumbai)- 2012-

13

3. Dr. M. Sagdeo (Associate Professor, I.Y. College, Mumbai)
2013-14, 2014-15
4. Prof. Satish Pandit (Dept. of Statistics, Pune University, Pune) 2013-14
5. Dr. Tim Savage, (Dept. of Statistics and Computer Science, Trinity College, Ireland)
6. Dr. Kumud Kherdekar (Associate Professor, Govt. College, Aurangabad) 2014-15

34. Teaching methods adopted to improve student learning:

Use of computers, LCD projector, R-software and internet facility.

35. Participation in Institutional Social Responsibility (ISR) and Extension activities: NIL

36. SWOC analysis of the department and Future plans:

- Strength:**
- 1) Availability of computers, software and internet.
 - 2) Highly qualified, experienced and dedicated teachers.
 - 3) Good library.

Weaknesses: Dearth of permanent staff.

Opportunities: Job opportunity through Placement cell.

Challenges: Updating the curriculum as per the market needs.

DEPARTMENT OF ZOOLOGY

1. Name of the department: **Department of Zoology**
2. Year of Establishment: 1/11937
3. Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)
UG- B.Sc. Zoology
4. Names of Interdisciplinary courses and the departments/units involved- **Nil**
5. Annual/semester/choice based credit system (programme wise) - **Choice based credit system**
6. Participation of the department in the courses offered by other departments.
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
Professors	Nil	Nil
Associate Professors	Nil	Nil
Asst. Professors	04	04

10. Faculty profile

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students Guided for the Last 4 years
Rupesh Raut	M.Sc. NET	Asst.Professor	Zoology	07	Nil
Dr. M. V. Kagwade	M.Sc. Ph.D.	Asst.Professor	Endocrinology		Nil
Parag Masram	M.Sc. NET	Asst.Professor	Entomology	03	Nil
Dr. M. D. Kale (Transferred in the academic year 2014-	M.Sc. Ph.D.	Asst. Professor	Animal Physiology	02	Nil

11. List of senior visiting faculty- **Nil**
12. Percentage of lectures delivered and practical classes handled (programme wise)
By temporary faculty- 0%
13. Student-Teacher Ratio (programme wise)

Sr.No	Program details	Student -Teacher Ratio
1	F.Y.B. Sc	16:1
2	S. Y. B.Sc.	4:1
3	T. Y. B. Sc.	3:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled-

	Sanctioned	Filled
Laboratory Assistant	01	01
Laboratory Attendant	02	02

15. Qualifications of teaching faculty with DSc/D.Litt/Ph.D/MPhil/PG.-

Name	Qualification
Rupesh Raut	M.Sc. NET
Dr. M. V. Kagwade	M.Sc. Ph.D.
Parag Masram	M.Sc. NET
Dr. M. D. Kale	M.Sc. Ph.D.

16. Number of faculty with ongoing projects from
a) National funding agencies and grants received- 01. Rs. 360000/- (UGC Minor Research Project)
b) International funding agencies and grants received- **NIL**
17. Departmental project is funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received- 01. Funded by UGC. Rs. 360000/-
18. Research Centre/facility recognized by the University- Nil

19. Publications:

*a) Publication per faculty-

Sr. No.	Name	No.
1.	Rupesh Raut	14
2.	Dr. M. V. Kagwade	03
3.	Dr. Milind Kale	05

* Number of papers published in peer reviewed journals (national/ International) by faculty and students- 22

*Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database-International Social Sciences Directory, EBSCO host, etc.)- 12

*Monographs- 00

*Chapter in Books- 01

* Books Edited- 00

* Books with ISBN/ISSN numbers with details of publishers- 00

* Citation Index-

a) Rupesh Raut- 228

b) Dr. M. V. Kagwade- 07

* **SNIP:**

a)	Journal of Biogeography	1.522
b)	General and Comparative Endocrinology	1.109
c)	Zoological Studies	0.835
d)	Current Science	0.680

* **SJR:**

a)	Journal of Biogeography	2.41
b)	General and Comparative Endocrinology	1.067
c)	Zoological Studies	0.422
d)	Current Science	0.298

***Impact factor-**

a)	Journal of Biogeography	4.863
b)	General and Comparative Endocrinology	2.823
c)	Zoological Studies	1.261
d)	Current Science	0.897

* **h-index-**

a) Rupesh Raut- 7

b) Mrinalini Kagwade - 2

20. Areas of consultancy and income generated- Nil.

21. Faculty as members in

a) National committees-

1. Rupesh Raut- Organizing Secretary- National Conference On 'Frontiers in the field of science , technology and sustainability' .14th& 15th February, 2014
2. Rupesh Raut- Vice- Chairman of Scientific Program Committee – National Conference on Latest Technologies and their applications in Forensic Science and Digital Forensics held on 6th& 7th March, 2012 at Institute of Forensic Science, Mumbai.
3. Dr. M. V. Kagwade- Member National Conference On 'Frontiers in the field of science , technology and sustainability' .14th& 15th February, 2014
4. Parag Masram- Member National Conference On 'Frontiers in the field of science , technology and sustainability' .14th& 15th February, 2014

5. Dr. Milind Kale- Member National Conference On ‘Frontiers in the field of science , technology and sustainability’ .14th& 15th February, 2014

- b) International Committees: Nil
c) Editorial Board: Nil

22. Student projects

- a) Percentage of students who have done in-house projects including interdepartmental/programme- 60%
- b) Percentage of students placed for projects in organizations out side the institution i.e. in Research laboratories/Industry/ other agencies- 0%

23. Awards/Recognitions received by faculty and students-

- a) Rupesh Raut- Awarded Consolation of Honour Prize at UGC Sponsored second National Symposium on ‘Modern research trends and applications in life sciences’ at Elphinstone College, Mumbai on 9th February 2013.

24. List of eminent academicians and scientists/visitors to the department-

- a) Dr. Barsagade- Delivered lecture on ‘Biology and conservation of *Antherea myllita* (tussar silk worm)’ on 14/02/2014.
- b) Dr. Vinay Deshmukh. Retd. Scientist, CMFRI, Mumbai delivered lecture on ‘Marine biodiversity and fisheries’ on 15/02/2014.
- c) Unmesh Katwate- Scientist BNHS. Delivered Guest Lecture for Zoovolution.

25. Seminars/Conferences/Workshops organized & the source of funding

- a) National- National Conference On ‘Frontiers in the field of science , technology and sustainability’ .14th& 15th February, 2014

- b) International: Nil.

26. Student profile programme / course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
FYBSc	97	97	33	64	90
SYBSc	3	3	-	3	67
TYBSc	06	06	01	05	100

27. Diversity of Students:

Name of the Course/programme (refer question no. 4)	%Students from same state	% Students from other state	% Students from other country
FYBSc	95	2	-
SYBSc	3	-	-
TYBSc	06	-	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?- Nil

29. Student progression

Student progression	Against % enrolled
UG to PG	70%
PG to M.Phil.	-
PG to Ph.D.	-
Ph.D.to Post-Doctoral	-
Employed	-
- Campus selection	
- Other than campus recruitment	
Entrepreneurship/Self-employment	-

30. Details of Infrastructural facilities

- a) Library- Departmental library
- b) Internet facilities for Staff & Students: Yes
- c) Class rooms with ICT facility: Yes
- d) Laboratories: 02

31. Number of students receiving financial assistance from college, university, government or other agencies: Nil

32. Details on student enrichment programmes (special lectures/workshops/Seminar) with external experts

- a) Dr. Barsagade- Delivered lecture on ‘Biology and conservation of *Antherea myllita* (tassar silk worm)’ on 14/02/2014.
- b) Dr. Vinay Deshmukh. Retd. Scientist, CMFRI, Mumbai delivered lecture on ‘Marine biodiversity and fisheries’ on 15/02/2014.

33. Teaching methods adopted to improve student learning

The department is actively using tools in ICT to improve student learning. Equipments like LCD projector, Laptops and Visual presenter are regularly used to enhance students’ learning experience. Illustrations from internet are also used to enrich students’ knowledge.

Remedial courses and Bridge courses have been arranged to teach students with lower academic grades. In these courses difficult concepts are explained again and students are guided about writing skills in examinations.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: Parag Masram and Dr. Milind Kale are members of NSS Unit.

35. SWOC analysis of the department and Future plans-

Strengths:

1. Duly qualified, experienced, skilled and enthusiastic faculty members.
2. Full Strength of faculty members

Weakness:

1. Declining number of admissions.
2. Lack of space for expansion of the department.

Opportunities:

1. Department can start Post Graduate course like M.Sc. Zoology.
2. Department has qualified staff to take up research work in advanced fields of molecular biology, entomology, toxicology and endocrinology.

Challenges:

Major challenge for the department is to attract more students for Zoology studies.

Future plans: The department plans to start M.Sc. course in Zoology.

DEPARTMENT OF INFORMATION TECHNOLOGY

1. Name of the department: **Department of Information Technology**
2. Year of Establishment: **June 2001**
3. Names of Programmes / Courses offered (UG, PG, M.Phil, Ph.D., and Integrated Masters; Integrated Ph.D., etc.): **UG B.Sc. Information Technology**
4. Names of Interdisciplinary courses and the departments/units involved: Nil
5. Annual/ semester/choice based credit system (programme wise)- **Semester (credit based grading system)**
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
Professors	-	-
Associate Professors	-	-
Asst. Professors	8	7

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
Dr.Ashwin Mehta	Ph.D.	Asst.Prof	Physics	16
Snehlata Agarwal	MCA	Asst.Prof	Computer Application	6
Vandana kushwaha	M.Sc	Asst.Prof	Computer Science	4
Sana Navsariwala	M.Sc	Asst.Prof	Physics NIIT Eng.	4
Shweta Mistry	M.Sc	Asst.Prof	Information Technology	3
Sana khan	M.Sc	Asst.Prof	Computer Science	3

Priyanka Savla	M.Sc	Asst.Prof	Information Technology	1
Lia Silvera	M.A	Asst.Prof	English	5

11. List of senior visiting faculty: **Smt. Silvera (Communication Skills)**
12. Percentage of lectures delivered and practical classes handled (programme wise)
By temporary faculty: **All teaching staff members are appointed on a yearly contract basis.**
13. Student -Teacher Ratio (programme wise)

Class	Student -Teacher Ratio
F.Y.B.Sc	72:5
S.Y.B.Sc.	68:5
T.Y.B.Sc.	61:7

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled 2 Lab Asst.,2 Office clerk,2 Lab attendant ,1 asst Librarian

Post	Sanctioned	filled
Lab Assistant	01	02
Lab Attendant	02	02
Office clerk	02	02
Asst. Librarian	01	01

15. Qualifications of teaching faculty with D.Sc/ D.Litt/ Ph.D/ M.Phil / PG.: 1 Ph.D

Name	Qualification
Dr.Ashwin Mehta	Ph.D.
Snehlata Agarwal	MCA
Vandana kushwaha	M.Sc
Sana Navsariwala	M.Sc
Shweta Mistry	M.Sc
Sana khan	M.Sc
Priyanka Savla	M.Sc
Lia Silvera	M.A

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: **Nil**
19. Publications: No

Name of faculty	Research Publications	Research Presentation	Books
Dr.Ashwin Mehta	-	-	02

20. Areas of consultancy and income generated: **Nil**
21. Faculty as members in
- A) National committees - **Nil**
 B) International Committees - **Nil**
 C) Editorial Board. - **Nil**
22. Student projects
- a) Percentage of students who have done in-house projects including inter departmental/programme 100% T.Y.students do the projects and 80% of all FY,SY,TY students take part in interdisciplinary program.
- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies 40%
23. Awards / Recognitions received by faculty and students: **No**
24. List of eminent academicians and scientists / visitors to the department - **No**
25. Seminars/ Conferences/Workshops organized & the source of funding- **Nil**
26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
FYBSc(IT)	297	69	51	18	100
SYBSc(IT)	61	61	35	21	100
TYBSc(IT)	56	56	29	23	65

*M = Male *F = Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
FYBSc(IT)	100	-	-
SYBSc(IT)	100	-	-
TYBSc(IT)	100	-	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? One student selected in Combined Defense Service in 2014

29. Student progression

Student progression	Against % enrolled
UG to PG	75%
PG to M.Phil.	N.A.
PG to Ph.D.	N.A.
Ph.D. to Post-Doctoral	N.A.
Employed	
• Campus selection	11 out of 60
• Other than campus recruitment	20 out of 60
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities.

- A separate section is dedicated to books on IT.
- Internet facility is available to Staff & Students with Wi-Fi
- Class rooms with ICT facility available
- Department has two laboratories with 40 computers.

31. Number of students receiving financial assistance from college, university, government or other agencies:

Class	Total no of Student	Male	Female
FY BSc IT	11	9	2
SY BSc IT	8	2	6
TY BSc IT	11	7	4

32. Details on student enrichment programmes (special lectures / workshops / Seminar) with external experts
Presentations by students help to boost their confidence. Guest lectures have been held to expose them to contemporary issues in the IT industry.
33. Teaching methods adopted to improve student- learning :
- Class Teaching along with practicals strengthen the understanding of the students. Tests are conducted from time to time to assess the learning outcome. Home assignments are given to keep the students abreast with the class room teaching. Seminars and project-presentations help students to gain confidence. Field visits are conducted to supplement and support learning. The department has taken students to Jaipur & Udaipur to visit IT industry(2012-13)
Hydrabad to visit BSNL training center to study how telecom works(2013-14)
Simla-manali to visit Power Generation Plant (2014-15)
34. Participation in Institutional Social Responsibility (ISR) and Extension activities - **Nil**
35. SWOC analysis of the department and Future plans

Strength:

- Good teaching staff with a large experience,
- well equipped laboratories,
- library with recent books.
- Class room with ICT facility,
- Department organizes co-curricular and extra curricular activities to increase the confidence in students. Tech tsar is an intercollegiate technical event showcasing technical expertise and skills acquired by students from various colleges. Every year around 60 colleges participate in this event.
- Industrial visits are conducted to facilitate better exposure.
- Despite contract-based appointment of teaching and technical staff, the department has been able to retain the core staff for a reasonably long period of time in recent times.

Weakness:

1. As a self-finance course teaching is carried out by lecturers appointed on yearly contract. This creates a situation of high turn-over rate in the faculty.

Opportunities:

- Students can take benefit of pooled placements by all the national and international companies which conduct campus placement in Mumbai.
- Department can work out e-learning projects by preparing clouds for underprivileged students.
- Students are empowered to set up their own enterprises.

Challenges:

- Space crunch obstructs further development of the department including initiating post graduation course.
- High institutional density offering similar courses creates a challenge of competition.

Certificate of Compliance





Government of Maharashtra's
Elphinstone College
(Estd. 1856)
150, MAHATMA GANDHI ROAD, FORT MUMBAI - 400 032 INDIA
Accredited 'A' Grade by NAAC

Office: (022) 2284 4060
Fax: (022) 2284 3797

Dr. Smt. Madhuri Kagalkar
Principal

E-mail - elphinstone1856@gmail.com • Website - www.elphinstonecollege.ac.in

Certificate of Compliance

(Affiliated / Constituent/ Autonomous College and Recognized Institutions)

This is so certify that Elphinstone College, Mumbai fulfils all norms.

1. Stipulated by the affiliating University (University of Mumbai) and
2. Regulatory Council / Body (such as UGC)
3. The affiliation and recognition (if applicable) is valid as on date.

In case the affiliation / recognition is conditional, then detailed enclosure with regard to compliance of conditions by the institution will be sent.

It is noted that NAAC's accreditation, if granted, shall stand cancelled automatically, once the institution loses it's 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.



M Kagalkar
(Dr. Madhuri Kagalkar)
Principal

Declaration by the Head of the Institution



Elphinstone College
(Estd. 1856)
156, MAHATMA GANDHI ROAD, FORT, MUMBAI - 400 032, INDIA
Accredited 'A' Grade by NAAC



Office: (022) 2284 4060
Fax: (022) 2284 3797

Dr. Sant. Madhuri Kagalkar
Principal E-mail: elphinstone1856@gmail.com • Website: www.elphinstonecollege.ac.in

Declaration by the Head of the Institution

I certify that the data included in this Self Study Report are true to the best of my knowledge.

This Self Study Report is prepared by the institution after internal discussion and no part thereof has been outsourced.

I am aware that the Peer team will validate the information provided in this S.S.R. during the peer team visit.


(Dr. Madhuri Kagalkar)
Signature of the Head of Institution

Place : Mumbai
Date : 27.01.2016



Post Accreditation Initiatives

College is going through second cycle of accreditation. Several quality initiatives have been taken up by the College since then with an active role played by the IQAC. These are summarized criteria-wise as below:

1. Curricular Aspects:

- Bridge courses
- Short term courses for better employability of students.
- Certificate course on Geographical Information System and Remote Sensing.

2. Teaching Learning and Evaluation:

- Three member academic committee to ensure quality of teaching
- ICT based teaching
- State of Art technology in HEPSN
- Hands-on training workshops have been conducted by various departments
- Question papers available in Marathi translation
- Organising Memorial lecture series
- Inter collegiate festival TECHTSAR for B.Sc. IT students

3. Research Consultancy and Extension

- Research committee formed
- Central Research facility
- Symposia conducted
- MoU of HPTLC for consultancy
- Major and Minor research projects
- Students guided to work on research projects of social relevance
- Projects undertaken under the Life-long Learning Scheme of the university.

4. Infra-structure and Learning Resources

- Wi-Fi enabled campus.
- Photo copying facility in library
- INFLIBNET
- Renovation of Auditorium
- Language Lab
- Music/ Film library

5. Student Support and Progression

- Earn and Learn Scheme.
- Coaching for Entry Level competitive examinations
- Fitness Centre

- Gender sensitisation workshops
- Installation of vending machine for provision of hygiene products for ladies
- Helpline by the Counsellor
- Inter-collegiate sports festival ZEAL

6. Governance and Leadership

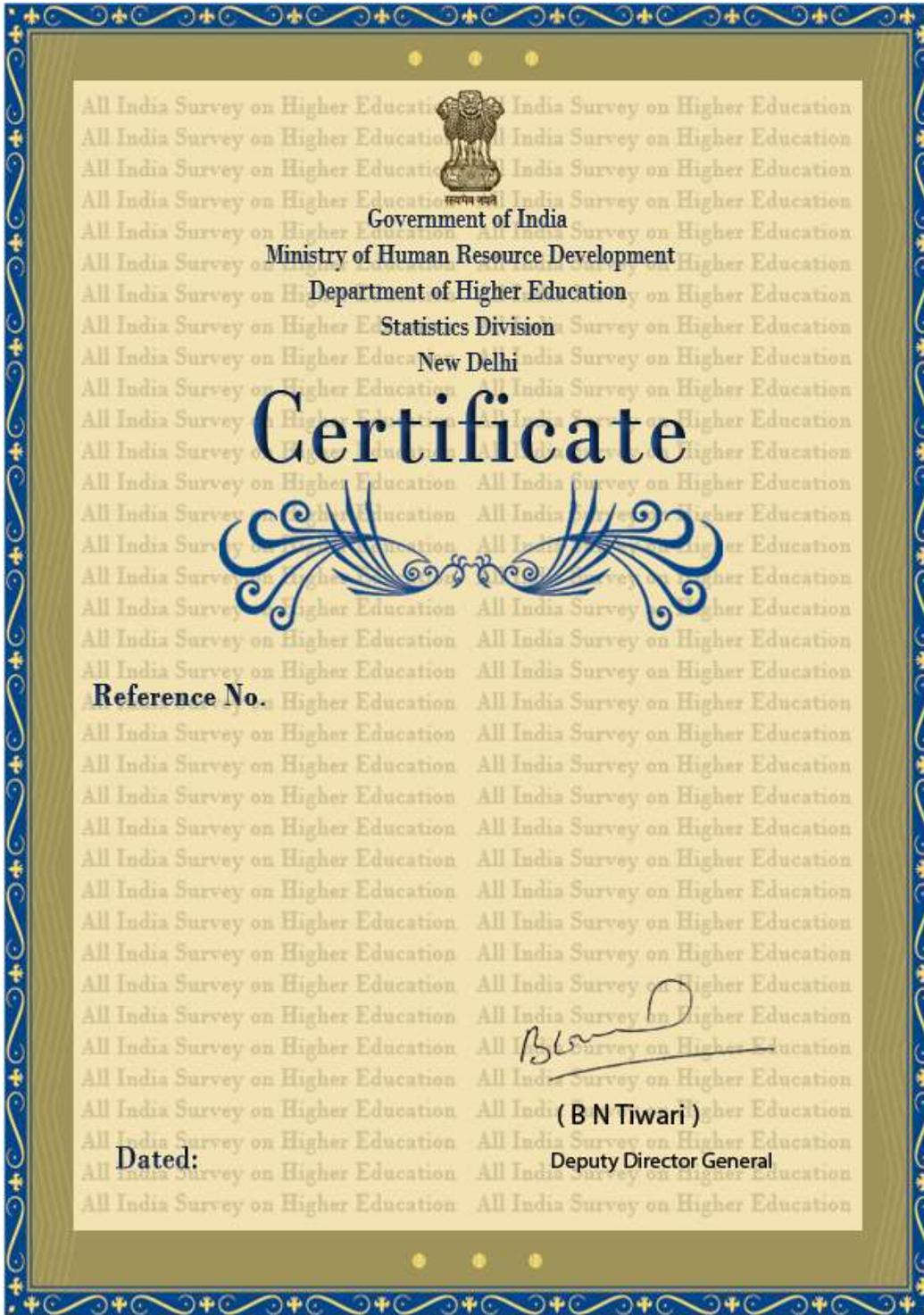
- 27 point program for quality enhancement of overall functioning of government colleges.
- Training of gazetted officers in YASHADA for professional empowerment.
- Suggestion boxes installed
- Active IQAC
- Sports and cultural activities for non-teaching staff
- Programs for stress management and fitness for staff and students
- Health check up camps for staff and students

7. Innovative Practices

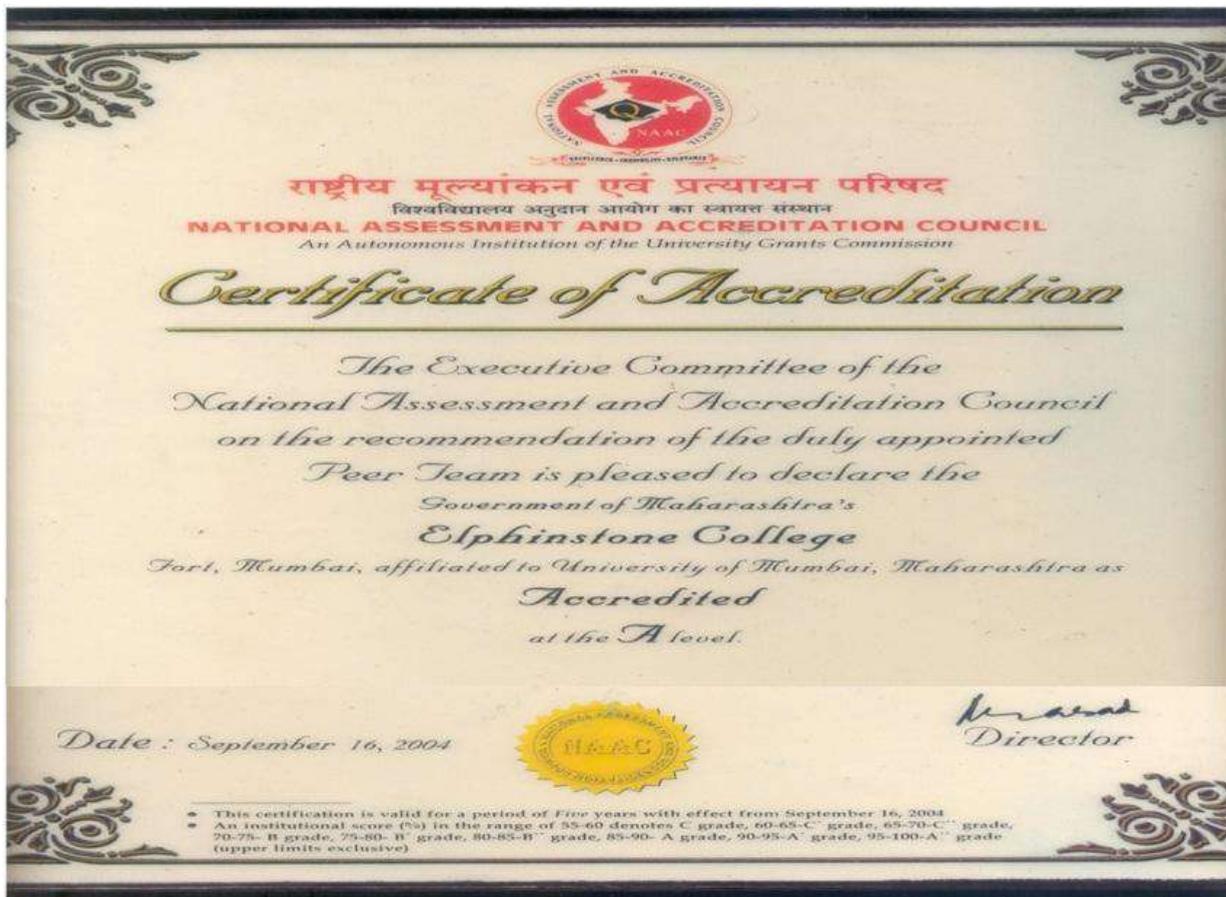
- Music library cum language lab
- Appointment of an In-house Counsellor

Besides, College is a part of proposed cluster university under RUSA (Rashtriya Uchhatar Shiksha Abhiyaan). This is a golden opportunity for the College to take a leap forward in the field of education through academic autonomy. It will enable the College to design and run courses that will be of much value to the students and the society at large. College is likely to step onto the next milestone towards positive transformation under RUSA.

Annexure-I : AISHE Certificate



Annexure- II : Certificate of accreditation.



Annexure III-Peer Team Report of Previous Accreditation.

Draft Report of the Peer Team of the Institutional Accreditation of The Elphinstone College, M.G Road, Fort, Mumbai- 32

Section 1: Preface

The Elphinstone College, Mumbai is a State Government run institution affiliated to Bombay University since 1860. The university grants Commission recognized it under 2f and 12B for developmental grant purposes in 1972. The college has volunteered for assessment and accreditation and submitted the self-study report to NAAC in December 2003.

The NAAC has constituted a Peer Team with Prof. Sahay, Vice Chancellor, Dr. Harisingh Gour Vishwavidyalaya, Sagar, Madhya Pradesh as the Chair and Dr. R Seshadri Naidu, Director, UGC - Academic Staff College, Sri Venkateswara University, Tirupati, Andhra Pradesh as the member coordinator and Dr. Sirali Mehta, Principal, SLU Arts and HPT Commerce College for Women, Ahmedabad, Gujarat as the member. Professor Sahay could not come due to some unavoidable circumstances. Hence the NAAC has authorized Dr. R. Seshadri Naidu to serve as the Chairperson.

The Peer Team visited the college on 26th, 27th and 28th July 2004 and held discussions with various constituents of the college, Government education officers, students, parents and alumni. The members also perused the relevant documents to validate the Self-Study Report.

Started as an English School in 1824 by the Bombay Native Education Society, the citizens of Bombay desired to form Elphinstone Institution to honour Mountstuart Elphinstone, the then Governor of Bombay. The public donated nearly Rs 4.5 lakh to start the Elphinstone College in Bombay to provide Higher Education to the students in the city. In 1863 Sir Cowasji Jehangir Readymoney, Justice of the Peace, Bombay, presented the Government with a sum of Rs 2 lakh in the form of donation to construct suitable buildings for the college. The college has Junior college and Senior college wings offering courses in Arts, Science and Commerce. The college is recognized as a research center by University of Mumbai for carrying out Ph.D. work in English, Hindi, Marathi and History. The college is one of the oldest institutions established in western India to provide educational facilities to various sections of the society. It is a co-education offering institution. Since inception scholarly persons from India and abroad served as the principals and made great contributions to the growth of the college. The college has produced men of repute such as Dadabhai Naoroji,

Justice C. Ranade, Sir Pherozeshah Mehta, Gopalakrishna Gokhale, Bal Gangadhar Tilak, R. G Bhandarkar, B. R Ambedkar, Chimanlal, Yusuf Meherally, Dr. Homi Bhabha and several others in literature, media, education, fine arts, industry, judiciary and sports. The Motto of the college is "Shwasahi Prabandh Hoave" which means "Breathings forth should have become an ordered composition." The Emblem depicts the interests of the institution in Science and Technology, Nature, Beauty, Culture and Art, Intellect and Moral values. The College mission is to continuously promote excellence in all its endeavours and to develop among the students citizenship skills.

Section 2: Criterion-wise Analysis

Criterion I: Curricular Aspects

The college offers undergraduate courses in Arts, Science and Commerce leading to B.A., B.Sc., and B.Com. There are 13 options (in various combinations) in Arts and 10 in Science faculty. It is the only college in the city offering German and Geography for undergraduate students. Foundation course on Science and Scientific Methods and Communication Skills in English are compulsory subjects for B.A. students. The foundation course provides opportunities for Value based Learning. The students have option to study French, German, Hindi or Marathi as one of the languages. The students can study Mass Communication, Travel and Tourism, Introduction to Law, Computer Programming as applied components in second year B.A. The first year B.Sc. students study Social Awareness and Personality Development as a foundation course in addition to languages. The third year B.Sc. students have the option to study Computer Programming, Instrumentation, Marine Science and Drugs and Dyes as applied subjects. Vocational papers such as Travel and Tourism, Advertising, Computer Programming, Marketing Research, Export Marketing and Taxation are offered to B.Com students. As seen from the various diversified courses the college has made sincere efforts to realize the goals and objectives of the institution. Some of the non-core options do help the students to improve communication skills, report writing, and face interviews. The college has introduced self-financing courses in Biotechnology, Information Technology and a novel course in Heritage Management. A noteworthy feature is that, students can attend the subject of his choice for one month at the entry point and can change to a subject of his aptitude later on. The participation of teachers in associations and workshops has helped the teachers to redesign the teaching programmes in a better manner. The college developed networks with neighbouring institutions such as Institute of Science, Alliance Francaise de Bombay, Asiatic Society, Maxnullar Bhatnagar, Forum of Free Enterprise, Prince of Wales Museum, Institute

of Chartered Accountants, KRC Oriental Institute and British Council. Inter-disciplinary and inter-departmental seminar approaches are followed in some of the faculties. The teachers of History, Marathi and English are recognized to guide Ph.D. students. The college can plan for some post-graduate courses based on need analysis.

The college being affiliated, it has no choice except to follow the curricula prescribed by Mumbai University. The college can make attempts to become autonomous which will facilitate to introduce new courses. The college may take necessary action to start short duration Diploma/Certificate courses to meet the requirements of the students. Formal and informal feed-back mechanism of various teaching programmes may be obtained from parents and outgoing students for future review and redesigning of the programmes.

Criterion II: Teaching-Learning and Evaluation

The college admits students into various courses through interviews and past academic record as per State Government and university norms leading to transparency in admissions. The admission into English literature is done through the assessment of basic writing skills. The language departments conduct tests in writing in oral skills to assess the students knowledge. They also conduct discussion, debates, elocution and creative writing. The humanities departments conduct discussions, assignments, debates, oral and written tests and group discussions. The science departments conduct projects, practical and theoretical tests. Extra coaching is provided to the educationally disadvantaged students. Seminars, paper reading, intercollegiate quiz, essay writing and computer aided learning help the advanced learners. The teachers are encouraged to prepare teaching plan at the beginning of the term. The flexibility in curriculum and the teaching styles meet the requirements of different learners. All the departments follow unitized syllabus according to teaching schedule. The Principal monitors the overall progress in the departments. Most of the departments follow interactive methods of teaching in addition to lecture method. Dramas, Kavisammelan, paper presentations, demonstration, Over Head and Slide projectors, use of computers, clay models, field trips, charts, seminars, quiz, workshops, public speaking, art appreciation are some of the interesting interactive activities. The college works for adequate number of teaching days. The departments communicate the syllabus and pattern of evaluation to the students at the beginning of the year. The overall performance of the students is monitored through assignments, tests and discussions. The term-wise evaluation of students by the college itself on behalf of the university during I and II years and the university annual examination at the end of IIIrd year are followed.

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The teachers are recruited as per the Maharashtra State Government procedures. At present 29 Fulltime, 21 temporary and 3 part time teachers are working in the college. The teachers are highly qualified to handle the subjects. The teachers have shown keen interest to participate in seminars and workshops. The performance of the faculty is assessed through self-appraisal method and ratings are given accordingly. The college has implemented the mechanism of student evaluation of teachers. Hindi, Marathi and Political Science departments have organized seminars and workshops on themes of current interest. One UGC major research project and minor project are in progress. Two teachers received Best paper award. One teacher in Marathi was honoured with Sahitya Academy award and two teachers received State Best Teacher award. The teachers developed linkages with overseas universities and national institutions. It is praiseworthy to know that the Oxford University, London has prescribed the books written by English teachers. UNESCO scholarship was awarded to a History teacher. The college has been rated by India Today as one of the 10 best colleges in India for the last four consecutive years.

The college may take appropriate steps to encourage all the teachers to develop innovative teaching methods and publish books. Further, the peer team feels that the Peer Group Evaluation will help to sustain quality of teaching in all the departments. All the departments can try to organize seminars/workshops once in a year for the benefit of students. Suitable rewarding procedures may be evolved to encourage sincere and best performing teachers, every year.

Criterion - III: Research, Consultancy and Extension

Since the college offers only undergraduate programmes, there is no much scope for research activity. However, the college has promoted research through study leave and adjustment in teaching work. The teachers guide the students for project work. Three teachers were selected for UGC Teacher Fellowship during IX Plan period. It is interesting to know that teachers of History and Geography have presented papers at the International Conferences. Three students were selected for exchange programmes at the international level to Japan, Germany and Russia. 16 teachers have completed their Ph.D's 5 completed M.Phil. and 6 have registered for Ph.D. Some of them have shown keen interest to publish research papers. The Mumbai University has permitted three teachers of Marathi, English and History to guide Ph.D. students and 5 scholars are currently working. One UGC major project worth of Rs.1,82,040/- in History and one UGC minor project in History one in Botany were completed.

The college has undertaken extension activities in the areas of Health awareness, Literacy, Aids awareness, Social Work, Medical Camps, Blood donation and Environmental Protection. Student counseling facility is offered by the Lalkaka Behramji Educational Trust. An outreach programme was carried

out on MS-CIT for computer literacy with the help of Maharashtra Knowledge Corporation LTD. As a part of extension activities street plays are staged by the students. The extension activities are also undertaken with the help of NGOs like SOCLEEN, NPCCA, and CITYSPACE, Rotary Club of Bombay. A Thalassaemia Drive under the Mumbai Thalassaemic Society and Red Cross was organized and health awareness and Blood donation camp was undertaken. An exhibition was conducted by SOCLEEN/NPCCA on Noise Pollution. The students of the Geography department managed the kiosk, which was set up at Churchgate station. A tree plantation drive was organized in the college on the occasion of World Green Day. The college has conducted several extension activities to meet the community needs. Some more community oriented extension activities should be encouraged involving all the students and faculty.

Elphinstone college is the center for the HEPSN. This project called Higher Education for People with Special Needs (HEPSN), aims at promoting general awareness about the physically challenged people, and helps them to attain education. HEPSN also promotes gadgets and equipment for the benefit of such students. This special programme deserves appreciation by the peer team

Criterion - IV: Infrastructure and Learning Resources

The Elphinstone College, a grade I historical monument, situated at the heart of the city, was established in 1856. It was shifted to the present Victorian Gothic building in 1888. Apart from its proud historical legacy, the college has adequate modern infrastructure to meet the present day needs of the students.

The campus area is 1440 sq.mts. There are adequate number of lecture halls, laboratories, gymnasium, departmental staff cabins, a staff common room, library, and canteen. There is a multipurpose hall for cultural activities, indoor sports and exams etc. and an open quadrangle at the center of the building.

As the college does not have the entire building to itself and has to be shared by the junior college also, some shortage of space is felt, which could be resolved if the governmental offices could be shifted elsewhere. The proper time slot allocations to various constituents of the college helps for optimum utilization.

The facilities offered by the college in History and Geography are used by research scholars for reference work. The MS-CIT lab is available to staff and students at subsidized rates. Distance education centre, south Mumbai was located at the college till last year.

The science laboratories are well equipped with modern instruments. The newly setup IT lab and Computer centre are geared up to the current requirements.



There are 28 computers and one lap top and LCD projector in the IT lab and 25 in the computer science lab. The configuration is up to date and Internet facility is available in all the systems.

The college has a good library having 1,00,822 books, 7 journals and 6 newspapers. The library has been bestowed with donations of personal libraries from eminent alumni and has a large collection of rare books. New books relating to freshly introduced subjects such as IT and Biotechnology have also been acquired. Computerization of library is underway. In house photocopying and Internet facilities could be provided in the library. There is an advisory committee for the library. Inter- library borrowing facilities with other libraries are also arranged. The students have easy access to the library facility. The record of library users could be maintained and CD library could be built up.

Gymkhana is equipped with modern health equipment for fitness. Basic necessities of students are well taken care of. Water coolers, subsidized canteen, for indoor and outdoor sports are available. The Oval ground nearby is used for outdoor games such as cricket, football, kabaddi etc. Courts are hired at YMCA for practice of Volley ball, basketball etc. Although hostels are not owned by the college, seats are reserved for students in KT Telang memorial hostel, Savitri Bai Phule hostel and government boy's college hostel.

Being a government college, the college building is maintained by the PWD and DPDC. Since it is a heritage monument, restoration is undertaken by PWD in coordination with Kalaghoda association. Donations to the tune of Rs 48 lakhs were collected for this purpose. A pest control contract for 5years was taken and fire extinguishers installed for fire safety.

Criterion V: Student Support and Progression

The average pass percentages of the students is about 75%, which is higher than the average score of Mumbai university.

Participative teaching-learning is encouraged with project work, seminars, and visits to relevant fields. Networking with various local bodies and NGOs, visits and participation are also highly encouraging and increase the exposure of students to such academically informative, real-life experiences.

Students are selected and sent for student exchange programmes to Japan, Germany etc. which is very commendable. During the last four years 6 students got I ranks at the university level.

Answer

There are 28 computers and one lap top and LCD projector in the IT lab and 25 in the computer science lab. The configuration is up to date and Internet facility is available in all the systems.

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Answer

Being an old institution, alumni participation in college affairs is expected, more and more. Several college endowment scholarships are instituted by alumni and the Government.

Activities such as HEPSN for handicapped students and extension programmes inculcating humanitarian values and social concerns are worth mentioning.

Students take active part in games and sports and have won positions in Football and Judo. They are also encouraged to participate in cultural activities such as Maharashtra Vangmay Mandal programmes. Past students have reached notable eminence through their achievements in creative, cultural and public forums at national and international levels. The team appreciate the participation of a student in Wimbledon Men's Singles in 2003 and Australian Open in 2004.

Remedial courses for weaker students are also conducted. Coaching for proficiency in language skills is given. Book banks are to be created for all the departments.

Career guidance and counseling is done informally and restricted to some departments. A permanent placement or employment cell could be more desirable.

The admissions and other detailed information is available to the students in the prospectus and admission merit lists are displayed on the notice boards. The data bank of successful students in competitive examinations could be welcome.

Criterion VI: Organization and Management

The Principal handles the management of the college with assistance from the local advisory committee, head of the departments and staff committees. Teachers carry out many administrative functions in addition to academic duties. There is transparency and accountability. Recruitment of staff is done as per government regulations. Being a government college, prescribed procedures and rules have to be followed, often causing rigidity and delays.

The Principal with the coordination of staff members sets the academic calendar as per decisions of the university and internal schedules.

The registrar looks after the overall supervision of non-teaching staff and housekeeping. Self-appraisal forms of teaching and non-teaching are scrutinized by the Principal and the government. All the staff members are required to clear

the Maharashtra State IT examination to ensure the computer literacy. The office automation is in progress.

Advances and loans are given to the staff at government interest rates and medical facilities as per government rules are available. A co-operative credit society for the staff is available.

Suggestion boxes are kept in the staff room and library. Grievances are looked into by the staff and the principal. A Grievance redressal cell may be formalized and strengthened.

The funds are judiciously used for academic purposes and LF audit verifies the accounts once in 5 years.

The Management has shown initiative in introducing new self-finance courses and resource mobilization for restoration of the building and for student amenities.

Criterion VII: Healthy Practices

Since the inception of the college, there has been tremendous support from the philanthropic citizens of Mumbai to develop the institution.

It is noteworthy that several scholarly persons served as the principals for many years. They include professors from Abroad and India.

The present principal has keen interest in academic and socio-cultural activities and this has helped better human relations.

It is creditable to note that the college has developed its own website with the help of IT students.

Although there are no post-graduate courses in the college, the Bombay university has permitted some Arts Departments to undertake research for the Award of Ph.D. degrees.

The college has the distinction of producing alumni of highest calibre in various fields.

The admissions are given to students from Abroad such as Mauritius and Africa.

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The programs are highly flexible in nature to meet the interests of the students and due to applied components the students have greater employment opportunities.

The Peer Team noticed interesting student centered learning activities in almost all the departments with some variations.

The term-wise assessment of the performance of the students is completely done by the college in the first and second years.

All the teachers are appointed through the Maharashtra Public Service Commission and are found to be active and dynamic. It is interesting to know that even the temporary teachers are appointed by the government. The Oxford University has prescribed the books written by one of English teachers.

The teachers have received State Government Awards, best research paper award and a Sahitya Academy Award. Some of them participated in International Conferences abroad.

Some departments have developed good links with the neighbouring institutions, within and outside Mumbai.

The inter-departmental seminars for the students and the exchange programs to the students for Abroad countries deserve special mention.

Another unique feature is that college is located in Grade I Heritage building and the imposing structure has been nominated for UNESCO's Asia-Pacific Heritage Award for Culture Heritage Conservation for the year 2004.

It is the only college in south Mumbai offering Geography and German for the under-graduate students.

India Today has been rating Elphinstone College as one of the Ten Best colleges in the faculty of Arts, Science and Commerce for the last five years consecutively.

The library is one of the finest collections of rare classics manuscripts, books in Farsi, Pali, Gujarati and Sanskrit.

The college has constituted number of committees to carry out day-to-day work in a democratic manner.

With the help of UGC, the college has initiated a special scheme (HEPSN) to help the disabled students.

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The students have excelled in NCC, games and sports and won prizes on many occasions. The students have also shown good performance in cultural activities.

Section 3: Overall Analysis

The Elphinstone college has made sincere attempts to achieve the mission goals and to promote various skills and values among the students. The Peer Team is impressed with the various aspects of running the institution and its contribution to the higher education. Based on the interactions with the various constituents of the college and the citizens of Mumbai the Peer Team wish to offer the following suggestions for further improvement and sustenance of quality in the future.

For promotion of excellence in higher education, the government may take necessary steps to separate the two colleges and relocate the junior college at some other convenient location.

Short duration certificate/diploma courses relevant to the local needs of the students be introduced on self-financing basis.

The teachers may be encouraged to seek funds for thesis publication and minor research projects from UGC and other funding agencies.

There is ample scope for extension activities in departments like microbiology, botany, chemistry, sociology and commerce.

The college deserves Autonomous status and necessary steps may be taken in this direction for faster academic growth.

The database of various items on student achievements, alumni, employment etc. may be created.

The Parents association and alumni association meetings are to be held as many times as possible. Efforts may be made to harness the services and contributions from the alumni.

The IT department and computer centre services can be utilized in a better manner to promote automation in the college office and the Library. All the teachers and non-teaching staff are to be trained further to use software for academic and administrative purposes. The IT department can develop e-learning packages in various subjects.

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The teachers and students are to be involved to a greater extent in social awareness and environmental protection activities.

More number of Government sponsored activities related to higher education be organized at this college as a nodal centre.

The Peer Team thank the Principal, Steering Committee, Local advisory Committee, the staff and the students for the kind support during the visit to the college. It is hoped that the college will continue to maintain the past glory and produce students of eminence in all fields.

Names and Signatures of the Peer Team

1. Dr. R. Seshadri Naidu
(Chairman and Member coordinator)

Nandu
28/7/04

2. Dr. Sirali Mehta
(Member)

Sirali N. Mehta
28/7/04

N. P. Chara 28/7/2004

Name and Signature of Head of the Institution with Office Seal



Annexure IV: UGC Grant Letter

विश्वविद्यालय अनुदान आयोग
पश्चिम विभागीय कार्यालय
गणेशखिंद, पुणे - ४११००७
University Grants Commission
Western Regional Office
Ganeshkhind, Pune - 411007.



ज्ञान-विज्ञान विमुक्तये

दूरभाष Phone: कार्यालय OFF:- 020 - 25696897
020 - 25691178
फॅक्स Tele Fax.: 020 - 25691477
Website - www.ugc.ac.in

Date: 27.03.2014

F. No 5-88/13(WRO)

**The Principal,
Elphinstone College,
156, M G Road,
Fort,
Mumbai - 400032.**

Elphinstone College
File No. 6892
Dt. 15/4/14
File No.

Subject: XII Plan allocation under General Development Assistance to Colleges.

Sir/Madam,

I am directed to convey the approval of the UGC to **Elphinstone College, Fort, Mumbai- 400032** the XII plan allocation of **Rs.4255650/-** under the "General Development Assistance" for the development of undergraduate and postgraduate education. The UGC in the XII Plan has decided to provide grants under General Development Assistance as 'Block Grant'. The college will have the flexibility to incur expenditure under the following heads as per the needs of the college. Accordingly, grant allocated under GDA to the college is under two object heads viz. Grant-in-aid General (31) and Capital Assets (35).

Capital Assets (35) 80% of total allocation	Grant-in-aid General (31) 20% of total allocation	Total
Rs.3404520/-	Rs.851130/-	Rs.4255650/-

- The above mentioned allocation is meant for the development of undergraduate and postgraduate education.
- The college has to constitute a Planning Board with Principal as Chairman and Heads of departments, IQAC Coordinator, Librarian & Bursar/Senior person from the Accounts department as members
- The Planning Board will finalize allocation to Undergraduate and Postgraduate departments after identifying the heads and deciding on priorities of departments.
- The eligibility criteria for Undergraduate and Postgraduate departments to get assistance under the scheme is given in the XII plan guidelines for Development grant to colleges.
- The Planning Board may refer to the guidelines before finalizing allocation to Undergraduate and Postgraduate departments
- After finalizing the budget allocation for Undergraduate and Postgraduate education, the Planning Board should submit the details as per Annexure - I and Annexure - II in the XII plan guidelines to the UGC (WRO), Pune latest by 30th June 2014.
- Expenditure on construction, extension, and renovation of building should not exceed 50% of the total grant under GDA. The college must inform the requirement of funds or otherwise for construction, extension, and renovation of building before 30th June, 2014 to enable further release of grant under the scheme.
- UGC has already released adhoc on account grant to the college against this XII Plan allocation.

[Handwritten signature]



- The concept of Merged Schemes introduced during the XI Plan has been done away with and no separate grant under the Merged Schemes will be provided during the XII Plan.
- It is also mentioned here that the following schemes which were earlier part of Merged Scheme now will be implemented independently by a dedicated cell of UGC at Head Quarter, New Delhi and separate grant will be provided by UGC under these schemes.
 - (i) Equal Opportunity Cell.
 - (ii) Remedial Coaching for SC/ST/OBC (non-creamy layer) and minority community students.
 - (iii) Coaching for NET for SC/ST/OBC (non-creamy layer) and minority community students.
 - (iv) Coaching Classes for Entry into services for SC/ST/OBC (non-creamy layer) and minority community students.
 - (v) Scheme for persons with disabilities.

Yours sincerely,

[Handwritten signature: P. Batra]

[Dr. (Mrs.) Renu Batra]
Joint Secretary.

Copy to:

1. The Director BCUD/CDC University of Mumbai
2. The Director, Higher Education, Govt of Maharashtra, Central Building Pune-1.
3. Account General, Govt of Maharashtra state, 101, Maharshi Karve Marg, Mumbai -20.
4. Guard file.

[Handwritten signature: P. Batra]

[Dr. (Mrs.) Renu Batra]
Joint Secretary.

UNIVERSITY GRANTS COMMISSION
Western Regional Office
Ganeshkhind, Pune. - 411007

No. F 3-1/2013-14 (Accounts/WRO)

Elphinstone College Mumbai
Inward No. 855f
Date :- 25/7/2013
File No:-

Date: 15.05.14
Phones: (020) 25691477
25691178, 25696897
Fax: (020) 25691477
Web site: www.ugc.ac.in

By Registered Post

The Principal
GOVERNMENT OF MAHARASHTRA ELPHINSTONE
COLLEGE
156, M G ROAD, FORT
MUMBAI - 400032.

Subject: Release of grants through D.D./RTGS.

Sir/Madam,

Please find the enclosed D.D./Cheque pertaining to release of grants-in-aid to your college as per following details;

- Sanction letter reference: - No. F 5-88/13(WRO) dated 18.03.14
- Plan Period: - 12th Plan
- Name of the Scheme: - General Development Assistance (Block Grant to Colleges)
- To your college by way of D.D./RTGS Confirmation No./NEFT/Transfer No : CNRBH14098601681.
- From UGC Bank Name:- Canara Bank
- Dated :- 08.04.14
- Amount: - Rs.680000 /-

Kindly acknowledge the receipt of this D.D./Cheque.

Yours faithfully,
Sd/-

Education Officer
(Naresh Pal Meena)

* Since it is a computer-generated letter, signature is not necessary.

Copy to F. No. 5-88/13(WRO).

Encl: Acknowledgement.

**ACKNOWLEDGMENT FOR THE GRANTS RECEIVED FROM UGC (WRO), PUNE
(TO BE RETURNED IMMEDIATELY ON RECEIPT OF DD/RTGS)**

Dr. Giteshiv
Sarkar
25/7

Me

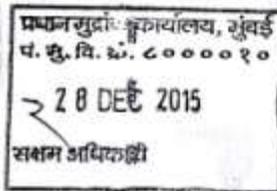
Annexure V: Affidavit for re-issuing 2(f) and 12(b) certificates



महाराष्ट्र MAHARASHTRA

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NY 569687



श्री. अ. वि. कागलकर

AFFIDAVIT

Dr. Madhuri Vasant Kagalkar, an adult Indian inhabitant of Mumbai, Principal of Elphinstone College, 156, M.G. Road, Fort, Mumbai- 400032, do hereby solemnly declare and affirm as under :-

I say that original 2(f) 12(b) Certificate issued by UGC, is currently untraceable from our office.

I say, declare and confirm that I have tried to locate the same to the best of my efforts and I am unable in do so and have despaired of locating the same.



Principal
Elphinstone College,
Mumbai

मुद्रांक विभागाचे पेश्यावचे क्रम _____

मुद्रांक विभागाचे रजिस्ट्री क्रमांक _____

मुद्रांक दिवशीच्यासाठी मॉडेल नं. ११, क्रमांक **4765** दिनांक **-5 JAN 2016**

TR 400

मुद्रांक विभागाचे पेश्यावचे नशी _____ पर्यायकारक मुद्रांक विभागाची नशी _____

पर्यायकारक क्रमांक : ८०८००१०

मुद्रांक दिवशीचे प्रिन्सिपल/काका: श्री. वसुदेव इल्लमजी पाटील
सीमला हटेराजजी मार्ग, मुंबई, पंचमलेखर गेज्जान,
एन. जी. रोड, **5 JAN 2016**, काकाश्रीका, सुंबई - २३

राज्यातील कायदेसंबंधी प्रत्येकास ज्ञान होणे आवश्यक आहे. (महाराज अर्देश क्र. ०१/०८/२००४ मुद्रांक
कायदाची आवश्यकता नाही. (महाराज अर्देश क्र. ०१/०८/२००४ मुद्रांक)

ज्या कायदासाठी ज्यांनी मुद्रांक करारी केला त्यांनी त्याच कायदासाठी मुद्रांक स्विकारून घ्यावे. (महाराज अर्देश क्र. ०१/०८/२००४ मुद्रांक)

I am making this affidavit to submit before the concerned authorities for issuing Duplicate Certificate from concern authority as early as possible.

I say and declare that in event of the said above mentioned certificate is recovered or found, I agree to forthwith return the same to the concern authority immediately.

I say that the above submission and declaration are true and no portion thereof is false and I have concealed nothing material or relevant to the matter.

Whatever stated hereinabove is true and correct.

Solemnly affirmed at Mumbai

On this 5th day of January, 2016.

M. Kulkarni

DEPONENT
Principal
Elphinstone College,
Mumbai



ATTESTED BY ME

S. K. Shetty

S. K. SHETTY B.A., LL.M.
ADVOCATE
NOTARY GOVT. OF INDIA
8, "Prakash", Bestant Street,
Santacruz (W), Mumbai - 400 054

5 JAN 2016



Annexure VI: Link to UGC list of colleges under 2(f) & 12(b)

Universities & Colleges

- College Under Section 2(f) & 12(b)
- Autonomous Colleges
- College With Potential for Growth
- Academic Staff Colleges
- Universities (UGC)
- Central Board of Secondary Education (CBSE)
- State Scientific Research
- Visiting Committee Reports
- Central Universities
- State Universities List
- Deemed Universities
- Private Universities
- Fake Universities

Colleges under section 2 (f) & 12(b) of the UGC Act 1956

List of College pending to include under Section 2(f) & 12(b) of the UGC Act 1956 due to non-completion of documents from the Colleges

Consolidated List of Colleges under sections 2(f) & 12(b) as on 31.07.2019

The University Grants Commission (UGC) provides financial assistance to eligible colleges which are included under Section 2(f) and declared fit to receive central assistance (UGC grant) under Section 12 (b) of UGC Act, 1956 as per approved pattern of assistance under various schemes.

* The UGC had notified Regulations for recognition of colleges under Section 2(f) of the UGC Act, 1956. The colleges are brought under the purview of UGC in terms of these Regulations as and when the proposals are received from the colleges for inclusion under Section 2(f) and they are found fit for inclusion as per the provisions contained in the Regulations.

** Apart from inclusion of colleges under Section 2(f), the UGC includes the Colleges under Section 12(b) of its Act in terms of Rules framed under the Act. This makes the colleges eligible for central assistance from the Government of India or any organization receiving funds from the Central Government.

Colleges Search by State:

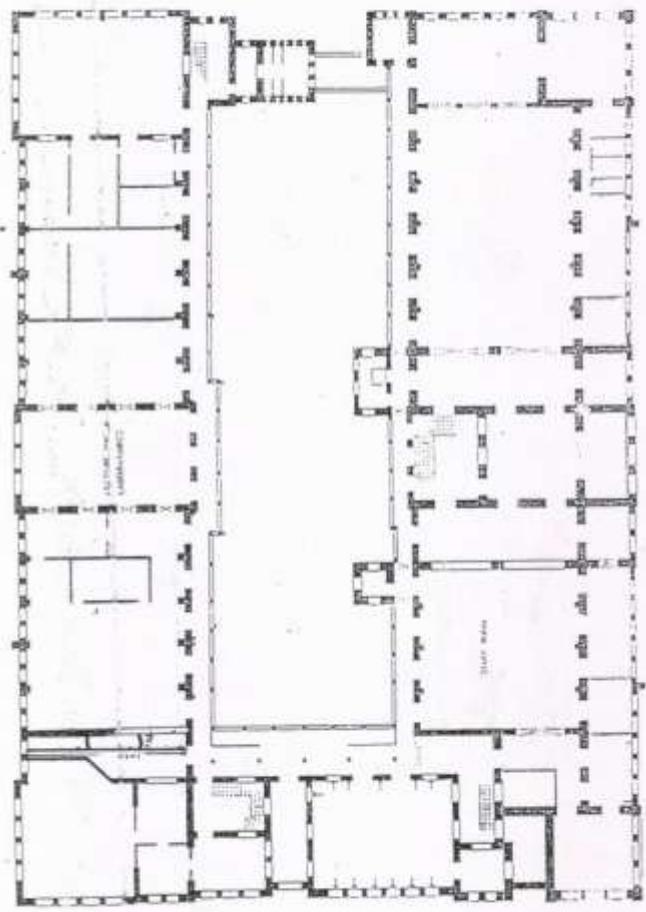
Sl. No.	College	University	Status
001	Synopsis Education Mandali College of Arts, Comm. & Science Mumbai, Maharashtra Maharashtra - 400001		Under Review - 02/07/19
002	South Western Student College Wardha Tilak Education Trust, Pune, Maharashtra 422001 Maharashtra - 422001		Under Review - 02
003	Engineering College 400012 (Mumbai) (Maharashtra) India Mumbai, Maharashtra - 400012 Maharashtra - 400012		Under Review - 02/07/2019
004	Engineering College Kandivli East, Mumbai, Maharashtra - 400 101 Maharashtra - 410101		Under Review - 02/07/19
005	F. Education Society's Girls College Chandrapur, Dist., Chandrapur Maharashtra Maharashtra		Under Review - 02/07/19
006	Engineering College Pune, Dist., Pune, Maharashtra - 411 001 Maharashtra - 411001		Under Review - 02/07/19
007	S.S. Bhambhani & Co-operative College Mumbai, Dist., Mumbai, Maharashtra 400 001 Maharashtra - 400001		Under Review - 02/07/19
008	S.S. Tulika Pragnanika Women Co-operative, Pimpri-Chinchwad Shri. A. S. & Sons College, Pune & T. S. College, Dist., Maharashtra Maharashtra - 411 001 Maharashtra - 411001	University of Mumbai	Under Review - 02/07/19; File No. - 101002(2019-20)
009	S.S. Social Arts Co-operative (Women)		

3
SECOND FLOOR PLAN

NORTH SCALE



3.

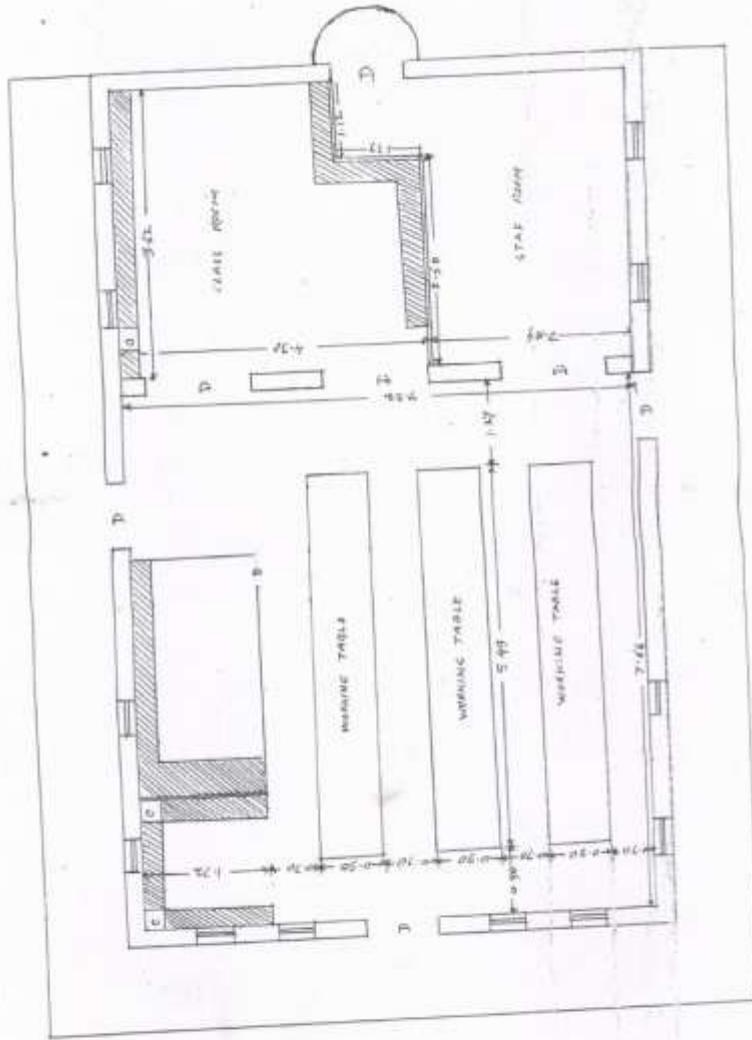


NOTE: PROPOSED PARTITION ON THE UPPER FLOOR INDICATED WITH DASHED LINES
AT ELPHINSTONE COLLEGE

NOTE: PROPOSED WORK SHOWN WITH

DASHED LINES
WITH EXISTING
WORK

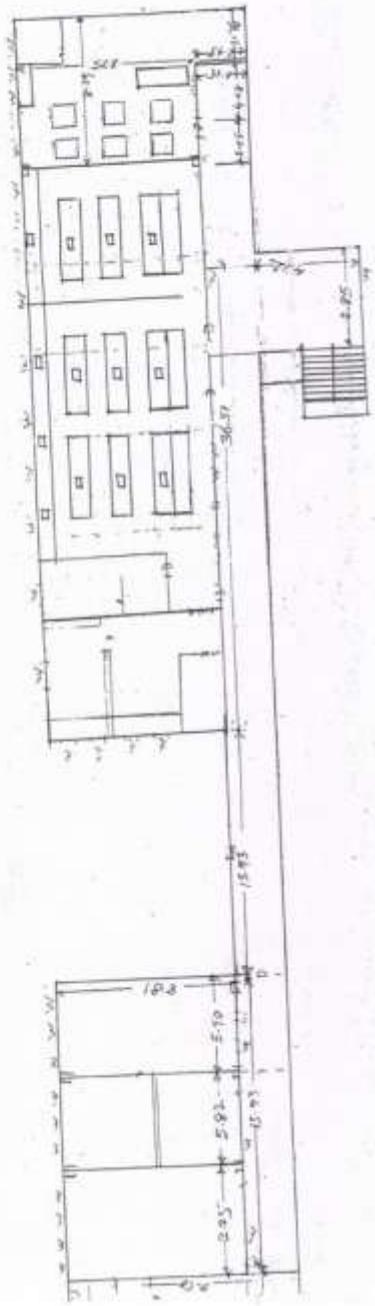
NAME OF WORK: M.F. N. TO ELPHINSTONE COLLEGE MUMBAI. RENOVATION OF ROOM FOR LABORATORY ON 4TH FLOOR.
 AT ELPHINSTONE COLLEGE



4.

PLAN OF WORK: M.O.W. TO ELPHINSTONE COLLEGE MUMBAI. RENOVATION TILED FLOORING OF CASIN, LABORATORY
AND RENOVATION OF TOILET ON 5TH FLOOR OF M.C.C. BUILDING

NOTE: PROPOSED WORK SHOWN THICK

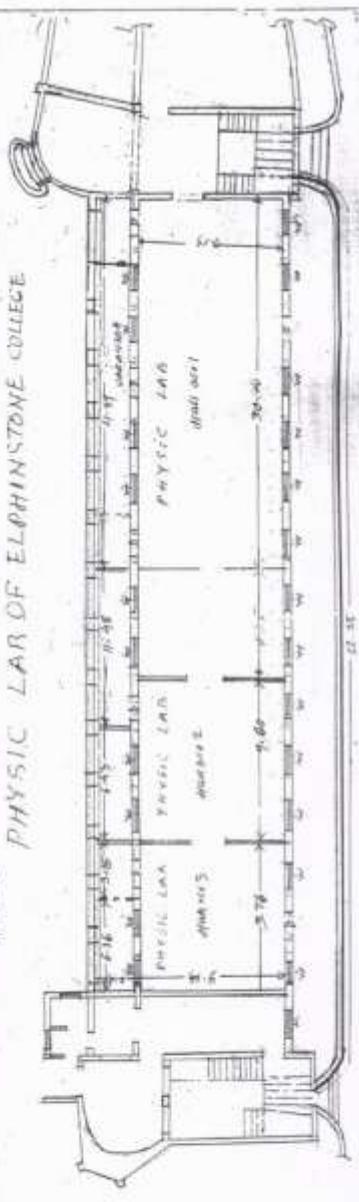


N.C.C. BUILDING
5TH FLOOR

NAME OF WORK: NEW TO ELPHINSTONE COLLEGE, MUMBAI. PIP WORKED OVER TO
 FENCING OF PHYSIC LABORATORY

GROUND FLOOR PLAN OF INSTITUTE OF SCIENCE

NOTE: PHYSIC LAB OF ELPHINSTONE COLLEGE



NOTE: PIP WORKED OVER TO

Executive Engineer
 Presidency Division
 Mumbai