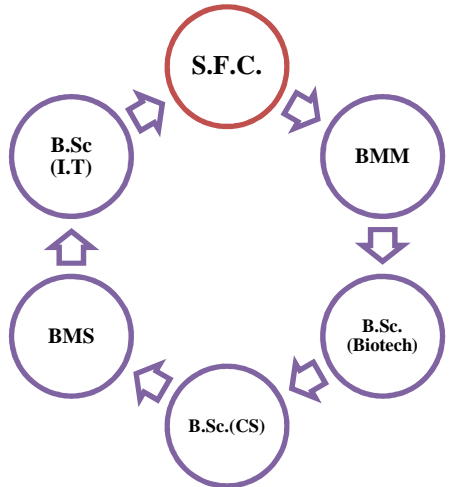
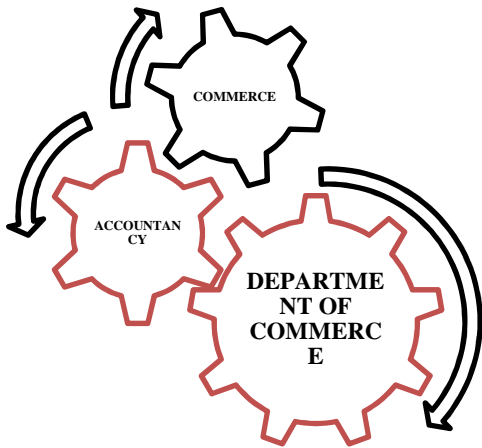
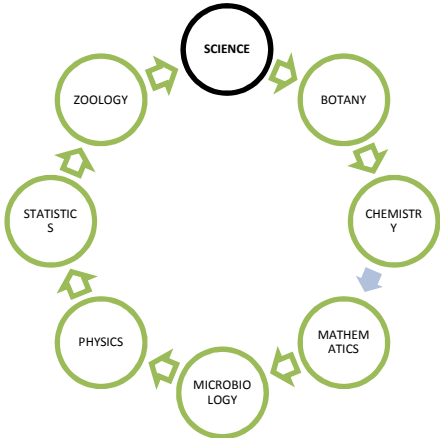
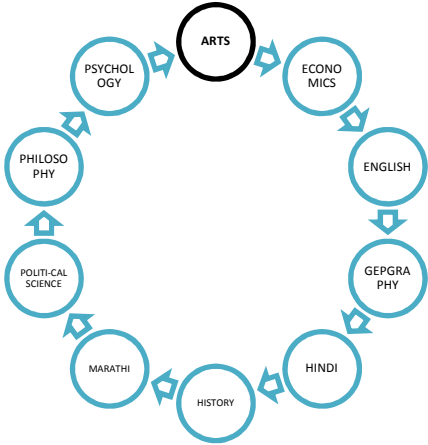


# DEPARTMENTAL EVALUATIVE REPORTS



## DEPARTMENTAL EVALUATIVE REPORTS

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1. **Name of the Department:** DEPARTMENT OF ENGLISH
2. **Year of Establishment:** 1946
3. **Names of Programmes / Courses offered:** UG: B.A-in English
4. **Name of Interdisciplinary courses and departments/units involved (specify the initiation year)**

The Department does not teach any interdisciplinary courses in collaboration with other Departments. However this shortcoming has been woven into the design of the syllabus in the three years undergraduate BA Program in the subject of English in the following manner.

At the F.Y.B.A. level a Course titled Communication Skills in English is a compulsory paper for all students enrolled. The topics covered by the course include formal letter writing, editing, and diagrammatic interpretation of Data, which are skill sets required for all courses

Similarly at the F.Y.B.Com and SYBA level there is a paper in Business Communication which too meets with a similar requirement and is oriented towards writing skills for the Business industry.

The TYBA English students have interdisciplinary electives in two papers which comprise of papers in Literature and Film, Literature and Gender, Popular Culture, Translation Studies, Grammar and the Art of Writing and Literature and Drama. Thus students are made aware of the interdisciplinary potential of their subject by the time the graduate from the College.
5. **Annual/ semester/choice based credit system:**

In academic years 2009-10 and 2010-11, annual pattern of examinations in which examinations are conducted term-wise. From academic year 2011-12, credit based semester and grading system of examinations.
6. **Participation of the department in the courses offered by other departments:**

**Prof J.V. Moghe**  
Was a Resource person for Interdisciplinary Programme for the paper titled Feminist Writing and Criticism at TYBA at Sonu Bhau Baswant College of Arts and Commerce Shahpur in the Year2009-10
7. **Courses in collaboration with other Universities, Industries, Foreign institutions:** Nil
8. **Details of courses/programmes discontinued (if any) with reasons:** Nil

**9. Number of teaching posts**

Post	Sanctioned					Filled				
	2009 -10	2010 -11	2011 -12	2012 -13	2013 -14	2009 -10	2010 -11	2011 -12	2012 -13	2013 -14
Asso.Prof	1	1	1	1	1	1	1	1	1	1
Assist Prof	03	03	03	03	03	02	02	02	02	02

**10. Faculty profile with name, qualification, designation, specialisation (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided in the last 4 years
Prof J.V. Moghe	M.A/ M. Phil	Associate Professor	American Literature	28 years	Nil
Prof. H. L. Narayanrao	M.A/PGJMC/ PGDHE	Assistant Professor	Shakespeare	16 years	Nil
Prof C.B.Patil	M.A./M. Phil	Assistant Professor	Feminist writing	07 years	Nil
Prof Roma Chatterjee	M.A	Appointed as lecturer on Clock Hour basis	Nil	03 years	Nil

**11. List of senior visiting faculty: Nil**

**12. Percentage of classes taken by temporary faculty – programme-wise information**

Class	F.Y.B.A.	S.Y.B.A.	T.Y.B.A.	F.Y.B.Com
Percentage	55%	20%	Nil	25%

**13. Programme-wise Student Teacher Ratio**

Class	B.A.	F.Y.B.Com
Ratio	120 :1	120:1

**14. Number of academic support staff (technical) and administrative staff: sanctioned and filled: NIL**

15. **Qualifications of teaching faculty with DSc. /D.Lit/Ph.D./M.Phil/PG:**  
Refer Q. 10
16. **Number of faculty with ongoing projects from a) National b) International funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise: Nil**
17. **Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received: NIL**
18. **Research facility / centre: NIL**
19. **Publications:**
- Shri. Narayan Rao has Published 15 papers in National Journals
  - Smt. J.V. Moghe has published 1 papers in Journal & 1 paper Presented at National Conference.
- Books written with ISBN numbers with details of publishers**  
A Companion to Studies in American Literature  
Vipul Publications  
ISBN no: 978-93-82612-27-8
20. **Areas of consultancy and income generated:** Nil income generated.
21. **Faculty as members in**  
(a) National Committees (b) International Committees (c) Editorial Boards...:  
Nil
22. **Student projects**
- 100% of students participate in assignments on the subjects in the form of projects submitted towards internal assessment as a part of their course work at all levels at the U.G. Program in the course.
  - 25% of students presented a paper at V.G. Vaze College along with a PowerPoint presentation on the impact of Austin's Pride and Prejudice as a genre of chick lit, on 3rd Aug 2013.
23. **Awards / recognitions received at the National and International level by:**  
Nil
24. **List of eminent academicians and scientist/visitors/alumni to the department:**
- Mr.Jay Vardhan : Professional Singer and Music Director
  - Mr.Nahid Butt : Freelance Journalist
  - Mr.Varun Sharma : H.R. Manager, Reckitt Benckisec India

- Ms.Roma Chatterjee : Lecturer
- Ms.Kainaaz Irani : Praticing Lawyer
- Ms.Pallavi Palkar : First Source Solutions (ICICI Prudentials)

**25. Seminars/ Conferences/Workshops organized and the source of funding (National / International) with details of outstanding participants, if any:**

- The Department organised a Workshop on Revised Syllabus of Semesters V, VI in English jointly with BOS Mumbai University on 11th July 2013. All teachers from the Department attended the same.
- The Funding for the Workshop was partly met through the registration charges and the rest was borne by the staff members of the English Department.

**26. Student profile course-wise:**

Name of the Course (refer question no. 2)	Academic Year	Applications received	Selected Male	Selected Female	Pass %
UG : T.Y.B.A.	2009-10	24	4	20	85%
	2010-11	12	1	11	90%
	2011-12	24	4	20	70%
	2012-13	20	2	18	70%

**27. Diversity of students**

Name of the Course (refer question no. 2)	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
B.A. English	90	8	2	NIL

**28. How many students have cleared Civil Services, Defences Services, NET, SLET, GATE and any other competitive examinations? :**

**29. Student progression**

Student progression	Percentage against enrolled
UG- PG	20% on an average go for PG in the subject
Employed Campus Selection Other than Campus Recruitment	Nil  50%
Entrepreneur	One student Saima Azmi who has opened a school in Gorakhpur District.

**30. Details about department infrastructural facilities available**

- The Department shares all the above facilities required for teaching– learning- evaluation with other departments for convenience and maximum utilization of the infrastructure. Interdepartmental exchange of classrooms allotted, is allowed with information to the time Table and

Workload Committee in the College, keeping in mind the class strength and ensuring the physical comfort of students during their lectures.

- ICT facilities in the Arts Faculty are not allocated, however LCD/OHP and Laptops are available on request from the Science and Commerce Faculties whenever required.
- Internet facility is provided in some of the Science Departments, Computer Laboratories and the Library for staff and students. However in an age when affordable smart phones are available in the market many students use their own 2g/3g connectivity.
- Laboratories are not an essential feature for an Arts Programme in most courses; however it would be a good addition if a Language Laboratory is made available in the future.

**31. Number of students of the department getting financial assistance from College:**

Financial assistance is provided to reserved category students at the College level and about 50% students avail of the benefit. On an average, Rs.22 lacs are disbursed per annum.

**32. Details on student enrichment programmes (special lectures / workshops/ seminar) with external experts.**

The Department has encouraged students to attend seminars, participate in workshops, and paper presentations at various Colleges like the Post Graduate Centre for English Mumbai University, St Andrews, Sophia and Vaze Colleges to enhance their knowledge.

**33. Teaching methods adopted by the faculty for different programmes**

Apart from the traditional chalk and talk method the teachers try to make learning an exhilarating experience by the use of various tools and technology provided by the College. There is use of laptops and PPT's whenever required as well as constant feedback to students by sharing with them important web links to gain better insights into their subject matter.

- Prof J.V. Moghe is a member of The University library, the American Studies Research Centre Library and the British council as well as Questia, an online research library and tries to meet academic requirements of the students.
- Field Trips, visits to libraries, attending talks, Cinema and Theatre shows is also a part of the expansion in teaching and learning methodology.
- The project work assigned to students is sometimes outside the prescribed syllabus. This type of project work is especially assigned to students with above average IQ levels to afford them a challenging learning environment.

### 34. **Participation in Institutional Social Responsibility (ISR) and extension activities.**

- Students are encouraged to participate in College and University extension activities through participation in NSS, NCC, Cultural Festivals, and Association activities within the College as also in other Colleges. The teachers of the department give them concessions in attendance of lectures/ tutorials and ensure that they are given notes and coached personally after class hours whenever required.
- Students of the department regularly participate in the annual Planning Forum Elocution Competitions held by the Economics Department in the College and represent the College for the final rounds of intercollegiate competitions held by the Forum.
- Students have often won best student of the faculty/ College awards for which participation in Extension activities is an important criterion.
- Saima Azmi a student of the department was a Cultural Head and won the Best Student Kulpati Medal and this year Salma Memon has also been awarded Best Student of the College Medal.

### 35. **SWOC analysis of the department and Future:**

#### **Strengths:**

- The biggest strength of the Department is the subject itself. English is the recognised Lingua Franca the world over and reading writing and spoken skills in the language are an immediate requirement.
- According to Prof. Braj Kachru "**Minority communities need to be super achievers to have security in jobs and money. Since they are a minority, they do not find it easy to preserve their identity." Culture and identity are critical to him and to his linguistics.**" Thus the need to learn English for Indians has become tremendous in all fields of study.
- In India the introduction of courses like Effective Communication Skills, Business communication under the umbrella of English for Special Purposes is being introduced by all faculties including Management and Technical Schools.
- English Graduates are given preference in post graduate departments offering courses in Communication studies, Mass media Studies and Journalism.
- A plethora of professional Certificate/ Degree courses are available and the job opportunities are now tremendous not being restrictive to the niche area of academics.

#### **Weakness:**

- The Weakness of the subject is that in spite of the demand, there is gross lack of any kind of funding available from special grants from University



or from the government. In fact the negligence towards languages and most subjects in the Arts stream is of constant worry.

- The popularity of the subject thus is at stake and the numbers of students graduating are not enough to meet future demands in required areas including teaching
- The fall out of apathy is mostly felt by employment seekers as most employers feel that a working knowledge of the language is enough and is happy to employ graduates by merely concentrating on the idea that a minimum requirement of English medium of Instruction is a good bench mark for selection procedure.
- Departments are short staffed due to the policies of government and no sanction of a No Objection Certificate to employ new staff.
- Learning of English on a long term basis is still considered an elitist activity and the users and learners of the language find it difficult to be readily accepted as members of their fraternity.

### **Opportunities**

- There is tremendous opportunity to diversify as communication and language is now an interdisciplinary field. Hence courses in script writing, journalism, translation studies, and Instruction Design can be introduced.
- Students do find it easier to get admission to courses in Universities abroad and do extremely well in the verbal skills section of the GRE, the TOEFL and IELTS examinations. Twinning Programmes with Foreign Universities can be considered.
- Many call centres and training institutes offer English students jobs as trainers thus short term modules like teaching the trainer can be considered.
- Opportunities of interdisciplinary courses within the existing courses can be considered when the choice based credit and grading system is permitted by the University.
- The Department can explore the possibility of starting an unaided PG programme in the near future if the management so permits.

### **Challenges**

- The biggest challenge is to find good teachers in the subject as the number of qualified staff in the subject are limited, mainly comprising of female students, many of them who do not consider employment because of family constraints, or going for higher education.
- Most students are unaware of the large opportunity that awaits them after graduation and often have to be cajoled into opting for the subject.
- The Language and its use has spread so far and wide due to many translations and with the prolific use of internet it is becoming increasingly difficult for the teacher to set limits to the scope for study of topics prescribed in syllabi.
- Funds for expansion plans and infrastructure for basics like a classrooms is a huge challenge faced by the College and hence introduction of new

courses is a challenge that needs to be negotiated if any visions for growth have to fruition.

- The demand in the Faculty of Arts in a commercial metropolis like Mumbai is very poor and therefore it is a constant struggle to attract the minimum student requirement in the subject as stipulated by University rules, at the entry point. The quality is never the best and by the time they enter the final year the number opting for majoring in the subject further decreases

#### **Future plans of the department**

The Department is keen to open a PG centre for allowing the opportunity for perusal of higher studies for our own graduating students as well as outsiders. The Department is also keen to introduce Professional certificate courses in Journalism, Translation Studies, and is considering a tie up with a private organisation for training students in Instruction Design for which there is a huge demand in the market.

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1. **Name of the Department:** DEPARTMENT OF HINDI
2. **Year of establishment:** 1964
3. **Names of Programmes / Courses offered:** UG: - B.A-in Hindi
4. **Interdisciplinary courses started and departments involved (specify the initiation year)** NIL
5. **Annual/ semester/choice based credit system:**

In the academic years 2009-10 and 2010-11, the term end annual pattern of Evaluation was followed. In the last three years the Mumbai University has introduced the CBCS system in a phased manner starting in 2011-12 for the first year students. This year the first batch of SBCS students will complete their undergraduate Program of study across all faculties in the College teaching traditional courses.
6. **Participation of the department in the courses offered by other departments:**

**Dr. (Smt.) Rekha B. Sharma**

  - was invited as a resource person for Interdisciplinary Programme for paper titled 'Post Independent Literature' for TYBA student at Guru Nanak Khalsa College of Arts Science and Commerce on 29<sup>th</sup> March 2010
  - engaged lectures for M.A students for N.M. College of Mumbai University, 'in Year 2011

**Dr. (Smt.) Medini S. Anjanikar**

  - was a visiting faculty for the T.Y.B.A, Paper-VI course conducted by the Department of Hindi of Ramnarain Ruia College, Matunga in Year March 2010
  - was invited as visiting faculty for the T.Y.B.A, Paper-VI course conducted by the Department of Hindi of Siddharth College, Churchgate in Year March 2011
  - was invited as visiting faculty for the T.Y.B.A, Paper-VI course conducted by the Department of Hindi of Ramnarain Ruia College, Matunga in Year March 2013
7. **Courses in collaboration with other Universities, Industries, Foreign Institutions etc:** Nil
8. **Details of Course/programmes discontinued (if any) with reasons:** Nil
9. **Number of Teaching Posts**

Post	Sanctioned					Filled				
	2009-10	2010-11	2011-12	2012-13	2013-14	2009-10	2010-11	2011-12	2012-13	2013-14
Asso. Prof.	1	1	1	1	1	1	1	1	1	1
Assist Prof.	1	1	1	1	1	1	1	1	1	1

**10. Faculty profile with name, qualification, designation, specialisation (D.Sc./D.Litt./ Ph.D. /M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided in the last 4 years
Dr. Rekha B. Sharma	M.A/M.Phil/ Ph.D	Associate Professor	Hindi	27 years	Nil
Dr. Medini Anjanikar	M.A. Ph.D.	Assistant Professor	Hindi	15 years	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:**

Class	B.A.
Ratio	97:1

**14. Number of academic support staff (technical) and administrative staff: sanctioned and filled: Nil**

**15. Qualifications of teaching faculty with D.Sc./D.Litt./ Ph.D. /M.Phil./PG, etc. : Nil**

**16. Number of faculty with ongoing projects from a) National b) International funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise NIL**

**17. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received: Nil**

**18. Research facility / recognized by the University: Nil**

**19. Publications per faculty:**

- Dr. (Smt.) Rekha Sharma has presented 3 papers at National level and 1 paper at International level.
- Dr. (Smt.) Medini S. Anjanikar has presented 3 papers at National Level.

**Monographs:**

□ **Books written with ISBN numbers with details of publishers**

- Ikkisavi Sadi ki Stree Kavita : Ashay aur Abhivyakti, Published by Aman Prakashan, Kanpur in 2013: ISBN No. 978-81-925154-6-5
- Hindi Sahitya mein Naitik Moolya, published by Adhar Publication, Amaravati: ISBN No. 978-93-82588-02-3

□ **Editing Books:**

- Yuvakbharati (Hindi) for XIIth standard, published by Maharashtra State Board of Secondary & Higher Secondary Education Pune
- Margadarshak Pustika for XIIth standard, published by Maharashtra State Board of Secondary & Higher Secondary Education Pune

20. **Areas of consultancy and income generated:** Nil

21. **Faculty as members in (a) National Committees (b) International Committeeed (c) Editorial Boards...:** Nil

22. **Student projects:**

- Percentage of students who have done in-house projects including inter-departmental:
- 100 % of students participate in assignments on the subject in the form of a project submitted towards internal assessment as a part of their course work, at all levels of the UG Course in the subject.
- Students of SYBA attended a play on Rashmi Rathi at M.D. College on 19th November, 2009.
- In August, 2010, students of TYBA visited Gandhi Memorial Library for their project work with the Professors.

23. **Awards / recognitions received at the National and International level by Doctoral / post doctoral fellows:**

Doctoral: Smt. Rekha Sharma (2013) and Smt. Medini Anjinkar (2010)

24. **List of eminent academicians and scientist/visitors/alumin at the department:**

- Ms.Laxmi Pal : Municipal School Teacher
- Ms.Rubina Mulla : N.G.O. Aakansha Teacher
- Ms.Tara Vishwakarma : International School Teacher
- Mr.Abhinandan Prasad : School Teacher

**25. Seminars/ Conferences/Workshops organized and the source of funding (National / International) with details of outstanding participants, if any:**

The department organised a workshop on revised syllabus of semester 5<sup>th</sup> and 6<sup>th</sup> in Hindi jointly with BOS Mumbai University on 20<sup>th</sup> July, 2013. All teachers from the department attended the same. (Bhavan's College, Andheri). The funding for the workshop was partly met through the registration charges and the rest was borne by the staff members of the Hindi Department.

**26. Student profile course-wise:**

Name of the Course (refer question no. 2)	Academic Year	Applications received	Selected Male	Selected Female	Pass %
UG : T.Y.B.A.	2009-10	18	1	17	100%
	2010-11	18	4	14	100%
	2011-12	---	---	---	---
	2012-13	13	1	12	100%
	2013-14	17	4	13	90%

**27. Diversity of students:**

Name of the Course (refer question no. 2)	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
B.A. Hindi	90	5	5	Nil

**28. How many students have cleared Civil Services, Defences Services, NET, SLET, GATE and any other competitive examinations? : Nil**

**29. Student progression**

Student progression	Percentage against enrolled
UG- PG	20% on an average go for PG in the subject
Employed Campus Selection Other than Campus Recruitment	Nil 35%
Entrepreneur	A lot of students pursue a graduate degree/diploma in Education as they wish to pursue a career in teaching at the secondary or primary levels in schools.

**30. Details about department infrastructural facilities available**

The Department shares all the above facilities required for teaching –learning-evaluation with other departments for convenience and maximum utilization of the infrastructure. Interdepartmental exchange of classrooms allotted, is allowed with information to the time Table and Workload Committee in the College, keeping in mind the class strength and ensuring the physical comfort of students during their lectures.

ICT facilities in the Arts Faculty are not allocated, however LCD/OHP and Laptops are available on request from the Science and Commerce Faculties whenever required.

Internet facility is provided in some of the Science Departments, Computer Laboratories and the Library for staff and students. However in an age when affordable smart phones are available in the market many students use their own 2g/3g connectivity.

Laboratories are not an essential feature for an Arts Programme in most courses; however it would be a good addition if a Language Laboratory is made available in the future.

**31. Number of students of the department getting financial assistance from College:**

Financial assistance is provided to reserved category students at the College level and about 50% students avail of the benefit. On an average, Rs.22 lacs is disbursed per annum.

**32. Details of student enrichment programmes (special lectures / workshops/ seminar) with external experts.**

- In the year 2010-11, the Department called Dr. Sanjeev Dubey from SIES College for a lecture on Media & Communication and Dr. Dutta Murumkar from Ruia College to speak on 'Functional Hindi'.
- In the year 2011-12, Dr. Manpreet Kaur came as a Guest Lecturer, explaining students on how to attempt the question paper. This was a post the change in Syllabus.
- When a new syllabus was announced in the year 2013-14, Hindi Department arranged a Workshop with BOS, Mumbai University. More than 80 Teachers attended this Workshop; students were acquainted on how to arrange a Workshop.
- Besides this, we conduct weekly tests and Group Discussions for students on various topics on a regular basis.

**33. Teaching methods adopted by the faculty for different programmes:**

- Apart from the traditional chalk and talk method the teachers try to make learning an exhilarating experience by the use of various tools and technology provided by the College. There is use of laptops and PPT's whenever required as well as constant feedback to students by sharing with them important web links to gain better insights into their subject matter.
- Various Field Trips, visits to libraries, attending talks, Cinema and Theatre shows is also a part of the expansion in teaching and learning methodology.
- The project work assigned to students is sometimes outside the prescribed syllabus. This type of project work is especially assigned to students with above average IQ levels to offer them a challenging learning environment.
- Conducting guest and revision lectures and tests is another regular practise.

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

- Students are encouraged to participate in College and University extension activities through participation in NSS, NCC, Cultural Festivals, and Association activities within the College as also in other Colleges. The teachers of the department give them concessions in attendance of lectures/tutorials and ensure that they are given notes and coached personally after class hours whenever required. Many students have often won Best Student of the Faculty/College awards, for which, participation in Extra-curricular activities is a must.
- In 2010-11, Shalini Yadav and Ankit Choudhary won a trophy in Inter-Collegiate Elocution Competition at Guru Nanak College.
- Imran Khan, a Commerce Student, was in a strong association with the Hindi Department and not just participated in many Elocution and Debate Competitions, but also won them.
- Laxmi Pal was awarded as the Best Student, overall, in the Academic year 2010-11.

**35. SWOC analysis of the department and future plans**

**Strengths:**

- Reputation of College
- Well qualified and cooperative staff
- Excellent Library Facility
- College situated in a prominent locality
- Departmental activities, which, in return, also develop their personality

**Weakness:**

- Lack of audio visual room
- There's no Internet Facility Available
- Funding is another problem.



**Opportunities:**

- Hindi being a National language, lot of opportunities are available to students. They can now, not only teach, but Media has only widened the horizons. Translation, Copywriting, Journalism & Reporting, besides teaching are other options they can explore.

**Challenges:**

- People think that it is a language to communicate, not professional. Society still does not have the regard it should have for the language. People shying away from learning the language is a major drawback.
- That there are no six papers in Hindi is another challenge. If we have six papers, it can pave a way for us to have a PG course in the near future, too, and thereby have a Research Centre of its own.

**Future plans of the department:**

- To start Translator Diploma course
- To start Journalism Diploma course
- To start 6 papers of Hindi
- Saral Hindi course to be started by 'Hindustani Prachar Sabha'
- Hold Seminars on the National and International Level

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1. **Name of the Department:** DEPARTMENT OF MARATHI
2. **Year of establishment:** 1946
3. **Names of Programmes / Courses offered:** UG: BA-in MARATHI
4. **Names of Interdisciplinary courses started and departments involved - NIL**
5. **Annual/ semester/choice based credit system:**  
In academic years 2009-10 and 2010-11, annual pattern of examinations in which examinations are conducted term-wise. From academic year 2011-12, credit based semester and grading system of examinations.
6. **Participation of the department in the courses offered by other departments:**  
**Staff- Dr. Saroj Patankar**
  - Delivered a visiting lecture at Acharya Marathe College, Chembur on 'The introduction of original concepts in Indian Poetics' in 2009.
  - Delivered a lecture on TYBA paper no. 5 'Indian and Western Poetics, and Criticism' at M. D. College, Parel.
  - Delivered a lecture on 'Rasa Theory in 'Indian Poetics' at T. K. Tope Night College, Parel.
  - Was a resource person for M. A. in MARATHI for - YCMOU in the year 2011-12 and 2012-13.**Staff- Prof.Neha Sawant**
  - Delivered two visiting lectures at T. K. Tope Night College, Parel, in the year 2009 and 2010 and at Talreja College, Ulhasnagar, on the topic Sez, which was in the syllabus of TYBA.
  - Was a visiting faculty for the MPSC examination training conducted by Shailendra College, Dahisar.
  - Was a resource person for M. A. in MARATHI for - YCMOU in the year 2011-12 and 2012-13.

7. **Courses in collaboration with other Universities, Industries, Foreign Institutions etc:** Nil
8. **Details of Course/programmes discontinued (if any) with reasons:** Nil
9. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

Post	Sanctioned					Filled				
	2009-10	2010-11	2011-12	2012-13	2013-14	2009-10	2010-11	2011-12	2012-13	2013-14
Asso. prof	01	1	1	1	1	1	1	1	1	1
Assist prof	01 (Part Time)	1	1	1	1	1 (Part Time)	1	1	1	1

10. **Faculty profile with name, qualification, designation, specialisation (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided in the last 4 years
Dr. Saroj Patankar	MA, MPhil, PhD	Associate Professor	Marathi and Aesthetics	31yrs	---
Prof. Neha Sawant	MA, MPhil., SET	Assistant Professor	Marathi	23yrs	---

11. **List of senior visiting faculty:** Nil
12. **Percentage of classes taken by temporary faculty – programme-wise information:** Nil
13. **Programme-wise Student Teacher Ratio:** 35:1 (B.A.)
14. **Number of academic support staff (technical) and administrative staff: sanctioned and filled:** Nil
15. **Qualifications of teaching faculty with D.Sc./D.Litt./ Ph.D. /M.Phil./PG, etc.:** Refer Q. No. 10
16. **Number of faculty with ongoing projects from a) National b) International funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise:** Nil

**17. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received: Nil**

**18. Research facility / centre: Nil**

**19. Publications:**

Number of papers published in peer reviewed journals (National / International): Nil

Number of posters presented in conferences (National / International): Nil

**Dr. Saroj Patankar** presented 04 papers in National conference.

**Prof. Neha Sawant** Presented 02 papers in National seminar.

**Books written with ISBN numbers with details of publishers –**

‘Masteranchi Savali’ an Autobiography of Smt.Krishnabai Surve penned by Prof.Neha Sawant (This book’s 5<sup>th</sup> edition published on 26<sup>th</sup> Jan.2014.). Gujarati version of this book translated by Devayani Dave has ISBN No – 978-93-80468-47-1).

**Chapter(s) in Books:**

Dr. SarojPatankar’s one article published in the book – Changing Society and changing relationship– ed. By Dr.Vaidehi Dafhtardar.

**Editing Books:**

‘KavitaShatakachee’ – Edited. By Dr.SarojPatankar and others  
Shabda Publication, ISBN No.: 978-93-82364-00-9

**20. Areas of consultancy and income generated: Nil**

**21. Faculty as members in (a) National Committees (b) International Committeeed (c) Editorial Boards...: Nil**

**22. Student projects**

100% of students participates in assignments on the subjects in the form of projects submitted towards internal assessment as a part of their course work at all levels at the U.G. Program in the course.

**23. Awards / recognitions received at the National and International level: Nil**

24. **List of eminent academicians and scientist/visitors/alumni to the department:** Nil

25. **Seminars/ Conferences/Workshops organized and the source of funding (National / International) with details of outstanding participants, if any:**  
**Nil**

26. **Student profile course-wise:**

Name of the Program	Year	Applications Received	Selected Males	Selected Females	Pass Percentage
B.A.	2009-10	6	2	4	83%
B.A.	2010-11	8	2	6	88%
B.A.	2011-12	7	--	7	86%
B.A.	2012-13	6	4	2	83%
B.A.	2013-14	9	2	7	87%

27. **Diversity of students:**

Name of the Course	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
B.A.	50%	100%	0%	NIL

28. **How many students have cleared Civil Services, Defence Services, NET, SLET, GATE and any other competitive examinations? :** Nil

29. **Student progression**

Student progression	Percentage against enrolled
UG- PG	25
Employed	
Campus Selection	Nil
Other than Campus Recruitment	100%
Entrepreneur	-

**Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:** Nil

**30. Details about department infrastructural facilities available:**

- Library  
To help the students by making books available at least two or three at a time, on the subject, the department identified one cup-board in the staff room. The faculty members have taken the responsibility to issue books to the students. By these efforts students get more reading material that they usually get from the General Library of the College.
- Internet facilities for staff and students: Available in common library
- Class rooms with ICT facility: Nil

**31. Number of students of the department getting financial assistance from College:**

Financial assistance is provided to reserved category students at the College level and about 50% students avail of the benefit. On an average, Rs.22 lacs is disbursed per annum.

**List the distinguished alumni of the department (maximum 10)**

- NileshNalawade (2009) 9029352925
- OmkarPawar (2009) 9773493572
- AshwiniNarayankar (2009)
- MadhviSakpal (2010) 9664305372
- ShraddhYelve (2011) 9619955976
- PrajaktaTandel (2011) 9757483625
- SwapnilShinde (2009) 9664906709
- SahebraoKhengale (2009) 9870503232
- GautamWhaval (2012) 9702140084
- MumrajRathod (2012) 9764834523
- SuchitraSurve( 2010) 9773961596

**32. Details of student enrichment programmes (special lectures / workshops/ seminar) with external experts,**

**Highlight the participation of students and faculty in extension activities:**

- Neeraja– a talk on ‘ feminism in poetry.’ ( 2011-12)
- Sanjeev Latkar –a talk on ‘ career in media’ ( 2012-13)
- A Programm ‘ AamheeAseGhadalo’ by some external experts.
- Puja Ajinkya -Theatre personality (2009)
- Prasad Ghanekar– T. V. Chanel ‘Jay Maharashtra’ (2010)
- Sarika Surve- Assistant Director on Sahyadri Channel (2011)
- Sachin Patankar – Principal in B. Ed. College (2012)
- Trupti Kesarkar – PRO in Media. (2013)

**33. Teaching methods adopted by the faculty for different programmes**

FYBA & SYBA taught by the traditional lecture method.

TYBA taught by the traditional lecture method supplemented by interactive discussions etc.

**34. Participation in Institutional Social Responsibility (ISR) and extension activities: Nil**

**35. SWOC analysis of the department and future plans**

**Strengths:**

- The faculty is well qualified and sincere.
- The number of students is considerable.
- Department has a separate library, students can get many books at one time.

**Weakness:**

- Although considerable, number of students is decreasing over time.

**Opportunities**

- If practical applicative studies could be incorporated in the syllabus, students can have quite a few opportunities.
- Translation sector is a powerful opportunity.

**Challenges**

- Department should get more significance, compared to other departments.

**Future plans of the department**

- Collaboration of media houses and publication houses for career guidance of students.
- Collaboration with the NGO – Marathi Abhyas Kendra which works for the cause of Marathi language and society

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1. **Name of the department:** DEPARTMENT OF ECONOMICS
2. **Year of establishment:** 1946
3. **Names of Programmes / Courses offered:** UG: B.A., B. Com (Economics & Business Economics).
4. **Interdisciplinary courses started and departments involved (specify the initiation year):** Nil
5. **Annual/ Semester/ Choice based credit system:**  
 In academic years 2009-10 and 2010-11, annual pattern of examinations in which examinations are conducted term-wise. From academic year 2011-12, credit based semester and grading system of examinations.
6. **Participation of the department in the courses offered by other departments:**  
**Staff: Prof. P.P. Katke**
  - Engaged Business Economics lectures for B.Com Degree Course of University, of Mumbai.
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil
8. **Details of Course/programmes discontinued (if any) with reasons:** Nil
9. **Number of teaching posts:**

Post	Sanctioned						Filled			
	2009-10	2010-11	2011-12	2012-13	2013-14	2009-10	2010-11	2011-12	2012-13	2013-14
Asst Prof.	6	5	5	4	4	4	5	5	4	4



**10. Faculty profile with name, qualification, designation, specialization (D. Sc. / D. Litt. / Ph. D. / M. Phil, etc.):**

Name	Qualification	Designation	Specialization	No. of Years Experience
P.P. Katke	M.A.(First Div.), M Phil.	Asso. Professor & HOD	Urban-Economics	25
Gita Mohandas	M.A.(B+),SET	Asst. Professor	Econometrics	27
Nirmala Pawar	M.A. (First Div.)	Asst. Professor	Economics	14
Beroz Cooper(2011-12)	M.A., B. Ed.	Asst. Professor	Economics	01
Mukta Pote (2012-13)	M.A., M. Phil, B. Ed.	Asst. Professor	Economics	02
Anil K.Choubey	M.A. B. Ed.	Asst. Professor	Economics	03

**11. List of senior visiting faculty: Nil**

**12. Percentage of classes taken by temporary faculty–programme–wise information:**

Class	Percentage
B.Com	25%
BA	25%

**13. Student -Teacher Ratio:**

Class	Ratio
BA	150:1
B.Com	120:1

**14. Number of academic support staff (technical) and administrative staff: sanctioned and filled:**

- Laboratory Assistant: NIL (Sanctioned: NIL)
- Laboratory Attendant: NIL (Sanctioned: NIL)
- Peons: NIL

**15. Qualifications of teaching faculty with D.Sc./D.Litt./ Ph.D. /M.Phil./PG, etc.: Refer Q. No. 10**

**16. Number of faculty with ongoing projects from a) National b) International funding agencies and c) Total grants received. Mention was names of funding agencies and grants received project-wise: Nil**

17. **Departmental projects funded by DST-FIST; DBT, ICSSR, etc.: total grants received:** Nil

18. **Research facility / centre:** Nil

19. **Publications:**

**Number of papers published in peer reviewed journals (National / International):**

- Prof. Gita Mohandas presented one paper in International Journal.

20. **Areas of consultancy and income generated:** Nil

21. **Faculty as members in (a) National Committees (b) International Committeed (c) Editorial Boards...:** Nil

22. **Student projects:**

**Percentage of students who have done in-house projects including inter-departmental:**

- 100% of students (BA and B.Com) participate in assignments on the subjects in the form of projects submitted towards internal assessment as a part of their course work at all levels at the U.G. Program in the course.

23. **Awards / recognitions received at the National and International level:** Nil  
**Student Profile course – wise:**

<b>Name Of Course</b>	<b>Applications Received</b>	<b>Selected Males</b>	<b>Selected Females</b>	<b>Pass Percentage</b>
B.A.	174	53	121	45.04%
B.Com.	406	240	166	40.64%

24. **List of eminent academicians and scientist/visitors/alumni to the department:**

- Ms.Laxmidevi Pal
- Ms.Maya Gupta
- Mr.Ajay Soneji
- Mr.Raju Darji
- Ms.Tripti Devpuria
- Mr.Vivek Mishra,
- Mr.Jank Mehata
- Mr.Asfaq Karim
- Gaurang Vyas
- Ram Prabhu

25. **Seminars/ Conferences/Workshops organized and the source of funding (National / International) with details of outstanding participants, if any:**  
 Nil

26. **Student profile programme/course wise:**

Name of the Course	Academic Year	Applications received	Selected Male	Selected Female	Pass %
UG : T.Y.B.COM.	2009-10	393	209	184	78.8%
	2010-11	409	219	190	79.33%
	2011-12	406	212	194	78.00%
	2012-13	315	180	135	86.69%
	2013-14	350	188	162	61.67%

27. **Diversity of students:**

Name of the Course (refer question no.2)	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
UG : BSc.	50%	95%	5%	NIL
UG: B.Com.	50%	95%	5%	NIL

28. **How many students have cleared Civil Series, Defense Services, NET, SLET, GATE and any other competitive examinations? :** Nil

29. **Student progression:**

Student Progression	Percentage against enrolled
UG – PG	50%
PG – M. Phil	NA
PG to PhD	NA
Ph. D to Post Doctoral	NA
Employed Campus Selection Other than Campus Recruitment	60%
Enterprise	NA

30. **Details about department infrastructural facilities available.**

- Library :College Library
- Internet facilities for staff and students: Yes
- Total number of class rooms: Shared by all arts Departments.
- Class rooms with ICT facility : Nil

**31. Number of students of the department getting financial assistance from College:**

Financial assistance is provided to reserved category students at the College level and about 50% students avail of the benefit. On an average, Rs.22 lacs is disbursed per annum.

**32. Details of student enrichment programs (special lectures / workshops / seminar) with external experts.**

- Elocution competition / seminars have been conducting every year under the Chairmanship of Prof. P.P. Katke and Prof. Geeta Mohandas, for which cash prizes and certificates being awarded and funded by the Forum of Free Enterprise.

**33. Teaching methods adopted by the faculty for different programs.**

- Presentation on various chapters of the Syllabus by the students.
- Elocution Competition under the auspices of Planning Forum.

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

- Conducted three days study tour at Murud Janjira, along with the B.A. students in 2014.

**Faculty:**

- Asst. Prof. P.P. Katke attended seminar and meeting with Chief Secretary, Govt. of Maharashtra, on 21/03/2014.
- Asst. Prof. Geeta Mohandas presented paper in the UGC sponsored International Conference held in J.B. College, Thane on 10/01/2014.

**Strengths:**

- Experienced Faculty
- B.A., B. Com Books are written by Ex. HOD Dr. P.A. Johnson.
- Good Library facility is available to the faculty.
- Good Coordination in the faculty.

**Weakness:**

- No separate office is available for the Department.

**Challenges:**

- To improve result
- To explore funding access.

### **Future plans of the department**

- To collaborate with other institutions and development of Department at State / International / National levels.
- To strengthen research and extension programmes to be able to cater to the community needs.
- To publish research papers, academic books, to improve knowledge to upgrade the number of first classes and the success rates of students.

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**1. Name of the Department: DEPARTMENT OF GEOGRAPHY**

**2. Year of establishment: 1970**

**3. Names of Programmes / Courses offered:**

- Up to S.Y.B.A. Geography (Undergraduate level)
- F.Y.B.Com. Environmental Studies (Compulsory subject)

**4. Interdisciplinary courses started and departments involved (specify the initiation year)**

- B.Com Program has one course in Environmental Studies at the First year Program which is an Interdisciplinary course.

**5. Annual/ semester/choice based credit system:**

In academic years 2009-10 and 2010-11, annual pattern of examinations in which examinations are conducted term-wise. From academic year 2011-12, credit based semester and grading system of examinations.

**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 Course/programmes discontinued (if any) with reasons: Nil**

**9. Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors):**

Post	Sanctioned					Filled				
	2009-10	2010-11	2011-12	2012-13	2013-14	2009-10	2010-11	2011-12	2012-13	2013-14
Asst. Prof	1	1	1	1	1	1	1	1	1	1
C.H.B.	1	1	1	1	1	1	1	1	1	1

**10. Faculty profile with name, qualification, designation, specialisation (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided in the last 4 years
Dr. Ajay Kamble	M.A., Ph.D.	Asst. Prof.	Geomorphology	19 years	Nil
Mr. Sanjay Aghav	M.A., M.Phil.	Asst. Prof. (CHB)	Economic Geography	13 years	Nil

11. **List of senior visiting faculty:** Nil
12. **Percentage of classes taken by temporary faculty – programme-wise information**  
 20% Lectures in F.Y.B.Com, 50% in S.Y.B.A
13. **Student-Teacher Ratio**
- B.A. - 90: 01
  - B.Com – 250 : 01
14. **Number of academic support staff (technical) and administrative staff: sanctioned and filled:** NIL
15. **Qualifications of teaching faculty with D.Sc./D.Litt./ Ph.D. /M.Phil./PG, etc.:**  
 Refer Q. No. 10
16. **Number of faculty with ongoing projects from a) National b) International funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise:** NIL
17. **Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received:** NIL
18. **Research facility / centre:** No research centre available
19. **Publications: Number of papers published in peer reviewed journals (National / International):**

Name Of Professor	No. Of Papers	National	International
Dr. Ajay Kamble	5	2	3
Prof. Sanjay Aghav	3	2	1

**Number of papers presented in conferences (National / International):**

Name Of Professor	No. Of papers	National	International
Dr. Ajay Kamble	6	4	2
Prof. Sanjay Aghav	4	4	-----

20. **Areas of consultancy and income generated:** NIL
21. **Faculty as members in (a) National Committees (b) International Committeed (c) Editorial Boards...:** Nil
22. **Student projects:**

Prof. Sanjay Aghav completed action research project with NGO PUKAR in 2009, Entitled "Night College students and Education".

**23. Awards / recognitions received at the National and International level by Faculty:**

Dr. Ajay Kamble appointed as Director of Students' Welfare (On deputation) at Yashwantrao Chavan Maharashtra Open University in 2008-09

**24. List of eminent academicians and scientist/visitors/alumni to the department: Nil**

**25. Seminars/ Conferences/Workshops organized and the source of funding (National / International) with details of outstanding participants, if any: NIL**

**26. Student profile programme/course wise: N.A. (subject not taught at T. Y. Level)**

**27. Diversity of students (FYBA Geography)**

Name of the Course (refer question no. 2)	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
2009-10	82%	96%	04%	00%
2010-11	86%	97%	03%	00%
2011-12	91%	98%	02%	00%
2012-13	87%	94%	06%	00%
2013-14	82%	97%	03%	00%

**28. How many students have cleared Civil Services, Defence Services, NET, SLET, GATE and any other competitive examinations? : Nil**

**29. Student progression**

Student progression	Percentage against enrolled
UG- PG	NOT APPLICABLE
PG-M.Phil	NOT APPLICABLE
PG to Ph.D.	NOT APPLICABLE
Ph.D. to Post Doctoral	NOT APPLICABLE
Employed Campus Selection Other than Campus Recruitment	NOT APPLICABLE
Entrepreneur	NOT APPLICABLE



**30. Details about department infrastructural facilities available.**

- Library :College Library
- Internet facilities for staff and students: Yes
- Total number of class rooms: Shared by all arts Departments.
- Class rooms with ICT facility : Nil

**31. Number of students of the department getting financial assistance from College:**

Financial assistance is provided to reserved category students at the College level and about 50% students avail of the benefit. On an average, Rs.22 lacs is disbursed per annum.

**32. Details of student enrichment programmes (special lectures / workshops/ seminar) with external experts:**

Prof. Sanjay Aghav completed action research project with NGO PUKAR in 2009, Entitled” Night College students and Education”.

**33. Teaching methods adopted by the faculty for different programmes**

- Regular Chalk and Board method
- Use of Wall maps
- Providing lecture notes
- Field visits
- Study Tours
- Rock Samples display
- Assigning projects to F.Y.B.Com. students pertaining to environmental topics.
- Discussion of Case studies at F.Y.B.Com. level.

**34. Participation of students and faculty in extension activities**

- FYBA students are taken every year to Gilbert hill, a Geological heritage site, and a potential tourist spot. The students are made aware of the discouraging urban environment (slum development) and its effect on the degradation of this site. In 2012-13, students undertook a survey of the slum dwellers, conveying them the importance of this geological site.
- Dr. Ajay Kamble was engaged in Watershed management exercise through NSS, where volunteers constructed check dams at village Pawarsakri, in Guhagar Taluka, Ratnagiri.
- Dr. Ajay Kamble is a registered Blood Platelet donor at Tata Memorial Cancer Hospital, Mumbai.
- Dr. Ajay Kamble has been a member of University of Mumbai’s Cultural Committee for the last 10 years. He has been appointed as “Observer” by Hon. Vice Chancellor, to supervise the Inter-collegiate Youth festival of University of Mumbai. He was also appointed as “Observer” by Hon’ble Governor of Maharashtra to supervise Inter-University Youth festival in 2009.

- Dr. Ajay Kamble has been representing the University of Mumbai in the capacity of Team Manager of the University Cultural Contingent. He led the University team at State-level, Zonal –level and National level competitions for the last 10 years. He was awarded appreciation certificate from the Vice Chancellor for his contribution in the outstanding performance by University team in cultural competitions in the year 2011-12 and 12-13. Dr. Kamble was the team manager of the team when the university team won National Overall Championship for consecutive six years. He participated in the following Youth festivals :
  - Nationals at Vidyasagar University, Medinipur, West Bengal
  - Zonals at University of Mumbai, Mumbai 2010
  - Nationals at M.D. University, Rohtak, Haryana 2010
  - Nationals at Sri Venkateswara University, Tirupathy, A.P. 2011
  - Zonals at M.L.Sukhadia University, Udaipur, Rajasthan. 2012
  - Nationals at R.S.T.M. Nagpur University, Maharashtra. 2012
  - Zonals at Veer Narmad South Gujarat University, Surat, Gujarat. 2012
  - Nationals at Kalyani University, West Bengal 2012
  - State level Youth fest at Babasaheb Ambedkar Technical University, Lonere. 2013

### 35. SWOC analysis of the department and future plans

#### **Strengths:**

- The nature of the subject is interesting; hence students are keen to join the course.
- The department has faculty specializing in Physical as well as Human Geography. Both the staff members (100%) have research degree and research experience. They have attended conferences and have presented/published research papers.
- Geography is the only department in Arts section which conducts maximum field visits and study tours. These tours are very useful in developing the interest of students to take up higher studies in Geography.
- Geography as a subject and the syllabus at FY and SY level is greatly useful for preparing for competitive examinations. Students desirous to take up such exams shall be interested to take Geography at the undergraduate level.
- With the upcoming fields of remote sensing, GIS development, Tourism industry etc, Geography has an increasing employability.

#### **Weakness:**

Being an undergraduate level department, and not having even graduation programme limits the activities to a great extent.

**Opportunities:**

Short term courses such as Introduction to Remote sensing, Elementary GIS, Map and Satellite imagery interpretation, Tourism management etc. may be started for the in-house students. There is a scope of Geography being introduced at FY and SY B.Sc. level (Bio-Geography) for Non-Mathematics group. Geography as a regular science subject is common in other universities.

**Challenges**

With an absence of a department in true sense, a subject like Geography has a very limited scope. Being a science subject, typical arts students find it a little difficult. It is a challenging task to generate interest among these students. However, if students are willing to pursue the studies further, the College is not in a position to offer the same. Every year, a few students change the College in order to join TYBA course in Geography. Retaining such students has not been possible.

**Future plans of the department**

Based on the students' demand, the department plans to put forward a proposal of starting T.Y.B.A. programme in Geography. The members of the staff plan to continue their research and research associations with other institutions at a personal level, by attending conferences, seminars and publishing research papers.

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1. **Name of the department:** DEPARTMENT OF HISTORY
2. **Year of establishment:** 1946
3. **Names of Programmes / Courses offered:** UG: B.A-in History
4. **Interdisciplinary courses started and departments involved (specify the initiation year -NIL**
5. **Annual/ semester/choice based credit system:**  
 In academic years 2009-10 and 2010-11, annual pattern of examinations in which examinations are conducted term-wise. From academic year 2011-12, credit based semester and grading system of examinations.
6. **Participation of the department in the courses offered by other departments.**  
 Prof. S.J. Mandpe was visiting faculty for the Babasaheb Gawade Management Institute course conducted by the Department for conducting classes for I.A.S. aspirants in 2009-2010.
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 and filled (Professors/Associate Professors/Asst. Professors)**

Post	Sanctioned					Filled				
	2009-10	2010-11	2011-12	2012-13	2013-14	2009-10	2010-11	2011-12	2012-13	2013-14
Asso. prof	03	03	03	03	03	03	03	03	03	03till 2013

**10. Faculty profile with name, qualification, designation, specialisation (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided in the last 4 years
Dr. M.B.Purandare (Retired in Dec.2013)	M.A., B.Ed, M.Phil,PhD.	Head, Dept. Of History & Associate Professor,	History	28	--
S.J.Mandpe	M.A.,M.Phil.	Asso.Prof	History	25	--
Dr.A. S.Calangukar	M.A.,D.H.E. MPhil.Ph.D.	Asso. Prof	History	23	--
Asma Shaikh	M.A.,B.Ed.	C.H.B.	History	02	--
Padmaja Somanchi	M.A.,M.Phil.	C.H.B.	History	Six months	--

11. List of senior visiting faculty: Nil

**12. Percentage of classes taken by temporary faculty – programme-wise information**

Class	T.Y.B.A	S.Y.B.A.	F.Y.B.A.
Percentage	Nil	15%	15%

**13. Student Teacher Ratio (Programme-wise)**

Class	B.A.
Ratio	125:1

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.: Refer Q. NO. 10

16. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise: NIL

17. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received: NIL

**18. Research facility / centre with NIL**

**19. Publications:**

- Dr.Ms.M.B.Purandare has 2 publications in book form
- Prof.Smt..S.J.Mandpe has 1 publication in book form
- Dr. Smt. Archana Calangutkar has 2 publications in national Journals and 1 in book form

**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** 100% of students participates in assignments on the subjects in the form of projects submitted towards internal assessment as a part of their course work at all levels at the U.G. Program in the course.

**23. Awards / recognitions received at the national and international level by faculty and students – NIL**

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

List of eminent Alumni of the department.

- Ms.Padmaja Somanchi : Merit Holder in History in University
- Ms.Arti Khole : Head , Dept. of History, Wilson College
- Mr.Adarsh Shinde, Well known Singer
- Ms.Seema Khinchi : Social Activist
- Mr.Kapil Verma : Cinematographer
- Dr. Mubin Syed : Writer and social activist working for the cause of women

**25. Seminars/ Conferences/Workshops organized and the source of funding (National / International) with details of outstanding participants, if any:**

- Bhavan's College and the Department of History organised a One Day Seminar titled ' Folklore As A Source Of History '.
- The Department Of History, Bhavan',s College and Bombay History Teachers Association organised one day workshop regarding the new syllabus for F.Y.B.A. to be introduced from 2010-2011.

**26. Student profile course-wise:**

Name of the Course (refer question no. 2)	Academic Year	Applications received	Selected Male	Selected Female	Pass percentage
UG : T.Y.B.A.	2009-10	75	21	54	64%
	2010-11	81	17	64	72%
	2011-12	53	14	39	47%
	2012-13	76	21	55	68%
	2013-14	73	18	55	60%

**27. Diversity of students**

Name of the Course (refer question no. 2)	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
UG : B.A	50%	95%	5%	NIL

**28. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations - NIL**

**29. Student progression**

Student progression	Percentage against enrolled
UG- PG	20% (many join professional courses)
PG-M.Phil	About 5%
PG to PhD	About 5%
Employed	
Campus Selection	Nil
Other than Campus Recruitment	About 80%

**30. Present details about department infrastructural facilities available**

- Library – Kautilya Library
- Internet facilities for staff and students available in Library

**31. Number of students of the department getting financial assistance from College:**

Financial assistance is provided to reserved category students at the college level and about 50% students avail of the benefit. On an average, Rs.22 lacs is disbursed per annum.

**32. Details of student enrichment programmes (special lectures / workshops/ seminar) with external experts**

- Dr.Joan Dias ,Head of the Dept.of history ,M.V.L.U.College, delivered a lecture on the topic 'Forts of Mumbai' in June 2010.
- Prof.Ramesh Paloti ,Librarian is invited every year to address the students on Library Science and Career opportunities .

**33. Teaching methods adopted to improve students learning**

- Lecture
- Field Visits
- Library Sessions
- Questionnaires
- Group Discussions
- Guidance on preparing Notes
- Holding Exhibitions

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

- About 40% of the students participate in N.S.S. and N.C.C.
- Our Students Kum.Nitya Nadar and Kum.Vandana Singh bagged the first and second prize at the quiz competition conducted by R.B.I. Numismatics Museum 2010.

**35. SWOC analysis of the department and Future plans**

**Strengths:**

- Qualified and committed teaching staff .
- History Association.
- Involvement in research activities
- Historical Excursions within and outside the city.
- Departmental Library- Kautilya Library

**Weakness:**

- Students are first generation learners
- Social inhibitions
- Non availability of separate space for departmental activities
- Non availability of Teachers exchange programme.



**Opportunities –**

- Increasing scope for research projects offered by various agencies.
- Corporates needs history students for their libraries and archives.
- Various avenues are available for mass media students.
- Career Opportunities available in the field of archaeology, museology and numismatics.
- Career opportunities available in teaching and civil services

**Challenges:**

- Students drop-out.
- Financial constraints of the students.
- Low motivation among students.

**Future plans of the department;**

- To conduct Post-graduation teaching in our College.
- To create a strong and active Alumni Association of History students.
- To start short term courses related to History.
- Creating awareness about environment through historical research projects.

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1. **Name of the Department:** DEPARTMENT OF PHILSOPHY
2. **Year of establishment:** 1946
3. **Names of Programmes / Courses offered:** UG: B.A. in Philosophy
4. **Interdisciplinary courses started and departments involved:** NIL
5. **Annual/ semester/choice based credit system:**  
 In academic years 2009-10 and 2010-11, annual pattern of examinations in which examinations are conducted term-wise. From academic year 2011-12, credit based semester and grading system of examinations.
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 Course/programmes discontinued (if any) with reasons:** Nil

9. **Number of teaching posts sanctioned and filled**

Post	Sanctioned					Filled				
	2009-10	2010-11	2011-12	2012-13	2013-14	2009-10	2010-11	2011-12	2012-13	2013-14
Asso. prof.	2	2	2	2	2	2	2	2	2	2

10. **Faculty profile with name, qualification, designation, specialisation (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided in the last 4 years
Smt. B B JOSHI	M.A. M.Phil	Associate	Philosophy	31(Retired on 31.12.2013)	----
Smt.R B SANIL	M.A.	Associate	Philosophy	30	----

11. **List of senior visiting faculty:** Nil
12. **Percentage of classes taken by temporary faculty – programme-wise information -NIL**

13. **Student-Teacher Ratio:** 78:1 (B.A.)
14. **Number of academic support staff (technical) and administrative staff: sanctioned and filled:** NIL
15. **Qualifications of teaching faculty with D.Sc./D.Litt./ Ph.D. /M.Phil./PG, etc.:**  
**Refer Q. No. 10**
16. **Number of faculty with ongoing projects from a) National b) International Funding Agencies and c) Total Grants received. Mention names of funding agencies and grants received project-wise:** NIL
17. **Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received:** NIL
18. **Research facility / centre:** NIL
19. **Publications:** NIL
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:**  
100% of students participate in assignments on the subjects in the form of projects submitted towards internal assessment as a part of their course work at all levels at the U.G. Program in the course.
23. **Awards / recognitions received at the National and International level**  
Nil
24. **List of eminent academicians and scientist/visitors/alumni to the department:**
25. **Seminars/ Conferences/Workshops organized and the source of funding (National / International) with details of outstanding participants, if any:**  
NIL

**26. Student profile course-wise:**

Name of the Course (refer question no. 2)	Academic Year	Applications received	Selected Male	Selected Female	Pass percentage
UG : T.Y.B.A.	2009-10	15	--	15	90%
	2010-11	6	1	5	100%
	2011-12	6	1	5	90%
	2012-13	2	--	2	100%
	2013-14	10	2	8	---

**27. Diversity of students:**

Name of the Course (refer question no. 2)	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
UG : BSc.	50%	95%	5%	NIL

**28. How many students have cleared Civil Services, Defence Services, NET, SLET, GATE and any other competitive examinations? : NIL**

**29. Student progression**

Student progression	Percentage against enrolled
UG- PG	40%
Employed	
Campus Selection	5%
Other than Campus Recruitment	85%

**30. Details of infrastructural facilities:**

- Library - College common library is used by students
- Internet facilities for staff and students- Available in Library

**31. Number of students of the department getting financial assistance from College:**

Financial assistance is provided to reserved category students at the College level and about 50% students avail of the benefit. On an average, Rs.22 lacs is disbursed per annum.

**32. Details of student enrichment programmes (special lectures / workshops/ seminar) with external experts.**

- Visit to Yoga Institute.
- Arrange special lectures from allied department teachers.

**33. Teaching methods adopted by the faculty for different programmes**

- Conducting tests on weekly & monthly basis
- Guiding students in their Projects.
- Helping students in locating Library Books
- Motivating students to speak in the class. Encourage students to participate in teaching learning process.

34. **Participation in Institutional Social Responsibility (ISR) and extension activities: NIL**

35. **SWOC analysis of the department and future plans**

**Strengths:**

Subjects like bioethics and yoga in philosophy help students to be rational and moral human beings. Philosophy helps them in gaining a correct prospective towards life and make them more efficient in solving problems and challenges.

**Weakness:**

Unfortunately in the present science oriented society humanities are given step motherly treatment. Man is incomplete without humanities. So it is necessary that the society and the government realises the value of philosophy.

**Opportunities:**

Teaching, civil services, banks, airlines, MNCs etc.

**Challenges:**

- Professional ethics is an integrated aspects of philosophy. By giving more scope to philosophy in different branches of education we can make better human beings.
- Professional ethics if followed religiously by everyone it will lead to the upliftment of the society.

**Future plans of the department**

Philosophy gives a perspective towards life to every common man. So given a chance we would like to include Philosophy components in every branch of education. This is the reason why in every IIT, Philosophy is accepted as an elective subject. Management Institutes have introduced a chapter Management & Bhagwad Gita.

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1. **Name of the department:** DEPARTMENT OF POLITICAL SCIENCE
2. **Year of establishment:** 1946
3. **Names of Programmes / Courses offered: UG:** B.A. in Political Science (3 papers)
4. **Interdisciplinary courses started and departments involved (specify the initiation year ) :** Nil
5. **Annual/ semester/choice based credit system:**  
 In academic years 2009-10 and 2010-11, annual pattern of examinations in which examinations are conducted term-wise. From academic year 2011-12, credit based semester and grading system of examinations.
6. **Participation of the department in the courses offered by other departments.**  
**Staff Prof. Aparna Jadhav**
  - delivered a lecture on 'Introduction & Preparation for Civil Service Exam' on 25<sup>th</sup> July 2014.
  - conducted a field trip for the students of the Political Science department to Mantralaya, Vidhan Bhavan, High Court & Museum, Year 2014.
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil
8. **Details of Course/programmes discontinued (if any) with reasons:** Nil
9. **Number of teaching posts:**

Post	Sanctioned					Filled				
	2009-10	2010-11	2011-12	2012-13	2013-14	2009-10	2010-11	2011-12	2012-13	2013-14
Assist prof	02	02	02	02	02	02	02	02	02	02

**10. Faculty profile with name, qualification, designation, specialisation (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided in the last 4 years
Rutuja Dhumale	M.A., N.E.T.	Asst. Prof.	Political Science	14 yrs.	--
Aparna Jadhav	M.A., S.E.T., P.G.D.EM.	Asst. Prof.	Political Science	14 yrs.	--

11. **List of senior visiting faculty:** Nil
12. **Percentage of lectures delivered and Practical classes handled (programme-wise) by temporary faculty:** Nil
13. **Programme-wise Student Teacher Ratio**  
 F.Y. B.A– 50:1  
 S.Y. B.A– 30:1  
 T.Y. B.A - 16:1
14. **Number of academic support staff (technical) and administrative staff: sanctioned and filled:** Nil
15. **Qualifications of teaching faculty with D.Sc./D.Litt./ Ph.D. /M.Phil./PG, etc.:** Refer Q. No. 10
16. **Number of faculty with ongoing projects from a) National b) International funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise:** Nil
17. **Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received:** Nil
18. **Research facility / centre:** Nil

**19. Publications number of papers published in peer reviewed journals (National / International):**

Name of Staff	Title of paper	Year	Name of conference	Impact factor /ISSN Number
Aparna Jadhav	Higher Educational Institutions in India: Challenges & Role in the Era of Globalisation	2014	National Seminar on 'Role of Teachers and Educational Institutions in Social Transformation'	-----

**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:** 100% of students participate in assignments on the subjects in the form of projects submitted towards internal assessment as a part of their course work at all levels at the U.G. Program in the course.

**23. Awards / recognitions received at the National and International level: Nil**

**24. List of eminent academicians and scientist/visitors/alumni to the department:**

List the distinguished alumni of the department

- Ms. Manju Gowda : Fashion Consultant , Levi Brand
- Ms. Shruti Rathod : National Tennis Player
- Ms. Dipti Chadda : Teacher in Ryan International School
- Mr. Rounak Shetye : Event Manager

**25. Seminars/ Conferences/Workshops organized and the source of funding (National / International) with details of outstanding participants, if any: Nil**



**26. Student profile programme/course wise:**

Name of the Course (refer question no. 2)	Academic Year	Applications received	Selected Male	Selected Female
UG: T.Y.B.A.	2009-10	15	--	15
	2010-11	6	1	5
	2011-12	6	1	5
	2012-13	2	--	2
	2013-14	10	2	8

**27. Diversity of students**

Name of the Course (refer question no. 2)	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
B.A. in Political Science (3papers)	80%	80%	08%	NIL

**28. How many students have cleared Civil Services, Defence Services, NET, SLET, GATE and any other competitive examinations? : Nil**

**29. Student progression**

Student progression	Percentage against enrolled
UG- PG	80%
PG-M.Phil	-
PG to PhD.	-
Ph.D. to Post Doctoral	-
Employed	80%
Campus Selection	-
Other than Campus Recruitment	80%

**30. Details of infrastructural facilities:**

- Library - College common library is used by students
- Internet facilities for staff and students- Available in Library

**31. Number of students of the department getting financial assistance from College:**

Financial assistance is provided to reserved category students at the College level and about 50% students avail of the benefit. On an average, Rs.22 lacs is disbursed per annum.

**32. Details of student enrichment programmes (special lectures / workshops/ seminar) with external experts.**

- Every year the department organizes MOCK Election for U.G. students.
- In the year 2012, Lokpal Rally was organized.
- A programme 'Salute to Freedom Fighters' was organized on Aug.14, 2012.
- A Street play on 'Mahatma Gandhi's Ideology' was organized on Aug.14, 2012.

**33. Teaching methods adopted by the faculty to improve student learning**

- Symposia
- Debates

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

- Students are encouraged to participate in College and University extension activities through participation in NSS, NCC, Cultural Festivals, and Association activities within the College as also in other Colleges. The teachers of the department give them concessions in attendance of lectures/ tutorials and ensure that they are given notes and coached personally after class hours whenever required. Many students have often won Best Student of the Faculty/College awards, for which, participation in Extra-curricular activities is a must.

**35. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department**

**Strengths:**

- Cooperative staff
- Department is truly democratic in nature
- Very enthusiastic nature of activities
- Students change into future leaders
- Gandhism makes us more humane

**Weakness:**

- Less Students
- Students with poor writing skills
- Insufficient references
- Low temperament for 3 papers

**Opportunities:**

- New opening through research
- Through attending seminars & workshops
- Managing & incorporating with other departments

**Challenges:**

- To get more students in T.Y. level
- To maintain the status-quo with 6 papers (big) departments

**Future plans of the department:**

- Idea to establish a 'Think-Tank'
- General Lectures for all FY, SY, TY & Gandhism students
- Following "Moun" in particular day in a week. "Moun" is not talking (only for students)
- Compulsory formal dressing for students (our department only)
- Preparing them for writing CV, Resume
- Instructing students about internet uses & compulsory using it for further information
- Taking students for field visits

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1. **Name of the department: DEPARTMENT OF PSYCHOLOGY**
2. **Year of establishment:** 1999
3. **Names of Programmes / Courses offered: UG: B.A-in PSYCHOLOGY**
4. **Interdisciplinary courses started and departments involved (specify the initiation year):** Nil
5. **Annual/ semester/choice based credit system:**  
In academic years 2009-10 and 2010-11, annual pattern of examinations in which examinations are conducted term-wise. From academic year 2011-12, credit based semester and grading system of examinations
6. **Participation of the department in the courses offered by other departments**  
**Staff –Dr. Kranti C. Gawali (Resource Person)**  
delivered a lecture:
  - Resource person-Preparation for paper I for the NET/SET exam in workshop held on 09/12/2010
  - Resource person-Preparation for NET/SET exam in workshop organized by Centre for Study of Social Exclusion and Inclusive Policy, SNTD Women's University.
  - Resource person for the 1 day workshop on preparation for competitive exams organized by Dnyanvikas Pratishthan on 10th Nov 2012.
  - Organized a visit for the students to the directorate of Forensic Science Laboratories, Kalina, Mumbai, Jan 11, 2013.

Post – Graduate teaching

  - Visiting faculty for teaching “Intervention Strategies in counselling”, for M.A II, at PGSR, Department of Psychology, SNTD Women's University during the academic year 2004 – 05.
  - Visiting faculty for teaching, “Intervention in counseling Psychology” and “Adjustment in Counselling Psychology” for MA II at Maniben Nanavati women's College, SNTD Women's University, from 2006 – till date.
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil
8. **Details of Course/programmes discontinued (if any) with reasons:** Nil

**9. Number of teaching posts:**

**(Professors/Associate Professors/Asst. Professors)**

Post	Sanctioned					Filled				
	2009-10	2010-11	2011-12	2012-13	2013-14	2009-10	2010-11	2011-12	2012-13	2013-14
Assist Prof.	01	01	01	01	01	01	01	01	01	01

**10. Faculty profile with name, qualification, designation, specialisation (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided in the last 4 years
Dr. Kranti C.Gawali	M.A, Ph.D.	Assistant Prof. Head of the Department	Clinical Psychology	14 years	Nil

11. **List of senior visiting faculty:** Nil

12. **Percentage of classes taken by temporary faculty – programme-wise information** NIL

13. **Student-Teacher Ratio:** 160:1 (B.A).

14. **Number of academic support staff (technical) and administrative staff: sanctioned and filled:** Nil

15. **Qualifications of teaching faculty with D.Sc./D.Litt./ Ph.D. /M.Phil./PG, etc.:**  
**Refer Q. No. 10**

16. **Number of faculty with ongoing projects from a) National b) International funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise:** Nil

17. **Departmental projects funded by DST-FIST; DBT, ICSSR, etc.;** total grants received: Nil

18. **Research facility / centre:** Nil

**19. Publications:**

- Dr. (Smt.) Kranti Gawali has published 6 papers in International Journals, 2 in National Journals and 11 papers presented in National Seminars.

20. **Areas of consultancy and income generated** : Nil

21. **Faculty as members in (a) National Committees (b) International Committeeed (c) Editorial Boards...: Nil**

22. **Student projects:**

- 100% of students participates in assignments on the subjects in the form of projects submitted towards internal assessment as a part of their course work at all levels at the U.G. Program in the course

23. **Awards / recognitions received at the National and International level by Faculty: Nil**

24. **List of eminent academicians and scientist/visitors/alumni to the department:**

List the distinguished alumni of the department:

- Renuka Menon BA, B.Ed ( currently pursuing MA Education part 2) Teacher - Children's Academy
- Aarti Aiyar, P.G. D. In counselling and guidance. Child and family counsellor-own clinic
- Neha Bhuvania BA, Graphic designer. Currently making and selling only handmade paper craft items
- Mrs. Nisha archarya, M.A. in psychology, Matunga, Working for Wan Hai lines shipping Co Documentation Dept/Dubai Heena siddiqui, BA & FASHION DESIGNING.Now working as a counsellor in INIFD International institute of fashion designing.
- Ashwini Parab B.A., PGDA in H.R from welingkar and currently pursuing Degree in Healthcare management from same institute and working for Morpheus I.V.F centre as center co-ordinator
- Mrs Shabnoor Hadi, BA, PGDP in Early Childhood Education. 3 Years of Experience as Pre Primary Teacher in Mumbai & Dubai combined. Currently a housewife expecting my 2nd child.
- Mrs. Priya Dias, BA, Diploma in Early Childhood Care and Education, Teacher in Bombay Cambridge School Andheri West
- Mrs. Bushra Shaikh. BA; Worked as a Marketing Assistant in Schiller Diagnostic company Andheri East. Current status- enjoying mother hood with two kids.
- Zainab Penwala; BA in Psychology n Economics; MA in Industrial Psychology SNTD; Working as a Sr. Consultant HR, Contact Resource Management.
- Swathi Amin Ba in psychology & English literature, Diploma in interior designing, MBA in Design Management currently working as a interior designer cum manager for International furniture brand company under brand Roche boobies

25. **Seminars/ Conferences/Workshops organized and the source of funding (National / International) with details of outstanding participants, if any:**  
 Nil

26. **Student profile course-wise:**

Name of the Course (refer question no. 2)	Academic Year	Applications received	Selected Male	Selected Female	Pass %
UG: T.Y.B.Sc.	2009-10	37	2	35	97.29%
	2010-11	27	4	23	85.1%
	2011-12	29	4	25	100%
	2012-13	32	8	24	65.5%
	2013-14	41	10	31	50%

27. **Diversity of students**

Name of the Course (refer question no.2)	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
UG : B.A.	50%	95%	5%	NIL

28. **How many students have cleared Civil Services, Defence Services, NET, SLET, GATE and any other competitive examinations? :** Nil

29. **Student progression**

Student progression	Percentage against enrolled
UG- PG	45%
Employed	68%
Campus Selection	5%
Other than Campus Recruitment	63%
Entrepreneur	5%

30. **Details of Infrastructural facilities:**

- Library- common College library n online books and e-journals.
- Internet facilities for staff and students-available in College library and office
- Class rooms with ICT facility: ICT facilities like laptop, LCD etc...are made available in the as per requirement.
- Students' laboratories: Not applicable

31. **Number of students of the department getting financial assistance from College:**

Financial assistance is provided to reserved category students at the College level and about 50% students avail of the benefit. On an average, Rs.22 lacs is disbursed per annum.

**32. Details of student enrichment programmes (special lectures / workshops/ seminar) with external experts.**

**2009-10**

- Organized the Campaign for “Awareness about date Rape” was organized in collaboration with University of Mumbai dept. Applied Psychology on 11/11/09
- Guided the students to attended a seminar on ‘Mood Disorders” organized by L.S. Raheja College 26/11/09
- Guided the students to attended the Annual Convention of the Bombay Psychological Association “Cognitive Psychology” 12/01/10
- Organized a field visit to Dilkhush Special School 24/01/10
- Organized a Guest lecture on ‘Forensic science and Forensic Psychology’ by the Asst. Dir. of Forensic science laboratory 26/02/10

**2010-11**

- Guided the students to participate in and present research papers at the XVII annual convention of the Bombay Psychological Association
- Guided the students to participate in Poster Making completions and present research papers at the Silver Jubilee Conference of Marathi Manashtra Parishad (Students poster was winner of the third place)
- Guided and prepared the students to participate in the Inter collegiate debate competition held by Brihan Mumbai police Ayuktalaya and centre for study of social exclusion and inclusive policies ,SNDT Women’s Univ.
- Guided the students to compete for the Dr. Ambedkar Memorial Trophy in an intercollegiate elocution competition organized by Siddarth College.

**2011-12**

- Guided the students to participate in the XIX annual convention of the Bombay Psychological Association organized in collaboration with Centre for Disaster Management Guided the students to participate in and presented research papers at the 26<sup>th</sup> Conference of Marathi Manashtra Parishad
- Guided Eight Students in completing the Certificate Course on Educational Remedies for Intellectually Challenged, which is a teacher training course from the Vallabhdas Dagara, Indian Society for Mentally Challenged.
- Guided the students to participate in the Inter Collegiate Psychology fest organized by Dept. of Psychology, D.G. Ruparel College.

**2012-13**



- Guided students to attend a talk on “Laughter therapy” at D.G Ruparel College .Nov 30, ‘12
- Guided the students for attending "Mental Health Week" By Department of Psychology. R.D National College of Arts and Commerce and W.A Science College, Bandra Oct 1 to 7 2012
- Guided the students to attend a talk on "Managing Love and Relationship "By Dr. Avinash De Sousa Department Of Psychology, L.S Raheja College of Arts and Commerce Dec 12, 2012
- Guided the students to attend a talk on "Learning Disabilities: Different but Able" organized by the Bombay Psychological Association Annual Conference Jan 8, 2013
- Organized a visit for the students to the Directorate of Forensic Science Laboratories, Mumbai Jan 11, 2013
- Guided the students to attend Hypnotherapy workshop “Mind yourself” by Mr. Nitin. Shah on 12<sup>th</sup> Feb 2013
- Guided Six Students to completed the Certificate Course on Educational Remedies for Intellectually Challenged,which is a teacher training course from the Vallabhdas Dagara ,Indian Society for Mentally Challenged.
- Guided one student to complete the Diploma in learning disabilities and early intervention, from Samrat Academy

#### **2013-14**

- Students of the department Priya Nigam,Aditi Yadav,Ramona Fernandes, Deepti Jadhav ,Minaz Sheikh ,Hibra Ansari ,Nuzat Farooqi, Priyanka Patel ,Poonam Niwaskar ,and Mrudula Kadam of the department completed the “Certificate Course on Educational Remedies for Intellectually Challenged –Teacher Training Course” ,in affiliation with Padmashree Dr.D..Y Patil University at Vallbhdas Dagara Indian Society for Mentally Challenged at Malad west from 31<sup>st</sup> Aug.2013-27<sup>th</sup> Oct.2013.
- A guest lecture on “career in Criminology “By Ms Sumedha Gajbhiye was
- Organized on 13 th sept 2013.
- Students attended a lecture on “How to prepare for an interview” by Dr Avinash Desouza organized by L.S.Raheja College 1<sup>st</sup> Aug, 1013.
- On 31<sup>st</sup> Jan and 1<sup>st</sup> feb. 2014 students went to attended talk at on Relaxation therapy and stress management at Mithibai College.
- Students of the Psychology Dept attended the one day seminar on “A pre interview assessment program” for the youth, which was useful for learning behavioral skills and personality development of students. The program was organized by SAATHI FOUNDATION ,on 10<sup>th</sup> Jan.2014.Romila Ibrahimpurkar an alumini of the Dept. is the co-founder of the foundation

### **33. Teaching methods adopted by the faculty to improve student learning:**

- Use of lecture, Discussions, debates, presentations, class tests, field visits, etc....

### 34. **Participation of students and faculty in extension activities**

The faculty delivers talk on career guidance and other social issues as well as writes articles in popular newsletters n magazine.

#### **2010-11**

- Resource person-Preparation for paper I for the NET/SET exam in workshop held on 09/12/2010
- Resource person-Preparation for NET/SET exam in workshop organized by Centre for Study of Social Exclusion and Inclusive Policy, SNDT Women's University

#### **2011-12**

- Delivered a talk on "Preparing for College Life" for the 10<sup>th</sup> and 12<sup>th</sup> passed students, in a program organized by the Karmaveer Dadasaheb Gaikwad Sanskrutik Kendra, on 17<sup>th</sup> Jul.2011.
- Published an article "Boudha Dhammatil Streeyanche Stan" in a newsletter "NALANDA" in three parts from 19<sup>th</sup> Dec 2011 to 16<sup>th</sup> Jan 2012

#### **2012-13**

- Resource person for the 1 day workshop on preparation for competitive exams organized by Dnyanvikas Pratishtan on 10<sup>th</sup> Nov 2012
- Delivered a talk on "Stree Shakti Samaj Pragaticha Aadhar" at Dr. Babasaheb Ambedkar Vyakhyan Mala organized by Dr. Babasaheb Ambedkar Prabodhan Sabha Akola on 4<sup>th</sup> Dec 2012
- Published an article "Dual Torture for Dalit Women" in magazine "One India one People" volume 16/4 Nov 2012

#### **2013-14**

- Her comments as a Psychology expert were published in The Free Press Journal 2nd June, 2013, on gender tilt in sterilization programmes.
- She was invited as a guest to deliver a talk on "Rashtramata Jijau ani Krantijyoti Savitribai Phule Birth anniversary celebration", organized by Sanghamitra Mahila Mandal on 18th Jan. 2014.
- She was also invited as a Guest and an speaker on "Bahujanancha Mahamata", a joint celebration of birth anniversary of Rajmata Jijabai, Savitribai Phule and Ramabai Ambedkar, organized by the Peoples Improvement Trust, on 11th Feb, 2014.

- She successfully completed a 6 days Short Term Course on Counselling Skills for Faculties , organized by the Academic staff College University of Madras in Dec,2013.
- She was a member of the organizing committee of the Two day “Vidrohi Sahitya Sammelan” ,held I Mumbai on 1st and 2nd Mar ,2014.
- She was co-opted as a Member of committee constituted to finalize the “Third Mahila Dhoran 2013”, by the Ministry of Women and Child Welfare, Government of Maharashtra. She had the opportunity to work with, the H’ble minister Varsha Gaikwad who headed this committee.
- Dr Kranti Gawali has also been elected as a Member of the Executive Committee of the “Peoples Improvement Trust”, which is a social work organization established by Bharatratna Dr B.R.Ambedkar himself in 1944.She heads the Women’s Development subcommittee in the trust and is a member of the subcommittee for Education related activities.

### **35. SWOC analysis of the department and future plans**

#### **Strengths:**

- Students and faculty are committed to academic and career achievement
- Most students take up further studies in psychology and work as counsellors

#### **Weakness:**

- Psychology is not offered as a specialization at the final year level.

#### **Opportunities**

- If the department started a specialization at the final year many more students can benefit and go ahead with post graduation in the subject.

#### **Challenges**

- Managing in the present infrastructure n

#### **Future plans of the department**

- To apply for 6 units affiliation for the subject.

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1. **Name of the Department:** DEPARTMENT OF BOTANY
2. **Year of establishment:** 1946
3. **Names of Programmes / Courses offered:**
  - **UG:** BSc-in Botany- (Horticulture and Gardening) AC
  - **PG:** MSc- in (specialization-Plant Biotechnology and Cytogenetics)
  - **M.Phil:** In Environmental Science
  - **Ph.D:** In Cytogenetics, Mycology & Plant pathology, Anatomy
4. **Interdisciplinary courses started and departments involved (specify the initiation year)**
  - Horticulture and Gardening was offered to T.Y.B.Sc. Biotech students from 2008 to 2014.
5. **Annual/ semester/choice based credit system:**
  - In academic years 2009-10 and 2010-11, annual pattern of examinations in which examinations are conducted term-wise. From academic year 2011-12, credit based semester and grading system of examinations.
6. **Participation of the department in the courses offered by other departments.**
  - Vocational Biotech certificate course was offered to UG students.
  - Students of M.Sc., Bazegah & Nazia attended training course in Molecular Biology conducted by Micro. Department.

#### **Staff**

##### **Dr. Nitin Labhane**

- delivered lecture 5 lectures on gametogenesis & embryo sac development & 3 lectures on early development of embryo at Kolhapur university in 2009, 4 lectures on Bee pollination (2013)
- was visiting faculty for the PG course conducted by the Department of Botany in RTM Nagpur university.(2009-2011).

##### **Vishal R Kamble** delivered lecture/s on :

- Host Parasite Interaction, on 11th Dec 2010 at NET (National Eligibility Test) coaching Workshop to train the P. G. students” organized by Dept of Botany Shivaji University, Kolhapur-416 004 (MS)
- Preparation of Life Sciences Paper II & III on 10th Dec 2011 at Workshop on Preparation for NET/SET examination organized by Bhavan's College Unit for Special Privileges to Students (BCUSPS) under the UGC Merged Scheme for the coaching of NET/SET examination sanctioned for Bhavan's College.
- Microbial Genetics, on 12th Jan 2011 at NET (National Eligibility Test) coaching Workshop to train the P. G. students” organized by Dept of Botany Shivaji University, Kolhapur-416 004 (MS).

- Aerobiology, on Jan 2013.for UG students of Botany Department Abasaheb Marathe College Rajapur, affiliated to University of Mumbai.
- Extra nuclear genetic system; Principles of Genetic Engineering (21-22 Jan 2009, 28-29th Dec 2010, 30-31st Jan 2012); at PG Dept of Botany, Dapoli Urban Bank Science College, Dapoli.
- Visiting faculty for the Post Graduate students of M.SC. Botany, the course conducted by the Department of Botany, Dapoli Urban Bank Senior Science College affiliated to University of Mumbai, in Year 2009-10.

7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil

8. **Details of Course/programmes discontinued (if any) with reasons:** Nil

9. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

Post	Sanctioned					Filled				
	2009-10	2010-11	2011-12	2012-13	2013-14	2009-10	2010-11	2011-12	2012-13	2013-14
Asso prof	5	5	5	5	5	5	5	5	4	4
Assist prof	2	2	2	2	2	2	2	2	2	2

10. **Faculty profile with name, qualification, designation, specialisation (D.Sc./D.Litt./ Ph.D./M.Phil., etc.) :**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided in the last 4 years
Dr. Usha Parameswaran	M.Sc. Ph.D.	Assoc. Prof.	Mycology & Plant Pathology	34years	Two
Dr.Maya Chemburkar	M.Sc. Ph.D.	Assoc. Prof.	Cytogenetics	35 years	Two
Dr.Asmita Mestry	M.Sc.M.Phil. Ph.D.	Assoc. Prof.	Anatomy	27 years	Nil
Dr. Kakoli Dassharma	M.Sc.M.Phil. Ph.D.	Assoc. Prof.	Cytogenetics	31 years	Nil
Dr. Nitin Labhane	M.Sc. Ph.D.	Asst. Prof.	Embryology	14 years	Nil
Vishal R. Kamble	M.Sc. NET (JRF)	Asst. Prof.	Mycology & Plant Pathology	10 years	Nil

11. **List of senior visiting faculty:** Nil

12. **Percentage of lectures delivered and practical classes handled (programme-wise)**

by temporary faculty: 10.24%

**13. Student-Teacher Ratio:**

B.Sc	33 : 1
M.Sc	2 : 1

**14. Number of academic support staff (technical) and administrative staff: sanctioned and filled:**

- Laboratory Assistant: 1(Sanctioned:1)
- Laboratory Attendant:4 (Sanctioned: 4)
- Peons : 1

**15. Qualifications of teaching faculty with D.Sc./D.Litt./ Ph.D. /M.Phil./PG, etc.: Refer Q. No. 10**

**16. Number of faculty with ongoing projects from a) National b) International funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise:**

Name of Staff	Funding agency	Year	Total grant
Dr. Asmita Mestry	Mumbai University Minor Project	2013-14	25,000/-

**17. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received: NIL**

**18. Research facility / centre with: NIL**

**19. Publications:**

Number of papers published in peer reviewed journals (National / International):

Name of The Staff	No. Of Papers	International	National
Dr. Usha Parameswaran	4	1	3
Dr. Maya Chemburkar	2	-	2
Dr. Asmita Mestry	1	1	-
Dr. Kakoli Dassharma	3	2	1
Dr. Nitin Labhane	9	8	1
Dr. Vishal Kamble	14	11	3

**Number of posters/oral presentations in conferences (National / International):**

- The staff members of the Department presented posters and research papers at National and International level. 83 such posters/oral presentations are made.

**Monographs:**

Books written with ISBN numbers with details of publishers-

- **Dr. Nitin Labhane** author of the book “Plant ecology & utility of plants” (ISBN 978-81-9261959-1-2) GC Publisher, Nagpur

**Chapter(s) in Books:**

- Labhane NM & Dongarwar 2012 Embryo abortion in some members of family Acanthaceae. In D.G. Bhadange & D.K. Koche (ed) innovative Research Trends in Biological Sciences. Dept. Of life science, Shivaji College, Akola 97-99 (ISBN : 978-81-923621-0-6)

**Details of patents and income generated:**

- Dr.Maya Chemburkar: Method of synthesis of Zinc oxide nano-particles using Oscillatoria algae.
- Dr. Kakoli Dassharma: Method for production of Enzyme L – Glutaminase from Bacteria present in gut region of Penaeu monodon by Intellectual Property, India, Dept. Of Industrial Policy and Promotions, Ministry of Commerce and Industry. Published on 15th April 2013 in Journal No. 14/2013.

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:**

**Percentage of students who have done in-house projects including inter-departmental:**

- From 2009 to 2014 average 20 students of T.Y.B.Sc. class have completed projects in Horticulture and Gardening and in M.Sc. Part II, average 10 projects have been submitted by PG students from 2009 to 2014.

**Percentage of students doing projects in collaboration with industries / institutes:** NIL

23. **Awards / recognitions received at the National and International level by Faculty:**

- **Dr. Asmita Mestry:**
  - Second runner up prize was awarded for poster title as Fruits of Couroupita guianensis Aublet. as an emerging edge in perfumery in National poster

Presentation competition on New Age Cosmetics and Fragrance held on 12th Feb.-2011 in ISCC & V.G. Vaze College

- Second prize for the poster titled as Efficacy of Phytoextract of Vernonia cinerea(L)Less on surface Mycoflora of some fruits in National seminar on Fungi and Human welfare held at Ramnarain Ruia College, Mumbai-400 019 on Feb-2013

**Students:**

- Dr. Usha and Dr. Vinit in collaboration with Radha, Jayda, Jyoti and Payal of S. Y. B. Sc. Class were Second prize winners and got cash prize and medals in Inter-collegiate competition held at National College on 16<sup>th</sup> September 2010.

**Vishal Kamble Awards-**

- Best research paper presentation award conferred by the International society of Science and Technology ISSN 0974-0678 in UGC Sponsored National Conference On “Frontiers of Plant Sciences for Sustainable Agriculture and Rural Development” held at Department of Botany Arts, Science & Commerce College, Naldurg Tq. Tuljapur, Dist. Osmanabad - 413 602 (M.S), during 28<sup>th</sup> - 29<sup>th</sup> Jan 2011 for paper entitled Arbuscular Mycorrhizal Association In Some Medicinal Plants Belonging To Asteraceae Found In Panhala Hill Of Maharashtra, India 1Vishal R. Kamble, 2Rupesh R. Maurya and 3Dinesh G. Agre
- Best research paper presentation award conferred in UGC Sponsored National Conference On “Frontiers of Plant Sciences for Sustainable Agriculture and Rural Development” held at Department of Botany Arts, Science & Commerce College, Naldurg Tq. Tuljapur, Dist. Osmanabad - 413 602 (M.S), during 28<sup>th</sup> - 29<sup>th</sup> Jan 2011 for paper entitled Arbuscular Mycorrhizal Association In Some Medicinal Plants Belonging To Asteraceae Found In Panhala Hill Of Maharashtra, India <sup>1</sup>Vishal R. Kamble, <sup>2</sup>Rupesh R. Maurya and <sup>3</sup>Dinesh G. Agre
- Best research paper (oral) presentation award conferred by the Society of Applied Biotechnology Bioinformatics and Bioengineering (SAB) in National Conference on Biotechnology, Bioinformatics and Bioengineering. Organized By Society for Applied Biotechnology (SAB) held at the Hotel Adhiyamaan Palace, Dharmapuri, Tamil Nadu, during 17-18 December 2010 for paper entitled VAM Colonization and Inoculum Production For Ophioglossum Conservation , Vishal R. Kamble and Dinesh G. Agre
- Best research poster presentation award conferred by the Society of Applied Biotechnology Bioinformatics and Bioengineering (SAB). In National Symposium on Innovative and Modern Technologies For Agricultural Productivity, Food Security And Environmental Management Organized By Society for Applied Biotechnology (SAB) held at The Saffron Boutique Hotel Hampankatta Mangalore 575 001, Karnataka, during 22<sup>nd</sup> -23<sup>rd</sup> July 2011, for paper /poster entitled Arbuscular mycorrhizal association in some medicinal plants found in sand dune from Revdanda coast of Maharashtra 1Vishal R. Kamble, 2Dinesh G. Agre and 3Harshal Rahate
- Best research paper presentation award conferred In: National Seminar On Medicinal Plants: Status And Future” Organized By Department Of Botany Shivaji University Kolhapur Maharashtra, India, on 6<sup>th</sup> and 7<sup>th</sup> November,



2012. for paper entitled “Assessment of Indian Squill: *Drimiaindica* for Arbuscular Mycorrhizal fungal colonization from coastal region of Konkan. Kamble V.R., D.G. Agre and G.B. Dixit”.

- Best research paper presentation award conferred In: National conference on “Live Demonstration of Medicinal Plants in Winter Season-ANKUR AYURVEDA-2012”, Organized By Ankur Charitable Association at Ulavi (Western Ghats), Tal. Joida, Dist. Karwar, Karnataka, India, on 20th – 23rd Dec., 2012 for paper entitled “Assessment of Medicinal plant *Ketaka: Pandanus fascicularis* For of AM Fungal Association From Coastal Region of Konkan, Maharashtra. Kamble V.R., H.L. Rahate and L.R. Kanoujiya”.
- The prestigious Bharat Jyoti Award-2013 of the India International Friendship Society for his Meritorious Services, outstanding Performance and Remarkable Role in science, technology. The former Governor of Tamil Nadu & Assam, Dr. Bhisma Narayan Singh presented the award to Vishal R. Kamble at a Seminar on Economic Growth & National Integration at New Delhi on 9th Feb. 2013. He received Award in presence of the former Election Commissioner, G.V.G. Krishnamurthy, former Governor of Assam & Jharkhand, Syed Sibtey Razi and former Speaker of Rajasthan Legislative Assembly, Samrath Lal Meena.
- Best Citizens of India Award 2013, conferred by Best Citizen Publishing House New Delhi.

**24. List of eminent academicians and scientist/visitors/alumni to the department:**

**25. Seminars/ Conferences/Workshops organized and the source of funding (National / International) with details of outstanding participants, if any:**

- Workshop in “Bioinformatics and Its Application in Biological Science” on 8<sup>th</sup> and 9<sup>th</sup> January 2011 by the Department of Botany, Bhavan’s College, Andheri (West) and Daksh Foundation, Navi Mumbai – organized and convened by Dr. Kakoli Dassharma

**26. Student profile course-wise:**

Academic Year	Name of the Course (refer question no. 2)	Applications received	Selected Male	Selected Female	Pass Percentage
2009-2010	TYBSC	15	09	06	100%
2010-2011	TYBSC.	13	06	07	100%
2011-2012	TYBSC.	165	85	80	90%
2012-2013	TYBSC.	20	6	14	95%
2013-2014	TYBSC.	15	06	08	92.3%

**List the distinguished alumni of the department (maximum 10)**

- Dr. Aftab A. Shabnam, Scientist- B, Central Sericulture Research and Training Institute, Pampore, Kashmir, (J & K)
- Salil Sand

- Dhanshree Barve
- Priyanka Sharma
- Venu Dutta
- Prasanna
- Nikhil Patil

**27. Diversity of students**

Name of the Course (refer question no. 2)	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
UG : BSc.	50%	95%	5%	NIL

**28. How many students have cleared Civil Services, Defence Services, NET, SLET, GATE and any other competitive examinations? :**

- Deben Heman – Employed in Central Bank of India

**29. Student progression:**

Student progression	Percentage against enrolled
UG- PG	30%
PG-M.Phil	NIL
PG to PhD	NIL
Ph.D to Post Doctoral	NIL
Employed	60%
Campus Selection	NIL
Other than Campus Recruitment	60%
Entrepreneur	NIL

**30. Details of department infrastructural facilities:**

- Library – Departmental Library available for Teachers and Students -
- Internet facilities for staff and students - Yes
- Class rooms with ICT facility: Nil
- Students' laboratories: 05
- Research laboratories: 01

**31. Number of students of the department receiving financial assistance from College:**

Financial assistance is provided to reserved category students at the College level and about 50% students avail of the benefit. On an average, Rs.22 lacs is disbursed per annum.

**32. Details of student enrichment programmes (special lectures / workshops / seminar) with external experts.**

Activities	Dates

I	<b>Invited lectures of Scientists/ eminent faculties for UG &amp; PG students of Botany</b>	<b>Topic</b>	
1	<b>Prof. Pramod Kumar Gupta</b> , Dept of Bioinformatics, Dr. D.Y. Patil University, Nerul.	Bioinformatics basics and Practical learning	16/02/2010
2	<b>Dr. Aftab A. Shabnam</b> , Scientist-B, Central Sericulture Research and Training Institute, Pampore, Kashmir, (J & K)	'New Vistas in Botany'	07/09/2010
3	<b>Dr. Minakshi Vaidya</b> , Dept. of Botany, Mithibai College,	Workshop on : 'Fruits and Vegetable Carving Technique'	Sep. 2010
4	<b>Dr. Devarajan Thnagadurai</b> , [President of Soc. Appl. Biotech., Dept. of Botany, KUD, Dharwad, Karnataka]	'Scope of Research in Plant Sciences & Genetic Resources'	09/10/2011.
5	<b>Dr. Umesh Kakade (BOS Member MU)</b> was invited as Chief Guest for inauguration	Research opportunities in Plant Sciences	19th Dec. 2011
6	<b>Dr. Aparna Saraf</b> (Dept. of Botany, Institute of Science Fort Mumbai)	'Avenues in Botany: Finger Printing Technique for Herbal Drugs'	21 <sup>st</sup> Dec. 2011
7	<b>Dr. Devarajan Thnagadurai</b> , [President of Soc. Appl. Biotech., Dept. of Botany, KUD, Dharwad, Karnataka]	1. Honorary Fellow Award BBS – lecture 'Perspectives in plant Sciences: A path toward Molecular Breeding'	16 <sup>th</sup> Feb 2013
8	<b>Dr. D. Kirwale</b> (Dept. of Botany) MP College Panvel	"Role of Fungi in Human welfare"	4 <sup>th</sup> Feb 2013
9	<b>Dr. M. A. Waheed (Principal &amp; Head of Botany Dept.) Maharashtra College, Mumbai</b>	Inaugural speech	27 <sup>th</sup> Jan 2014
10	<b>Dr. Shrinath P. Kavade</b> Head of Botany Dept.) A.S. & C. College Lanja, Dist. Ratnagiri.	Honorary Fellow Award BBS – lecture during seminar on "Perspectives on plant Biodiversity":- 'Biodiversity in Western Ghats of Maharashtra'	28 <sup>th</sup> Jan 2014

- Vishal R. Kamble conducted a field trip for the students of the TYBSc class Botany department to Tungareshwar (13<sup>th</sup> July 2010; 29 July 2011), Tropical Nursery (17th July 2010, 16<sup>th</sup> Sep 2011) Chhota Kashmir (6th Feb. 2011) and to National Park Borivali (24th Jan. 2010), Horticulture Res. Inst. Talegaon, Pune (21<sup>st</sup>Jan 2012). For SYBSc Botany students (10<sup>th</sup> Feb 2010).

**33. Teaching methods adopted by the faculty for different programmes**  
**Vishal R. Kamble**

- Provided syllabus based handouts & Conducted seminars for T.Y.B.Sc. students on topics taught. Students presented topics for 5+2 min. Conducted Bioinformatics exercise based on RASMOL & RASWIN software for TYBSc students during 2009-2014.
- Showed computer assisted - web-based Bioinformatics tools for T.Y.B.Sc. students & Genetics- Linkage problems for group discussion amongst the S.Y.B.Sc. students to improve participatory learning skills during 2009-2014..
- Other faculties besides conventional chalk and black board method of teaching lectures were conducted based on 3D-animations through LCD Projector wherever required for students during 2009-2014.

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

- Bazegah K. Sayed (SYBSc.) won consolation prize for D. B. Amonkar Intercollegiate Oral Presentation Competition on “Organic farming”. Bazegah K. Sayed, and Nehan A.R. Shaikh (SYBSc.) stood 3rd in Bonsai preparation Intercollegiate competition held at Rizavi College on 9th Aug. 2010.
- Faculty: Vishal R. Kamble Secretary of Bhavan’s Botanical Society and Dept. of Botany conducted various activities to encourage the hidden talent and enthusiasm of students in the field of Plant sciences as listed below:

Activities		Dates
<b>1</b>	<b>Exhibition</b>	
	<b>Herbarium exhibition</b> based on rare plants (Kodaikanal) & collection, <b>An exhibition Know your Department:</b> Research contribution of Botany Dept. for students to develop scientific attitude.	16-18 <sup>th</sup> Feb 2010 18-20 <sup>th</sup> Jan 2011 19-21 <sup>st</sup> Dec. 2011
<b>2</b>	<b>Intra collegiate competition</b>	
	<b>Intra collegiate competition</b> to encourage the hidden talent and enthusiasm of students in the field of Plant sciences.	16-18 <sup>th</sup> Feb 2010 18-20 <sup>th</sup> Jan 2011 19-21 <sup>st</sup> Dec. 2011 27 <sup>th</sup> – 28 <sup>th</sup> Jan 2014

- BBS organizes special lectures for UG and PG students, workshops, exhibitions and intra-departmental competitions are held along with research paper presentations by the students to teach them the research skills.

- Prof. Vishal BBS Secretary (2009-14) and Dr. Nitin Jt Secretary (2011-14) along with other staff members meticulously conducted Inter Departmental competitions, Power Point presentations, Poster competitions, Phyto-Treasure Hunt through BBS.

### **35. SWOC analysis of the department and future plans:**

- Department consists of highly qualified teachers who believe in integrated teaching and research. There is good bond between teachers and students like Teacher Wards' system.

#### **Weakness:**

- Staff strength is sanctioned based on under graduate teaching. PG teaching and Practicals are managed additionally. There is a time constraint and space constraint.

#### **Opportunities:**

- Motivation of students to learn plant sciences and apply their knowledge in corporate sector, green audit, carbon credits, use of plants for migrating climate changes, organic farming etc.

#### **Challenges:**

- Sustaining quality to involve staff and students in research work overcoming limiting factors of time and space.

#### **Future plans of the department:**

- To motivate students to appear for competitive examinations and to develop our campus as a model "Green Campus"

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1. **Name of the Department: DEPARTMENT OF CHEMISTRY**
2. **Year of establishment: 1946**
3. **Names of Programmes / Courses offered:**
  - UG: B.Sc. (Chemistry)
  - PG: MSc (Chemistry)(specialization- INORGANIC/ORGANIC/PHYSICAL),
  - M.Phil: CHEMISTRY (Allagappa University/Madurai Kamraj University)
  - Ph.D: Chemistry
4. **Interdisciplinary courses started and departments involved (specify the initiation year): Nil**
5. **Annual/ semester/choice based credit system:**
  - In academic years 2009-10 and 2010-11, annual pattern of examinations in which examinations are conducted term-wise. From academic year 2011-12, credit based semester and grading system of examinations.
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 Course/programmes discontinued (if any) with reasons: Nil**
9. **Teaching posts: sanctioned and filled (Professors/Associate Professors/Asst. Professors)**

Post	Sanctioned					Filled				
	2009-10	2010-11	2011-12	2012-13	2013-14	2009-10	2010-11	2011-12	2012-13	2013-14
Asso. Prof.	08	8	8	8	8	08	8	8	8	8
Assist. Prof.	05	5	5	5	5	05	5	5	5	5

**10. Faculty profile with name, qualification, designation, specialisation (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided in the last 4 years
Dr. D.V. Dagli	M.Sc., Ph.D	Asso. Prof.	Inorganic Chemistry	37	Nil
Dr. V.G. Bhawe	M.Sc., Ph.D	Asso. Prof.	Organic Chemistry	37	4
Dr. A. Venkatachalam	M.Sc., Ph.D	Asso. Prof.	Inorganic Chemistry	34	Nil
Dr. R.R. Sharma	M.Sc., Ph.D	Asso. Prof.	Organic Chemistry	28	Nil
Dr. R.D. Pandit	M.Sc., Ph.D	Asso. Prof.	Organic Chemistry	27	Nil
Dr. A.D. Patil	M.Sc., Ph.D	Asso. Prof.	Organic Chemistry	24	Nil
Prof. R. Mishra	M.Sc.	Asso. Prof.	Organic Chemistry	24	Nil
Dr.(Mrs.) M. Trivedi	M.Sc., Ph.D	Asso. Prof.	Organic Chemistry	23	Nil
Dr. U.M. Yadav	M.Sc., Ph.D	Asst. Prof.	Organic Chemistry	21	Nil
Prof. S. Tajane	M.Sc.	Asst. Prof.	Inorganic Chemistry	20	Nil
Dr. P.U. Singare	M.Sc., Ph.D	Asst. Prof.	Inorganic Chemistry	10	03
Prof. A.N. Patange	M.Sc., SET	Asst. Prof.	Organic Chemistry	10	Nil
Dr.(Mrs) A. Kochrekar	M.Sc., Ph.D	Asst. Prof.	Inorganic Chemistry	07	Nil
Prof. Deepali .K.	M.Sc.	Contract Appointment	Analytical	01	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:**

**B.Sc.:** 76:1    **M.Sc.:** 6:1

**14. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

- Laboratory Assistant:03(Sanctioned: 05)
- Laboratory Attendant: 13 (Sanctioned: 18)
- Peons:NA

15. **Qualifications of teaching faculty with D.Sc./D.Litt./ Ph.D. /M.Phil./PG, etc.: Refer Q. No. 10**
16. **Number of faculty with ongoing projects from a) National b) International funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise NIL**
17. **Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received: NIL**
18. **Research facility / centre: Nil**
19. **Publications:**  
**Number of papers published in peer reviewed journals (National / International):**

Name of Professor	No. Of Papers	National	International
Dr.D.V.Dagli	3	3	Nil
Dr.V.G.Bhawe	3	3	Nil
Dr.A.Venkatachalam	5	5	Nil
Prof.R.M.Mishra	9	9	Nil
Dr.M.P.Trivedi	9	9	Nil
Prof.S.T.Tajane	2	2	Nil
Dr.P.U.Singare	71	71	Nil
Dr.U.M.Yadav	4	4	Nil
Prof.A.N.Patange	4	4	Nil

**Number of posters presented in conferences (National / International):**

Name of Professor	No. Of Papers	National	International
Dr.D.V.Dagli	3	2	1
Dr.V.G.Bhawe	3	1	2
Prof.R.M.Mishra	1	1	Nil
Dr.M.P.Trivedi	1	Nil	1
Dr.P.U.Singare	29	15	14
Dr.U.M.Yadav	4	4	Nil
Prof.A.N.Patange	4	3	1

**Monographs:**

**Books written with ISBN numbers with details of publishers:**

**Chapter(s) in Books:** P.U. Singare, M.P. Trivedi, R.M. Mishra, *Preview on water pollution along some rivers and creeks of India*, in Kaleidoscopic Perspectives of Research in the Globalized Era, H.S. Cheema, K. Jadhav (Editors), Himalaya Publishing House, First Edition, pp. 467- 478, (2011). ISBN: 978-93-5024-918-5



**Number listed in International Database by each staff** with respect to

Name of staff	Year	Citation Index – range / average:	SNIP :	SJR:	Impact factor – range / average	h-index
Dr.Pravin U. Singare	2014	1256 (Overall) 1127 (from 2009)	NA	NA	NA	19 (Overall) 18 (from 2009)
Prof. R.M.Mishra	2014	40	NA	NA	NA	03
Dr. (Mrs.) M.P. Trivedi	2014	49	NA	NA	NA	04

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**

- 100% of students participate in assignments on the subjects in the form of projects submitted towards internal assessment as a part of their course work at all levels at the U.G. Program in the course.

**Percentage of students doing projects in collaboration with industries / institutes**

**Dr.Pravin U. Singare**

- **Project Title** “*Chemical structure and performance relation of chemical additives in Lubricants*”  
**Project Supervisor:** Dr. Pravin U. Singare,  
**Project Scholar:** Mr. K.T. Sutar,  
**Name of the Industry:** Bharat Petroleum R&D Centre, Shiwdi, Mumbai  
**Status:** Ongoing
- **Project Title** “*Environmental Conscious Analytical Method Development and Validation of Ranitidine HCl from Pharmaceutical Products - A DMAIC Approach*”  
**Project Supervisor:**Dr. Pravin U. Singare,  
**Project Scholar:**Mr. N.D. Belamkar,  
**Name of the Industry:**M/s. Deccan Neutraceutical, Alandi, Pune  
**Status:** Ongoing
- **Project Title** “*Development Of Microbicides For Sexually Transmitted Diseases*”  
**Project Supervisor:** Dr. Pravin U. Singare,  
**Project Scholar:** Mrs. Jyoti D. Mhatre

**Name of the Industry:** V V Pharma Industries, Thane, Mumbai

**Duration:** October, 2010 to October, 2013

**Status:** Completed.

**23. Awards / recognitions received at the National and International level by**

**Faculty:**

**Dr.Pravin U. Singare**

- Biography covered in Marquis Who's Who in the World, 26th Edition, 2009.
- Awarded with the title IBC Top 100 Scientist 2009, by The International Biographical Centre, St Thomas' Place, ELY, Cambridgeshire, CB7 4GG, GREAT BRITAIN
- Research work on studies related to toxic heavy metals was appreciated by The American Association for Advancement of Science (AAAS) Science, and the article on the published research work was press released on 08th August, 2011 in EurekAlert! a Global News Service operated by AAAS..

**24. List of eminent academicians and scientist/visitors/alumni to the department:**

List the distinguished alumni of the department:

- Mr. Subodh Menon (Dorf Ketal, US based Company)
- Dr. Atul Desai (Dye Mech Pharma, Vapi)

**25. Seminars/ Conferences/Workshops organized and the source of funding (National / International) with details of outstanding participants, if any:**

Nil

**26. Student profile course-wise:**

Name of the Course (refer question no. 2)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
PG M.Sc.(By Research)	07	05	02	60%	
M.Sc. (By Papers)	40	40		90%	
M.Phil.	15	15	Female	80%	
Ph.D.	08	08		63%	

**27. Diversity of students**

Name of the Course (refer question no. 2)	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
UG : BSc.	50%	95%	5%	NIL
P.G : M.Sc.	50%	95%	5%	NIL

**28. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations? : Nil**

**29. Student progression:**

Student progression	Percentage against enrolled
UG- PG	60%
Employed	80%
Campus Selection	Nil
Other than Campus Recruitment	80%
Entrepreneur	Nil

**30. Details about department infrastructural facilities.**

- Library: Library facility is made available for PG students
- Internet facilities for staff and students: YES
- Class rooms with ICT facility: Nil
- Students' laboratories: 07
- Research laboratories: 03

**31. Number of students of the department receiving financial assistance from College:**

Financial assistance is provided to reserved category students at the College level and about 50% students avail of the benefit. On an average, Rs.22 lac is disbursed per annum.

**32. Details on student enrichment programmes (special lectures / workshops/ seminar) with external experts.**

Academic Year	Topic	Resource Person
2013-14	Scope of research in Chemistry overseas.	Dr. Kushal Bhate (Post Doctoral Resaarch Fellow- King Abdulla University, UAE)
	Application of Dyes on textile fibre.	Mr. Mahendra Patil Bombay Rayon
2012-13	How to write research proposal?	Dr. P. Singare
	Importance of patents in chemical industries.	Mr. Rahul Vartak
2011-12	Scope for Organic Chemists in Oil Industries.	Mr. Jaydeep Sarnaik
	Preparation for JAM.	Mrs. Riddhi Golwankar-ICT, Mumbai
	Preparation for NET and SET Examinations.	Prof. A. Patange
2010-11	Entrepreneur opportunities for Chemistry graduates.	Mr. Mikel Edenburg
	Polymers in paint industries.	
	Scope for chemistry graduates in paint industries.	Mr. Girish Pradhan-Asian Paints
2009-10	Importance of Green Chemistry.	Dr. Kishor Niwelkar
	Safety in Chemical Laboratories.	Dr. Vijay Gangan

**33. Teaching methods adopted by the faculty for different programmes**

- Computer and LCD (as and when available) for power point presentation
- OHP
- Charts and Diagrams
- Home assignments
- Role play
- Case studies
- Group discussion in the class rooms
- Paper presentation in the class room
- Personal interaction with students
- Question & Answer sessions
- Guest lectures (inviting professional and subject experts from other institution to share their experiences)
- Internet access for the students
- Teachers adopt different methods like power point presentation/model making/OHP/ and showing diagrammatic schemes to make the topic very simple and easy to understand.

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

Faculty

**Dr.Pravin U. Singare**

- Appointed as a Judge at the H-WARD science Exhibition on 02nd December, 2010.
- Appointed as a Judge at the H-WARD science Exhibition on 02nd December, 2011.
- Appointed as an Interviewer for Action Research for Dr.Homi Bhabha Bal Vaidnyanik competition on 10th February, 2013.

**Prof. Ashok N. Patange**

- Appointed as a Judge at the H-WARD science Exhibition on 02<sup>nd</sup> December, 2011.

**35. SWOC analysis of the department and future plans:**

**Strengths:**

- Large number of Ph.D. qualified teaching staff
- Large department of the College
- Majority of staff teachers are involved in various College committees
- Teaching staff approved by University of Mumbai and other Universities to Guide
- for M.Sc., M.Phil and Ph. D.
- Maximum Research publications in various referred National and International research Journals having impact factor up to 1.6
- Maximum participation in various State Level/ National/ International Conferences, seminars and workshops

- Maximum number of students awarded Ph.D. degree
- Staff members are working as a members of social organizations other than College

**Weakness:**

- Limited of adequate research facilities
- Inadequate number of non-teaching staff
- Requirement to subscribe Scientific research Journals, e- Journals

**Opportunities:**

- Department can utilise the expertise of departmental teachers in development of value added courses.
- Department can encourage the teachers in carrying out Interdisciplinary research work.
- Analysis of Industrial samples can be carried out so as to raise the departmental funds

**Challenges:**

- To prevent the dropouts at the initial stages
- To minimise the percentage of failures at final year graduation and post graduation level
- To conduct the research work within the available resources in the College
- To accommodate the large number of students with limited infrastructures
- To attract the students towards basic science and research
- To keep check on the pollution resulting due to the discharge of effluents released from departmental laboratories.
- Safety measures in chemical laboratories

**Future plans of the department**

- Development of value added courses.
- Encouraging teachers to carry Interdisciplinary research work.
- Keeping check on the dropouts at the initial stages and percentage of failures at final year graduation and post graduation level
- To raise the funds of the department

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1. **Name of the Department: DEPARTMENT OF MATHEMATICS**
2. **Year of establishment: 1946**
3. **Names of Programmes / Courses offered: UG: B.Sc-in Mathematics**
4. **Interdisciplinary courses started and departments involved:**  
 B.Com Program has one course in Mathematical and Statistical Techniques at the First year.
5. **Annual/ semester/choice based credit system:**  
 In academic years 2009-10 and 2010-11, annual pattern of examinations in which examinations are conducted term-wise. From academic year 2011-12, credit based semester and grading system of examinations.
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 Course/programmes discontinued (if any) with reasons: Nil**
9. **Number of teaching posts:**

Post	Sanctioned					Filled				
	2009-10	2010-11	2011-12	2012-13	2013-14	2009-10	2010-11	2011-12	2012-13	2013-14
Asso. Prof.	1	1	1	1	1	1	1	1	1	1
Assist Prof.	2	2	2	2	2	2	2	2	2	2

10. **Faculty profile with Name, Qualification, Designation, Specialisation (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. Of Years of Experience	No. Of Ph.D. Students guided in the last 4 years
Shri.S.S.Chokhani	M.Sc., M.Phil.	Associate Professor	Pure Mathematics	30	-
Smt.D.R.Rao	M.Sc.	Asst.Profess or	Pure Mathematics	23	-
Shri.R. Y.Chavan	M.Sc., B.Ed.	Asst.Profess or	Pure Mathematics	18	-

11. **List of senior visiting faculty: Nil**

12. **Percentage of lectures delivered and practical classes handled (programme-wise) by Temporary faculty:** 10.24%

13. **Student Teacher Ratio:**

Course	B.Sc.	B.Com
Ratio	112:1	120:1

14. **Number of academic support staff (technical) and administrative staff: sanctioned and filled:**

- Laboratory Attendant: 01 (Sanctioned: 01)
- Peons: One common peon for the floor

15. **Qualifications of teaching faculty with D.Sc./D.Litt./ Ph.D. /M.Phil./PG, etc.: Refer Q. No. 10**

16. **Number of faculty with ongoing projects from a) National b) International funding agencies and c) Total Grants received. Mention names of funding agencies and grants received project-wise:** NIL

17. **Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; Total Grants received:** NIL

18. **Research facility / centre:** NIL

19. **Publications:** Smt. D.R.Rao has one Publication in Peer Reviewed at National Level

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:**

100% of students participate in assignments on the subjects in the form of projects submitted towards internal assessment as a part of their course work at all levels at the U.G. Program in the course.

23. **Awards / recognitions received at the National and International level:** NIL

**24. List of eminent academicians and scientist/visitors/alumni to the department:**

List of Eminent Alumni of the Department:

- Ms.Khinal Parmar: Asst. Lecturer, Atharv College of Engineering, Malad (W).
- Mr.Sagar Rawool : Lecturer, Kirti College
- Mr.Rajeev Jha : Sales Manager, Unilever Gujrath
- Mr.Sanjeet Gupta : Teacher, Bhavan's Junior College
- Ms.Silvi Corea : Lecturer, Vidyavardhini Engineering College, Vasai
- Mr.Avinash Shringarpure : Self-employed

**25. Seminars/ Conferences/Workshops organized and the source of funding (National / International) with details of outstanding participants, if any:**  
NIL

**26. Student profile course-wise:**

Name of the Course (refer question no. 2)	Academic Year	Applications received	Selected Male	Selected Female	Pass percentage
UG : T.Y.B.Sc.	2009-10	25	23	2	36%
	2010-11	8	6	2	50%
	2011-12	--	--	--	--
	2012-13	9	6	3	33.33%
	2013-14	22	11	11	36%

**27. Diversity of students**

Name of the Course (refer question no. 2)	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
UG :BSc.	50%	95%	5%	NIL
UG : B.Com	50%	95%	5%	NIL

**28. How many students have cleared Civil Services, Defence Services, NET, SLET, GATE and any other competitive examinations? : NIL**

**29. Student progression**

Student progression	Percentage against enrolled
UG- PG	10%
Employed	100%
Campus Selection	5%
Other than Campus Recruitment	95%

**30. Details about department infrastructural facilities:**



Library	Internet facilities for staff and students	Total number of class rooms	Class rooms with ICT facility	Students' laboratories	Research laboratories
Common Library is used by the students	Available	08	NIL	01	NIL

**31. Number of Students of the Department getting financial assistance from College:**

Financial assistance is provided to reserved category students at the College level and about 50% students avail of the benefit. On an average, Rs.22 lacs is disbursed per annum.

**32. Details of student enrichment programmes (special lectures / workshops/ seminar) with external experts. NIL**

**33. Teaching methods adopted by the faculty to improve student learning:**

The chalk and Talk method in which class room interaction is given lot of importance.

**34. Participation of students and faculty in extension activities**

Students participate in National level competitions like Madhava competition, Mini MTTTS program, Inter College Quiz like Numero Uno, Staff attends and organises workshops based on syllabi and beyond syllabi

**35. SWOC analysis of the department and future plans:**

**Strengths:**

Sincerity and commitment, punctuality, hard work, Scholarliness

**Weakness: Nil**

**Opportunities:**

The department is looking at the opportunity of doing more research

**Challenges:**

Teaching abstract subject like Mathematics and motivating the students.

**Future plans of the department:**

Establishing a well equipped Laboratory with Computer facilities and trained staff to teach applied subjects with usefulness in industries.

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1. **Name of the Department:** DEPARTMENT OF MICROBIOLOGY
2. **Year of establishment:** 1956
3. **Names of Programmes / Courses offered:**
  - UG: BSc-in Microbiology[6units]
  - PG: MSc(BY Papers) - in Microbiology (specialization-Papers & Project Work as per University CBGS Curriculum)
  - PG: MSc(BY Research - in Microbiology(specialization based on student choice &approved by Research Guide)
  - M.Phil: in Environmental Science(YCMOU recognised research guides)
  - Ph.D: in Microbiology(specialization based on student choice &approved by Research Guide)
4. **Interdisciplinary courses started and departments involved:**
  - **Molecular Microbiology** since 2001  
Besides, need based sharing of faculty expertise with respect to knowledge and skills for research projects (academic and funded) particularly at Post graduate level and student progress for motivating Research culture at undergraduate level through participation at research competitions/presentations, is encouraged and nurtured .
5. **Annual/ semester/choice based credit system:**
  - In academic years 2009-10 and 2010-11, annual pattern of examinations in which examinations are conducted term-wise. From academic year 2011-12, credit based semester and grading system of examinations.
6. **Participation of the department in the courses offered by other departments.**

**Dr Z. Bhatena**

  - delivered a lecture in DBT sponsored training course titled Techniques in Molecular Biology held on 21st Feb 2011 - 5th March 2011

**Dr S.Shrivastava**

  - Water Quality Association (WQA), 9th India Task Force Meeting, Chennai. On the Topic “Academia-Industry-Why the Disconnect” on 8th August 2012
  - Workshop on Microbial Safety in Food Industry, Mumbai “Assuring Food Safety through Microbiological Analysis: Rapid or Conventional Methods” on 15th Feb 2013
  - Foundation for Medical Research, Mumbai on “Emerging trends in water-borne pathogens & assessing water quality” on 12th Aug 2013

**Dr. S.L.Samant**

- Invited to Shri Kelavani Mandal's Mithibai College of Arts, Sc & comm., on 10th Jan 2011 to interact with students of T.Y.B.Sc Microbiology and guided them on writing skills, question selection and time management in the University examinations.

**Dr P.D. Anthappan**

- Invited to conduct lectures on Microbiology for ME Students at S.P. College of Engineering

7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil

8. **Details of Course/programmes discontinued (if any) with reasons:** Nil

9. **Number of teaching posts**

Post	Sanctioned					Filled				
	2009 -10	2010 -11	2011 -12	2012 -13	2013 -14	2009 -10	2010 -11	2011 -12	2012 -13	2013 -14
Professor										
Associate prof	05	05	05	05	05	05	05	05	05	05
Assist prof	02	02	02	02	02	01	01	02	01	01

10. **Faculty profile with name, qualification, designation, specialisation (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided in the last 4 years
Dr P. D. Anthappan	PhD in Microbiology	Head & Associate Prof	Microbiology	34 Years	05
Dr S. Shrivastava	PhD in Microbiology	Associate Prof	Microbiology	29 Years	Nil
Dr S. L. Samant	PhD in Microbiology	Associate Prof	Microbiology	28 Years	NA
Dr Z. P. Bhathena	PhD in Microbiology	Associate Prof	Microbiology	27 Years	01
Dr R.C.Patil	PhD in Life Science	Assistant Prof	Microbiology	22 Years	nil
Prof S. V. Raut	M.Sc. in Microbiology	Associate Prof	Microbiology	20 Years	NA

11. **List of senior visiting faculty:** Nil
12. **Percentage of classes taken by temporary faculty – programme-wise information:** 16%
13. **Student Teacher Ratio**  
 B.Sc.: 20:1      M.Sc.: 10:3      Research: 5:2
14. **Number of academic support staff (technical) and administrative staff: sanctioned and filled:**
- Laboratory Assistant: Temporary (Sanctioned:\_01)
  - Laboratory Attendant:03 (Sanctioned: 03)
  - Peons : 01
15. **Qualifications of teaching faculty with D.Sc./D.Litt./ Ph.D. /M.Phil./PG, etc.:** Refer Q. No. 10
16. **Number of faculty with ongoing projects from a) National b) International funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise**
- Ongoing Projects**

Sr. No	Title	Agency	Period	Grant/Amount Mobilized (Rs. Lakhs)
	<b>Dr Z.P.Bhathena</b>			
1	Development of Platform Technology for Bio-oil Production Using Heterotrophic Microalgae	Dept of Science and Technology, Govt of India ,Indo Korean collaboration joint programme of cooperation in science and technology	2011-2014	Rs 19.5 lakhs
2	Sporocidal applications of biopolymers / biosurfactants from marine environments off the coast of Mumbai	UGC Major research project	2011-14	Rs 19,54,300
3	Microbial production of menthol for enantioselectivity towards l-menthol	University Minor research project	2013-14	Rs 25,000
4	Detection and Control of Blown Pack Spoilage (BPS) in Poultry Meat	Mumbai University teacher fellowship	2013-14	Rs 25,000/-
5	APD/237/ of 2013 dated November 2013 <b>S.V.Raut</b>	Mumbai University teacher fellowship	2013-14	Rs 25,000/-

### Completed Projects

Sr. No	Title	Agency	Period	Grant/Amount Mobilized (Rs. Lakhs)
1	Production of Microbial colorants and its application on silk and related textiles”No BT/PR10426/PBD/19/184/2008	DBT Govt Of India	2008-11	Rs 30 lakhs
2	Evaluation of microbial consortium to decrease toxicity of diclofenac”	Mumbai University teacher fellowship	2010-11	Rs 30,000
3	Diclofenac degradation studies using microbial consortia”	Parsi Panchayat WZO HongKong Grant	2010-11	Rs 50,000/-
4	Isolation of Siderophore producing Pseudomonas and their identification by Siderotyping. <b>P.D.Anthappan</b>	UGC.WRO. Pune (10th Plan Period)	2008-2010	Rs 90,000/-
5	Bioconversion of plant fibers using microbial enzymatic extracts for application in textile/paper industry APD/237/232 of 2009; Dated 7th Feb 2009 (Res project No 51) <b>P.D.Anthappan</b>	Mumbai University teacher fellowship	2008-09	Rs 40,000/-
6	Biocontrol Potential of EM consortium Formulation (Res project No 94) <b>P.D.Anthappan</b>	Mumbai University teacher fellowship	2010-11	Rs 40,000/-
7	APD/237/66 of 2010 dated 13 <sup>th</sup> January 2010 <b>S.V.Raut</b>	Mumbai university	2010-11	Rs.26250/-
8	File No.47-1318/10(WRO) 20 <sup>th</sup> SEP.2010 <b>S.V.Raut</b>	UGC Minor Research Grant	2010-12	Rs. 1 lakhs

### Funded/Collaborative Research Projects ...Dr S. Shrivastava

- Production of Alkaline Protease and Study of its Potential Applications Sponsored by Mumbai University. Venue: Dept. of Microbiology, Bhavan's College, Andheri (w), Mumbai. Duration: January 2010 to March 2010. APD/237/68 of 2010-March 2010. Value 30,000
- Phenotypic and Molecular Characterization of Acinetbacter spp. from Clinical Isolates in Collaboration with Jaslok Hospital, Mumbai. July –December. 2010
- Assessment of Inanimate Objects as Reservoir of Nosocomial Bacteria and Efficacy of Common Disinfectants in their management, sponsored by UGC (Grant of Rs. 1.3L), October 2010 to March 2012

- “Hydrolysis of Cellulosic Biomass by Various methods to Obtain Fermentable Sugar/s for Biobutanol Production”, Sponsored by Mumbai University. Venue: Dept. of Microbiology, Bhavan’s College, Andheri (w), Mumbai. Duration: November 2011 to March 2013 (Ref No. APD/237/459 of 2012, dated 17th Nov 2012- Rs. 27, 400)
- Microbiological performance of novel household water treatment devices in India in collaboration with faculty of Infectious and Tropical Diseases, London School of Hygiene and Tropical Medicine (LSHTM). 2011-12
- Participated in Method Validation Program conducted by Water Quality Association (WQA) for assessment of Microbiological performance of water purifiers with exclusion, chemical (disinfection) and UV based technology. 2012-13

**Dr.S.L.Samant:**

Project No.63, Ref.No.APD/237/67 of 2010 dated 13<sup>th</sup> January 2010, sanctioned amount of Rs.30000/-.

**Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received:**

**As above**

**Research facility / centre with Recognition..**

- Bhavan’s Research Center (BRC), Extension, Department of Microbiology, Bhavan’s College, Andheri, Mumbai is a R&D laboratory, established by the Faculty, Department of Microbiology, Bhavan’s College in partnership with Center for Entrepreneurship, SP Jain Institute of Management and Research with the objective of bridging the Academia-Industry gap and serving the needs of the society by contributing scientific knowledge and addressing key issues in the areas of hygiene and health, food safety and environmental microbiology.

The laboratory, established in 2005 has dedicated and well equipped independent facility which is NABL accredited [ISO/IEC17025:2005] in areas of food, water & hygiene Microbiology.

It encourages students and budding entrepreneurs to undertake projects in areas related to microbiology and molecular biology & offers trainings in methodologies.

- R & D Focus of BRC includes Survey & risk assessment of bacterial and non-bacterial pathogens in food and water using classical microbiology, molecular biology and rapid methods, Evaluating and designing methods involving microbial testing of home and personal care (cosmetic) products, Evaluating and designing methods for

assessment of water purifiers. Biofilm formation and biofouling in water purification system

### **Significant Associations**

- Institutions-Quality Council of India, PFNDAI, London School of Hygiene, UICT, CIFE, BIS, WQA; & Industries- Unilever, Reckitt Benkiser, Jyothi Labs, Excel Inds, Godrej-agrovvet, Grasim, Jubilant Life Science, TCS

The lab is financially self sufficient for last 5 years and is in the process of expansion to enhance its microbiological capabilities further.

**Thus during the assessment period, BRC has impacted *State, National, International and Industry* recognitions**

### **19. Publications:**

**Number of papers published in peer reviewed journals (National / International):**

- Dr.Zarine Bhathena published 6 papers in National and International Journals.
- Prof.S.V.Raut published 7 papers in National and International Journals.
- Dr.R.C.Patil published 5 papers in National and International Journals.
- Dr.S.L.Samant published 1 paper in National Journal.

**Number of posters presented in conferences (National / International):**

- Dr.Zarine Bhathena presented 2 papers in National/International conference.

**Books written with ISBN numbers with details of publishers**

S.V.Raut...Book published on "Pesticide Resistant Microorganisms and Their Use as Biofertilizers"

- Book Description- Publication Date: 27 May 2012 : ISBN-10: 3659127353

ISBN-13: 978-3659127359

**Details of patents and income generated:**

**Patent:**

Microbial Biosurfactants as agents for controlling Aspergillus infection in groundnut

Patent filed as 1264/MUM/2010 ...Dr Z.P.Bhathena Income nil

### **20. Areas of consultancy and income generated**

Sr. No	Title	Agency	Period	Grant/ Amount Mobilized
1	BIS Test evaluation	HUL	2008-09	33,146
2	Enzyme R&D wrt to use of Konelab	HUL	2009-10	3,11,046
3	Analysis of soap bars for presence of Nesternkonkia spp	HURC	2009-10	71,252
4	enzyme analysis	HUL	2010-11	7,28,655
5	R&D wrt to Care enzyme analysis	HUL	2011-12	7,79,997
6	analysis of POU water treatment devices	HUL	2011-12	5,81,550
7	enzyme inhibition efficacy assays	HUL	2012-13	57,725
8	Enzyme analysis wrt Xpect	HUL	2012-13	1,98,281
9	Simplification of methods for protease analysis	HUL	2012-13	2,35,000
10	UK-UL water devices study	HUL	2012-13	5,81,550
11	Life time study for competitor water purification devices - Bacterial & Virus Reduction Study	HUL	2012-13	8,55,519
12	European Suspension Test to assess the bactericidal activity of Harpic samples, 4% soap sample, 1% SLS	HUL	2007	50,000
13	Microbiological Analysis of cat litter	Ashapura Minechem	2005	Rs 50,000
14	Life time study for competitor water purification devices - Bacterial & Virus Reduction Study	WQA	2012	
<b>TOTAL</b>				<b>45,33,721</b>

**21. Faculty as members in (a) National Committees (b) International Committees (c) Editorial Boards...: Nil**

**22. Student projects**

- Percentage of students who have done in-house projects including inter-departmental:  
80-90%
- every year 10 MSc part II students have taken up research projects
- SYBSc student undertook an algal survey of the mangrove regions
- Preparation of models as teaching aids
- Percentage of students doing projects in collaboration with industries / institutes  
10-20%
- Aparna Pandey PhD student collaborating with UICT

**23. Awards / recognitions received at the National and International level by**



**Faculty:** **Dr.Zarine P.Bhathena** was awarded THE ZOSTA AWARD for excellence in teaching in October 2012

**Doctoral / post doctoral fellows:**

**Students:**

- Under her guidance Ms Namrata Gaekar participated in AVISHKAR 2012 where her poster titled “Biocement production by microbial calcite precipitation and its application was selected for final in the category of pure science

**24. List of eminent academicians and scientist / visitors / alumni to the department:**

**Academicians and Scientists**

Dr. Joe Brown – London School of Hygiene & Tropical Medicine  
Dr. Tom Clasen - London School of Hygiene & Tropical Medicine  
Dr. Abhay Chawdary- Director, Haffkin Institute  
Dr. Sushanta Mitra – University of Alberta, Canada  
Dr. Mahesh Zagade, FDA Commissioner  
Sr. Tom Palkan – Water Quality Assosiation, USA

**List of Alumni**

- Dr. Abhishek Mule (UICT)
- Dr. Eruch Gorwalla (International IB Prog Coordinator, Science)
- Dr. Shilpali Redkar (Asst prof , Sathaye College)
- Ms. Santhini Nair (Assoc Prof, VES)

**25. Seminars/ Conferences/Workshops organized and the source of funding (National / International) with details of outstanding participants, if any:**

- National Seminar on “Safe drinking water --- a privilege in the 21st. Century!!” on 29th& 30th Jan 2010. Organized by Bhavan’s Research Center, Bhavan’s College. Dr S. Shrivastava Participated asCo-Convener
- Part of organizing Committee of 17th DFF-Research Paper Presentation held in Bhavan’s College Mumbai on 8th Jan 2011...all faculty
- Facilitated application & organization of workshop on Molecular Biology funded by DBT, organized by Bhavan’s Research Center. Also participated as faculty. 21st Feb -5th March 2011Organized Sandwich Course in Food Safety for Students in collaboration with Quality Council of India-26th Dec 2009 to 7th Feb 2010, 17th July 2010 to 5th September 2010 &May 21st to 26th June, 2011 at Bhavan’s Research Centre, Bhavan’s College. Dr S. Shrivastava Participated as Convener.
- Workshop on Credit-based Semester and Grading System of F.Y.B.Sc Microbiology syllabi at Bhavan’sCollege 24th June 2011...ALL FACULTY

- Dr S. Shrivastava Convened and conducted Training program on “Application of Quality Management systems in Microbiological Practices”(Designed for Post graduates seeking Career in Quality Management Systems) at Bhavan’s Research Center 14th to 15th November 2011
- Organized Workshop on “Experimental Design & application of Statistical Analysis to research Projects in Microbiology” for faculty and PG students at Bhavan’s Research Center on 20th& 21st December 2011....Dr Shrivastava, Dr Bhathena , Dr Samant
- Organizing Committee of “Workshop on Microbial Safety in Food Industry using Rapid Methods” in jointly organized by Bhavan’s Research Center and PFNDAI. 15th Feb 201 Dr Shrivastava, Dr Bhathena , Dr Saman
- Dr Shrivastava, Dr Bhathena Assisted in organization and participated in 12th WQA India Task Force meeting at Hotel Mirage, Mumbai on 31st Jan 2014
- Part of organizing Committee of 18th DFF-Research Paper Presentation held in Bhavan’s College Mumbai on 1st Feb 2014...all faculty

**26. Student profile course-wise:**

Name of the Course (refer question no. 2)	Academic Year	Applications received	Selected Male	Selected Female	Pass percentage
UG : T.Y.B.Sc.	2009-10	26	6	20	86%
	2010-11	26	7	19	69%
	2011-12	38	9	29	73%
	2012-13	43	9	34	48%
	2013-14	33	9	24	59%
PG: M.Sc.	2009-10	10	--	10	100%
	2010-11	9	2	7	100%
	2011-12	11	3	8	88%
	2012-13	9	2	7	90%
	2013-14	8	1	7	88%

**27. Diversity of students**

Name of the Course (refer question no. 2)	% of students from the College	% of students from the State	% of students from other States	% of students from other countries

Undergraduate F.Y.-T.Y.B.Sc	40-50%	90-98%	2-5%	1%
Post graduate M.Sc Papers	30-50%	90-98%	2-5%	nil
Research M.Sc /PhD	30-40%	80-95%	2-5%	nil

28. **How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations? : Nil**

29. **Student progression**

Student progression	Percentage against enrolled
UG- PG	30-40%
PG-M.Phil	nil
PG to PhD	15-20%
Ph.D to Post Doctoral	nil
Employed	75-80%
Campus Selection	Nil
Other than Campus Recruitment	75-80%
Entrepreneur	5-10%

30. **Details about department infrastructural facilities:**

Library: - **Departmental Library:-**

- No. of Books :- 165 [ from College library & donated books from Staff & Alumini]
- Issue register: - maintained in department.
- Schedule of issue: - Books are issued every working days in between 10 am. To 3.30pm. By each staff.
- Books are allowed to be referred in department & not allowed for home issue & Xeroxing.
  - Internet facilities for staff and students
  - 100% availability for staff and partially for research students.
  - Total number of class rooms: 01 in department and a seminar room at BRC
  - Class rooms with ICT facility: Available in lecture room as well as in Undergraduate lab.
  - Students' laboratories: 02 [for B.Sc. and M.Sc.students (Papers) respectively]
  - Research laboratories: 02 [in Microbiology department and BRC partially]

**31. Number of students of the department receiving financial assistance from College: 40-50%**

Per class ie at F.Y.B.Sc; S.Y.B.Sc; T.Y.B.Sc & P.G. classes/Research students .The sources of financial assistance include government funding for economically backwardstudents, scholarship awards to meritorious students, research student fellowships and occasionally through donations received from community trusts.

**32. Details of student enrichment programmes (special lectures / workshops/ seminar) with external experts.**

S.No.	DATE	NAME OF GUEST	TOPIC
1	23/12/2009	Dr.S.Kundu. GM., Excel crop care,	Role of microbes in crop care
2	15/01/ 2011	Dr,Kartikey Shah GM, Lumis Biotech Pvt. Ltd.	Microbial Enzymes
3	2012	Dr. D.V.Parasnis Director, Operations, rozen Foods	Role of Microbiologist in Industry
4	23/12/2013	Mr. Mahesh Zagade, FDA Commissioner Maharashtra	Role of Microbiology Students in Implementation of Food Safety Act
5	23/12/2013	Prof. Parimal Merchant Director ,Center for Family Managed Business, SPJIMR	Understanding Money

**33. Teaching methods adopted by the faculty for different programmes**

- Chalk and Board.
- Power Point Presentation
- OHP Presentation
- Audio-Visual aids (films and videos on subject related topics)
- Case Study Method
- Group Discussion Method
- Co-operative Learning
- Preparation of Question banks
- Encouragement of sharing external learning resources

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

The department runs co-curricular association – Bhavan's Association of Microbiologists (BAM). The activities include: Bulletin, Career Counselling, Contest and Competition, Exhibition, Guest Lectures, Wall Papers etc.

**Dr S. L. Samant**

- Evaluator of KP/East wards Science exhibition held on 26th November 2009.
- Participated & organized National Seminar on “Safe Drinking Water- A Privilege in 21st century!!!”, organized by BRC(Microbiology) on 29th& 30th Jan 2010.
- Adjudged the intracollegiate Poster Presentation Competition arranged by Bhavan's Botanical Society & Department of Botany held on 17th Feb 2010

**Dr. Z. P.Bhathena**

- Made a representation on GOI- BIS sectional committee for formulation of std for point of use water purification systems organised by BIS.
- Was invited as an external expert for UGC project of Dr S Sharma of KC College titled Mol cloning of stress resistant gene of aloe vera for production of transgenic plant on 30th Aug 12.
- Was invited as a Guest speaker by Science club , CIFE to deliver guest lecture on commercially important molecules from microbes on 22 oct 2011
- Was invited as a Guest speaker for Mesco trust MES crescent high school on 31 march 13 on career in science

**Dr. S. Shrivastava**

- Risk Analysis for Processed Food Manufacture organized by PFNDAI, May 15th 2010 on “Innovative Ideas” organized by PFNDAI on 22.09.10
- Internal Auditors Training Program on Integrated Management System (ISO 9001:2008 and 22000:2005) organized by TUV India, 21st-22nd June 2010
- Training program on Laboratory Quality Management System & Internal Audit as per IS/ISO 17025 organized by National Institute of Training for Standardization (NITS), BIS, Feb 15th -18th 2011
- Understanding Mathematical Concepts in Biology, organized by Sophia College, Mumbai 17th Sept 2011
- 4-day Training Course on Quality System as per Requirements of ISO/IEC 17043 for Proficiency Testing Providers organized by NABL, New Delhi 5th -8th Sept 2011
- Seminar on Industry Academia Linkage organized by DST & FICCI, New Delhi, 2nd-3rd Nov 2011

- “Technical Workshop on Risk based Approaches for Food Safety Management” organized by ILSI-India on 26th -27th Sept 2012 at Indian National Science Academy, New Delhi
- Attended Picasa II on “Emerging Trends in Cosmetic Science” at KET’s V.G. Vaze College, Mumbai on 12th Jan 2013
- “Workshop on Drinking Water Treatment System Standards” on August 22, 2013, New Delhi. Organized by Water Quality Association (WQA)
- 11th WQA India Task Force meeting on August 23, 2013, New Delhi (India).
- 7th edition of FICCI FOODWORLD INDIA 2013 - A Global Convention for Food Business and Industry on September 23-24, 2013. Organized by FICCI, Mumbai
- Attended workshop on “National Mission for Clean Ganga” on 10th Feb 2014 at New Delhi. Organized by jointly by IC IMPACTS & Ministry for Environment and Forests

**Dr. P.D.Anthappan**

- S. S.Nair, H. Abbas and P.D. Anthappan. 2014. Assessment of the Environmental Impact of SNPs on Soil Bacteria in a Simulated Soil System at the International Conference on Environmental Conservation by Adopting New Technologies held on 28th& 29th Jan’14 at Modern College, Pune. Awarded third prize at the conference
- Nimkar J. and P. D. Anthappan. 2012. Effect of Xylanase treated cost effective feed on physicochemical parameters of fish Catla catla at the UGC Sponsored National Syposium on Emerging Trends In Life and Material Sciences: Mission Mankind held on 25th Jan, 2012 VG Vaze College, Mumbai.
- Gala G. and P. D. Anthappan. 2011. Biocontrol Potential Assessment of EM Consortium Formulation. Proceedings & Abstracts of XI All India Meeting of Women in Science; Science & Technology : Ethical Issues at Vashi, Navi Mumbai, Jan 28th -30th pp. 125.
- Nimkar J. and P. D. Anthappan. 2010. Bioprocessing of Banana (Musa acuminata) Fiber using Xylanase from a soil isolate. Proceedings & Abstracts of 51st AMI conference at Ranchi, Jharkhand, Dec 14th - 17th pp.231.
- Redkar S. and P. D. Anthappan. 2010. Siderophore production by Achromobacter xylosoxidans. Proceedings & Abstracts of 51st AMI conference at Ranchi, Jharkhand, Dec 14th - 17th pp.32.
- Gorwalla, E. P. and P. D. Anthappan. 2010. Assessment of Probiotic EM Bokashi Inoculant as an invigorate means for increasing soil sustainability. 110th General Meeting of the American Society for Microbiology at San Diego, California, USA during May 23-27, 2010.

- Gorwalla, E. P. and P. D. Anthappan. 2009. Production and Evaluation of Probiotic EM & Bokashi in soil regeneration. Proceedings & Abstracts of 50th AMI conference at NCL, Pune, Dec 15th-18th pp. 141. awarded the best research poster in Agricultural Microbiology at the conference
- S. S.Nair, H. and P.D. Anthappan. 2013.Potential threat of Swimming Pools in Mumbai and Navi Mumbai as an Emerging Reservoir of Infections..Presented at the UGC Sponsored National Conference onMicrobiology Horizons in Biomedical Sciences”held at KBP College, Vashi on 27th and 28th September 2013. Awarded third prize at the conference
- Saurabh Wargaonkar and P.D. Anthappan. 2012.Preparation and assessment of low fat symbiotic Mayonnaise oral Presentation at the UGC sponsored a National
- Conference on “Evolution of Research and Development in Biosciences” held on 5th and 6th January 2012, in the Department of Lifesciences, K.C.College. Awarded first prize at the conference

**Invited Lectures at National or International conference/seminar etc.**

Sr. No	Title of lecture/Academic session	Title of Conference/ Seminar	Date of the event	Organized by	Whether International/ National/state
1	Molecular Techniques for microbial identification and typing	workshop on molecular biology		DBT-BRC	National
2	Convenor for the workshop	“Safe drinking water – A privilege in the 21 <sup>st</sup> . century	29-30 <sup>th</sup> Jan 2010	BRC	State

**35. SWOC analysis of the department and future plans:**

**Strengths**

- Committed staff
- Loyalty towards institution
- Loyalty towards subject
- Strength of subject w.r.t.applications, job opportunities, diversity.
- Research aptitude
- Industry interactions
- Advance instrumentation
- Other external contacts
- Small class size of learners
- Consultancy
- Involvement in university committees

**Weakness:**

- Lack of cohesion/synchronisation
- Lack of planning for departmental activities and resource management
- Lack of monitoring on implementations
- Unavailability of all staff simultaneously due to differential priorities
- Infrequent meetings

**Opportunities**

- Subject importance and application
- BRC lab achievements
- DFF trust
- Alumni support

**Challenges**

- Synchronization of staff activities towards focused goal
- Time
- Infrastructure
- Marketing of dept/College activities, achievements
- Faculty shortage
- Non-technical staff

**Future plans of the department**

- Strengthen UG classes by engaging them more actively in co-curricular and extra-curricular activities- such as planning one intra-College program annually, small research projects
- Give higher responsibility to PG-one inter-College event- such as invited talks, organize industry meets/visit, competition, etc
- Research specialization areas- water, pathogen detection, bio-films
- Merge Dept & BRC infrastructure
- CCTV surveillance
- Online internal exam and e journal procurement for benefit of College staff
- Common instrument centre
- Strategies better academically excellent students

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1. **Name of the Department: DEPARTMENT OF PHYSICS**
2. **Year of establishment: 1946**
3. **Names of Programmes / Courses offered:**
  - UG: BSc-in Physics
  - PG: MSc by papers- in Physics, specialization- Electronics I, Msc by Research
4. **Interdisciplinary courses started and departments involved (specify the initiation year ) : Nil**
5. **Annual/ semester/choice based credit system:**
  - In academic years 2009-10 and 2010-11, annual pattern of examinations in which examinations are conducted term-wise. From academic year 2011-12, credit based semester and grading system of examinations.
6. **Participation of the department in the courses offered by other departments.**

**Staff:**

  - Mr. Sumedh S. Sawant (Department of Physics), was working as a resource person for experimental group of Physics Olympiad and as a resource person for Astronomy Olympiad from 2009 to 2012-13.
  - Prof. R.P.Mudaliyar was visiting faculty for M.Sc Physics course conducted by department of Physics in Institute of Science.
  - Prof. M.G.Bhatia was invited as a speaker at Thakur College on 9th March 2010.
  - Prof. R. P. Mudaliyar was visiting faculty for M.Sc Physics course conducted by department of Physics in Institute of Science.
  - Prof. R.P.Mudaliyar was a resource person for Physical Sciences for NET/SET workshop to be held on 2nd and 3rd December 2011, Institute of Science, Mumbai.
  - Prof. R.P. Mudaliyar Resource person for resource generation camp for junior science Olympiad, 8th Jan, 2012 at HBCSE, Mumbai.
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.: Nil**
8. **Details of Course/programmes discontinued (if any) with reasons: Nil**

**9. Number of teaching posts:**

Post	Sanctioned					Filled				
	2009 -10	2010 -11	2011 -12	2012 -13	2013 -14	2009 -10	2010 -11	2011 -12	2012 -13	2013 -14
Assp prof	7	6	6	5	4	7	6	6	5	4
Assist prof	3	4	4	4	4	3	4	4	4	4
C.H.B	4	4	4	5	4	4	4	4	5	4

**10. Faculty profile with name, qualification, designation, specialisation (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided in the last 4 years
Mrs. J.J. Gandhi	M.Sc, M.Phil	Associate Professor	Nuclear Physics	33(Retd. in Sept. 2012)	NIL
Mr. M.G. Bhatia	M.Sc,	Associate Professor	Electronics	36	NIL
Mrs. S. M. Bhatia	M.Sc, M.Phil	Associate Professor	Electronics	33(Retd. in April 2012)	NIL
Mr.T.S. Asthamoorthy	M.Sc, M.Phil	Associate Professor	Spectroscopy	33(Retd. in Sept .2012)	NIL
Mr..D.R.Kendre	M.Sc.,D.H.E., M. Phil	Associate Professor	Electronics	31	NIL
Mr. A.R.Pawar	M.Sc., M.Phil	Associate Professor	Electronics	23	NIL
Mrs. R.M. Desai	M.Sc, M.S, PhD	Associate Professor	Physics	21(Retd in March 2010)	NIL
Mr.S.G. Gaurkhede	M.Sc., Ph.D	Assistant Professor	Electronics	21	NIL
Mr. K. M. Mude	M.Sc., SET	Assistant Professor	Solid State Physics	10	NIL
Mr. R. P. Mudaliyar	M.Sc., NET,SET	Assistant Professor	Nuclear Physics	4	NIL
Mr.Sumedh. S. Sawant	M.Sc, NET	Assistant Professor	Quantum Field Theory	2	NIL
Mrs. V. P. Patil	M.Sc.	Associate Professor	Electronics	24	NIL
Mr. A. D.Koli	M.Sc	Associate Professor	Microprocess or	23	NIL
Mrs.J.S.Mayekar	M.Sc., SET	Assistant Professor	Solid State Physics	3	NIL

**11. List of senior visiting faculty: Nil**

**12. Percentage of classes taken by temporary faculty – programme-wise information.**

<b>Year</b>	2009-10	2010-11	2011-12	2012-13	2013-14
<b>Percentage</b>	30%	30%	32%	40%	40%

**13. Student Teacher Ratio (programme wise)**

<b>Class/year</b>	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>
<b>B.Sc</b>	27:1	29:1	31:1	30:1	42:1
<b>MSc</b>	4:1	4:1	4:1	4:1	4:1

**14. Number of academic support staff (technical) and administrative staff: sanctioned and filled**

- Laboratory Assistant: 4
- Laboratory Attendant:13
- Peons -03

**15. Qualifications of teaching faculty with D.Sc./D.Litt./ Ph.D. /M.Phil./PG, etc.: Refer Q. No. 10**

**16. Number of faculty with ongoing projects from a) National b) International funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise:**

Name of Staff	Funding agency	Year	Total grant	Title of project
Mr. D. R. Kendre	Mumbai University	2009-10	17000	Pb <sub>x</sub> Cd <sub>1-x</sub> Se Thin Films :Growth ,properties and applications
Mr. S. G. Gaurkhede	Mumbai University	2009-10	25000	Microwave assisted route for synthesis of water soluble LaF <sub>3</sub> :Ce <sup>3+</sup> , Pr <sup>3+</sup> Nanocrystals
Mr. A. R. Pawar	Mumbai University	2012-13	31400	Pseudo-Binary Hg <sub>x</sub> Zn <sub>1-x</sub> S thin films for photoelectrochemical conversion
Mr. S.G. Gaurkhede	Mumbai University	2013-14	25000	Microwave assisted synthesis of lanthanide based fluoride Nanocrystals
Mrs. J. S. Mayekar	Mumbai University	2013-14	30000	Study of antimicrobial property and mechanical strength of metal oxide nanoparticles embedded in bone cement

**17. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received: Nil**

**18. Research facility / centre with: Nil**

**19. Publications:**

Number of papers published in peer reviewed journals (National/International):

ISSN

Name Of Professor	No. Of Papers	National	International
Mr.D.R.Kendre Mr A.R. Pawar	9	5	4
Dr. S.G. Gaurkhede	7	5	2
Mrs. V.P. Patil	1	-	1
Mrs. J.S. Mayekar	3	1	2

**Monographs:**

Books written with ISBN numbers with details of publishers-

R.P. Mudaliyar	Nuclear level density in Hauser-Feshbach calculations for the p-process	19-21 Nov,2012	AIP Conference Proceedings, 1524,220(2013)	pISSN 0094-243x eISSN 1551-7616
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**Number of poster/Oral presentations presented in conferences (National / International):**

- The staff members of the Department presented posters and presentations at National and International level. 26 such posters/oral presentations are made.

**Details of patents and income generated:** Nil

20. **Areas of consultancy and income generated:** Nil

**Number listed in International Database by each staff with respect to:**

Name of staff	Year	Impact factor range / average
Mr. D.R.Kendre	2013-14	0.3018, 1.686, 2.379
Mr. A.R.Pawar	2013-14	0.3018, 1.686, 2.379
Dr. S.G.Gaurkhede	2013-14	1.665
Mrs. J.S.Mayekar	2013-14	0.69, 1.962

21. **Faculty as members in (a) National Committees (b) International Committees (c) Editorial Boards...:** Nil

22. **Student projects:**

- To control the stepper motor using PIC microcontroller
- Design a digital clock with functions like, Alarm, Stop Watch, date etc. Using microcontroller
- Using Temperature sensor LM35, sense temperature and convert it in 0C and 0K and display it on LCD display using PIC microcontroller
- Humidity Measurement using PIC microcontroller
- Pressure Measurement using PIC microcontroller
- Traffic Controller signals using microcontroller

**23. Awards / recognitions received at the National and International level by Staff:**

- **S. G. Gaurkhede**  
Best Oral Presentation Award at International Conference On Nanomaterials ICNM-2013, Chennai.
- **R.P.Mudaliyar**  
Best Poster presentation award at National conference, DAE-BRNS symposium on Atomic, Molecular and Optical Physics, IUAC, Delhi
- **J. S. Mayekar**  
Best Oral Presentation Award at International Conference On Nanomaterials ICNM-2013, Chennai.

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

- Subbu Kartikeyan : M.Tech.IIT Khargpur, Asst.Prof. in Mithibai College.
- Parag Mistry: Vice President, Bharat Traders, Mumbai.
- Kalpa Upadhyay: Asst.Teacher in Bhavan's Junior College
- Ashish Desai: Ph.D. from U.S., Asst.Prof.in Joglekar College, Goa.
- Niyanda Dave: Asst.Prof. in Viva College
- Dr.Yogesh Gulwadi: Assoc.Prof. in Sathaye College

**25. Seminars/ Conferences/Workshops organized and the source of funding (National / International) with details of outstanding participants, if any:  
NIL**

**26. Student profile course-wise:**

Name of the Course (refer question no. 2)	Academic Year	Applications received	Selected Male	Selected Female	Pass percentage
UG : T.Y.B.Sc.	2009-10	74	54	20	50%
	2010-11	37	24	13	84%
	2011-12	54	41	13	45%
	2012-13	45	35	10	30%
	2013-14	47	30	17	19%
P.G.:M.Sc.	2009-10	9	4	5	70%
	2010-11	7	3	4	100%
	2011-12	9	5	4	100%
	2012-13	7	1	6	62%
	2013-14	8	6	2	88%

**27. Diversity of students**

Name of the Course (refer question no. 2)	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
UG : BSc.	50%	95%	5%	NIL

**Number of faculty who are awarded Ph.D., D.Sc. and D.Litt. during the assessment period:**

Dr.S.G.Gaurkhede in 2013

**28. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations? :**

- Kuldeep Pandey NET cleared
- Subbu Kartikeyan NET, Gate cleared
- Ashvini Doiphode (JAM cleared) : Doing Integrated M.Sc, Ph.D on Energy Conservation at IIT, Mumbai.

**29. Student progression**

Student progression	Percentage against enrolled
UG- PG	25%
Employed	90%
Campus Selection	Nil
Other than Campus Recruitment	90%

**30. Details about department infrastructural facilities available**

- Library - College common library is used by students
- Internet facilities for staff and students---Yes
- Class rooms with ICT facility: 1
- Students' laboratories: 3
- Research laboratories: 1

**31. Number of students of the department getting financial assistance from College:**

Financial assistance is provided to reserved category students at the College level and about 50% students avail of the benefit. On an average, Rs.22 lacs is disbursed per annum.

**32. Give details of student enrichment programmes (special lectures / workshops/ seminar) with external experts:**

- Poster presentation for F.Y.B.Sc and S.Y.B.Sc students(2013-14)
- **Let's Share:** It is an endeavour where the students talk about the latest development in Research and Technology in regular lectures for five minutes.

**33. Teaching methods adopted by the faculty for different programmes.**

- Use of audio visual aids
- Prior Notes given by some faculty members.
- Interactive teaching methods are adopted to make the students alert in the class.
- Students are encouraged to ask any relevant questions to the topic.

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

- Students are encouraged to participate in College and University extension activities through participation in NSS, NCC, Cultural Festivals, and Association activities within the College as also in other Colleges. The teachers of the department give them concessions in attendance of lectures/ tutorials and ensure that they are given notes and coached personally after class hours whenever required.

**35. SWOC analysis of the department and future plans:  
Detail any five Strengths, Weaknesses, Opportunities and Challenges  
(SWOC) of the department**

**Strengths:**

- Experienced and Dynamic Staff
- Well equipped Laboratories
- Minor Research project Undertaken
- Started M.Sc. P.G. centre accommodating students from other three Colleges
- Cooperative Non-teaching Staff

**Weakness:**

- The budget allotment should be more to purchase the equipments in UG and PG level so that the 1:1 ratio between students and equipments can be achieved.

For example in F.Y.B.Sc on one expt 3-4 students work at a time.

**Opportunities**

- Research Oriented Education
- Informal Remedial teaching
- Making Reference books available from Departmental library.

**Challenges**

- Students coming from vernacular medium
- Entry level percentage is low
- Communication skills of students to be improved
- Competition from Job Oriented Courses.

**Future plans of the department:**

- Industrial visit for students
- Study tour
- Counselling for career guidance
- Establishment of Amateur Astronomer's Society
- Intercollegiate Science Exhibition
- Poster making, poster presentation and quiz competition
- Organising State/National level conference/seminar
- Establishment of Physics Society

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1. **Name of the Department:** DEPARTMENT OF STATISTICS
2. **Year of Establishment:** 1984
3. **Names of Programmes / Courses Offered:** UG B.Sc.-in STATISTICS
4. **Interdisciplinary courses started and departments involved (specify the initiation year):**
  - Biostatistics & Operations Research are Interdisciplinary courses at B.Sc. Statistics Program.
  - B.com Program has one course in Mathematical and Statistical Techniques at the First year Program.
5. **Annual/ Semester/Choice based Credit System:**
  - In academic years 2009-10 and 2010-11, annual pattern of examinations in which examinations are conducted term-wise. From academic year 2011-12, credit based semester and grading system of examinations.
6. **Participation of the department in the courses offered by other departments.**

**Staff Prof. P. G. Patki**

  - Engaged lectures for M. Sc. Statistics for NMIMS University, in India in academic year 2009-10, 2010-11, 2011-12, 2012-13, 2013-14.
  - Engaged lectures for M. Sc. Statistics for Mumbai University (Mithibai College), in India in academic year 2012-13, 2013-14.

**Staff Dr. (Smt.)U. A. Phatak**

  - Engaged lectures for M. Sc. Statistics for NMIMS University, in India in academic year 2009-10, 2010-11.
  - Engaged lectures for M. Sc. Statistics for Mumbai University (Mithibai College), in India in academic year 2012-13.
  - Engaged lectures for M.Sc. Biotechnology for YCMOU in India in academic year 2009-10.
  - Engaged lectures for a course on Scientific Communication Skills during 2013-14 by Xavier's College.

**Staff Prof. (Kum.)A. R. Bhurkud**

  - Delivered a lecture on Biostatistics as visiting faculty for the B.Sc course conducted by the Department of Zoology (Bhavan's College).in year 2011-12, 2012-13, 2013-14.
  - Engaged lectures for M. Sc. Statistics for NMIMS University, in India in academic year 2011-12, 2012-13, 2013-14.
  - Engaged lectures in Statistics for M. Sc. Biological Sciences for NMIMS University, in India in academic year 2013-14.

7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil

8. **Details of Course/programmes discontinued (if any) with reasons:** Nil

9. **Number of teaching posts:**

Post	Sanctioned					Filled				
	2009-10	2010-11	2011-12	2012-13	2013-14	2009-10	2010-11	2011-12	2012-13	2013-14
Asso. Prof.	4	4	4	4	4	4	4	4	4	4
Assist Prof.	4	4	4	4	4	2	2	2	2	2

10. **Faculty profile with name, Qualification, Designation, Specialisation (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided in the last 4 years
Smt. B. P. Patki	M.Sc., M.Phil.	Head, Dept. Of Statistics & Associate Professor	Statistics	31	---
Smt. S. S. Naralkar	M.Sc., M.Phil.	Associate Professor	Statistics	28	---
Shri P. G. Patki	M.Sc., M.Phil. DCST	Associate Professor	Statistics	28	---
Smt. U. A. Phatak	M.Sc., M.Phil., Ph.D.	Associate Professor	Statistics	27	---
Late Shri A. M. Dhote (expired on 2 <sup>nd</sup> March 2014)	M.Sc.	Assistant Professor	Statistics	20	---
Kum. A. R. Bhurkud	M.Sc.	Assistant Professor	Statistics	04	---

11. **List of senior visiting faculty:** Nil

**12. Percentage of lectures taken by temporary faculty – programme-wise Information:**

Class	F.Y.B.Sc. (Statistics)	S.Y.B.Sc. (Statistics)	T.Y.B.Sc. (Statistics)	T.Y.B.Com. (Computer Systems)	T.Y.B.Com. (Operations Research)
Percentage	NIL	33%	33%	NIL	100%

**13. Student Teacher Ratio (Programme-wise)**

Class	B.Sc.	B.Com
Ratio	100:3	125:1

**14. Number of academic support staff (technical) and administrative staff: sanctioned and filled:**

Laboratory Assistant: 01 (Sanctioned: 01)

Laboratory Attendant: 01(Sanctioned: 01)

Peons: One common peon for the floor

**15. Qualifications of teaching faculty with D.Sc./D.Litt./ Ph.D. /M.Phil./PG, etc.: Refer Q. No. 10**

**16. Number of faculty with ongoing projects from a) National b) International funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise: NIL**

**17. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received: NIL**

**18. Research Centre / Facility recognized by University: Nil**

**19. Publications number of papers published in peer reviewed journals (National / International):** Dr. Smt. U.A. Phatak has 4 Publication in National Journals

**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:**

100% of students participate in assignments on the subjects in the form of projects submitted towards internal assessment as a part of their course work at all levels at the U.G. Program in the course.

**23. Awards / Recognitions received by faculty and students- NIL**

**24. List of eminent academicians and scientist/visitors/alumni to the department.**

Kum. Dimple Doshi,	Fellow, Actuarial Society of U.S.A.
Shri Vaibhav Sawant,	Kotak Mahindra
Kum. Divya Pillai,	United Health Group
Shri Augustine Monise,	Tata AIG
Shri Arindam Chakraborty,	Munich Re India Services
Kum. Mithila Rane,	MBA Marketing
Shri Amul Desai,	SAS
Shri Nikhil Agarwal	A.C. Nielsen
Shri Salman Shaikh	Cartesian

**25. Seminars/ Conferences/Workshops organized and the source of funding (National / International) with details of outstanding participants, if any:**  
 NIL

**26. Student profile course-wise:**

Name of the Course (refer question no. 2)	Academic Year	Applications received	Selected Male	Selected Female	Pass percentage
UG: T.Y.B.Sc.	2009-10	38	24	14	82%
	2010-11	22	14	08	95%
	2011-12	44	26	18	92%
	2012-13	22	17	05	50%
	2013-14	35	16	19	88.57%

**27. Diversity of students**

Name of the Course (refer question no. 2)	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
UG : BSc.	50%	95%	5%	NIL
UG : B.Com.	50%	95%	5%	NIL

**28. How many students have cleared Civil Services, Defence Services, NET, SLET, GATE and any other competitive examinations? : NIL**

**29. Student progression**

Student progression	Percentage against enrolled
UG- PG	33%
Employed	
Campus Selection	5%
Other than Campus Recruitment	95%

**30. Details about department infrastructural facilities available**

- Library 127 books in the Department's Library.

- Internet facilities for staff available.
- Total number of class rooms: 01
- Class rooms with ICT facility: NIL
- Students' laboratories: 01
- Research laboratories: Not Applicable
- Number of Computers : 11 (LAN of 10 Computers and 1 stand-alone computer)
- Statistical Package like TORA, R Software, MS.EXCEL.
- Scientific Calculator : 60
- O.H.P. : 01
- Printer : 03

**31. Number of students of the department getting financial assistance from College, University, Government or other agencies:**

Financial assistance is provided to reserved category students at the College level and about 50% students avail of the benefit. On an average, Rs.22 lacs is disbursed per annum.

**32. Details of student enrichment programmes (special lectures / workshops/ seminar) with external experts.**

- Shri Salman Asgar, Kum. Khushboo Kanchanwala, Shri Vishal Patel and Kum. Aaliya Shekh Participated in Poster Making Competition organised by SIES College on 'Elements of Corruption' and 'Inflation Ratio in Statistics' on 27<sup>th</sup> August 2011.
- Shri Sachin Singh and Kum. Shefali Dubli of T.Y.B.Sc. (Statistics) participated in 'Quiz competition'; Shri Sachin Singh, Kum. Shefali Dubli and Kum. Pranali Shetye of T.Y.B.Sc. (Statistics) participated in 'Treasure Hunt' organized by St. Xavier's College on 7<sup>th</sup> and 8<sup>th</sup> September, 2012.
- Shri Bharat Agarwal and Shri Sayed Isa of S.Y.B.Sc. Participated in 'STATMANIA' Statistical Quiz Organised by Ruia College on 18<sup>th</sup> December, 2012.
- Alumni of the Department of Statistics, Ms. Dimple Doshi Shah (2002-2005 batch) has been awarded FELLOW ACTUARY Degree by Society of Actuaries U.S.A. during 2012-13.
- Department of Statistics celebrated Platinum Jubilee of BVB and 125<sup>th</sup> Birth anniversary of Kulapati K. M. Mumshiji. On this occasion, alumni of the Department, Sri Arindam Chakraborty and Kum. Mithila Rane Participated in Panel Discussion on Carrier Opportunities in Statistics on 2<sup>nd</sup> February, 2013.
- Department of Statistics celebrated SANKHYIKI DIWAS on Saturday, 29<sup>th</sup> June 2013, to commemorate the birth anniversary of late P. C. MAHALANOBIS, the founder of Indian Statistical Institute, Kolkata. Kum. Suman Patel and Shri Bharat Agarwal of T.Y.B.Sc. (Statistics) made a presentation on life history of P. C. Mahalanobis.

- Shri Bharat Agarwal, Shri Sayed Isa, Shri Nilesh Gardi, Kum. Ruhi Usmani, Kum. Priyanka Dangar and Kum. Arati Jaiswal of T.Y.B.Sc. participated in 'The Classic Quiz' organised through 'NUMERO UNO' in intercollegiate Mathematics and Statistics Fest. at H. R. College, Churchgate on MONDAY, 26<sup>th</sup> AUGUST, 2013.
- Prof. Sunil Shirvaiker from NMIMS delivered lecture on Applications of Statistics in Industry and Relevance of Post Graduate studies in Statistics on 7<sup>th</sup> September, 2013.
- 4 students of T.Y.B.Sc. and 7 students of S.Y.B.Sc. Statistics participated in the workshop on Data Analysis using R software organized by SANKHYIKI, NMIMS University on 29<sup>th</sup> and 30<sup>th</sup> November, 2013.
- 29 students of T.Y.B.Sc. (Statistics) participated in one-day workshop (STATEXPRO 2014) conducted by K. J. Somaiya College on 5<sup>th</sup> February, 2014.

**33. Teaching Method adopted to improve student learning**

- At the beginning of each semester, the teachers of the Department effort to follow these plan scrupulously. At the end of every semester, the teachers submit teaching report.
- Department holds regular meetings to seek feedback on the difficulties faced by the teachers and on the responses if the students wile delivering curriculum.
- Students do referencing work on internet and in College Library to make presentations or complete assignments given to them on the topics relevant to curriculum.

**List the teaching methods adopted by the faculty for different programmes**

- Chalk and Board method to deliver lectures for under graduate programme in Statistics at B.Sc., Computer Systems & Analysis and Elements of Operations Research at T.Y.B.Com.
- Use of O.H.P. and Transparencies while conducting practicals in Computer Systems and Analysis.
- Use of Internet for research and self-study.

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

- Wall Magazine 'DATA SPEAKS' is updated on regular basis by way of displaying news articles on various current/afters.
- Participation of students in R Software workshop.

**35. SWOC analysis of the department and future plans:**

**Strengths:**

- The Department works as a cohesive team. There is a decentralized functioning of this team, where one In-charge is appointed for each class at the beginning of the academic year, who manages the practical schedule, attendance records, extra lectures etc.
- The Department endeavours to be student-centric through various activities organized from time to time.
- Teaching faculty of the Department informally provides consultancy in Statistical analysis to various research students/staff.
- The faculty has acquired additional/sufficient qualifications during service.
- The students of Statistics are absorbed by industry.

**Weakness:**

- So far, the Department has no industrial links and consultancy service.

**Opportunities**

- The Department has scope to start consultancy for Statistical analyses formally.
- The Department has an opportunity to conduct short term courses in Applied Statistics for students having no statistical background from various disciplines like Biochemistry, Biology, Medicine etc. and on statistical analysis using computer package.
- The Department plans to conduct Inter-Collegiate Quiz Competitions/Seminars and certificate course in statistical analysis using computer packages.

**Challenges**

- Department of Statistics is facing a faculty crunch as very limited seats are available for post graduation in the subject of Statistics. It's a challenge for encouraging students to take up teaching field.

**Future plans of the department**

- The Department plans to start consultancy for Statistical analyses formally.
- The Department, also, plans to conduct short term courses in Applied Statistics for students having no statistical background from various disciplines like Biochemistry, Biology, Medicine etc. and on statistical analysis using computer package.
- The Department plans to conduct Inter-Collegiate Quiz Competitions/Seminars and certificate course in statistical analysis using computer packages.

**Any other highlights**

- University Rank Holders
- Kum. Mrudula Agarwal secured 8<sup>th</sup> Rank in University Merit List of April, 2010 Examinations at T.Y.B.Sc.
- Shri Vaibhav Sawant secured 7<sup>th</sup> Rank in University Merit List of April, 2012 Examinations at T.Y.B.Sc.  
Prof. (Smt.) B. P. Patki
- Appointed as subject expert on interview panels of various Colleges.
- Worked on L.I.C. of University of Mumbai.
- Worked as member of Discipline Committee for College day in 2012-13.  
Prof.(Smt.)S. S. Naralkar
- Co-authored book for F.Y.B.Sc. (Statistics) students of University of Mumbai.
- Appointed as subject expert on interview panel of Kirti College in 2009-10.
- Worked as member of College Examination Committee during 2009-2010.
- Working as member of Time Table and Work Load Committee.  
Prof. P. G. Patki
- Worked as convener of VI Pay Fixation Committee in 2009-10.
- Worked as Chair Person of College Examination Committee during 2010-2013.
- Worked as Chief Co-ordinator for Steering for NAAC in 2014.
- Appointed as subject expert on interview panels of various Colleges.
- Appointed as members of Board Studies in Statistics at NMIMS University.
- Co-authored study material for M.C.A. programme run by IDOL, University of Mumbai.
- Worked on L.I.C. of University of Mumbai.
- Worked as Convenor of T.Y.B.Com. College Admissions in 2010-11, 2011-12.
- Worked as Convenor of Committee for Preparation of Seniority List of the College in 2012-13.  
Dr.(Smt.)U. A. Phatak
- Working as convener of Attendance Committee since academic year 2008-09.
- Working as Examination Committee Member to administer University Examinations Conducted in our College since academic year 2013-14.  
All the teachers of Department of Statistics have been participating in centralised assessment program of University of Mumbai regularly.

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1. **Name of the Department:** DEPARTMENT OF ZOOLOGY
2. **Year of establishment:** 1946
3. **Names of Programmes / Courses offered:**
  - **UG:** BSc-in Zoology 6 Units
  - **PG:** MSc- in Zoology (specialization- Animal Physiology)
  - **M.Phil:** In Environmental Science under YCMOU till 2012
  - **Ph.D:** In Zoology
4. **Interdisciplinary courses started and departments involved (specify the initiation year):**
  - Vocational Certificate and Diploma Course in Biotechnology till 2013.
5. **Annual/ semester/choice based credit system:**
  - In academic years 2009-10 and 2010-11, annual pattern of examinations in which examinations are conducted term-wise. From academic year 2011-12, credit based semester and grading system of examinations.
6. **Participation of the department in the courses offered by other departments.**

**Staff Dr. V.I.Katchi**

- delivered lectures on topics in Biotechnology
- delivered lectures for M.Phil. under YCMOU on topics in Environmental Science

**Staff Dr. A.J. Patel**

- delivered a lecture on topics in Biotechnology
- delivered lectures for M.Phil. under YCMOU on topics in Environmental Science.
- conducted a field trip for the students of the BMM, BMS, BSc IT & Comp Science departments to Ranthambhore, Jaipur, Bandhavgarh under the aegis of Industrial and Ecotourism programmes in January 2012.

**Staff Dr. A.J.Rao**

- delivered a lecture on topics in Biotechnology
- delivered lectures for M.Phil. under YCMOU on topics in Environmental Science

**Staff Dr. P.K. Pandya**

- delivered lectures for M.Phil. under YCMOU on topics in Environmental Science
- conducted a field trip from 18 Feb to 21 Feb 2010, for the students of the Travel & Tourism course of the Commerce department to Mahableshtar under the aegis of Ecotour programme
- conducted a field trip for the students of the BMM, BMS, BSc IT & Comp Science departments to Pachmarhi, & Jabalpur under the aegis of Industrial and Ecotourism programmes in Jan 2011.
- conducted a field trip for the students of the BMM, BMS, BSc IT & Comp Science departments to Ranthambhore, Jaipur & Bandhavgarh under the aegis of Industrial and Ecotourism programmes in January 2012.
- Conducted several programmes for the Jr. College students, was visiting faculty for several courses, was resource person for several Interdisciplinary Programmes and engaged lectures for M. Sc. for other Universities, in India or abroad **(See Profile Attached)**

**Staff Dr. B.M. Gore**

- conducted a field trip for the students of the BMM, BMS, BSc IT & Comp Science departments to Mt.Abu, Ajmer & Jaipur under the aegis of Industrial and Ecotourism programmes November 2010.

**Staff Prof. S.P. Jumale**

- conducted a field trip for the students of the BMM, BMS, BSc IT & Comp Science departments to Mt.Abu, Ajmer & Jaipur under the aegis of Industrial and Ecotourism programmes November 2010.

7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil

8. **Details of Course/programmes discontinued (if any) with reasons:** Nil

9. **Number of teaching posts:**

Post	Sanctioned					Filled				
	2009-10	2010-11	2011-12	2012-13	2013-14	2009-10	2010-11	2011-12	2012-13	2013-14
Professor	-	-	-	-	-	-	-	-	-	-
Associate Professor	5	5	5	5	5	5	5	5	5	5
Assistant Professor	3	3	3	3	3	3	3	3	3	3

**10. Faculty profile with name, qualification, designation, specialisation (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided in the last 4 years
Dr. V. I. Katchi	M.Sc., M.Phil., PhD. D.H.E.	Associate Professor	Marine Zoology/Animal Physiology	36	2 PhD
Dr. A. J. Patel	M.Sc., M.Phil., PhD.	Associate Professor	Marine Zoology/Endocrinology	34	1 MPhil 1MSc
Dr. P. K. Pandya	M.Sc., PhD. 1 Year Certificate Course in Web Designing & Comp Applications.	Associate Professor	Cytology	32	1 MPhil
Dr. M. M. Khanna	M.Sc., PhD. B.Ed.	Associate Professor	Cytology	28	
Dr. A. J. Rao	M.Sc., PhD.	Associate Professor	Marine Zoology	28	1 MPhil 2 PhD
Dr. S. M. Mane	M.Sc., PhD.	Assistant Professor	Marine Zoology	26	
Dr. B .M. Gore	M.Sc., PhD.	Assistant Professor	Marine Zoology	19	
Prof. S. P. Jumale	M.Sc.	Assistant Professor	Mammalian Reproductive Physiology	17	
Prof. N.C.Disoria	M.Sc.	Contractual Lecturer	Animal Physiology	3	

11. List of senior visiting faculty: Nil

**12. Percentage of classes taken by temporary faculty – programme-wise information**

Year	2009-10	2010-11	2011-12	2012-13	2013-14
Percentage	12%	12%	11%	13%	13%

**13. Student Teacher Ratio (Programme-wise)**

B.Sc. : 100:3                      M.Sc.: 5:1

14. **Number of academic support staff (technical) and administrative staff: sanctioned and filled**
- Laboratory Assistant: 1 (Sanctioned - 1)
  - Laboratory Attendant: 5 (Sanctioned - 5)
  - Peons – 2
15. **Qualifications of teaching faculty with D.Sc./D.Litt./ Ph.D. /M.Phil./PG, etc.: Refer Q. No. 10**
16. **Number of faculty with ongoing projects from a) National b) International funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise**

Name of Staff	Funding agency	Year	Total grant	Title of project
Dr. B. M. Gore	University of Mumbai	2008	Rs. 5000/-	“Screening of extracts of <i>Prosopis specigera</i> for anti-diabetic activity
Dr.Asha Rao	UGC	2009		Biotechnological studies of the extracts of the marine sponges <i>Halichondria panacea</i>
Prof.Sanjay Jumale	University of Mumbai	2010	Rs.13000/-	A study on status of intertidal biodiversity of Elephanta islands with special reference to Mollusca
Dr.Asha Rao	University of Mumbai	2010	Rs.18000/-	Possible role of marine sponge <i>Axinella carteri</i> (Dendy,1889)Associated fungi in bioremediation of aquatic contaminated with synthetic textile dyes.
Dr. B. M. Gore	University of Mumbai	2013	Rs. 20000/-	A preliminary study on <i>Cordia dichotoma</i> fruit mucilage extract as coagulant-flocculent for turbid water treatment

17. **Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received: Nil**
18. **Research facility / centre: Nil**

**19. Publications:**

**Number of papers published in peer reviewed journals (National / International):**

Year	No. Of Papers		Posters
	International	National	
2009-2010	4	4	1
2010-2011	1	--	1
2011-2012	--	--	1
2012-2013	2	2	--
2013-2014	2	--	--

**Monographs:**

- Dr.P.K.Pandya co-authored book on 'Wild Maharashtra' published in year 2012. He wrote the chapters on –
  - The Kaas Plateau- Maharashtra's Floral Paradise
  - Nandur Madhmeshwar – Maharashtra's Bird Paradise

**20. Areas of consultancy and income generated**

- Online editing of magazines and periodicals.
- Sunday training for teachers, volunteers and corporate sector and forest guards.
- Income generated Rs.45,000/- in 2012-13 and Rs.60,000/- in 2013-14.

**21. Faculty as members in (a) National Committees (b) International Committees (c) Editorial Boards...: Nil**

**22. Student projects**

- 100% M.Sc. students take up the projects.
- 30% of U.G. students take up the projects.

**23. Awards / recognitions received at the National and International level by Faculty:**

- Dr.V.I.Katchi – Principal and Head of the Department received "Twameva Vidya" For promoting Excellence in the field of Education and nurturing Youth by Dina Institute of Management, Pune
- Dr. Parvish Pandya : Green teacher Award by Sanctuary Magazine in December 2010

**Students:**

- Zeeshan Mirza – Green Student – December 2010
- Yogesh Patel – Participated in Senior Maharashtra Boxing Championship Pune – 2012.Gold medallist at Mumbai University Boxing Championship held at Rizvi College 2012.
- Rahul Kumar – Young Naturalist – December 2013.
- Kum.Shukla Kiran J. Received The Prof.A.Gopalkrishna Gold Medal in April 2009.

**24. List of eminent academicians and scientist/visitors/alumni to the department:**

**List the distinguished alumni of the department:**

- Dr. Anish Andheria – Director – Wildlife Conservation Trust
- Mr. Anand Pendharkar – Director - SPROUTS
- Ms. Niketa Pimple – Principal of Valmiki Vidyalaya
- Dr. Momna Hejmadi Sharma –
- Mr. Raj Yadav – Started his own school
- Ms. Farida Tampal – Director, World Wide Fund for Nature, Eastern Zone.
- Mr. M. K. Anand – CEO, Walt Disney
- Col. Prashant Rao – Army – Kargil War

**25. Seminars/ Conferences/Workshops organized and the source of funding (National / International) with details of outstanding participants, if any:**

Ornamental Fish Culture training programme in the year 2010-11: Coordinated by Dr.B.M.Gore.

Taxidermy programme in the year 2010-11: Coordinated by Dr.Gaikwad/Dr.B.M.Gore.

**26. Student profile course-wise:**

Name of the Course (refer question no. 2)	Academic Year	Applications received	Select ed Male	Selecte d Female	Pass percentage
UG : T.Y.B.Sc.	2009-10	11	3	8	90%
	2010-11	12	4	8	100%
	2011-12	16	4	12	87.5%
	2012-13	14	6	8	85.7%
	2013-14	26	11	15	96.15%
PG: M.Sc.	2009-10	7	1	6	100%
	2010-11	9	3	6	90%
	2011-12	10	6	4	80%
	2012-13	10	6	4	70%
	2013-14	10	3	7	90%

**27. Diversity of students**

Name of the Course (refer question no. 2)	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
UG : BSc.	50%	95%	5%	NIL
PG : M.Sc.	50%	95%	5%	NIL

28. **How many students have cleared Civil Services, Defence Services, NET, SLET, GATE and any other competitive examinations? : Nil**

29. **Student progression**

<b>Student progression</b>	<b>Percentage against enrolled</b>
UG- PG	60%
PG-M.Phil	Nil
PG to PhD	Nil
Ph.D to Post Doctoral	Nil
Employed	80%
Campus Selection	Nil
Other than Campus Recruitment	80%
Entrepreneur	Nil

30. **Details about department infrastructural facilities available**

- Library – There is a Department Library housing approximately 200 titles with free access to students
- Internet facilities for staff and students – Not available.
- Class rooms with ICT facility: Nil
- Students' laboratories: 5
- Research laboratories: 1

31. **Number of students of the department getting financial assistance from College:**

- Students with financial constraints are provided with assistance for participating in Departmental Study tours and excursions.
- Financial assistance is provided to reserved category students at the College level and about 50% students avail of the benefit. On an average, Rs.22 lacs is disbursed per annum.

32. **Details of student enrichment programmes (special lectures / workshops/ seminar) with external experts.**

- Visits to Morarka Organics(Organic Industry) in the year 2010-11
- Sun-plugged: Department participated in the programme on Conservation and use of Solar Energy in year 2013-14.
- Dr.P.K.Pandya gave a talk on 'Career Avenues in Zoology' in the year 2011-12.
- Dr.Momna Hejmadi spoke on 'Research Abroad' in the year 2009-10.
- Mr.Sachin Satam spoke on 'Fisheries Research' in the year 2012-13.
- Dr.Ramaih N. spoke on 'Ocean Biology' in the year 2013-14.

33. **Teaching methods adopted by the faculty for different programmes**

- Chalk & Talk
- OHP, LCD with Laptop for films, PowerPoints, Animations

- Talks, Discussions, Seminars, Workshops, Outings, Field visits, Handling of instruments in laboratory and field, Institution Visits, Camps,
- Exposure to modern Biodiversity Study techniques and Environment Management programmes.

**How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**

- Students' academic results
- Students' develop passion for the subject and seek career opportunities in the same or related fields.
- Feed-back from, Internal Tests, Classroom and laboratory interaction.

**34. Participation of students and faculty in extension activities**

- Powai Lake cleaning programme periodic and after Ganesh Immersion
- Participation of Students in competitions & programmes on Gender Awareness and related social issues, organised by Women Development Cell (WDC). Staff members Dr. Shaila Mane is Convenor & Dr. Parvish Pandya is Committee Member..
- Beach cleaning by Nature Club members since three years, with SPROUTS for post-Ganesh immersion at Juhu and Girgaum Chowpatty, and by Coast Guards, western Command at Juhu.
- Programme coordinated by Dr. Parvish Pandya.

**35. SWOC analysis of the department and future plans:**

**Strengths:**

- Varied specializations in subjects of faculty
- Faculty is diverse and multi-lingual to cater to academic and personal needs of the students
- Faculty is easily approachable and friendly
- Highest number of students in North-West Zone of Mumbai, at FYBSc level
- Faculty is techno savvy and use modern communication techniques.

**Weakness:**

- Paucity of space
- Financial crunch to pursue research projects
- Staff is involved in specialized activities leaving little chance for interaction among themselves.
- Students from vernacular media of instructions have problems comprehending the subject details.

**Opportunities**



- Faculty has connections with placement agencies and employers, offering full-time (for pass-outs) as well as part-time jobs for needy students.
- Faculty has contacts with Research organisations and scientists / experts who offer training and hands-on experience and internship for current students.

### **Challenges**

- To explain the subject to students from vernacular medium in different languages.
- To make students conscientious of the garbage and waste disposal by students within the large College campus.
- Coping with the old and new systems of curriculum simultaneously.

### **Future plans of the department**

- Get more research and project grants
- To restrict the number of students at entry point so as to improve the quality of interaction and academic excellence.
- To start a new course in Biodiversity Conservation and Management.
- To collaborate with some hatcheries to start a fish breeding center for Ornamental Fishes.

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1. **Name of the Department:** DEPARTMENT OF ACCOUNTANCY
  
2. **Year of establishment:** 1980
  
3. **Names of Programmes / Courses offered:** UG: B.Com
  
4. **Interdisciplinary courses started and departments involved (specify the initiation year):** NIL
  
5. **Annual/ semester/choice based credit system:**  
 In academic years 2009-10 and 2010-11, annual pattern of examinations in which examinations are conducted term-wise. From academic year 2011-12, credit based semester and grading system of examinations.
  
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 Course/programmes discontinued (if any) with reasons:** Nil
  
9. **Number of teaching posts:**

Post	Sanctioned					Filled				
	2009-10	2010-11	2011-12	2012-13	2013-14	2009-10	2010-11	2011-12	2012-13	2013-14
Asso. Prof	4	3	3	2	2	4	3	3	2	2
Assist Prof	-	1	1	2	2	-	1	1	1	1

**10. Faculty profile with name, qualification, designation, specialisation (D.Sc./D.Litt./ Ph.D./M.Phil., etc.) :**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided in the last 4 years
Prof vinayak Pandya	B.COM HONS. FCA	Associate Professor & HOD	Accountancy	33 years	NIL
Prof.Piyush Raval retd.	B.COM. FCA	Associate Professor	Accountancy	26 years	NIL
Prof.Bhargav Vatsraj (retd.)	B.COM HONS. FCA. PHD (SCHOLAR)	Associate Professor	Accountancy	22 years	NIL
Prof. Prakash Degadwala	B.COM. FCA. LLB SET	Associate Professor	Accountancy	25 years	NIL
Prof. Rahul Suryawanshi	M.COM NET	Assistant Professor	Accountancy	3 years	NIL
Prof. Ruby Parekh	M.COM FCA (RANK HOLDER)	Contract Basis	Accountancy	1 year	NIL
Prof.Nidhi Joshi	M.COM	Contract Basis	Accountancy	1 year	NIL

**11. List of senior visiting faculty:** Nil

**12. Percentage of lectures delivered and practical classes handled (programme-wise)**  
**By Temporary faculty:** B.Com – 25% Lectures.

**13. Student Teacher Ratio (Programme-wise):** 220:1 (B.Com.)

**14. Number of academic support staff (technical) and administrative staff: sanctioned and filled:** NIL

**15. Qualifications of teaching faculty with D.Sc./D.Litt./ Ph.D. /M.Phil./PG, etc.:** Refer Q. No. 10

**16. Number of faculty with ongoing projects from a) National b) International funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise:** NIL

**17. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received:** NIL

**18. Research facility / centre:** NIL

**19. Publications:**

Number of papers/ posters published in peer reviewed journals (National / International):

Name of Staff	No of Papers/ Posters	International	National
Vinayak Pandya	2	2	-
Prof Rahul Suryawanshi	1	1	-

**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:**

100% of students participate in assignments on the subjects in the form of projects submitted towards internal assessment as a part of their course work at all levels at the U.G. Program in the course.

**23. Awards / recognitions received at the National and International level: NIL**

**24. List of eminent academicians and scientist/visitors/alumni to the department:**

**List the distinguished alumni of the department:**

- Ms.Sneha Joshi : Professional Singer
- Mr.Nadeem Shaikh : Pursuing CS / Winner of National Level Elocution Competition
- Ms.Preeti Dwiwedi : Sub-Coordinator of T.Y.BMS (Bhavan's College)
- Mr.Shivam Tiwari : Chartered Accountant
- Ms.Nikita Bhawe : Chartered Accountant

**25. Seminars/ Conferences/Workshops organized and the source of funding (National / International) with details of outstanding participants, if any: NIL**

**26. Student profile course-wise:**

Name of the Course	Academic Year	Applications received	Selected Male	Selected Female	Pass %
U.G. : T.Y.B.COM.	2009-10	393	209	184	78.8%
	2010-11	409	219	190	79.33%
	2011-12	406	212	194	78.00%
	2012-13	315	180	135	86.69%
	2013-14	350	188	162	61.67%

**27. Diversity of students**

Name of the Course	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
B.Com.	95%	95%	5%	NIL

**28. How many students have cleared Civil Services, Defence Services, NET, SLET, GATE and any other competitive examinations? : Nil**

**29. Student progression**

Student progression	Percentage against enrolled
UG- PG	<b>80%</b>
Employed Campus Selection Other than Campus Recruitment	<b>5.7%</b> <b>12%</b>
Entrepreneur	<b>2.3%</b>

**30. Details about department infrastructural facilities available**

- Library Common Library (Books borrowed from Central Library & temporary library for students created every year
- Internet facilities for staff and students : Available in College Library

**31. Number of students of the department getting financial assistance from College:**

Financial assistance is provided to reserved category students at the College level and about 50% students avail of the benefit. On an average, Rs.22 lacs is disbursed per annum.

**32. Details of student enrichment programmes (special lectures / workshops/ seminar) with external experts.**

- Mr. Pranav Dave, Finance Executive of the L&T Finance Company Limited delivered a talk on Corporate Finance (Jointly organised with Department of Commerce).

**33. Teaching methods adopted by the faculty for different programmes**

- Announcement of topic in advance.
- Students are asked to collect relevant material from newspapers and magazines.
- Class discusses the topic with support of material bought by Student and the Faculty.
- ICT is used to make lectures interesting
- Power -point presentation by students.
- One- minute paper presentation by students.
- Case study method
- To discuss the practical aspects of the topic in present scenario.
- Group discussion

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

The Department of Accountancy along with Commerce Department manages the Bhavan's Chamber of Commerce. This is an association of the students of degree College commerce. The Association functions for all round development of personality of the students, so as to groom their personality and remove their stage fear. In this direction the Bhavan's Chamber of Commerce has undertaken the following activities:

- Career Awareness Programme
- Patriotic Songs Singing Competition
- Quiz Competition
- Kite Flying Competition
- Guest Lecture on "Stock Markets & transaction on B.S.E & N.S.E" by speakers from Motilal&Oswal Securities
- Poster competition
- Minutes writing competition.
- Report writing competition.
- Personality Development Program by NTUC Learning HUB, Singapore
- Aptitude Test for T.Y.B.Com. students
- A special lecture was organised by the Institute of Company Secretary of India for the benefit of students on the special topic Career as a Company Secretary. CS Kaushik Zaveri, Practising

- Company Secretary and Prof. Rajkumar R Tiwari have delivered a lecture on Company Secretary as a profession. More than 155 students attended the same.
  
- A special lecture was also organised by the Ministry of Corporate Affairs, New Delhi jointly with the Stock Exchange, Mumbai on Investor Education And Protection Funds. Prof. Rajkumar R Tiwari was deputed by the Institute of Company Secretary of India and the Bombay Stock Exchange to make presentation on the same. More than 15 professors and Approx. 200 students actively participated in the same.

**35. SWOC analysis of the department and future plans:**

**Strengths:**

- Experienced and research oriented Faculty

**Weakness: -- NIL**

**Opportunities:**

- B.Com students have good employment opportunity.
- Opportunity for Industry, Student and Faculty interaction.

**Challenges**

- Improve student performance at the university examination.
- Making students employable

**Future plans of the department:**

- Conduct certificate courses in collaboration with the industry which would help to make students employable
- PG course and 5 years later start research centre for commerce in the College.

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1. **Name of the Department: DEPARTMENT OF COMMERCE**
2. **Year of establishment: 1980**
3. **Names of Programmes / Courses offered: UG: B.Com**
4. **Interdisciplinary courses started and departments involved (specify the initiation year): NIL**

5. **Annual/ semester/choice based credit system:**

In academic years 2009-10 and 2010-11, annual pattern of examinations in which examinations are conducted term-wise. From academic year 2011-12, credit based semester and grading system of examinations.

6. **Participation of the department in the courses offered by other departments:**

**Prof VivekMadav** (Retired)

Visiting faculty for the BMS at VivekVidyalay.

**Dr.Gita S.Shetty**

- was visiting faculty for the BMS(Import &Export)course conducted by the Department of Self financing LalaLajpatraiCollegeof Commerce and Economicsin Year 2007-08&2008- 09
- was visiting faculty for the M.Com (Marketing Strategy,International Marketing & Entrepreneurship Mangement course conducted by the Department of Self financing)LalaLajpatrai College of Commerce and Economics in Year 2007-08 &2008- 09 and 2013-14

**Prof.Rajkumar Tiwari**

- Visiting faculty for Institute of Company Secretaries of India at Sydenham College, Churchgate, Mumbai-40023

**Ms.SaminaTanwar**

- Visiting faculty for the BMS (Business Law, Industrial Law) Bhavan's College, SFC, in Year 2013-2014.

7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil
8. **Details of Course/programmes discontinued (if any) with reasons:** Nil



**9. Teaching posts sanctioned and filled:**

Post	Sanctioned					Filled				
	2009-10	2010-11	2011-12	2012-13	2013-14	2009-10	2010-11	2011-12	2012-13	2013-14
Asso prof	4	4	4	4	2	4	4	4	4	2
Assist prof	--	--	--	--	2	--	--	--	--	2

**10. Faculty profile with name, qualification, designation, specialisation (D.Sc./D.Litt./ Ph.D./M.Phil., etc.) :**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided in the last 4 years
Dr.Usha H Parikh(Retd.in Feb,2013)	M.Com, Ph.D	Associate Professor	M.Com Ph.D	32 Years	--
Prof VivekMadav (Retd. in Jan, 2013)	B.Com LLM	Associate Professor	L.L.M (Contract & Criminology)	30 Years	--
Dr. Gita S Shetty	M.Com Ph.D	Associate Professor	M.com (Mangement) Ph.D (Business Policy and administration)	28 Year	--
Prof Rajkumar Tiwari	M.Com., LLM., DFM., PGDCM&IA., M.Phil., DIPL, FCS, MH-SET	Associate Professor		23 years	--
Prof SaminaTanwar	M.A, DHRM, L.L.M, L.L.M	Assistant Professor	M.A (Economics), L.L.M (IPR& IT), L.L.M (Business Law)	4years	--
Prof RakshaTemkar	M.com, M.PHIL, NET	Assistant Professor	M.com (Accountancy), M.PHIL (Accountancy)	7 years	--

**11. List of senior visiting faculty: Nil**

**12. Percentage of classes taken by temporary faculty – programme-wise information**

F.Y.B.Com 100%      S.Y. B.Com 51.3%      T.Y. Com.: NIL

**13. Student Teacher Ratio (Programme-wise)**

Program	Ratio
B.Com.	220:1

**14. Number of academic support staff (technical) and administrative staff: sanctioned and filled: NIL**

**15. Qualifications of teaching faculty with D.Sc./D.Litt./ Ph.D. /M.Phil./PG, etc.: Refer Q. No. 10**

**16. Number of faculty with ongoing projects from a) National b) International funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise:**

Name of Staff	Funding agency	Year	Total grant
Prof Rajkumar Tiwari	UGC	2013-14	25,000

**17. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received: NIL**

**18. Research facility / centre: NIL**

**19. Publications:**

Number of papers published in peer reviewed journals (National / International):

Name Of Staff	Total Papers	International	National
Dr. Gita S Shetty	4	2	2
Prof.Rajkumar R. Tiwari	4	-	4
Prof SaminaTanwar	1	1	-

**Books written with ISBN numbers with details of publishers  
Chapter(s) in Books:**

**Dr.Gita Shetty:**

- Business Development , Chetana Publication, Ed.June 2008 (F.Y.B.Com., Commerce Paper I)
- Principles of Management and Finance, Chetana Publication, Ed.June 2009. (S.Y.B.Com. Commerce Paper II)
- Marketing and Human Resource Management, Chetana Publication. Ed.June 2010 (T.Y.B.Com. , Commerce Paper II)

**Dr. Gita S. Shetty**

- S.Y.B.Com June 2009, Principles of Management and Finance , Chetana Publication.
- T.Y.B.Com June 2010, Marketing and Human Resource Management, Chetana Publication.

**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:**

- Percentage of students who have done in-house projects including inter-departmental: approximately 75%
- Assigned Advertising projects on topics like “Brand Awareness” , “Market Share”, “New Brand Launches” “Create Your Own Brand”, “History of growth advertising industry in India” , etc. to the students to inculcate Research activities amongst them.
- Advertising projects presentation competition were organised amongst the students.
- Students were asked to survey commonly used consumer product and prepare humorous advertisement.

**23. Awards /Recognitions received by faculty and students; Nil**

**24. List of eminent academicians and scientist/visitors/alumni to the department:**

**List the distinguished alumni of the department:**

Mr.Amay Waghale: Practising Chartered Accountant

Mr.Ramanujan: Head Corporate Consultant and Workpace Strategy

Mr.Ashfaq Kazin: Asst.Prof. Rizvi College

Mr.Manoj Sharma: Principal, Nitin Godiwala College

Ajay Saneji: Income Tax Officer

**25. Seminars/ Conferences/Workshops organized and the source of funding (National / International) with details of outstanding participants, if any:**

- **Dr Gita Shetty** was appointed on the International Advisory Committee for International Conference on Global Transformation and its Impact on Economics, Commerce and Management organised jointly by Lala Lajpatrai College of Commerce & Economics & International Association of Academicians and Researchers (INAAR).

**26. Student profile course-wise:**

Name of the Course	Academic Year	Applications received	Selected Male	Selected Female	Pass %
U.G. : T.Y.B.COM.	2009-10	393	209	184	78.8%
	2010-11	409	219	190	79.33%
	2011-12	406	212	194	78.00%
	2012-13	315	180	135	86.69%
	2013-14	350	188	162	61.67%

**27. Diversity of students:**

Name of the Course	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
B.Com.	95%	95%	5%	NIL

**28. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations? : NIL**

**29. Student progression:**

Student progression	Percentage against enrolled
UG- PG	80%
Employed	
Campus Selection	5.7%
Other than Campus Recruitment	12%
Entrepreneur	2.3%

**30. Details about department infrastructural facilities available:**

- Library Common Library(Books borrowed from Central Library & temporary library for students created every year
- Internet facilities for staff and students : Available in College Library

**31. Number of students of the department receiving financial assistance from College:**

Financial assistance is provided to reserved category students at the College level and about 50% students avail of the benefit. On an average, Rs.22 lacs is disbursed per annum.

**32. Details of student enrichment programmes (special lectures / workshops/ seminar) with external experts.**

- Mr. Pranav Dave, Finance Executive of the L&T Finance Company Limited delivered a talk on Corporate Finance (Jointly organised with Department of Accountancy).

**33. Teaching methods adopted by the faculty for different programmes:**

- Announcement of topic in advance.
- Students are asked to collect relevant material from newspapers and magazines.
- Class discusses the topic with support of material bought by Student and the Faculty.
- ICT is used to make lectures interesting
- Power -point presentation by students.
- One- minute paper presentation by students.
- Case study method
- To discuss the practical aspects of the topic in present scenario.
- Group discussion

**34. Participation of students and faculty in extension activities:**

- The Department of Accountancy along with Commerce Department manages the Bhavan's Chamber of Commerce. This is an association of the students of degree College commerce. The Association functions to develop all round development of personality of the students so as to groom their personality and remove their stage fear.
- The activities conducted by the association are listed in Evaluative report of Department Of Accountancy.

**35. SWOC analysis of the department and future plans:**

**Strengths:**

- Experienced and research oriented Faculty

**Weakness: -- Nil**

**Opportunities:**

- B.Com. students have good employment opportunity.
- Opportunity for Industry, Student and Faculty interaction.

**Challenges**

- Improve student performance at the university examination.
- Making students employable

**Future plans of the department:**

- Conduct certificate courses in collaboration with the industry which would help to make students employable
- PG course and 5 years later start research centre for commerce in the College.

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1. **Name of the Department:** DEPARTMENT OF MANAGEMENT STUDIES
2. **Year of establishment:** 1999
3. **Names of Programmes / Courses offered:** UG: Bachelor in Management Studies
4. **Interdisciplinary courses started and departments involved (specify the initiation year ) :** The Program BMS itself is Interdisciplinary in nature with course from other departments like Mathematics, Commerce, Environmental studies, IT, Managerial Economics, Business Statistics, Financial Accountancy, Management Accountancy, Principles of Management and Strategic Management.
5. **Annual/ semester/choice based credit system:**  
 In academic years 2009-10 and 2010-11, Semester pattern of examinations without credits. From academic year 2011-12, credit based semester and grading system of examinations.
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 Course/programmes discontinued (if any) with reasons:** Nil
9. **Number of Teaching Posts**

Post	Sanctioned					Filled				
	2009-10	2010-11	2011-12	2012-13	2013-14	2009-10	2010-11	2011-12	2012-13	2013-14
Assist prof	4	4	4	4	4	4	4	4	4	4

**10. Faculty profile with name, qualification, designation, specialisation (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Year	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided in the last 4 years
2013-2014	Prof. Sandhya Nabar	M.Com	Coordinator	Accounts	6	--
	Prof. Priti Dwiwedi	MFM	Faculty	Finance	5	--
	Prof. Neha Gupta	MBA	Faculty	Marketing		--
	Prof. Rasika	MBA	Faculty	Marketing & Finance	6	--
2012-2013	Prof. Shagun Mattoo	MBA	Faculty	HR	2	--
2011-2013	Prof. Krupa Rai	MBA	Coordinator	Marketing	8	--
	Prof. Afreen Siddque	MBA	Faculty	HR	2	--
2009-2011	Riddhi Sharma		Coordinator	--	2	--

**12. Percentage of classes taken by temporary / visiting faculty – programme-wise information**

Class	F.Y.BMS.	S.Y.BMS	T.Y.BMS
Percentage	20%	20%	20%

**13. Student Teacher Ratio (Programme-wise): 20:1 (BMS)**



14. **Number of academic support staff (technical) and administrative staff: sanctioned and filled**
  - Laboratory Assistant: 01 (Sanctioned:1)
  - Laboratory Attendant:02 (Sanctioned: 2)
  - Peons: 06\*(\*Shared by all SFC Departments)
15. **Qualifications of teaching faculty with D.Sc./D.Litt./ Ph.D. /M.Phil./PG, etc.: Refer Q. No. 10**
16. **Number of faculty with ongoing projects from a) National b) International funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise: NIL**
17. **Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. And total grants received: Nil**
18. **Research facility / centre: NIL**
19. **Publications: NIL**
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:**
  - 100% students prepare individual projects on various subjects every year. They visit different companies and different departments. The questionnaire is also prepared. The topics are like-
    - Recruitment in Amul
    - Marketing in Amway
    - Management of Shivaji Maharaj
    - Management of Mumbai Dabbawala
  - Students visited many companies like Godrej, Amul, Nestle, many SSIs.
23. **Awards / recognitions received at the National and International level by: NIL**
24. **List of eminent academicians and scientist/visitors/alumni to the department:**
25. **Seminars/ Conferences/Workshops organized and the source of funding (National / International) with details of outstanding participants, if any: NIL**

**Seminars / symposia / conferences / workshops attended:**

- Prof. Priti Dwivedi: Attended workshop for Revised Paper pattern of TYBMS Sem V.

**26. Student profile course-wise:**

Name of the Course (refer question no. 2)	Academic Year	Applications received	Selected Male	Selected Female
UG : T.Y.BMS	2009-10	116	60	36
	2010-11	121	53	68
	2011-12	109	44	65
	2012-13	114	67	47
	2013-14	104	46	58

**27. Diversity of students**

Name of the Course (refer question no. 2)	Year	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
BMS	2009-10	50%	88%	12%	0%
	2010-11	44%	100%	0%	0%
	2011-12	30%	92%	7%	1%
	2012-13	48%	96%	4%	0%
	2013-14	48%	93%	7%	0%

**28. How many students have cleared Civil Services, Defence Services, NET, SLET, GATE and any other competitive examinations? : NIL**

**29. Student progression**

Student progression	Percentage against enrolled
UG- PG	50%
Employed	90%
Campus Selection	20%
Other than Campus Recruitment	70%
Entrepreneur	2012-13 : 3% 2013-14 : 4%

**30. Details about department infrastructural facilities available**

**Library: Wide range of textbooks, reference books, periodicals, journals etc. available)**

- Internet facilities for staff and students:
  - Available in Computer lab for specific time period
  - Available in library during College hrs.
- **Class rooms with ICT facility:** Available as per requirement, LCD LapTop OHP Computers other equipments are available on sharing bases among the SFC departments.
- **Students' laboratories:** 1 Computer Laboratory shared between BMM & BMS.

**31. Number of students of the department getting financial assistance from College:**

- Financial Assistance in form of instalment in fee payment to students.
- Every year about 50% students receive scholarships and freeships through various government schemes amounting to Rs.25 lakhs p.a.

**List the distinguished alumni of the department:**

- Mr.Rohit Shivalkar: Currently studying in London, Doing M.Sc.
- Ms.Shilpa Shetty : Working in Morgan Stanely, Analyst Finance Department
- Akshay Malhotra : Working in J.P.Morgan, Analyst Finance Department
- Prathamesh Naik : Working in Ameya Constructions , Sales & Marketing

**32. Details of student enrichment programmes (special lectures / workshops/ seminar) with external experts.**

- Seminars for Overseas Career Options, GDPI, Resume Writing by CPLC, EON, COMPUTRAIN are arranged every year.

**33. Teaching methods adopted by the faculty for different programmes**

- Audio-Visual Aids: Use of Videos, PPT's for various subjects depending on the requirement of different topics.
- Class & Management Activities: Various management games, activities like debates, GD, Mock Interview, VIVA-VOCE, presentations etc. conducted by respective faculty for their respective subjects.

**34. Participation of students and faculty in extension activities**

- Regular active participation of students in activities like NCC, NSS , Inter-collegiate College festival like O2 and Ray Film Festival
- Special event was organized in association with Sanctuary Magazines Solar Festival Sun Plug(2012)
- Activity participation of students in EGC program Youth exchange by University Yuwas Divas (2013/14)
- Other Activities like Vanmahoutsav , Blood Donation , Beach Cleaning along Coastal Guard(Reports with NCC)

**35. SWOC analysis of the department and future plans:**

**Strengths:**

- Qualified with well experienced Faculty Team.
- Catering & imparting Knowledge to large no of students.
- Strong team of experienced faculties, sharing views for students benefits.
- Open & healthy positive atmosphere
- Support & cooperation of Supporting Staff.
- College cultural festivals for student exposure.

**Weaknesses**

- No PG Programmes available.
- No Diploma and short term certified courses available related to Management.

**Opportunities**

- Options available to staff for Learning & teaching varied subjects.
- Practical exposure through Industrial Visits & Projects.
- Diverse batch of students belonging to various social strata, religion, language etc.

**Challenges**

- Organizing diversified workshops.
- Diverse batch of students belonging to various social strata, religion, language etc.
- Acquiring placement opportunities for students.
- Inculcating & adapting the latest corporate trends and skills into the available curriculum.
- Keeping a tab of university circulars and announcements via internet.

**Future plans of the department**

- To introduce soft skill development programmes for students to meet the demands of the changing requirement of the industry.
- Planning to have more placements for graduates & UG students.

1. **Name of the Department: DEPARTMENT OF MASS MEDIA**
  
2. **Year of establishment: 2002**
  
3. **Names of Programmes / Courses offered: UG: Bachelors of Mass Media**
  
4. **Name of Interdisciplinary courses and the department / units involved**  
 The Program BMM itself is Interdisciplinary in nature with course from other depts. like English, Political Science, I.T. designing and animation
  
5. **Annual/ semester/choice based credit system:**  
 In academic years 2009-10 and 2010-11, Semester pattern of examinations without credits. From academic year 2011-12, credit based semester and grading system of examinations.
  
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**
  
7. **Details of Course/programmes discontinued (if any) with reasons: Nil**

9. **Number of teaching posts:**

Post	Sanctioned					Filled				
	2009-10	2010-11	2011-12	2012-13	2013-14	2009-10	2010-11	2011-12	2012-13	2013-14
Assist prof	2	2	2	2	2	2	2	2	2	2

**10. Faculty profile with name, qualification, designation, specialisation (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of experience	Year
Shema Eapen	M.A.	Coordinator	English	2years of Teaching	2009-11
Richa Sharma	M.A	Coordinator	Psychology	3 Years of teaching experience	2011-13
Ms.Yashashree Datar	M.A	Coordinator	Advertising and P.R	3 years media industry & 10 months teaching	2013-14
Ms. Mohini Arora	M.A	Faculty	Advertising and P.R	3 years media industry & 10 months teaching	2013-14

**11. List of senior visiting faculty: Nil**

**12. Percentage of lectures delivered and practical classes handled (programme-wise) by temporary faculty:**

Class	F.Y.BMM.	S.Y.BMM	T.Y.BMM
Percentage	20%	20%	20%

**13. Student Teacher Ratio (Programme-wise): 30:1 (BMM)**

**14. Number of academic support staff (technical) and administrative staff: sanctioned and filled:**

- Laboratory Assistant: 01 (Sanctioned:1)
- Laboratory Attendant:02 (Sanctioned: 2)
- Peons : 06>(\*Shared by all SFC Departments.)

**15. Qualifications of teaching faculty with D.Sc./D.Litt./ Ph.D. /M.Phil./PG, etc.: Refer Q. No. 10**

**16. Number of faculty with ongoing projects from a) National b) International funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise: Nil**

17. **Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received:** Nil
18. **Research facility / centre:** NIL
19. **Publications:**
  - Smt. Poonam Singh Published one International Journal in 2012
20. **Areas of consultancy and income generated:** Nil
21. **Student projects**
  - 100% students are assigned projects as per the curriculum.
23. **Awards / recognitions received at the National and International level by:**  
Nil
24. **List of eminent academicians and scientist/visitors/alumni to the department:** Nil
25. **Seminars/ Conferences/Workshops organized and the source of funding (National / International) with details of outstanding participants, if any:**  
Nil
26. **Student profile course-wise:**

Name of the Course (refer question no. 2)	Academic Year	Applications received	Selected Male	Selected Female	Pass percentage
UG : T.Y.B.M.M.	2009-10	59	12	47	100%
	2010-11	61	20	41	100%
	2011-12	60	24	36	100%
	2012-13	61	18	43	100%
	2013-14	59	21	38	100%

**27. Diversity of students**

Name of the Course (refer question no. 2)	% of students from the College	% of students from the State	% of students from other States	% of students from other countries	Year
BMM	20	57	2	0	2009-10
BMM	30	63	0	0	2010-11
BMM	19	55	05	2	2011-12
BMM	21	60	06	0	2012-13
BMM	23	56	08	0	2013-14

**28. How many students have cleared Civil Services, Defence Services, NET, SLET, GATE and any other competitive examinations? : Nil**

**29. Student progression**

Student progression	Percentage against enrolled
UG- PG	10%
Employed	30%
Campus Selection	Nil
Other than Campus Recruitment	30%
Entrepreneur	15%

**30. Details about department infrastructural facilities available:**

- **Library:** Wide range of Reference books, Periodicals, Text books, Magazines and Movies (CDs and DVDs), etc on all topic that help students for curriculum as well as to explore knowledge of other field. Details of Books refer Annexure.
- **Internet facilities for staff and students:**
  - Facility available for students in library
  - Computer laboratory for specific period of time.
- **Class rooms with ICT facility:** Available as per requirement, LCD LapTop OHP Computers other equipments are available on sharing bases among the SFC depts.
- Student's laboratories:
  - 01 laboratory for computer and
  - dark room outsourced for photography.

**31. Number of students of the department getting financial assistance from College/ University/ Government**

- Financial Assistance in form of instalment in fee payment to students.
- Every year about 50% students receive scholarships and freeships through various government schemes amounting to Rs.25 lakhs p.a.



**32. Details of student enrichment programmes (special lectures / workshops/ seminar) with external experts.**

- Guest lecturers conducted by professionals and people from university for preparing students for their final year exams.
- Prof. Anita Mandrekar conducted lecture for T.Y BMM students on the subject “Brand Building”, Advertising in Contemporary Society and Consumer Behaviour.
- Prof. Haniff Lakdawala conducted lecture for T.Y BMM students on the subject “Media Planning and Buying.”
- Workshop and seminars conducted by industry professionals for exploring opportunities for students:
- BEEP: A social drive launched by students against use of abusive language amongst youngsters.
- Cleanliness Drive: Post Ganesh festival the beaches of Mumbai are heavily polluted students took the responsibility to clean those beaches and contributed towards creating a healthy life.
- Women Empowerment: Students have performed a street play in the College Campus for spreading awareness against domestic violence).
- WIFT (Women in Films and Televisions)

**33. Teaching methods adopted by the faculty for different programmes**

- Powerpoints presentation
- Video showcasing
- Case study solving
- Debates
- Film shoot

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

- Regular active participation of students in activities like NCC, NSS , Inter-collegiate College festival like O2 and Ray Film Festival
- Special event was organized in association with Sanctuary Magazines Solar Festival Sun Plug(2012)
- Activity participation of students in EGC program Youth exchange by University Yuva Divas (2013/14)
- Other Activities like Vanmahoutsav , Blood Donation , Beach Cleaning along Coastal Guard

**35. SWOC analysis of the department and future plans:**

**Strengths:**

- Faculty members are dedicated, qualified and cooperative
- Open and productive environment.
- Regular Entertainment programmes for students and teachers as per the course requirement.
- Inter collegiate fest organised to explore student's talent.

**Weakness**

- No PG Programmes available.
- No Diploma and short term certified courses available related to mass media.

**Opportunities**

- Providing Student internships and Co-op programs via Campus Placements.
- Variance of subjects to explore student's knowledge.
- Diversified fields available for students after their graduation.
- Allowing teachers to attend different refresher and workshops organized by other Colleges and institutes.

**Challenges**

- Coordination with visiting faculty and industrial professionals.
- Lack of availability of fulltime faculty.
- Balancing teaching quality with research.
- Acquiring placements for students.
- Coping up with innovative and latest industrial trends.

**Future plans of the department**

- Inception of new division.
- Organizing diversified workshops and seminars for students and teachers.
- Audio Visual and dark room for students.

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1. **Name of the Department: DEPARTMENT OF INFORMATION TECHNOLOGY**
2. **Year of establishment: 2001**
3. **Names of Programmes / Courses offered: UG: BSc-in Information Technology**
4. **Interdisciplinary courses started and departments involved (specify the initiation year):**  
BCIDS (Bhavan's College Interdisciplinary Studies).  
B.Sc. (IT) Dept in Association with BCIDS arranged Seminar for career in the field of System administration, IT infrastructure, Networking.(year-2011)
5. **Annual/ semester/choice based credit system:**  
In academic years 2009-10 and 2010-11, Semester pattern of examinations without credits. From academic year 2011-12, credit based semester and grading system of examinations.
6. **Participation of the department in the courses offered by other departments:**

**Staff: Ms.Harshala Chaudhari** was visiting faculty for

- BSc.Computer Science course conducted by the Department of IDOL (Institute of Distance Learning) in Year 2009

**Staff: Radha Bane** was visiting faculty for

- Computer Application in Business course conducted by the Department of BMS(Bachelors of Management Studies) in Year 2014
- Bachelor in Computer Application (BCA) course conducted by YCMOU (Yashwantrao Chavan Maharashtra Open University)
- Masters in Business Administration (MBA) course conducted by YCMOU (Yashwantrao Chavan Maharashtra Open University).

7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil

8. **Details of Course/programmes discontinued (if any) with reasons:** Nil

9. **Number of Teaching posts:**

Post	Sanctioned					Filled				
	2009	2010	2011-	2012	2013	2009	2010	2011	2012	2013
Assist prof	-10	-11	12	-13	-14	-10	-11	-12	-13	-14
	3	3	3	3	3	3	3	3	3	3

10. **Faculty profile with name, qualification, designation, specialisation (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided in the last 4 years
Ms.Harshala Chaudhari	P.G Comp. Sc. + Industrial Cerification	Coordinator	Computer	12 years + 3 years (industrial)	---
Ms.Radha Bane	M.Tech	Lecturer	Bioinformatics	5 years	
Ms.Allwina Alphonso	ME-part(I)		I.T		
Prof. Ramesh Deshpande	M. Sc.	Visiting faculty	Physics	18 years	
Ms.Sumi C.	M. Sc.	Lecturer	Computer	2 years	
Ms.Kajal Mehata	M. Sc.	Lecturer	Computer	1 year	
Ms.Shreya Chattopadhyay	MCA	Lecturer	Computer	2 years	
Ms.Purva	MS	Visiting faculty	IT	1 year	
Ms.Christina D'souza	Msc	Visiting faculty	computer	1 year	
Prof.Mahendra Mehra	ME	Visiting faculty	IT	1 year	
Mr.Richard	B.E.	Visiting faculty	IT	1year	
Mr.Sujal Shah	B.E.	Visiting faculty	Electronics	20years	
Prof. Aarati Karande	M. E.	Visiting faculty	IT	5 years	
Prof. Aanand	M. E.	Visiting faculty	Computer	12 years	

Godbole					
Mr. Aditya Desai	M.E. (I.T.), MBA	Visiting faculty	IT	5years	
Mr. Ramsagar Yadav	M. Sc.	Visiting faculty	Maths	2years	
Mr. Sandeep Mehata	M. Sc.	Visiting faculty	Maths	4years	
Ms. Hemangi Desai	M. Sc.	Visiting faculty	Maths	12years	
Mr.Harsheel Kanakia	B.E.	Visiting faculty	IT	1year	
Ms.Rupali Sawant	M.E	Visiting faculty	IT	4years	
Ms.Reena Pradhan	M.Sc	Visiting faculty	IT	1year	
Ms.Neha Dalvi	M.Sc	Visiting faculty	computer	1year	

11. List of senior visiting faculty: Refer Q. NO. 10

12. **Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty**

Class	F.Y.BSc.IT	S.Y.BSc.IT	T.Y.BSc.IT
Percentage	50%	50%	50%

13. **Student-Teacher Ratio Programme-wise**

Class	B.Sc.
Ratio	31:1

14. **Number of academic support staff (technical) and administrative staff: sanctioned and filled**

- Laboratory Assistant: 1 (Sanctioned:1)
- Laboratory Attendant:2(Sanctioned: 2)
- Peons: 06\*(Shared by all SFC Departments.)

15. **Qualifications of teaching faculty with D.Sc./D.Litt./ Ph.D. /M.Phil./PG, etc.: Refer Q. No. 10**

16. **Number of faculty with ongoing projects from a) National b) International funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise: Nil**

17. **Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received:** Nil
18. **Research facility / centre:** Nil
19. **Publications:**
- Shri.Aaditya Desai has Published 6 papers in International publications
  - Smt.Radha Bane has Published 2 papers in International publications
- Books written with ISBN numbers with details of publishers:** Nil
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:**
- 10% percentage of students has done in-house projects including inter-departmental.
  - In year 2014 90% percentage of students have done live projects in collaboration with industries / institutes
23. **Awards / recognitions received at the National and International level by:** Nil
24. **List of eminent academicians and scientists/ visitors to the department**
25. **Seminars/ Conferences/Workshops organized and the source of funding (National / International) with details of outstanding participants, if any:**  
Nil
26. **Student Profile:**

Name of the Course (refer question no. 2)	Academic Year	Applications received	Selected Male	Selected Female	Pass percentage
UG: T.Y.B.Sc.I.T.	2009-10	58	32	26	82.50%
	2010-11	56	39	17	71.43%
	2011-12	56	39	17	81.15%
	2012-13	48	25	23	85.41%
	2013-14	51	33	18	88.23%

27. **Diversity of students\*\***

Name of the Course (refer question no. 2)	Year	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
B.Sc.(IT)	2009-10	63.33	94.55	5.45	-
B.Sc.(IT)	2010-11	50.85	100	-	-
B.Sc.(IT)	2011-12	30.00	97.2	2.8	-
B.Sc.(IT)	2012-13	35.29	98.04	1.96	-
B.Sc.(IT)	2013-14	29.54	88.64	11.36	-

\*\* Engineering is another career opted by the students and cancellation takes place till semester end examinations.

28. **How many students have cleared Civil Services, Defence Services, NET, SLET, GATE and any other competitive examinations? : Nil**

29. **Student progression**

Student progression	Percentage against enrolled					
	20%	2009	2010	2011	2012	2013
UG- PG	Employed	12	10	12	30	
	Campus Selection	3 (WIPRO)			5 (WIPRO) 4 (Nokia)	
	Other than Campus Recruitment	4(Tech Mahindra) 3(Satyam) 2(Cape Gemini) 1(Patni)	6 (Wipro)	5 (Wipro)	15 (TCS)	3 (WIPRO)
	Entrepreneur					

30. **Details about department infrastructural facilities available**

**Library books: 224**

- **Internet facilities for staff and students: 50** I-5 machines (2labs) with 10 Mbps internet facility
- Class rooms with ICT facility: 4
- Students' laboratories: 2
- Research laboratories: Nil

31. **Number of students of the department getting financial assistance from College:**

- Financial Assistance in form of instalment in fee payment to students.
- Every year about 50% students receive scholarships and freeships through various government schemes amounting to Rs.25 lakhs p.a.

**32. Details of student enrichment programmes (special lectures / workshops/ seminar) with external experts.**

**Year 2009-2010**

- In Association with Computrain a Seminar was organized for the students on educational programs conducted by University of Fraser Valley (UCFV) Vancouver Canada.
- Mr. Jacob Samuel from Computrain guided the students about the Credit Transfer Program, Visa Procedure, Cost Internship available, future prospects and requirement for BCIS (Bachelor of Computer Information System), BBA program.
- CPLC is leading institute in Mumbai training students for competitive examination as well as in group discussion and personal interview and other personality assessment tools related to placements. CPLC conducted orientation and training sessions for the TYBSc.(I.T.) students in January 2010

**Field Trips**

Year	Class	Location visited	Organization
2009-10	S.Y.B.Sc.(IT)	Chandigadh-Manali	SanataBanta.com Flex Animation
2010-2011	S.Y.B.Sc.(IT)	Jabalpur, Bandhavgardh	Shaw Wallace
2011-2012	S.Y.B.Sc.(IT)	Jaipur,Agra- Bandhavagad	Network Management (Export Division ), Saral Dairy
2013-2014	S.Y.B.Sc.(IT)	Pune	e- sakal, DSK Infocomm

**33. Teaching methods adopted by the faculty for different programmes**

- Apart from Chalk and talk faculties also utilize OHP(Over Head Projector), LCD(Liquid Crystal Display), Lab Sessions(Online Lectures , Forums), educational mobile apps specially designed for easy learning.

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



- To enrich research/ inculcate research activities students are advised to take live industry projects with new product /software/technology apart for curriculum.
- Website Development: 8 students from S.Y.B.Sc (IT) class (2012) were assisting the development of College website.
- Technical Support Team: 3 Students from S.Y.B.Sc. (IT) class (2012) had worked as a technical team support for the College and YUVA 2012 and 2013 University of Mumbai, initiative.

In the year 2014 two students have developed android mobile operating system projects. Live Google Apps:

- Bolbacchan. (available on Google Apps) ([play.google.com/store/apps/details?id=com.karanvishal.bolbachhan\\_famousindianringtones](http://play.google.com/store/apps/details?id=com.karanvishal.bolbachhan_famousindianringtones))
- Passwordarc (<https://play.google.com/store/apps/details?id=com.cela.passwordarc>)
- An application to archive all passwords and storing them safely with 128 bit AES algorithm along with two different algorithms and features such as auto logout password visible timer and snapshot prevention.
- Where Am I
- Application for Mumbai Police to help Women Safety. This is a handy mobile app traces, provides current location and SOS messages to nearby police station and family members.
- Regular active participation of students in activities like NCC, NSS , Inter-collegiate College festival like O2 and Ray Film Festival
- Special event was organized in association with Sanctuary Magazines Solar Festival Sun Plug(2012)
- Activity participation of students in EGC program Youth exchange by University Yuwas Divas (2013/14)
- Other Activities like Vanmahotsav , Blood Donation , Beach Cleaning along Coastal Guard(Reports with NCC)

### 35. SWOC analysis of the department and Future plans

#### **Strengths:**

- Student Teacher Ratio: Average ratio is 1:10 which facilitates to monitors student performance moderately.
- Industry Oriented syllabus: A well designed industry oriented curriculum under credit and grade point system. Yearly syllabus review and upgradation
- Live Projects: Detail idea of coming opportunities and industrial expectations.
- Teaching Methodologies:
- Labs: 50 I-5 machines with internet facility. ICT equipped classroom.

#### **Weakness:**

- Limited Government support: more opportunities are deprived due lack/absence of the UGC grants to the Department.
- Communication Barrier: A sense of deficiency exists due to lack of proficiency in English.(Specially for the first year entrance.)
- Online opportunities e learning courses: extensive online material without authentication is available and sometimes misleading. This distracts their self learning approach.
- Competition through other parallel courses: Industry/society is lacking to distinguish the curriculum.
- Maintaining faculty skill set: Rapid syllabus upgradation makes it difficult to acquire new recruitment.

#### **Opportunities:**

- Can cater to any industry domain that requires computational support for working.
- Online self learning of emerging technology learning is possible
- Industrial certification: Encourage industrial tie up for the industrial certification for better employable youth.
- Innovations: Development of new android mobile application for the society.
- Digital/e-library Facility

#### **Challenges:**

- Skilled Staff: Attaining academic excellence at higher level and sustaining it progressively.
- Risk of losing Students: Engineering is one of the prime career opted by the students.
- Students from Socio/Economic bind, Commerce Stream: Students from diverse social background and communication skills, commerce steam are entrants to the programmes. Bridging the gap between commerce and electronics, science subjects is a challenge.

- Resource pool: To create a resource pool of socially conscious youth and imbibe value system.
- Strengthening of Alumni: Frequent job location, transitions creates a challenge to maintain alumni data.

**Future plans of the department**

- Digital/e-library Facility
- To sensitize value system in rapidly growing technology
- Industrial tie up, Certification.
- Live Classrooms.
- Networked Infrastructure.

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1. **Name of the Department: DEPARTMENT OF COMPUTER SCIENCE**
2. **Year of establishment: 1999**
3. **Names of Programmes / Courses offered:**  
 UG: B.Sc.-in Computer Science  
 P.G: M.Sc.-in Computer Science (from 2002-03 to 2007-08)
4. **Interdisciplinary courses started and departments involved (specify the initiation year): Nil**
5. **Annual/ semester/choice based credit system:**  
 In academic years 2009-10 and 2010-11, there were annual pattern of examinations in which examinations were conducted term-wise. From academic year 2011-12, semester based credit and grading system (SBCGS) of examinations is started.
6. **Participation of the department in the courses offered by other departments.**  
**Staff**
  - Prof. Rasika Vaidya Delivered a lecture on Personal and Presentation Skill development in year 2013
  - Mrs. Kajal Mehta, Ms Sumi C., Mrs. Deepika Dalci, Mr.Ajit Tambde and Ms.Poonam Singh were visiting faculty for the B.Sc.(IT) ,BMS,BMM course conducted by the Department of IT ,BMS and BMM .
  - Mrs. Krupa Kamdar had worked as visiting faculty for M.Sc.(IT) and M.Sc.(CS) in Viva College, Virar (West).
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:**

Post	Sanctioned					Filled				
	2009-10	2010-11	2011-12	2012-13	2013-14	2009-10	2010-11	2011-12	2012-13	2013-14
Assist prof	-10	-11	12	-13	-14	-10	-11	-12	-13	-14
	3	3	3	3	3	3	3	3	3	3

**10. Faculty profile with name, qualification, designation, specialisation (D.Sc./D.Litt./ Ph.D. /M.Phil. etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	Years Of Appointment
Mrs. Krupa Kamdar	M.Sc.	Coordinator	Computer Science	08	From 2011-12
Mr.Ajit Tambde	M.Tech.	Lecturer	Bio-informatics	05	From 2011-12
Ms.Poonam Singh	M.Sc.	Lecturer	Information Technology	Fresher	From 2013-14
Mrs.Sunanda Patil	M.Sc.(Maths),B.Ed, P.G.D.C.J ,, MS-A-CCIT	Visiting Lecturer	Maths	10	From 2013-14
Mr.Mahendra Mehra	M.E.	Visiting Lecturer	-	08	2013-14
Mr.Zartab Khatib	M.E.	Visiting Lecturer	-	-	2013-14
Ms.Alvina Alphonso	M.E.	Visiting Lecturer	Computer Science	Fresher	2013-14
Mrs. Kajal Mehta	MCA	Lecturer	Computer application	02	2011-12
Mr. Rajendra Chawan	M.Sc.	Lecturer	Statistics	08	2009-13
Miss.Radha Bane	M.Tech	Visiting Lecturer	Bio-informatics	04	2012-13
Mr. Rohit Kini	M.Sc., MBA	Visiting Lecturer, Software Developer	Information Technology	03	2012-13
Mr. Samuel Jacob	M.E.	Visiting Lecturer	Electronics	04	2009-12
Mrs. Deepika Dalvi	MCA	Full time Lecturer	Computer application	01	2012-13
Ms. Kanchan Dabre	B.E	Visiting Lecturer	Computers	03	2011-12
Mrs. Karuna Gutte	MCA	Visiting Lecturer	Computer Application	01	2011-12
Mr. Siddhesh Kadam	M.Sc.	Visiting Lecturer	Computer Science	06	2009-12
Mr. Mukesh Tekwani	M.Sc.	Visiting Lecturer	Physics	13	2010-12
Ms. Sumi C.	M.Sc.	Visiting Lecturer	Information Technology	01	2011-12
Ms. Ashwini Bandekar	M.Sc.	Coordinator	Computer Science	03	2009-11
Ms. Manjusha Joshi	M.E.	Full Time Lecturer	Computer Application	01	2009-11
Ms. Shreya Chattopadhyay	M.Sc.	Visiting Lecturer	Information Technology	01	2009-11

11. **List of senior visiting faculty:** Refer Q. No.10

12. **Percentage of classes taken by \*temporary faculty – programme-wise information**

Year	F.Y.B.Sc .	S.Y. B.Sc.	T.Y. B.Sc.
2009 -2010	NIL	30%	20%
2010-2011	NIL	30%	20%
2011-2012	NIL	30%	50%
2012-2013	NIL	30%	50%
2013-2014	NIL	30%	40%
2014-2015	NIL	30%	20%

13. **Student Teacher Ratio (Programme-wise)**

Class	B.Sc.
Ratio	50:1

14. **Number of academic support staff (technical) and administrative staff: sanctioned and filled**

- Laboratory Assistant: 01 (Sanctioned:01)
- Laboratory Attendant: 01 (Sanctioned: 01)
- Peons 06 (Shared by all Self Financing departments)

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

16. **Number of faculty with ongoing projects from a) National b) International funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise:** Nil

17. **Departmental projects funded by DST-FIST; DBT, ICSSR, etc.;** total grants received: Nil

18. **Research facility / centre:** Nil

19. **Publications:**

**Number of papers published in peer reviewed journals (National / International):**

- Mrs. Poonam singh has published one paper in International journal
- Mr. Ajit Tambde has presented one poster at National conference.

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**

- 40% students have done in-house projects including inter-departmental: (Admission system in VB.NET, Gymkhana in ASP.NET, Library system in java and VB.NET, Botanical Garden in ASP.NET etc.)
- 60% students are doing projects in collaboration with industries / institutes: (Flytech Airline Company in VB.NET, Optics management system in java and ASP.NET, Hospital (OPD+IPD) management system in VB.NET and java, hotel management system in java and ASP.Net etc.)

**23. Awards / recognitions received at the National and International level: Nil**

**24. List of eminent academicians and scientists/ visitors to the department: List the distinguished alumni of the department (maximum 10)**

Company Name	Name of students (alumni)
IBM	Harpreet Bains
WIPRO	Shraddha Shetty
TCS	Neha Khetan Namrata Barucha
WIPRO	Pratik Bane Aarti Mahajan Manisha Dhone
TCS	Ms. Namrata
CapGemini	Viral bahtt Nikhil tillu
heliossolutions	Radha Zaru (iphone SW developer)

**25. Seminars/ Conferences/Workshops organized and the source of funding (National / International) with details of outstanding participants, if any: Nil**

**26. Student profile course-wise: T.Y.B.Sc. (Computer Science)**

Year	Applications received	Selected			Passing %
		Male	Female	Total	
2009-2010	24	14	10	24	70.27%
2010-2011	17	9	8	17	70.83%
2011-2012	22	13	09	22	63.63%
2012-2013	29	19	10	29	41.38%
2013-2014	20	16	04	20	30%

**27. Diversity of students**

Name of the Course (refer question no. 2)	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
<b>TYBSC. CS</b>				
2014-2015	8	<b>30</b>	<b>0</b>	<b>1</b>
2013-2014	6	19	0	1
2012-2013	20	12	-	-
2011-2012	10	10	-	-
2010-2011	08	08	-	-
2009-2010	13	6	1	-

**28. How many students have cleared Civil Services, Defence Services, NET, SLET, GATE and any other competitive examinations? : Nil**

**29. Student progression**

Student progression	Percentage against enrolled
UG- PG	70%
Employed	100%
Campus Selection	30%
Other than Campus Recruitment	70%
Entrepreneur	3%

**30. Details about department infrastructural facilities available:**

- **Library** is well designed and organized as powerful learning resource for staff and students. The library is well stocked and upgraded, keeping the new curriculum in mind.
- An air-conditioned computer lab facility with Triband net-connectivity.
- Our Computer Science lab is well equipped with 20 computers.
- Our lab has all the relevant software and application which are required for academic practicals.
- Internet access on all the machines is provided for staff and students. Also, the teachers and students have to work in a particular server domain so that their browsing activity over the network is tracked.
- Class rooms with ICT facility: Projectors provided inside the classroom.
- Research laboratories: Nil



**31. Number of students of the department getting financial assistance from College:**

- Financial Assistance in form of instalment in fee payment to students.
- Every year about 50% students receive scholarships and freships through various government schemes amounting to Rs.25 lakhs p.a.

**32. Details of student enrichment programmes (special lectures / workshops/ seminar) with external experts. : Nil**

**33. Teaching methods adopted by the faculty for different programmes**

- Demonstrating the networking devices in Data Communication and Networking Subject (Third Year).
- Demonstrating the working of some live projects/ dummy projects for Project development subject (Third Year).
- Assigning different scenarios / examples for enabling the students to analysis the given system and make the system design for the same (Software Engineering subject (Second Year).
- Showing animated pictures/ characters, movies, video in Computer graphics subject (Second Year).
- Making the students solve online tutorials(E-learning)
- Teaching by Power Point Presentations.
- One OHP is shared between biotech and Computer Science department.
- Our department is having one LCD which is utilized for various presentations, seminars and other demonstration.
- Various Charts and Diagrams are developed by faculty to make students better understand the concepts.
- Time to time home assignments are given to students as it is part of their internal assessments.
- Our second year and third year students are preparing mini project come case studies as it is part of software engineering and project management concepts.
- On completion of each unit out of three units, our faculties are arranging a group discussion session in classroom where they revise the entire concepts of particular unit, and students put forward their understanding and practical approach for the concepts.
- Teachers are available for personal interaction with students for clearing their doubts and queries.
- We are also conducting question and answer session at the end of the syllabus where students can cross check their preparation for final exams.
- Internet access on all the machines is provided for students.
- Keeping presentation session by the students, thereby enabling them for developing presentation and communication skill.
- Periodically class tests are conducted as a part of their internal assessment.

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

- Regular active participation of students in activities like NCC, NSS , Inter-collegiate College festival like O2 and Ray Film Festival
- Other Activities like Vanmahotsav , Blood Donation , Beach Cleaning along Coastal Guard(Reports with NCC)

#### Staff:

- Mrs. Krupa Kamdar had participated in blood donation camp organised by College, and also various other organisation.

#### Student:

##### 2009-10

- Mr. Ankit Choudhari from F.Y. Computer Science, has won second prize in debate competition and participated in elocution and creative writing competition for talent hunt conducted in Bhavan's College.
- Mr. Ankit Choudhari from F.Y. computer science, has won first prize 'Technical tool' 'R.J.Hunt' in 'Nirman-07' conducted by SPCE.
- Mr. Ganesh from F.Y. computer science has participated in intercollegiate Kabaddi competition.
- Mr. Mahesh from F.Y. computer science has participated in intercollegiate street play competition conducted in 'Awaaz 2009'.
- Mr. Ankit Choudhari and Khitija from F.Y. computer science, have attended the Salsa Workshop and participated in inter collegiate competition 'O2 The Fest'.

##### 2010-11

- Ms. Aparna Warriar from F.Y. computer science, has participated in inter collegiate drama competitions.  
Our students participated in various telegames organized at Ruia College.
- Pallavi Chapke (S Y B Sc) won prize in Extempore.
- Our department students Pallavi Chapke(S Y B Sc), Apoorva Shukla(S Y B Sc) and Shruti Garg (S Y B Sc) participated in Debating competition and reached till semi final level.

Our SY students attended seminars on 'Cyber Crime' and 'Web Technologies and Design'.

- Mr.Yajnesh Bangera, from S Y B Sc, won a Bronze medal in judo competition conducted by Mayor's Cup.
- Mr. Vineet Palan (S Y B Sc) was selected in "Mr. University" competition conducted by 'National Institute of Event Management' NIEM as 'Final Bombay 12' this year.
- Our students participated in foot ball, volley ball and cricket matches conducted by our College.

### 2011-2013

- M r. Vikrant Arun Darveshi (F.Y.B.Sc.) had won KULPATI AWARD for “BEST WARD OF COMMND”, “BEST OF TRACKING”, “BEST NCC CADETS”
- M r. Vikrant Arun Darveshi (F.Y.B.Sc.) has attended “GUARD OF HOUNOUR (BATTALIAN)” at Churchgate.
- Ms. Priya gawade (F.Y.B.Sc.) as being an NSS volunteer had participated in cleaning of bhavan’s campus before and after the O2 Fest. She has participated in “POSTER Competition” for SUNPLUGGED, also she was acting as volunteer for the same event.
- Mr. Vinod Gamre , M r. Vikrant Arun Darveshi and Ms. Poonam Vankar (F.Y.B.Sc.) had acted as volunteer for SUNPLUGGED event.
- M r. Vikrant Arun Darveshi (F.Y.B.Sc.) had participated in various SPORTS Events such as 400m relay, 1500m running, Through put, disc through put, and also participated in College volley ball team.
- Ms. Poonam Vankar, Mr. Aniket jagtap and Mr. vinod Gamre (F.Y.B.Sc.) were NSS volunteer and they had attended NSS Camp held at Karjat (Mothe Vangaon).
- Ms. Poonam vankar (F.Y.B.Sc.) had won the “BEST CAMPPER AWARD” in rural camp organised by NSS.
- M r. Vikrant Arun Darveshi (F.Y.B.Sc.) had acted as volunteer for College festivals such as “O2-Fest” and “RAY FILM FESTIVAL” for security.
- Ms. Shushma Dhuria (F.Y.B.Sc.) had won KULPATI AWARD for “BEST TURN OUT CADET IN NCC”, she had secured “BRONZE MEDAL” in 400m relay and “SILVER MEDAL” in through put.
- Ms. Anjali Tiwari (F.Y.B.Sc.) had won the KULPATI AWARD for “BEST STUDENT”. She had also secured second prize in “RANGOLI COMPETITION”.

### 2013-14

- Mr. Pritesh Panchal (S.Y.B.Sc.) won the 2nd prize in “Debugging and programming competition” conducted by Mittal College, Malad (W).
- M r. Vikrant Arun Darveshi (S.Y.B.Sc.) had participated in “ROBOTICS WORKSHOP” organised by IIT Powai.
- Ms. Poonam Vankar, Mr. Aniket jagtap and Mr. Vinod Gamre (S.Y.B.Sc.) had attended various University events such as “SAY NO TO ALCOHOL RALLY”, “TREE PLANTATION”, “AIDS AWARENESS RALLY” and various “BLOOD DONATION CAMP” organised by Bhavan’s College.
- Ms. Jeenal Ganesh Sonaware, Ms. Chanchala Charatkar, Mr. Aniket Jagtap and Mr. Vinod Gamre had participated in “BYTE IT competition” organised by Sathye College.

- Mr. Vikrant Arun Darveshi and Ms. Shushma Dhuria (S.Y.B.Sc.) has attended various camps such as “ATC CAMP”, “SHIVAJI TRIAL TRACK CAMP”, “ARMY ATTACHMENT CAMP”, “PARCEILING CAMP”, “TSC CAMP”, “TSC/RDC CAMP”, “ATC/RDC CAMP” and various “BLOOD DONATION CAMP” organised by Bhavan’s College.
- Ms. Poonam Vankar, Mr. Aniket jagtap and Mr. Vinod Gamre (S.Y.B.Sc.) were NSS volunteer and they had attended Second NSS Camp held at Karjat (Mothe Vangaon).
- Mr. Aniket jagtap and Mr. Vinod Gamre (S.Y.B.Sc.) had also participated in “Debugging and programming competition” conducted by Mittal College, Malad (W).
- Ms. Shushma Dhuria (F.Y.B.Sc.) had won KULPATI AWARD for “BEST CADET IN NCC”.
- Ms. Poonam Vankar, Mr. Aniket jagtap, Mr. Vikrant Darveshi and Mr. vinod Gamre (S.Y.B.Sc.) as being an NSS volunteer had participated in cleaning of Bhavan’s campus before and after the O2 Fest. They have attended IDF foundation event organised by NSS.
- Ms. Vineeta Phondekar (S.Y.B.Sc.) had participated in NCC-ATC camp and had secured SILVER MEDAL dance competition. She had also participated in RALLY against “Delhi Gange Rape case”
- Ms. Poonam Vankar, Mr. Aniket Jagtap and Mr. Vinod Gamre (S.Y.B.Sc.) had also participated in “STREET PLAY AGAINST WOMEN HARASSMENT”.
- Ms. Shushma Dhuria, Mr. Vikrant darveshi, Ms. Poonam Vankar, Mr. Aniket Jagtap and Mr. Vinod Gamre (S.Y.B.Sc.) had acted as an volunteer for University event “YUVA DIVAS”
- Ms. Poonam Vankar, Mr. Aniket jagtap, Mr. Vikrant Darveshi and Mr. Vinod Gamre (S.Y.B.Sc.) had participated in “MONSOON MERATHON” at S.N. College, Bhayander (E) also they were volunteer for “FREE DENTAL CHECK UP CAMP” and “PETROLLING OF GANPATI AT JUHU BEACH” which was organised by Mumbai Police.
- Mr. Vinod Gamre (S.Y.B.Sc.) had participated in “MUMBAI UNIVERSITY TREE PLANTATION EVENT”.
- Mr. Vinod Gamre (S.Y.B.Sc.) had won the “BEST CAMPPER AWARD” in rural camp organised by NSS.
- Mr. Tejas Girkar (F.Y.B.Sc.) has participated in Baseball and Cricket tournament organised by College. He had also attended BLOOD DONATION CAMP; he had also participated in “SNEHANKIT HELPLINE” for helping blind student.
- Mr. Brijesh Patel (F.Y.B.Sc.) had participated in Interclass tournament of Football, he had also donated blood in BLOOD DONATION CAMP organised by College.

- Ms. Sangeeta Yadav and Ms. Shweta Ujale (F.Y.B.Sc.) were volunteer for BLOOD DONATION CAMP, MONSOON MERATHON, BEACH CLEANING, SNEHANKIT HELPLINE. They had also participated in RISE event organised by Kirti College, Dadar. They had performed LAZIM DANCE on 26th January 2013.
- Mr.Swapnil Sarwarkar (F.Y.B.Sc.) participated in Inter College tournament for volleyball,Baseball and Soft ball and Inter class tournament for Football and cricket.
- Mr. Rohit Khamkar (F.Y.B.Sc.) had participated in Inter College tournament for volleyball and Inter class tournament for Football and cricket.
- Mr. Gautam Yadav and Mr. Dipesh Chogale (F.Y.B.Sc.) had participated in Inter class tournament for cricket.

### 35. SWOC analysis of the department and Future plans

#### **Strengths:**

- We work in synergy.
  - Faculty members are dedicated, knowledgeable and cooperative.
- Supportive working environment with other department (BMS, BMM, IT, Biotechnology) members also

#### Engaging Students in Research/Live Projects/Network level Projects:

- Large number of students associated to College projects.
- Involving students in projects via independent study

#### **Weakness:**

- No MSc. /PHD program.
- More emphasis is on class work.
- Some sort of organisational visits need to be conducted for better understanding of career development. The organisational visits help the students to get an exposure to different industrial activities over different parts of India.

#### **Opportunities**

- Graduate Programs Enhancement.
- Providing for Student internships and Co-op programs via Campus Placements.
- Establishing of our Department website by the TY students itself.

### **Challenges**

- Increasing the number of pass out students by incorporating plans such as
  - increasing the number of class test to be taken,
  - periodically conducting parents teacher meeting,
  - Individual interaction with the students.
  
- Making provision for undertaking interactive sessions between teacher and students over the internet.

### **Future plans of the department**

- To introduce some short term certified courses to meet the demands of the changing requirements of the industry and commerce.
- Separate departmental library for students and staff.
- Planning to have more numbers of live projects for third year students.
- Guidance lecture by experts and professionals.
- To have more placement cell for graduates and under graduate students.
- To conduct seminars by various university recourse persons and subject experts.
- Planning to have local and outstation industrial visits and study tours for all students which expose the students to the real world and provide an opportunity of on-site study.
- Improving the infrastructure of the departmental lab.
- Conducting alumni meet.
- Incorporating the use of electronic media and information and communication technologies (ICT) in education (E-learning) such as:
  - Multimedia learning
  - Technology-enhanced learning (TEL)
  - Computer-based instruction (CBI)
  - Computer-based training(CBT)
  - Internet-based training (IBT)
  - Online education.
- To arrange industrial visits.

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1. **Name of the Department: DEPARTMENT OF BIOTECHNOLOGY**
2. **Year of establishment: 2002**
3. **Names of Programmes / Courses offered: UG: BSc-in Biotechnology**
4. **Interdisciplinary courses started and departments involved (specify the initiation year):**

Three Interdisciplinary courses were started by the department from year 2004-05

  - Vocational Biotechnology Certificate course for first year B.Sc.
  - Advance certificate course for second year B.Sc.
  - Diploma for third year B.Sc.
5. **Annual/ semester/choice based credit system:**

In academic years 2009-10 and 2010-11, annual pattern of examinations in which examinations are conducted term-wise. From academic year 2011-12, credit based semester and grading system of examinations.
6. **Participation of the department in the courses offered by other departments:**

**Staff: Dr.Vijay Waghmare**  
Delivered a lecture on:

  - How to prepare for NET/SLET Exams of UGC-CSIR, at Institute of Science, Fort Mumbai, (2009)
  - Protein Synthesis and Processing, at University Dept of Botany, Shivaji University, Kolhapur (Maharashtra) (2009)

**Staff: Ms. Veena Maheshwari**

  - Was visiting faculty for the Certificate and diploma and advance diploma in Biotech course conducted by the Department of \_Biotechnology.
  - Engaged lectures for M. Sc. YCMOU M.Sc. Biotech for other University, in India or abroad
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 and filled (Professors/Associate Professors/Asst. Professors)**

Post	Sanctioned					Filled				
	2009-10	2010-11	2011-12	2012-13	2013-14	2009-10	2010-11	2011-12	2012-13	2013-14
Asst. Prof	3	3	3	3	3	3	3	3	3	3

**10. Faculty profile with name, qualification, designation, specialisation (D.Sc./D.Litt./ Ph.D./M.Phil., etc.)**

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students guided in the last 4 years
Dr. Vijay Waghmare	M.Sc. Ph.D. NET-JRF., SET	Assist Prof	Botany	10	-
Mrs. Veena Maheshwari	M.Sc. PAT (University Mumbai)	Assist Prof	Microbiology	10	-
Dr. (Mrs) Gayathri Narayan (Resigned 2013)	M.Sc. Ph.D.	Assist Prof	Zoology	06	-
Mr. Akshy Rane	M.Sc.	Assist Prof	Zoology	03	-
Ms. Jyoti Gowada	M.Sc.	Assist Prof (Visiting Faculty)	Genetics	02	-

**11. List of senior visiting faculty: Nil**

**12. Percentage of classes taken by temporary faculty – programme-wise information**

Class	F.Y. B.Sc.	S.Y. B.Sc.	T.Y. B.Sc.
Percentage	35%	25%	25%

**13. Student Teacher Ratio (Programme-wise)**

Class	B.Sc. (Biotechnology)
Ratio	31:1



14. **Number of academic support staff (technical) and administrative staff: sanctioned and filled:**
  - Laboratory Assistant: 01 (Sanctioned:01)
  - Laboratory Attendant:02 (Sanctioned: 02 )
  - Peons : 01
  
15. **Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG.: Refer Question No. 10**
  
16. **Number of faculty with ongoing projects from a) National b) International funding agencies and c) Total grants received. Mention names of funding agencies and grants received project-wise: Nil**
  
17. **Departmental projects funded by DST-FIST; DBT, ICSSR, etc. total grants received: Nil**
  
18. **Research facility / centre: Nil**
  
19. **Publications:**  
**Number of papers published in peer reviewed journals (National / International):**
  - Dr.Vijay Waghmare published two papers in International and one paper in National journal.
  - Dr.Gayatri Narayan published two papers in National Journal.
  
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:**  
100% of students participate in assignments on the subjects in the form of projects submitted towards internal assessment as a part of their course work at all levels at the U.G. Program.
  
23. **Awards / recognitions received at the National and International level by:**
  - Veena Maheshwari won award “Sajjan Gupta Konark Memorial ” for poster presentation on Screening of cellulose producers for hydrolysis of pretreated cellulosic biomass to obtain fermentable sugars Dec 2012

**24. List of eminent academicians and scientist/visitors/alumni to the department.**

- Mr.Mihir Trivedi: Deputy Manager, Key Accounts, Essilor India Pvt.Ltd.
- Mr.Rohan Patil : Senior Business Manager, Eduloid
- Mr.Vaibhav Sarangale:Analyst, Evalon Global Research
- Mr.Laukik Shetye: Asst.Prof.R.D.National College

**25. Seminars/ Conferences/Workshops organized and the source of funding (National / International) with details of outstanding participants, if any:**  
 Nil

**26. Student profile course-wise:**

Name of the Course (refer question no. 2)	Academic Year	Applications received	Selected	Pass percentage
U.G.B.Sc. Biotechnology	2011-12	30	27	89%
	2012-13	35	30	87%
	2013-14	36	33	88%

**27. Diversity of students:**

Name of the Course (refer question no. 2)	% of students from the College	% of students from the State	% of students from other States	% of students from other countries
Biotechnology	60%	90%	10%	0%

**28. How many students have cleared Civil Services, Defence Services, NET, SLET, GATE and any other competitive examinations? : Three**

- Mr. Sadanand Mayekar, CSIR-NET-JRF
- Ms. Neha Sawant, CSIR-NET-JRF
- Ms. Rashmi Rao, CSIR-NET-JRF

**29. Student progression**

Student progression	Percentage against enrolled
UG- PG	33%
Employed	67%
Campus Selection	Nil
Other than Campus Recruitment	67%

Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:

- Mrs. Gayathri Narayan 2011-12 (Ph.D.)
- Mr.Vijay Waghmare 2012-13 (Ph.D.)

- 30. Details about department infrastructural facilities available:**
- Library: common library used by students with 394 Books
  - Internet facilities for staff and students: Available in College Library
  - Central Facility in Computer Science Laboratory and Library
  - Class rooms with ICT facility: One
  - Students' laboratories: Two
  - Research laboratories: No
- 31. Number of students of the department getting financial assistance from College:**
- Financial Assistance in form of instalment in fee payment to students.
  - Every year about 50% students receive scholarships and freeships through various government schemes amounting to Rs.25 lakhs p.a.
- 32. Give details of student enrichment programmes (special lectures / workshops/ seminar) with external experts.**
- Organized Guest Lecture from (Dr. Minakshi, Mithibai College/ for Practical on: Fruit Carving
  - Organized Guest Lecture: Pearl Culture, Prof. Manwani, Ulhasnagar, Thane
  - Conducted a field trip for the students of the Biotechnology Department to JIVAS, Bangalore January-2009 and January-2010
- 33. Teaching methods adopted by the faculty for different programmes**
- Prepared Academic calendar, teaching plan, evaluation blue print, departmental meetings
  - Chalk & Board/ Using Models & working Instruments:
  - Verbal Instructions and practical demonstration wherever required to small group of students
  - Use of double helical model of DNA to explain the structure.
  - Use of 3D Model of Translation components of protein synthesis to explain the process.
  - Demonstrating the working of Bio-analytical Instruments to F.Y. / S.Y. /T.Y. B.Sc. Students
  - Use of Power Point presentation for F.Y. / S.Y. /T.Y. B.Sc. lectures
- 34. Participation in Institutional Social Responsibility (ISR) and Extension activities**

- Regular active participation of students in activities like NCC, NSS, Inter-collegiate College festival like O2 and Ray Film Festival
- Special event was organized in association with Sanctuary Mazines Solar Festival Sun Plug (2012)
- Activity participation of students in EGC program Youth exchange by University Yuwa Divas (2013/14)
- Other Activities like Vanmahotsav, Blood Donation , Beach Cleaning along Coastal Guard(Reports with NCC)
- Bhandup Village, Mahanagar Palika, Marathi School, Event : Science Exhibition for School Students (Mumbai 23<sup>rd</sup> Feb.2012); Donated a handmade working model prepared by Mr.Akshay N.Kamtekar , Pankaj V.Jadhav and Mr.Pratik M.Bagkar on “Global warming- Reasons and Problems” to students , for Science Exhibition and its explanation and working.
- Mr.Akshay N.Kamtekar, Pankaj V.Jadhav and Mr.Pratik M.Bagkar attended ‘Jago young India 2012 Campaign’ organised by IES Management College and Research Centre.
- Mr.Akshay N.Kamtekar, Pankaj V.Jadhav and Mr.Pratik M.Bagkar presented research poster and Oral presentation on ‘Generation of Electricity and Ethanol Production from Sugarcane Bagasse’ in Avishkar on 4<sup>th</sup> Jan.2014.
- Mr.Akshay N.Kamtekar, Pankaj V.Jadhav and Mr.Pratik M.Bagkar presented research poster on ‘Study of Physico-Chemical Parameters of Bhavan’s Lake’ in Jigyasa -2012 (Mumbai 27-28 July 2012).
- Mr.Akshay N.Kamtekar , Pankaj V.Jadhav and Mr.Pratik M.Bagkar presented papers on ‘Generation of Electricity and Ethanol Ethanol Production from Sugarcane Bagasse’ and on ‘Water Quality Assessment by Bio-Monitoring’ in National Conference on Future Prospects of Biosciences.

### **35. SWOC analysis of the department and Future plans**

#### **Strengths:**

- Well qualified staff members
- Well developed infrastructure
- Unity in coordination
- Good class of students,
- Good support from the management and Principal’s Office.

#### **Weakness:**

- Absence of Post Graduation
- No Research Laboratory

**Opportunities:**

- Start with the PG Section
- Generation of funds through research grants
- Collaboration with Industries
- Generation of HR department.

**Challenges:**

- Challenges in acquiring the above opportunities
- To Establish High Class research laboratory

**Future plans of the department:**

- Our mission is to encourage maximum number of students to pursue higher qualifications like M.Sc. and Ph. D and to prepare them for this highly growing field of Biotechnology and help them to canalize their efforts into right direction and to successfully contribute to the Nation in quality education movement of providing talented personalities in academics and research field.
- To Develop the Department to provide Research level activities, we are planning to establish the laboratory to carry out several projects from DBT. UGC. CSIR. Government establishment and Corporate world.

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