

**EVALUATIVE REPORT OF THE DEPARTMENT**  
**DEPARTMENT OF CHEMISTRY**

1. **Name of the Department & its Year of Establishment** : Department of Chemistry  
: 1959
2. **Names of Programmes** : B.Sc Chemistry  
B.Sc Chemistry/Biochemistry(3units)  
M.Sc Chemistry (Physical,  
Inorganic, Organic, analytical)  
Ph.D in Chemistry
3. **Inter disciplinary courses and departments involved** : B.Sc:Chemistry/Biochemistry(3units)
4. **Annual/Semester/ Choice based credit system** : Choice based credit system
5. **Participation of the department in the courses offered by other departments** : Environmental Science (M.Sc)  
Zoology (M.Sc)  
Microbiology(M.Sc)

6. **Number of teaching posts sanctioned and filled:**

	Sanctioned	Filled
Professor	--	Nil
Associate Professor	24	08
Assistant Professor		16

7. **Faculty Profile:**

Name	Qualification	Designation	Specialisation	No.of years of experience	No. of Ph.D Students guided in last 4years
Mrs.Nutan D. Navelkar	M.Sc ,M.Phil	Assoc. Prof	Inorganic	36	--
Mrs. Madhavi C.Kate	M.Sc	Assoc. Prof	Inorganic	30	--
Dr.(Ms.) Bhanu Raman	M.Sc Ph.D	Assoc. Prof	Analytical	29	2(compl.) 6(ongoing)
Dr.(Mrs.) Kalpana P. Naik	M.Sc Ph.D	Assoc. Prof	Physical	29	--

Dr.(Mrs.) Pradnya. J.Prabhu	M.Sc Ph.D	Assoc. Prof	Analytical	25	3 (ongoing)
Dr. Bright O'Philip	M.Sc Ph.D	Assoc. Prof	Organic	23	--
Dr.(Ms.) Sugandha S.Shetye	M.Sc Ph.D	Assoc. Prof	Physical	25	4(ongoing)
Dr.(Mrs.) Chitra R.Kamath	M.Sc Ph.D	Assoc. Prof	Organic	19	5(ongoing)
Dr.(Mrs.) Veena L.Khilnani	M.Sc Ph.D	Asst. Prof.	Organic	13	--
Dr.(Mrs.) Chandana Basu	M.Sc Ph.D	Asst. Prof.	Physical	11	--
Dr.(Mrs.) Nishamol Kanat	M.Sc M.Phil Ph.D	Asst. Prof.	Physical	11	--
Dr. Yogesh V. Ghalsasi	M.Sc Ph.D	Asst. Prof.	Analytical	11	--
Dr.(Mrs.) Vanita S. Kulkarni	M.Sc Ph.D	Asst. Prof.	Physical	26	--
Mr. Saurabh A, Shete	M.Sc SET	Asst. Prof.	Organic	01	--
Ms.Preksha Jain	M.Sc. NET	Asst. Prof.	Inorganic	02 months	--
Dr.Rohit Singh Chauhan	M.Sc. Ph.D.	Asst. Prof.	Organic	02 months	--
Dr.Trupti Tawde	M.Sc. Ph.D.	Asst. Prof.	Organic	02 months	--
Mr.Aniket Pawanoji	M.Sc. Ph.D.	Asst. Prof.	Organic	02 months	--
Mr.Yadav Dilip Kumar	M.Sc., NET GATE	Asst. Prof.	Organic	02 months	--
Mr.Afsar Ali Siddiki	M.Sc. SET	Asst. Prof.	Inorganic	02 months	--
Mr.Mithun Mondal	M.Sc. NET	Asst. Prof.	Organic	02 months	--
Mr.Nanabhau B.Karanjule	M.Sc. NET	Asst. Prof.	Organic	02 months	--

Mr.Avinash m.Pardhi	M.Sc. NET	Asst. Prof.	Physical	02 months	--
Mr.Wable Jaidip Babasaheb	M.Sc. NET	Asst. Prof.	Organic	02 months	--

**8. Percentage of classes taken by temporary faculty- program-wise information**

Program	% Classes taken by Temporary Faculty
F.Y.B.Sc	25%
S.Y.B.Sc	Nil
T.Y.B.Sc	Nil

**9. Program wise Student Teacher Ratio**

Program	Student- Teacher Ratio
F.Y.B.Sc	1:20
S.Y.B.Sc	1:20
T.Y.B.Sc	1:20

**10. Number of Academic support staff(technical) and administrative staff**

Store Keeper	Nil
Lab. Asst.	03
Lab. Attendent	16
Peon	02

**11. Number of faculty with ongoing projects from a) national b) international funding agencies c) total grants received**

Name of the project	Duration Year	Name of the funding agency	Total Grant sanctioned	Received
Major projects	–	-	-	-
Minor projects	2013-2015	Univ of Mumbai	Rs. 77,800/	Rs. 77,800/
	(01)	UGC	Rs. 70,000/	Rs. 70,000/
	2014-2015	Univ of Mumbai	Rs. 80,000/	Rs. 55,000/
			Rs.40,000/-	Rs.40,000/-
<b>Total</b>			<b>Rs. 8,83,800/</b>	<b>Rs.8,38,800/</b>

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

Received grant of Rs.90,00,000/- under DST-FIST and  
Rs. 11,00,000/- under Star DBT

**13. Research facility /Centre with :**

- **State recognition: (University recognized Post Graduate labs for M.Sc. and Ph.D. courses)**
- **National recognition** : N.A.
- **International recognition** : N.A.

**14. Publications**

- Number of papers published in peer reviewed journals National-13  
International-19
- Monographs: 01
- Chapters in books: 23
- Editing in Books : --
- Books with ISBN numbers with detail of publishers: 12
- Sheth Publications : 10
- Himalaya Publications : 02
- Number listed in International database : nil
- Citation Index: N.A.
- SNIP: N.A.
- SJR: N.A.
- Impact factor: 1.5 -2.5
- H-Index: 0-1

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

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

**17. Faculty recharging strategies:** Orientation courses, refresher courses, workshops, seminars for faculty members.

**18. Student Projects**

Year	Class	In-house	Industrial
2014-15	FYBSc	20%	nil
2014-15	SYBSc	10%	nil
2010-11 to 2012-13	MSc	25%	75%



**19. Awards / Recognition received at the national and international level by**

**2010-11**

**Dr. Bhanu Raman**

**Dr.P.D.Sethi Annual award 2010** Awarded certificate of merit for the research paper in pharmaceutical analysis.(National)

**2011-12**

**Dr.P.D.Sethi Annual award 2011** Awarded certificates of merit for two research papers in pharmaceutical analysis published during the year. (National)

**2012-13**

Awarded Third prize in Poster Presentation in Two day National seminar on Recent Advances in Analytical Techniques held in Birla college of Arts, Science and Commerce held on 24-25 August 2012 .(National)

**2013-14**

Recipient of **Best Presentation Award** for presentation of research paper in one of the sessions in 6<sup>th</sup> International Congress of Chemistry and Environment held at Antwerp, Belgium from 8-10 July, 2013. (International)

**2014-15**

Received **Chairman's Award for research projects** from Somaiya Management on 9<sup>th</sup> Sept 2014 on the occasion of Foundation day of Somaiya Vidyavihar.(Local)

Rashi Gupta- 2012-13- Selected for National Initiative in Undergraduate Science- Chemistry

**20. Seminars/Conferences/ Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any.**

<b>Date</b>	<b>Resource person</b>	<b>Event Organized</b>
26/6/2010	Mrs.Abha Dhomane Mrs.Beena Arora Dr.Ravi Deshmukh Mrs.Nutan Navelkar Dr.J.K.Verma	Workshop – revised syllabus Inorganic Chemistry
13-14 Aug., 2010	Dr.Venugopal & Dr.A.V. R.Reddy Dr.Mrs.Veena Sagar	Workshop on Radiochemistry

6-8 Sept., 2011	Dr.A.K.Tyagi , Dr.S.M.Yusuf Dr. B.H.Mehta, Dr. R.P.Patil Dr.Evans Cautinho, Dr.V.S.Darshane Dr.S.S.Garje Dr.S.R.Dharwadkar Dr.Z.R.Turel	Abhyas Mahotsav
22/06/2011	Dr.Ashok Gadre Dr.Sadanand Dharap Dr.B.S.Shanbhag	Workshop-Choice Based Credit Sys. In subject of Chemistry
1-3 Dec., 2011	Prof.M.M.Sharma Dr.Prabodh Chobe Prof.G.D.Yadav	Commemoration of International Year of Chemistry, 2011 at the K.J.Somaiya College of Science and Commerce
2011	Postgraduate students and Faculty	amalgam
6 <sup>th</sup> -7 <sup>th</sup> Jan 2012	Undergraduate students of Faculty	Rasayan 2012
26 <sup>th</sup> Nov- 5 <sup>th</sup> Dec 2013	Mrs. S.P Vaidya Dr.S.S.Garje Dr.Z.R.Turel Dr.Raghunath Acharya Dr.A.K.Srivastava Dr.Atul Bedekar Mrs.P.V.Barve	Lecture Series
13-14 <sup>th</sup> Dec'2013	Dr. B.M. Mehta Dr.Geeta Nair Dr. Meena B.Mehta Dr. Rajiv Dixit Dr. Aart Sawant Dr. Vishnu Ajgaonkar	Abhyas Mahotsav
6-9th December 2013	Prof. R.T.Sane Director G N Khalsa Institute of Research and Development	Learn From Stalwarts - Lecture series

10-11th December	Dr. Priyadarshini Karve, Director, Samuchit ENvirotech and Mr. Timothy Reber, Cornell University	Workshop on Rural sustainability Immersion Program
8 <sup>th</sup> Jan, 2014	Prof. Stefan Neumann:	“Application and synthesis of Cyclodextrins”
10 <sup>th</sup> Jan 2014	Dr. G.C. Kulkarni (Wadia college, Pune) Dr. Thatte (Ferguson College, Pune)	Workshop on Micro scale Testing

## 21. Admissions profile

### 2014-2015

Name of the Course (refer question no. 2)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
UG	2077	257	401	Please refer Annexure	
PG	191	54	74		
Ph.D.	--	--	1		

### 2015-2016

Name of the Course (refer question no. 2)	Applications received	Selected	
		Male	Female
UG	2362	303	502
PG	330	76	103
Ph.D.	--	--	--

**22. Diversity of Students:**

Name of the course	% of students From the college	% of students from the state	% of students from other state	% of students from other countries
UG	60%	35%	5%	Nil
PG	30%	60%	10%	Nil
Ph.D	50%	40%	10%	Nil

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

Examination	Number of students clearing the examination	Names of the students
NET (LS)	2	Dr. DrumanUtekar Mr. Yash Panjabi
GATE	1	Mr. ManojGavali

**24. Student Progression**

Student progression	Percentage against enrolled
UG to PG	50 %
PG to M.Phil	Nil
Ph.D to Post-Doctoral	2 %
Employed	
• Campus Selection	20 %
• Other than Campus Recruitment	65 %
Entrepreneurs	Nil

**25. Diversity of Staff**

Percentage of faculty who are graduates	
Of the same parent university	57.14%
From other universities within the states	14.20%
From other universities from other states	28.66%

**26. Number of faculty who were awarded Ph.D, D.Sc. and D.Litt during the assessment period- NIL**

**27. Present details about the infrastructural facility**

- a) library – Departmental Library with 396 books
- b) Internet facility for staff and students - available
- c) Total number of class rooms - 01
- d) Classrooms with ICT facility - available
- e) Student's laboratories - 07
- f) Research laboratories - 03 with one instrumentation room

**28. Number of students of the department getting financial assistance from college - Mini projects of undergraduate students get financial assist from college**

**29. Was any need assessment exercise under taken before the development of new programme? :**

Certificate Course in the Laboratory techniques (CCLT) was conceived based on the assessment done for undergraduate students. It was observed through the assessment that students lack basic understanding and usage of the simple laboratory techniques. In view of this the new course comprising of interdisciplinary nature imparting basic training in laboratory techniques was formulated.

**If so give the methodology:** A short MCQ test was conducted about basic working in the laboratory.

**30. Does the department obtain feedback from –(Feed back was taken at the college level)**

- a) Faculty on curriculum as well as teaching-learning evaluation ? If yes, how does the department utilize it?,  
While revising the syllabus for undergraduate classes, syllabus committees were constituted comprising of faculty, alumni and subject experts from various colleges and industries.
- b) Students on staff, curriculum as well as teaching-learning evaluation and what is the response of the department to the same?  
Regular & bright students were involved in the syllabus framing.  
Feedback of students is taken on teaching.
- c) Alumni and employers on the programmes and what is the response of the department to the same?  
Eminent alumni and employers from various academic institutions and industries were invited on the Board of Syllabus Committee.

**31. List of distinguished Alumni (max):**

- Dr. Ranjan Mogre –Director, Analytical solutions.
- Dr. Rajiv Dikshit
- Mr. Raymond Ramrajkar-Director, premier colorscan Instruments
- Mr. Kishor s. Lad ,Manager, standard & Chartered Bank Pvt.Ltd .
- Mr. Sydney D’Silva- Asst. Commissioner, customs & central
- Captain Swaminathan
- Dr. Sunil Dhuri
- Dr. Nagrajan Kirthivasan.
- Dr. Ganesh Naik- post Doctorate
- Dr. Nisehal singh- PhD Syracuse university ,USA
- Dr. Niranjan Deshpande, Team leader, Cipla.

**32. Student Enrichment programs:**

- Workshops on yoga, positive thinking and mental health organization of lecture series on spectral topics for M.Sc./ S.Y.B.Sc. student – Abhyas mahotsav.
- Organization of workshop on safety measures in chemistry laboratory – For UG student
- Microscale Techniques in chemistry Lab.
- Training for NET-SET examination
- Visits to leading Research Institutions in Mumbai –IIT Bombay , BARC, TIFR.
- Organization of chemistry Fest- Rasayan
- Chem-vista , power point presentations form UG/PG students.
- Celebration of international year of Chemistry 2011.
- Introduction of Microscale techniques in practicals.

**33. List of Teaching Methods adopted by the faculty:**

- YouTube-videos-sharing on Face book,
- Power point presentation
- OHP
- Chalk –Talk method.
- Quiz – Problem Solving

**34. How does department ensures that program objective are constantly met & learning outcomes monitored:**

- Continuous Internal Evaluation –midsem tests and home assignments.
- Project work, presentation
- poster presentation of Internal evaluation for M.Sc. students
- Viva- voce in practicals
- Teacher’s Diary.

- 35. Student / Teacher participants in Extension activities:**
- Mrs. Nutan Navelkar – Innovative Add-on Courses.
  - Dr. Bright Philip- DLLE Program, University of member
  - Dr. Sugandha Shetye – Course Coordinator, M.Sc Environmental Science, Dean – Academics
  - Dr. Chitra Kamath - Convener- Award Committee - Alumni Association
  - Dr. Vanita Kulkarni- Co-ordinator NCC- Autonomous Program
  - Dr. Yogesh Ghalsasi- Co-ordinator Coping up skills and CCLT
  - Dr. Chandana Basu- Exam Committee member
  - Dr. Pradnya Prabhu- Vice Principal, IQAC Co-ordinator, Information Cell, Star College Scheme Co-ordinator
  - Dr. Veena Khilnani – Co-ordinator Short term course on Research methodology
- 36. Give details of “beyond syllabus scholarly activities” of the department.**  
Mini projects to students  
Industrial Visits  
Invited talks  
Paper and Poster presentations
- 37. State whether the programme / dept. is accredited/graded by other agencies. Give details.** N.A.
- 38. Detail any five strengths, Weakness, Opportunities and Challenges (SWOC) of the department**
- Strengths :**
- The Department is strongly student centered and focused.
  - Highly qualified, experienced and dedicated cadre of full-time, teacher assistants and adjunct faculty.
  - The department has very active alumni.
  - Department is well connected and supported by its retired faculty.
  - The department is recognized as a leader in the programs it delivers.
- Weakness:**
- High student strength.
  - Space constraint for PG.
- Opportunities:**
- Many faculties have the expertise and ability to secure grant/funding.
  - To strengthen Alumni Association

- More Campus placement

**Threats:**

- External threats, changing priorities and limited can potentially create internal tensions over limited resources.

**39. Future plans of the department**

- Consultancy for research
- Increase in Experiential learning opportunities
- Reviewing of post graduate syllabus under autonomy.
- To start application based short term courses



## **DEPARTMENT OF BIOCHEMISTRY**

- Name of the Department & its year of establishment** : Biochemistry Department, 1989
- Name of the Programmes / Courses offered** : T.Y.BSc (3 units) One Year Bachelor of Science Degree. Two Year Master of Science degree.
- Interdisciplinary courses and departments involved** : Chemistry, Microbiology(3units) (undergraduate programmes)
- Semester Based Credit System** : Yes.
- Participation of the department in the courses offered by other departments:** Nil
- Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors) :**

	<b>Sanctioned</b>	<b>Filled</b>
Professor	Nil	Nil
Associate Professor	02	01
Assistant Professor		02

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

Name	Qualification	Designation	Specialization	No.of Yrs of Experience
Dr. Samidha Pawaskar	Ph.D, Msc.,	Associate Professor	Biochemistry	25 years & continue
Ms.Heena Shah	M.Sc. NET	Assistant Professor	Biochemistry	Newly joined
Dr.Ketan Ranade	M.Sc. Ph.D.	Assistant Professor	Biochemistry	2 months

- Percentage of classes taken by temporary faculty – programme-wise information:** approximately 25.0%

9. **Programme-wise Student Teacher Ratio :-** T.Y.BSc – 20:1  
MSc – 20:1

10. **No.of administrative Staff :**

	<b>Sanctioned</b>	<b>Filled</b>
Lab Assistant	01	01
Lab Attendent	01	Nil
Peon	01	01

11. **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
12. **Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received**  
Received grant of Rs.90,00,000/- under DST-FIST and  
Rs. 11,00,000/- under Star DBT
13. **Research facility / centre with**
- **state recognition :- Nil**
  - **national recognition :- Nil**
  - **international recognition :- Nil**
14. **Publications : Books with ISBN numbers with details of publishers : number of papers published in peer reviewed journals (national / international) :- 01**
- **Monographs :- Nil**
  - **Chapter(s) in Books :- Nil**
  - **Editing Books :- Nil**
  - **Books with ISBN numbers with details of publishers :- NA**
  - **Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)**
  - **Citation Index – range / average - N.A.**
  - **SNIP N.A.**
  - **SJR N.A.**
  - **Impact factor – range / average - 1.0**
  - **h-index N.A.**
15. **Details of patents and income generated** Nil

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

- Department has signed an MOU with Nirmala Niketan college of Home Science, Papers (PSHSIB101 & PSHSIB201) in M.Sc. Home science certificate course in ‘**Food Processing and Preservation**’ (1<sup>st</sup> Course) and Papers (PSHSIC101 & PSHSIC201) in M.Sc. Home science certificate course in ‘**Sports Nutrition**’ (2<sup>nd</sup> Course) namely - ‘Research methods and statistics’ for CHSNN M.Sc students will be taught by the Department of Biochemistry of K. J. Somaiya college of Science & Comm.
- Department has carried out an microbiological analysis of food product i.e, packed sugarcane juice of Godavari biorefineries ltd.
- Department has checked the potability of water sample of Ghatkopar Raji Co-operative society.

**17. Faculty recharging strategies**

The Faculty of the department participates in Seminars and Workshops organized by the College.

Dr. S.M.Pawaskar attended a short term course on Contemporary strategies for teaching and evaluation conducted by UGC Academic Staff College from 9<sup>th</sup> March’2015 to 14<sup>th</sup> March ‘2015.

**18. Student projects**

- **percentage of students who have done in-house projects including inter-departmental** 21%
- **percentage of students doing projects in collaboration with industries / institutes** 79%

**19. Awards / recognitions received at the national and international level by**

- **Faculty** Ms.Jyoti Mishra received an Inspire fellowship from DST
- **Doctoral / post doctoral fellows :-** 01 (Ms.Jyoti Mishra)
- **Students :-** Nil

**20. Seminars / workshops / conferences / popular lectures series organized by the department :**

**i) Alumni Meet**

- An interactive talk on ‘**Taking up management studies after graduation / post graduation in Biological Sciences**’ was conducted in the department of Biochemistry by **Ms. Himani Chawhan** on 3<sup>rd</sup> July’14.

- An interactive talk on ‘**Career in Clinical Research**’ was conducted in the department of Biochemistry by **Ms. Pooja Dalvi** on 5<sup>th</sup> July’14.

**ii) Electrophoresis workshop -**

A workshop on electrophoresis was organized by Biochemistry department for post graduate students on 3<sup>rd</sup> December, 2014 by Mrs. Yogita Narvekar.

**iii) One day workshop / hands on training program.**

One day workshop / hands on training program on “Analytical techniques used in Biochemical & Nutritional Research” was organised by the Biochemistry department on 16<sup>th</sup> February’2015 for the M.Sc. in Nutrition & Dietetics students of Nirmala Niketan college of Home Science, Mumbai.

**iv) Abhyas Mahotsav**

Abhyas Mahotsav was organized by department of Biochemistry from 2<sup>nd</sup> to 5<sup>th</sup> February, 2015 in which 12 lectures on various topics were conducted by eminent scientists, academicians and doctors.

- v) Following seminars were organized by Dr. S. M. Pawaskar as a convener of seminar workshop committee “Nutrition in Stress Management” by Ms. Nazneen Husein on 2<sup>nd</sup> December,2014.

“Applications of Bioinformatics softwares used in Biological Sciences” by Mr. Naveen Padmadas on 11<sup>th</sup> December, 2014.

**21. Students profile – academic year**

**2014-2015**

Name of the course	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
UG	--	5	17	100	100
PG	42	04	16	100	100

**2015-2016**

Name of the course	Applications received	Selected	
		Male	Female
UG	--	11	29
PG	68	05	22
Ph.D.	--	-	1

**22. Diversity of Students:**

Name of the course	% of students From the college	% of students from the state	% of students from other state	% of students from other countries
UG	60%	35%	5%	Nil
PG	30%	60%	10%	Nil
Ph.D	50%	40%	10%	Nil

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

1. NET - Mr. Vikas Trivedi
2. GATE - Ms. Saeema Khan  
Ms. Dhanashree Amane
3. PET - Ms. Jyoti Mishra  
Mr. Ankur Yadav  
Ms. Khushbu Modi

**24. Student progression :**

Students Progression	Percentage
UG to PG	64.4%
PG to M.Phil	Nil
PG to Phd	5.4%
Employed	75.67%
entrepreneurs	2.7%

**25. Diversity of staff –**

Percentage of faculty who are graduates of the same parent University:  
100 %

**26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period . - Dr. Samidha Pawsakar in 2012 by the University of Mumbai.**

**27. Present details about infrastructural facilities**

- a. **Library:** The department has about 80 reference books and 152 research projects in the Department

- b. **Internet facilities for staff and students:** One computer and a mini think pad (laptop) with internet connection available to the faculty. The students use the common facility.
  - c. **Total number of class rooms:** 01
  - d. **Class rooms with ICT facility:** Nil .
  - e. **Students' laboratories :** 01
  - f. **Research laboratories:** Nil
28. **No. of students getting financial assistance from College** Nil
29. **Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.** Nil
30. **Does the department obtain feedback from**
- a. **faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?**  
The design of the courses and the framing of the syllabi are done by the faculty together. Regular meetings are held in the department to discuss and review this. Oral discussions with the students are also done. The faculty member of the department are also on the Board of Study of Biochemistry. Hence the curriculum is constantly being reviewed for relevance.
  - b. **students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?**  
The questionnaires administered by the College give valuable feedback from students to each teacher.
  - c. **alumni and employers on the programmes and what is the response of the department to the same?** Nil
31. **List the distinguished alumni of the department (maximum 10)**
- Ms. Smita Sivaram working as Medical Liasor in IN, Chicago
  - Mr.Satish Gupta working as Lead Auditor at Bureau Veritas Certification.
32. **Details of student enrichment programmes(special lectures /workshops / seminars) with external expert.**  
The students are encouraged to participate in various Inter- Collegiate Competitions and have done so with distinction.

**33. List the 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
- Field visit.

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

- Students feedback report(Orally).
- Continuous Internal Assessment
- Classroom seminar sessions
- Regular department meetings of faculty.

**35. Highlight the participation of students and faculty in extension activities.**

Department of Biochemistry organized its annual festival ‘Health Fair – Food Fest’ on 8<sup>th</sup> August‘2015 with an aim to spread health and nutrition awareness among the youth. 201 students from twenty (20) different colleges (both senior and junior) of biological and chemical sciences participated in various competitions organized as a part of this event.

**36. Give details of “beyond syllabus scholarly activities” of the department.**

- Participation in various Inter-collegiate competitions by our students.
- Paper presentation by faculty at state, national and international level.
- Faculty participation in various seminars and workshops.

**37. State whether the programme / dept. is accredited/graded by other agencies. Give details.** No.

**38. Detail any five: Strengths Weaknesses Opportunities Challenges (SWOC)**

**Strength :-** Dedicated Staff , Interested Students, upliftment of the socio-economically weaker students, participation of the students in inter-collegiate competition.

**Weakness:-** Inadequate Infrastructure, Time constraint

**Opportunities:-** To conduct cross-faculty courses. Collaboration with other Colleges, Industries ,Hospitals and Research Institute.

**Challenges:-** To increase the consultancy in the department. Development of collaborative research work with industries.

**39. Future plans of the dept.**

- Organizing Industries Academia meet
- Organizing Internship for students in Industries, Research Institute, Hospitals.
- Conducting Career oriented courses in collaboration with Industries
- Knowledge and application based learning programme
- introduction of (6mths to one year) diploma courses



### **DEPARTMENT OF BOTANY**

1. **Name of the Department & its Year of establishment.** : Botany, 1960
2. **Names of Programmes/ Courses offered(UG,PG,Ph.D.,etc.)** : Undergraduate  
Postgraduate
3. **Interdisciplinary courses and departments involved** : NA
4. **Annual/ semester/choice based credit system** : Semester based credit system
5. **Participation of the department in the courses offered by other departments** : Nil

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

	Sanctioned	Filled
Professor	0	0
Associate Professor	7	2
Assistant Professor		5

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

Name	Qualification	Designation	Specialization	No.f years of Experienced	No.of Ph.D. students guided during last years
Dr.S.S.Yeragi	M.Sc. Ph.D.	Associate Prof	Cytogenetics, Pollution aerobiology and allergy	5+33 years= 38 years	05, ongoing 05

Mrs.Supriya Naik	M. Sc., M. Phil.	Associate Professor	Embryology , Palynology, Aerobiology	24 years	Nil
Dr.Ajit Katdare	M. Sc., Ph. D.	Assistant Professor	Mycology	23 years	Ongoing 01
Dr. Anjali A. Ratnakar	M. Sc., Ph. D., SET	Assistant Professor	Plant Physiology	11 years	Nil
Dr. Meena Patankar	M. Sc., Ph. D.	Assistant Professor	Cytogenetics, Medicinal Botany	08 years	Nil
Dr. Veena Salvi	M. Sc., Ph. D., Post. Doc.	Assistant Professor	Cytogenetics and Plant Biotechnology	01 year	Nil
Dr.Vinaya Abhishek Rane	M.Sc. Ph.D.	Assistant Professor	Molecular biology, Cytogenetics, Biotechnology	2 months	Nil

**8. Percentage of classes taken by temporary faculty – programme-wise information: F. Y. B. Sc. Practicals : 25%:**

**9. Programme-wise Student Teacher Ratio:** B.Sc. : 20 : 1  
M.Sc. 20 : 1

- 10. Number of academic support staff (technical) and administrative staff: sanctioned and filled** : Lab Assistant (Administrative Staff): 01  
Lab Attendants : 04
- 11. 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 projectwise.** NIL
- 12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received** :  
Received grant of Rs.90,00,000/- under DST-FIST and  
Rs. 11,00,000/- under Star DBT
- 13. Research facility/centre with**
- state recognition : Nil
  - national recognition : Nil
  - international recognition : Nil
- 14. Publications:**
- Number of papers published in peer reviewed journals
  - National - 21
  - International – 24
  - Poster presentation : National -04
  - International – 02
  - Monographs - Nil
  - Chapter(s) in Books - E-book -01 ; scientific articles - 25
  - Books - 03
  - Books with ISBN numbers with details of publishers : Sheth publications.
  - number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
  - Citation Index – range / average --
  - SNIP --
  - SJR --
  - Impact factor – range / average --
  - h-index --

- 15. Details of patents and income generated:** Nil
- 16. Areas of consultancy and income generated:** Nil
- 17. Faculty recharging strategies:** Nil
- 18. Student projects:**  
 Percentage of students who have done in-house projects including inter-departmental: 100% students do in-house projects.  
 percentage of students doing projects in collaboration with industries / institutes: Nil
- 19. Awards / recognitions received at the national and international level by**
- Faculty: Nil
  - Doctoral / post doctoral fellows : Nil
  - Students: Nil
- 20. Seminars/ Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any : Nil**
- 21. Student profile course-wise:**

**2014-2015**

Name of the Course (refer question no. 2)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
UG	2077	72	199	Please refer Annexure	
PG	27	01	19		
Ph.D.	--	0	1		

**2015-2016**

Name of the Course (refer question no. 2)	Applications received	Selected	
		Male	Female
UG	2362	95	224
PG	19	-	13

**22. Diversity of Students**

<b>Name of the Course</b> (refer question no. 2)	<b>% of students from the college</b>	<b>% of students from the state</b>	<b>% of students from other States</b>	<b>% of students from other countries</b>
UG	60%	35%	5%	Nil
PG	30%	60%	10%	Nil
Ph.D.	50%	40%	10%	Nil

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

**24. Student progression**

<b>Students Progression</b>	<b>Percentage against enrolled</b>
UG to PG	16
PG to M.Phil	Nil
Ph.D. to Post Doctoral	Nil
Employed	Nil
Campus Selection	Nil
Other than campus recruitment	Nil
Entrepreneurs	Nil

**25. Diversity of staff: as per existing staff**

<b>Percentage of faculty who are graduates</b>	
of the same parent university	05
From other universities within the state	01
From other universities from other state	--

26. **Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period : 01**
27. **Present details about infrastructural facilities**
- a) **Library: Departmental : 200 books**
  - b) **Internet facilities for staff and students : Yes**
  - c) **Total number of class rooms : 04**
  - d) **Class rooms with ICT facility : Nil**
  - e) **Students' laboratories : 03**
  - f) **Research laboratories : 01**
28. **Number of students of the department getting financial assistance from College : Nil**
29. **Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology : Nil**
30. **Does the department obtain feedback from**
- a. **faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it? NA**
  - b. **students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same? NA**
  - c. **alumni and employers on the programmes and what is the response of the department to the same? NA**
31. **List the distinguished alumni of the department (maximum 10):**
- Dr. Satnam Singh Sohel
  - Dr. Devendra Jadhav
  - Dr. Manjusha Nikam
  - Dr. Veena Salvi
  - Mr. Sushil Shinde
  - Dr. Vinod Trigunayat
  - Dr. Anjali Jadhav
  - Mr. Vikrant Ghanekar
  - Dr. Santhosh Kumar
  - Dr. Jabbar

- 32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts. 2014-15**
- Dr. Nadini Thatte: “Know Your Prakriti”
  - Dr. Raut: “Nanotechnology: A Tiny Revolution”
  - Mrs. Priyanka Khandekar: “Flower Arrangement”
  - Mr. Prashant Mahajan: “Vegetation Mapping Survey”
  - Mr. Prashant Mahajan: “Metastudio Mapping Programme”
  - Dr. Jae Tilak: “Insights in Scientific Writing”
- 33. List the teaching methods adopted by the faculty for different programme :**
- Local and long excursions
  - Institutional visits
  - Industrial visits
  - Use of ICT
- 34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**  
As per the need of the students with reference to their syllabi and their learning outcomes are monitored with the help of submissions of their reports.
- 35. Highlight the participation of students and faculty in extension activities.**  
In order to create environmental awareness : A workshop was conducted on 9<sup>th</sup> August 2014 at Powai. It was followed by demonstration of water Hyacinth from Powai lake. All the faculty members and students from S. Y., T. Y. and M. Sc. participated in the activity.
- 36. Give details of “beyond syllabus scholarly activities” of the department.**  
A demo speech was organized by the department in consultation with HBCSE team members under the guidelines of Mr. Prashant Mahajan in order to encourage the students for carrying out rain tree sensing in Mumbai as it is getting threatened.
- 37. State whether the programme/ department is accredited/ graded by other agencies. Give details. NA**
- 38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**  
**Strengths** : Sincere, Enthusiastic and Dedicated Staff Members, Honest, Punctual, Well-behaved, Obedient, Co-operative Non-Teaching staff Members

**Weaknesses** : Infrastructure

**Opportunities** : Many staff members are eligible to get recognition as research guides.

**Challenges** : Inculcation of values in students so as to make them good citizens in order to bring laurel to college.

39. **Future plans of the department.** To take initiatives to organize inter-disciplinary courses such as Biostatistics, Horticulture and Gardening, Karyotyping, Ayurvedic Botany etc.



## **DEPARTMENT OF MICROBIOLOGY**

1. **Name of the Department & its year of establishment** : Microbiology.(1973)
2. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D Integrated Masters Integrated Ph.D., etc.)** : Undergraduate, Postgraduate, Ph.D.
3. **Interdisciplinary courses and departments involved** : Biochemistry (undergraduate)(3units)
4. **Annual/ semester/choice based credit system** : Choice based credit system.
5. **Participation of the department in the courses offered by other departments** : Participated in theory and Practicals of M.Sc. Environmental Science, Biophysics Certificate Course.
6. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)**

	Sanctioned	Filled
Professor	Nil	0
Associate Professor	8	3
Assistant Professor		4

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

Name	Qualification	Designation	Specialization	No.f years of Experienced	No.of Ph.D. students guided during last years
Smt.Shailaja Girishankar	M.Sc., M.Phil.	Associate Professor HOD	Microbiology	34	--
Dr.Smt.Unnati Padalia.	M.Sc., Ph.D.	Associate Professor	Medical Microbiology	30	2 comp 3 ongoing
Smt.Hemlata Chakraborty	M.Sc.	Associate Professor	Medical & Immunology	30	--
Dr. Smt.Lolly Jain	M.Sc., SET, Ph.D	Assistant Professor	Food Microbiology	20	--
Smt. Soniya Shetty.	M.Sc., SET.	Assistant Professor	Microbiology	13	--
Shri.Shabib Khan	M.Sc., NET, SET.	Assistant Professor	Microbiology	05	--
Dr.Reshma Tubhekar	M.Sc. Ph.D.	Assistant Professor	Microbiology	2 months	--

**8. Percentage of classes taken by temporary faculty –** B.Sc. : 20%  
M.Sc. : 20%

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

Undergraduate programme- 1:22

Postgraduate programme - 1:6

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

11. **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.**
  
12. **Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received**  
Received grant of Rs.90,00,000/- under DST-FIST and  
Rs. 11,00,000/- under Star DBT
  
13. **Research facility / centre with**
  - state recognition – Nil
  - national recognition - Nil
  - international recognition – Nil
  
14. **Publications:**
  - number of papers published in peer reviewed journals (national - 04
  - international)-13
  - Monographs - Nil
  - Chapter(s) in Books – Nil
  - Editing Books – Nil
  - Books with ISBN numbers with details of publishers
  - number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
  - Citation Index – range / average
  - SNIP
  - SJR
  - Impact factor – range / average
  - h-index
  
15. **Details of patents and income generated - Nil**
  
16. **Areas of consultancy and income generated : Industrial Microbiology**  
: Rs. 5000/-
  
17. **Faculty recharging strategies**  
Faculty members attend various workshops and conferences.

**18. Student projects**

- percentage of students who have done in-house projects including inter-departmental 1%
- percentage of students doing projects in collaboration with industries / institutes – Nil

**19. Awards / recognitions received at the national and international level by**

- Faculty : 04
- Doctoral / post doctoral fellows – Nil
- Students :06

**20. Seminars/ Conferences/Workshops organized and the source of funding (national /international) with details of outstanding participants, if any. – Nil**

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

**2014-2015**

Name of the Course (refer question no. 2)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
UG	2077	30	150	Please refer Annexure	
PG	80	2	30		
Ph.D	--	0	1		

**2015-2016**

Name of the Course (refer question no. 2)	Applications received	Selected	
		Male	Female
UG	2362	29	176
PG	151	6	37
Ph.D.	--	--	--

**22. Diversity of Students :**

<b>Name of the Course</b> (refer question no. 2)	<b>% of students from the college</b>	<b>% of students from the state</b>	<b>% of students from other States</b>	<b>% of Students from other Countries</b>
UG	60%	95%	5%	Nil
PG	30%	60%	10%	Nil
Ph.D	50%	40%	10%	Nil

**23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?  
07-NET, 06-GATE**

**24. Student progression**

<b>Students Progression</b>	<b>Percentage against enrolled</b>
UG to PG	50%
PG to M.Phil	0.1%
Ph.D. to Post Doctoral	0.1%
Employed	0
Campus Selection	0
Other than campus recruitment	0
Enterpreneures	0

**25. Diversity of staff**

<b>Percentage of faculty who are graduates</b>	
of the same parent university	100%
From other universities within the state	-
From other universities from other state	-

- 26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period. – Nil**
- 27. Present details about infrastructural facilities**
- Library –Yes departmental library.
  - Internet facilities for staff and students – available in department
  - Total number of class rooms. 01
  - Class rooms with ICT facility. Nil
  - Students’ laboratories-02
  - Research laboratories-01
- 28. Number of students of the department getting financial assistance from College. Nil**
- 29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology-**  
Formation of BOS at departmental level. Syllabus formation and approval by the BOS.
- 30. Does the department obtain feedback from**
- faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it? by incorporating in the syllabus.
  - students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same? --College takes a feedback on staff. Students are a part of BOS giving feedback on curriculum.
  - alumni and employers on the programmes and what is the response of the department to the same? --Alumni incorporated in BOS
- 31. List the distinguished alumni of the department (maximum 10).**
- Mrs. Leena Phadke. Dept. of Microbiology Ruia College.
  - Principal Dr. Jayshree Phadnis Principal VES.
  - Mrs. Seema Ronghe. HOD ,Microbiology Department, SIES College.
  - Dr. Shubhda Chiplunkar, Director ACTREC.
  - Dr. Manish Bhardwaj, North Carolina Technology faculty.
  - Dr. Vilas Sinkar Vice-President Hindustan Lever.
  - Dr. V.P.Kamath.
  - Dr. Neelima Joshi ,Vice-President, Glenmark Pharmaceuticals.
  - Dr. Shabri Tipnis, Research scientist ,Reliance Life Sciences.
  - Dr. Satish Rao.

32. **Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.**  
Organized lecture series “ Enriching expressions” by eminent Alumni for students.
33. **List the teaching methods adopted by the faculty for different programmes -** Chalk and board method, animations and Powerpoint Presentations.
34. **How does the department ensure that programme objectives are constantly met and learning outcomes monitored ?** by conducting Internal tests.
35. **Highlight the participation of students and faculty in extension activities.** Soft-skill Programme for Post–graduate students by Mrs. Shailaja Girishankar.
36. **Give details of “beyond syllabus scholarly activities” of the department.** Adventure training for F.Y.B.Sc students, Paper bag making activity in second week of April,2015).
37. **State whether the programme/ department is accredited/ graded by other agencies. Give details.** NA
38. **Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**  
**STRENGTHS:**
- Experienced and qualified staff.
  - Awards and accolades of staff.
  - Research and research guides.
  - Strong participation of all teachers in administrative activities.
  - Strong participation of students in curricular and extracurricular activities.
- WEAKNESS:**
- Infrastructure.
  - No ICT equipped classroom.
  - No collaborative activity.
- OPPORTUNITIES:**
- Application for research grants.
  - Consultancies.
  - Short term course.
  - Organising Workshops ,Seminars.

**CHALLENGES:**

- Accomodating increasing number of students.
- Placement.
- Documenting student progression.

**39. Future plans of the department.**

- To initiate Inter-Departmental and Inter-University-Research Project.
- Student –exchange programs.
- To revise the syllabus of post-graduate programme under autonomy.



## **DEPARTMENT OF PHYSICS**

1. **Name of the Department & its year of establishment** : Physics (1960)
2. **Names of Programs / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)** : Undergraduate  
Postgraduate M.Sc (By Papers)  
Postgraduate M.Sc (By Res.)
3. **Interdisciplinary courses and departments involved** : Biophysics (Chemistry + Microbiology + Physics)  
Nanotechnology (Chemistry + biological sciences + Physics)  
Cyber security ( Physics + IT + CS)
4. **Annual/ semester/choice based credit system** : Semester based credit system
5. **Participation of the department in the courses offered by other departments** : Certificate course in laboratory technology
6. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)**

	Sanctioned	Filled
Professor	Nil	0
Associate Professor	15	3
Assistant Professor		11

**7. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil. Etc.,)**

Name	Qualification	Designation	Specialization	No. of years Of experience	No. of Ph.D. Students guided for the last 4 years
Mr. S.K.Saxena	M.Sc M.Phil	Asso.Prof.	Electronics and Solid State Physics	38 years	Nil
Ms.R.S.Shukl	M.Sc M.Phil	Asso.Prof.	Electronics	33years	Nil
Dr.Meena Sharma	M.Sc Ph.D	Asso.Prof.	Electronics	31 years	Nil
Dr.Deepak More	M.Sc Ph.D SET	Asst.Prof	Nuclear Physics	21 years	Nil
Dr.G.S.Nair	M.Sc Ph.D SET	Asst.Prof	Solid State Physics	15 years	Nil
Mr.A.M.Shaker	M.Sc SET	Asst.Prof	Electronics	15 years	Nil
Mr.J.Pendharkar	M.Sc. SET	Asst.Prof	Nuclear Physics; communication	15 years	Nil
Ms.S.L.Survase	M.Sc.SET	Asst.Prof	Electronics	11 +9 years	Nil
Mr Anshul Gupta	M.Sc.NET	Asst.Prof	Electronics	7 years	Nil
Mr. Deepak Jalla	M.Sc.NET	Asst.Prof	Solid State Elect	3 years	Nil

Mr. Amit More	M.Sc.NET M.Phil	Asst.Prof	Electronics	2 years	Nil
Ms. Pallavi Raote	M.Sc. Ph.D	Asst.Prof	Electronics	2 years	Nil
Dr Ritwika Chakrabarti	M.Sc. Ph.D	Asst.Prof	Nuclear Physics	2 months	Nil
Mr.Ketankumar R.Gayakwad	M.Sc. NET	Asst.Prof	Nuclear Physics	2 months	Nil
Dr.Rucha Naik	M.Sc.Ph.D.	Asst.Prof	Physics Electronics	2 months	Nil

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

B.Sc. : 25%  
M.Sc. : 35 %

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

Program	Ratio
Undergraduate	20 : 1
Post graduate	20 : 1

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

Nil

**11. 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 the P.I. & Co.I.	Title of the project	Funding Agency	Amount sanctioned	Year
Mr.Anshul Gupta	Optical properties of dye doped polymers and their applications as sensors	UGC	1, 80, 000/-	2014 - 2016 ongoing
Mr. Jitendra Pendharkar (PI)	Synthesis and characterization metal	Mumbai university APD/23	30,000/-	2014-15 Completed

	oxide nano fluids	7/351		
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**12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received**

Received grant of Rs.90,00,000/- under DST-FIST and Rs. 11,00,000/- under Star DBT

**13. Research facility / centre with**

- state recognition Nil
- national recognition Nil
- international recognition Nil

**14. Publications:**

- Number of papers published in peer reviewed journals (national / international)
- Monographs – Nil
- Chapter(s) in Books – Nil
- Editing Books – Nil
- Books with ISBN numbers with details of publishers ; Upkar Prakashan ISBN: 978-93-5013-250-0
- number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- Citation Index – range / average
- SNIP
- SJR
- Impact factor – range / average
- h-index

**15. Details of patents and income generated** Nil

**16. Areas of consultancy and income generated** Nil

**17. Faculty recharging strategies**

Teachers are sent to attend the refresher courses, short term courses, orientation courses , workshops and seminars

**18. Student projects**

- percentage of students who have done in-house projects including inter-departmental           2%
- percentage of students doing projects in collaboration with industries / institutes                 Nil

**19. Awards / recognitions received at the national and international level by**

- Faculty : Mr. Nishchal Dwivedi who was a visiting faculty has received Dr Shankar Dayal Sharma Presidential award for best student of the University
- Doctoral / post doctoral fellows           Nil
- Students   Nil

**20. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any.**

**COMPHY3.0** A National workshop on computational physics was organized by the department in collaboration with Indian association of physics teachers from 11<sup>th</sup> February to 14<sup>th</sup> February 2015. The workshop was sponsored by UGC. Sixty eight participants across the country participated in the workshop. Informative lectures and practical were conducted by the eminent personalities from various institutions.  
Comphy was also held in 2013-14 and 2012-13

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

**2014-2015**

Name of the Course(refer question no.2)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
UG	2077	267	254	Please refer to Annexure	
PG	72	14	21		

**2015-2016**

Name of the Course(refer question no.2)	Applications received	Selected	
		Male	Female
UG	2362	266	243
PG	121	20	22

**22. Diversity of Students**

<b>Name of the Course</b> (refer question no. 2)	<b>% of students from the college</b>	<b>% of students from the state</b>	<b>% of students from other States</b>	<b>% of students from other countries</b>
UG	60%	35%	5%	Nil
PG	30%	60%	10%	Nil

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

- Mr. Maheshwar Phalke (NET)
- Mr. Sangram Sahu (JAM)
- Mr. Jainam Khara (JAM)

**24. Student progression**

<b>Student progression</b>	<b>Percentage against enrolled</b>
UG to PG	20%
PG to M.Phil.	--
PG to Ph.D.	10%
Ph.D. to Post-Doctoral	--
Employed	
• Campus selection	6%
• Other than campus recruitment	20%
Entrepreneurs	--

**25. Diversity of staff**

<b>Percentage of faculty who are graduates</b>	
of the same parent university	75%
From other universities within the state	0
From other universities from other state	25%

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

- Dr. Meena Sharma (Ph.D)
- Dr Deepak More (Ph.D)
- Mr. S. K Saxena has submitted his thesis.

**27. Present details about infrastructural facilities**

- Library Student's Library (about 400 books) and teacher's library (about 500 books)
- Internet facilities for staff and students PC's with internet connection
- Total number of class rooms 6
- Class rooms with ICT facility Nil
- Students' laboratories 05
- Research laboratories Nil

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

Every year 03 topper students are awarded with cash prize for their performance in the undergraduate and post graduate programs.

**29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology. No**

**30. Does the department obtain feedback from**

- a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?  
Yes ,in framing syllabus and question paper feedback is taken from the faculty
- b. students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same? Feedback of students is taken on curriculum and on teaching-learning and evaluation
- c. alumni and employers on the programmes and what is the response of the department to the same? Alumni area part of BOS constituted under autonomy

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

- Venkat R.
- Kundu Hosilakar.
- Narayan R.
- Yogesh Thakkar
- Sudarshni

- Nishchal D.
- Jignesh Thakkar
- Surbhi Dave
- Jhanvi Shetti
- Rajendra Dakua

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

- A talk by eminent scientist “Dr. Bal Phondke “ was organized on 25<sup>th</sup> September 2014. His topic was “Emerging Trends in Science”
- An interaction with Dr. Sergey Safonov, a faculty at Saint Petersburg State University on “International science competitions as a way for establishing collaborations and building cultural bridges” was held on 4<sup>th</sup> December 2014.
- Signature event of the department “Bridge course” is conducted every year.
- Remedial course for weaker students conducted every year.
- Guiding students to prepare themselves for NGPE examination.
- Dr Sunil Mukhis lecture on God’s particle.
- Dr. Yash Pal’s lecture on Science education
- Dr Shirish Pathare’s lecture on plotting of graphs
- Ms Pratibha Pai’s two day workshop on microprocessors.
- Mr Kundu Hosalikar’s lecture on Antarctica Mission

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

- Conventional teaching method
- lectures using ICT
- Education visits
- Guiding the students for preparing research paper poster and their presentation
- Guiding for the Online courses

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

- Regular meeting are held to review the objectives and the steps to be taken for the improvement of
- teaching learning technique.

**35. Highlight the participation of students and faculty in extension activities.**

- Ms. Pooja Anam Sudhir (Captain). Kothari Jimisha Harshad and Khatri Akshay Dinesh qualified extramural round and were invited to represent during 12-18 November 2014. in International natural science tournament held at St Pettersburg University Russia.



- In 2015-16 our team of Vaishaili Dagha, Amol Menge and Shweta have qualified for the tournament.
- 36. Give details of “beyond syllabus scholarly activities” of the department.**
- Bridge course
  - Training for NGPE examination
  - Remedial coaching
  - Departmental half yearly “Bhautiki”.
- 37. State whether the programme/ department is accredited/ graded by other agencies. Give details.** MOU with computer society of India.
- 38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department**
- Strength:**
- Strong teaching faculty for UG and PG courses
  - Harmony between the staff and the students.
  - Spacious and well equipped laboratories
  - Departmental scholarship for the toppers in UG as well as PG section.
- Weakness:**
- More Space for Research laboratory
- Opportunities:**
- Providing students a platform for international exposure
  - Providing financial assistance to attend the international event
- Challenges:**
- To increase the number of good students to opt physics as their major subject
  - To start our own FM radio channel in the campus
- 39. Future plans of the department.**
- To get the recognition for the research laboratory.
  - To have collaboration with the industry.

## DEPARTMENT OF GEOLOGY

1. **Name of the Department & its year of establishment** : Geology, 1960
2. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)** : UG; PG; PGD; Ph.D
3. **Interdisciplinary courses and departments involved Department** : Interdisciplinary Course - Remote Sensing & GIS & involved - Centre For Remote Sensing & GIS (CRSGIS)
4. **Annual/ semester/choice based credit system** : Semester
5. **Participation of the department in the courses offered by other departments** : NA

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

	Sanctioned	Filled
Professors		--
Associate Professors	01	01
Assistant Professors	02	02

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

Name	Qualification	Designation	Specialization	No. of Years Of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. G.V.Rao	Ph.D	Associate prof & HOD	Geomorphology & RS&GIS	23	01 ongoing
Mr. Deepak Sahu	MSC	Assistant Professor	Igneous Petrology	2	-

8. **Percentage of classes taken by temporary faculty – programme-wise information** : (a)UG-02 ;30% (b) PG - 02 ; 60%
9. **Programme-wise Student Teacher Ratio** B.Sc. 20 : 1
10. **Number of academic support staff (technical) and administrative staff: sanctioned and filled.**

Lab. Assistant	01
Lab. Attendent	01
Peon	01

11. **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.** NA
12. **Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received** NA
13. **Research facility / centre** --
- state recognition --
  - national recognition --
  - international recognition --
14. **Publications:**
- **number of papers published in peer reviewed journals (national / international)** NA
  - **Monographs** NA
  - **Chapter(s) in Books** 03
  - **Editing Books** --
  - **Books with ISBN numbers with details of publishers** 01
  - **number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)** NA
  - **Citation Index – range / average** NA

- **SNIP** NA
- **SJR** NA
- **Impact factor – range / average** NA
- **h-index** NA

**15. Details of patents and income generated** NA

**16. Areas of consultancy and income generated** NA

**17. Faculty recharging strategies** NA

**18. Student projects**

- percentage of students who have done in-house projects including inter-departmental - 02%
- percentage of students doing projects in collaboration with industries / institutes - 04%

**19. Awards / recognitions received at the national and international level by Not Applicable**

- Faculty --
- Doctoral / post doctoral fellows --
- Students --

**20. Seminars/ Conferences/Workshops organized and the source of funding (national / international) with details of outstanding participants, if any. : Not Applicable**

**21. Student profile course-wise:  
2014-2015**

Name of the Course (refer question no. 2)	Applications Received	Selected		Pass percentage	
		Male	Female	Male	Female
UG	2077	55	16	Please refer Annexure	
PG	24	7	5		

2015-2016

Name of the Course (refer question no. 2)	Applications received	Selected	
		Male	Female
UG	2362	64	17
PG	22	12	6

**22. 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	60%	35%	5%	Nil
PG	30%	60%	10%	Nil

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

**24. Student progression**

Students progression	Percentage against enrolled
UG to PG	100
PG to M.Phil	01
PG to Ph.D.	01
Ph.d. to Post-Doctoral	01
Employed Campus selection	Off campus
Other than campus recruitment Entrepreneurs	01

**25. Diversity of staff**

Percentage of faculty who are graduates of the same parent university	01
From other universities within the state	NIL
From other universities from other state	02

- 26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.** NIL
- 27. Present details about infrastructural facilities**
- Library NIL (Teacher Maintained Library where personal books of teachers are accessible for students)
  - Internet facilities for staff and students available in the department
  - Total number of class rooms **01**
  - Class rooms with ICT facility **NIL**
  - Students' laboratories : One
  - Research laboratories : One
- 28. Number of students of the department getting financial assistance from College.** NIL
- 29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.** Not Applicable
- 30. Does the department obtain feedback from**
- faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it? NA
  - students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same? College takes feedback from students.
  - alumni and employers on the programmes and what is the response of the department to the same? Informal feedback from alumni is taken.
- 31. List the distinguished alumni of the department (maximum 10)**
- Dr. Tejas Deshmukh
  - Mr. Sridhar Ganapathy
  - Dr. G.S.Rao
  - Dr. Sridhar Iyer
  - Dr. Hetu Seth
  - Mr. Vinod menon
  - Mr Sunil Gauda
  - Mr. Vineet Menon
  - Mr. Kaiwan Elavia
  - Ms. Pooja Kshirsagar
  - Mr. Vinod Menon

- 32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.**  
The department has initiated an activity “Learn from the Experts”, under the auspices of the Geological Association and Earth Science Circle, organized by the students. The experts are very senior retired persons, who have contributed to the subject in their area of specialization. Two Lectures were organized in 2014-2015
- 33. List the teaching methods adopted by the faculty for different programmes.**  
Chalk and Talk, OHP
- 34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?** Regular meetings with department staff ensures that our goals are met
- 35. Highlight the participation of students and faculty in extension activities.**  
Extension activities like ADD ON courses in RST & GIS & Industrial visits to Reputed Organisations implementing GIS are conducted for the students
- 36. Give details of “beyond syllabus scholarly activities” of the department.**  
Students are encouraged to work on projects and develop 3D models which are later used by the faculty as teaching aid
- 37. State whether the programme/ department is accredited/ graded by other agencies. Give details.**  
The students enrolled in the RST and GIS course, were involved in a project called “HERE Map Creator Community Mapping Program of NOKIA” through an MoU with Department of Geology and CRS GIS. The students efforts won the students internship and certificate.
- 38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department :**  
Strength : lies in the capability of teachers of the department who contribute through research and extension courses.  
Weakness : Infrastructure  
Opportunities : to generate revenue through Research and Consultancy is manifold if infrastructural facilities and dedicated labs are provided  
Challenge : To keep the subject of Geology attractive to future students
- 39. Future plans of the department. :** To develop into a Research Centre for Geology, Remote Sensing and GIS

## **DEPARTMENT OF MATHEMATICS**

1. **Name of the Department & its year of establishment** : Mathematics, 1960
2. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)** : UG
3. **Interdisciplinary courses and departments involved** : Nil
4. **Annual/semester/choice based credit system** : Choice based credit system
5. **Participation of the department in the courses offered by other departments** : Bridge Course in Mathematics for Biotechnology students.
6. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)**

	Sanctioned	Filled
Professor	Nil	0
Associate Professor	05	3
Assistant Professor		2

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

Sr. No.	Name	Designation	Qualifications	Specialization	No. of years of experience	No. of Ph.D. students guided
1	Subhash Krishnan	Associate Professor	M.Sc. , M. Phil.	Number theory – Combin	24 + 1 year part time	N.A.



				atorics- Algebra		
2	Sudha Agrawal	Associate Professor	M.Sc. , M. Phil.	Algebra	24	N.A.
3	Reema Khanna	Associate Professor	M.Sc. , M. Phil.	Algebra	21	N.A.
4	Makarand Niphadkar	Assistant Professor	M.Sc.	Combin atorics	18	N.A.
5	Mr.Prabha t Kumar Manoj Kumar Upadhay	Assistant Professor	M.Sc. NET	Maths	2 months	N.A.

- 8. Percentage of classes taken by temporary faculty – programme-wise information :** 15%
- 9. Programme-wise Student Teacher Ratio** 154:1
- 10. Number of academic support staff (technical) and administrative staff: sanctioned and filled** Nil
- 11. 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.** NA
- 12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received** Nil
- 13. Research facility / centre with**
- state recognition
  - national recognition N.A.
  - international recognition
- 14. Publications:**
- number of papers published in peer reviewed journals (national / --
  - international) : --
  - Monographs : --
  - Chapter(s) in Books : --
  - Editing Books : --
  - Books with ISBN numbers with details of publishers
  - Text book of Calculus. Semester 1 : 978 93 5149 083

Semester 2 : 978 93 5149 169 9

- Text book of Algebra. : Semester 1: 978 93 5149 077 7
- Text book of Linear Algebra: Semester 978 93 5149 182 8
- Number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- Citation Index – range / average --
- SNIP --
- SJR --
- Impact factor – range / average --
- h-index --

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

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

**17. Faculty recharging strategies : Nil**

**18. Student projects**

- percentage of students who have done in-house projects including inter-departmental : NIL
- percentage of students doing projects in collaboration with industries / institutes : NIL

**19. Awards / recognitions received at the national and international level by**

- Faculty
- Doctoral / post doctoral fellows Nil
- Students

**20. Seminars/ Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any Nil**

**21. Student profile course-wise:  
2014-2015**

Name of the Course (refer question no. 2)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female

UG	2077	171	151	Please refer annexure
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**2015-2016**

Name of the Course (refer question no. 2)	Applications received	Selected	
		Male	Female
UG	2362	171	102

**22. 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	60%	35%	5%	Nil

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

**24. Student progression :** N A (subject is taught at the first year B Com)

**25. Diversity of staff**

<b>Percentage of faculty who are graduates</b>	
of the same parent university	80%
From other universities within the state	20%
From other universities from other state	--

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

**27. Present details about infrastructural facilities**

- a. Library : College library
- b. Internet facilities for staff and students : NIL
- c. Total number of class rooms : as per common timetable
- d. Class rooms with ICT facility: NIL
- e. Students’ laboratories : NA
- f. Research laboratories : N A

28. **Number of students of the department getting financial assistance from College.** Nil
29. **Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.**  
In the BOS meeting, the feedback from the students and experts from the University of Mumbai was taken and accordingly few modifications were made in the syllabus.
30. **Does the department obtain feedback from**
- faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it? Faculty is a part of Board of Studies constituted under autonomy
  - students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same? :  
Feedback Committee collects feedback from the students.
  - alumni and employers on the programmes and what is the response of the department to the same? – Board of Studies has alumni as a member who give suggestions in revising the syllabus under autonomy.
31. **List the distinguished alumni of the department (maximum 10)**  
Mr. Subhash Krishnan, Mr. Nimesh Punjani, Ms Priyanka Tiwari
32. **Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.** Nil
33. **List the teaching methods adopted by the faculty for different programmes.**  
Mainly chalk and talk method.
34. **How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**  
To ensure that programme objectives are met , feedback from the students is obtained in the classroom . Also from the performance of the students in the test, one can evaluate the learning outcomes.
35. **Highlight the participation of students and faculty in extension activities.**  
Nil
36. **Give details of “beyond syllabus scholarly activities” of the department.**  
Nil
37. **State whether the programme/ department is accredited/ graded by other agencies. Give details.** N A

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

**Strengths :**

- Experienced and dedicated staff to teach at various levels
- Apart from regular UG courses we teach mathematics to student of life sciences, IT, computer science and specialized commerce courses

**Weaknesses :**

- Insufficient space for laboratory

**Opportunities :**

- To start a PG program.
- To offer short interdisciplinary courses to cater to the needs of students studying other disciplines

**Threats :**

- Number of students opting mathematics as a major subject is less.

**39. Future plans of the department. To start P.G. courses**

**DEPARTMENT OF STATISTICS**

1. **Name of the Department & its year of establishment** : Statistics; Established 1974
2. **Names of Programmes /, Courses offered (UG, PG, M.Phil Ph.D., Integrated Masters; Integrated Ph.D., etc.)** : UG
3. **Interdisciplinary courses and departments involved** : Nil
4. **Annual/ semester/choice based credit system** : Semester
5. **Participation of the department in the courses offered by other departments** : (B.Sc.and M.Sc.)  
Biotechnology  
and EVS (M.Sc.)
6. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)**

	Sanctioned	Filled
Professor	Nil	0
Associate Professor	04	2
Assistant Professor		2

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

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years



- Sciences Directory, EBSCO host, etc.): Nil
  - Citation Index – range / average: Nil
  - SNIP: Nil
  - SJR: Nil
  - Impact factor – range / average Nil
  - h-index Nil
- 15. Details of patents and income generated Nil**
- 16. Areas of consultancy and income generated Nil**
- 17. Faculty recharging strategies Nil**
- 18. Student projects**
- percentage of students who have done in-house projects including inter-departmental: Nil
  - percentage of students doing projects in collaboration with industries / institutes: Nil
- 19. Awards / recognitions received at the national and international level by**
- Faculty: Nil
  - Doctoral / post doctoral fellows: Nil
  - Students: Nil
- 20. Seminars/ Conferences/Workshops organized and the source of funding (national/ international ) with details of outstanding paraticipants, if any.**
- Two-day workshop organized on “Applications of statistics in Biological Science” on 3<sup>rd</sup> and 4<sup>th</sup> September 2015.

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

2014-2015

Name of the Course (refer question no. 2)	Applicat ions received	Selected		Pass percentage	
		Male	Female	Male	Female
UG	2077	83	66	Please refer Annexure	



2015-2016

Name of the Course (refer question no. 2)	Applications received	Selected	
		Male	Female
UG	2362	93	69

**22. 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	60%	35%	5%	Nil

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

**24. Student progression -**

Students Progression	Percentage against enrolled
UG to PG	2%
PG to M.Phil	-
Ph.D. to Post Doctoral	-
Employed	-
Campus Selection	-
Other than campus recruitment	-
Entrepreneurs	-

**25. Diversity of staff**

<b>Percentage of faculty who are graduates</b>	
of the same parent university	75%
From other universities within the state	25%
From other universities from other state	-

26. **Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period.** Nil
27. **Present details about infrastructural facilities**
- |  |     |
|--|-----|
| a. Library:                                    | Yes |
| b. Internet facilities for staff and students: | Yes |
| c. Total number of class rooms                 |     |
| d. Class rooms with ICT facility:              | Nil |
| e. Students' laboratories:                     | Nil |
| f. Research laboratories:                      | Nil |
28. **Number of students of the department getting financial assistance from College.** Nil
29. **Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.** Nil
30. **Does the department obtain feedback from**
- a. **faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?**
- b. **students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same? :**
- c. **alumni and employers on the programmes and what is the response of the department to the same?**
- College has constituted feedback committee which takes feedback from students in every class. The feedback is then compiled. Principal discusses the result with each individual about their feedback and makes the required suggestion for improvement.
31. **List the distinguished alumni of the department (maximum 10)** Nil
32. **Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.**
- One-day lecture series was organized on 07<sup>th</sup> August 2015; describing about various aspects and applications and the use of studying Statistics subject in further higher levels and in future too. Mr. Abhijeet Subhash Patil & Dr. Madhav Kulkarni shared their knowledge in this seminar.
33. **List the teaching methods adopted by the faculty for different programmes.**
- Chalk-board method
  - Power-point method

34. **How does the department ensure that programme objectives are constantly met and learning outcomes monitored?:** By conducting examinations and various types of competitions.
35. **Highlight the participation of students and faculty in extension activities.**  
Nil
36. **Give details of “beyond syllabus scholarly activities” of the department.**  
StatsXplo and Seminars for the students
37. **State whether the programme/ department is accredited/ graded by other agencies. Give details. - NA**
38. **Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department**  
**Strengths:**  
Experience Staff equipped with well computer knowledge
- Weakness:**  
Separate statistics, computer lab required
- Opportunities:**  
Statistics subject can be offered with the other subjects (other than PMS) combinations; as statistics is required in all the subject.
- Challenges:** to start Post Graduate programme.
39. **Future plans of the department.**  
To open new program in different fields like
- Biostatistics
  - Actuarial Statistics
  - Six-sigma technique
  - Operation research

## **DEPARTMENT OF ZOOLOGY**

1. **Name of the Department: & its year of establishment** : Zoology: 1976
2. **Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)** : UG, PG and Ph.D.
3. **Interdisciplinary courses and departments involved** : Nil
4. **Annual/ semester/choice based credit system** : Semester based credit system
5. **Participation of the department in the courses offered by other departments** : M.Sc. Neutraceutical and M.Sc. Environmental Science, DLLE

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

	Sanctioned	Filled
Professor	Nil	Nil
Associate Professor	11	6
Assistant Professor		5

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

Name	Qualification	Designation	Specialization	N.of years of experience	No. of Ph.D. students guided for the last 4 years
Dr.Vijay Joshi	M.Sc., Ph.D.	Principal	Endocrinology	32 years	--

Dr.S.G.Yeragi *	M.Sc., Ph.D. FZS, D.H.E. DMLT FAZ, FAA	Assoc. Prof.			
Dr. Mrinalini C.Sathe	M.Sc., D.H.E. M.Phi Ph.D.	Assoc. Prof.	Developme ntal Biology	35 years	01 complet ed 01 ongoing
Dr.Mrs Veena Srivastava	M.Sc., M.Phil Ph.D.	Assoc. Prof.	Marine Biology	34 Years	
Dr Rajendra Nayak	M.Sc., Ph.D., LLM	Assoc. Prof.	Bioscience s	34 years	01 complet ed 01 ongoing
Mrs. Deeplaxmi Satam**	M.Sc., D.H.E.	Assoc. Prof.	Marine Biology	25	-
Dr.Vikrant V. Deshmukh	M.Sc., Ph.D.	Assist. Prof.	Fishery Science	10 years	--
Dr. Amol Patwardhan	M.Sc. Ph.D.	Assist. Prof.	Entomolog y	7 years	--
Ms.Shreya Ravindra Patil	M.Sc. NET	Assist. Prof.	Endocrinol ogy	2 months	--
Mr.Ajay Tripathi	M.Sc. NET	Assist. Prof.	Physiology	2 months	--
Ms.Chetna Kanekar	M.Sc. NET	Assist. Prof.	Entomolgy Physiology	1 month	--

\* retired in 2013

\*\* has taken VRS in Feb 2015

8. **Percentage of classes taken by temporary faculty – programme-wise information**  
B.Sc. : 20%  
Visiting faculty- M.Sc. Part I and Part II- lectures (PG Autonomous 2015-16)
9. **Programme-wise Student Teacher Ratio** B.Sc. : 20: 1  
M.Sc. 20:1
10. **Number of academic support staff (technical) and administrative staff: sanctioned and filled.** N.A.

11. **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
12. **Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received**  
Received grant of Rs.90,00,000/- under DST-FIST  
and Rs.11,00,000/- under STAR-DBT  
  
Project funded by Mumbai University – 01 Grant received Rs. 20,000/-
13. **Research facility / centre with**
- state recognition - Nil
  - national recognition - Nil
  - international recognition - Nil
14. **Publications:**
- number of papers published in peer reviewed journals (national / international) : Nil
  - National- 09, International- 05
  - Monographs Nil
  - Editing Books - Nil
  - Books with ISBN numbers with details of publishers - Nil
  - number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
  - Citation Index – range / average
  - SNIP
  - SJR
  - Impact factor – range / average
  - h-index
15. **Details of patents and income generated** NIL
16. **Areas of consultancy and income generated** NIL
17. **Faculty recharging strategies**  
By Participation in Refresher course and training course-

**18. Student projects**

- percentage of students who have done in-house projects including inter-departmental : 100%
- percentage of students doing projects in collaboration with industries / institutes – 40%

**19. Awards / recognitions received at the national and international level by Faculty –**

DR S.G.YERAGI

Received “Best Teacher Award” of Maharashtra Government, on 5<sup>th</sup> September 2010 by the hands of Chief Minister, Maharashtra.

Best Teacher Award given by Mumbai Regional Congress Committee on 16<sup>th</sup> October, 2010.

- Doctoral / post doctoral fellows Nil
- Students Nil

**20. Seminars/ Conferences/Workshops organized and the source of funding (national international) with details of outstanding participants, if any.**

Dept of Zoology in association with BOS in Zoology, Mumbai University organised Concluding workshop for T.Y.B.Sc Applied Component in zoology on 7<sup>th</sup> Aug, 2010.

Dept of Zoology in association with BOS in Zoology, Mumbai University organised a workshop for students to discuss the undergraduate and post graduate syllabi in Zoology on 8<sup>th</sup> Aug, 2013.

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

**2014-2015**

Name of the Course (refer question no. 2)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
UG	2077	95	244	Please refer Annexure	
PG	68	6	26		
Ph.D.	--	0	1		

**2015-2016**

Name of the Course (refer question no. 2)	Applications received	Selected	
		Male	Female
UG	2362	109	282
PG	59	9	32
Ph.D.	--	--	--

**22. 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	60%	35%	5%	NIL
PG	30%	60%	10%	NIL
Ph.D.	50%	40%	10%	NIL

**23. How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations?  
NET -02, MBA entrance- 02**

**24. Student progression**

Students Progression	Percentage against enrolled
UG to PG	60%
PG to M.Phil	-
Ph.D. to Post Doctoral	25%
Employed	-
Campus Selection	-
Other than campus recruitment	-
Enterpreneures	-



**25. Diversity of staff**

<b>Percentage of faculty who are graduates</b>	<b>2015-16</b>
of the same parent university	50%
From other universities within the state	33.3%
From other universities from other state	16.6%

**26. Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period. Ph.D.- 01**

**27. Present details about infrastructural facilities**

- a. Library – books in departmental library and there are books in the central college library available to staff and students
- b. Internet facilities for staff and students - available
- c. Total number of class rooms : 02
- d. Class rooms with ICT facility : Nil
- e. Students' laboratories : 03
- f. Research laboratories : 01

**28. Number of students of the department getting financial assistance from College. - NIL**

**29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology. Nil**

**30. Does the department obtain feedback from**

- a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it? Yes
- b. students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same? Yes
- c. alumni and employers on the programmes and what is the response of the department to the same? Yes

- 31. List the distinguished alumni of the department (maximum 10) Nil**
- 32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts.**  
Michel and Monique Laigle from Le Mans, France visited the department on 11<sup>th</sup> August 2015. They were retired teachers from the Le Mans University. Students of T Y B Sc and Sc and M Sc interacted with them.
- 33. List the teaching methods adopted by the faculty for different programmes.**  
Chalk and talk  
Use of Charts and models, specimens  
Power point presentations and Videos, animations shown on computer using LCD projector
- 34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**  
Regular lectures and practicals are conducted. Through interactions with student. By taking the students for field visits and institutional visits (experiential learning), students seminars and tests, parents teachers meeting, organization of guest lectures and workshops for students, 'Zorilla' Zoofest organized by the dept. where student volunteers manage various events, students participation in workshop.
- 35. Highlight the participation of students and faculty in extension activities.**  
Student and teachers take part in activities organized by extension committee and by other departments.
- 36. Give details of “beyond syllabus scholarly activities” of the department.**  
Three workshops on Group discussion, Goal setting, Yoga were organized for PG students, Guest lecture on 'Science behind miracles' by Dr. Narendra Nayak was organized by the department.
- 37. State whether the programme/ department is accredited/ graded by other agencies. Nil**
- 38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department**  
**Strengths-** All the teaching staff is with doctorate ( Ph.D.), Harmony in the department.  
**Weaknesses-** Lab Space for growing no of students  
**Opportunities :** Applying for major research grant .  
**Challenges :** To revise M.Sc. syllabus under autonomy in pace with current trends in research

**39. Future plans of the department.**

To start a course in Field Biology, New Specialization for M.Sc. students.  
To start interdisciplinary courses and projects, enhance the research facility.

**Hands on training** Workshop on Instrumentation for 3 days in August 2015  
for 42 Non-teaching staff organised in association with Chemistry department

## **DEPARTMENT OF BIOTECHNOLOGY**

1. **Name of the Department & its year of establishment** : Biotechnology  
June 2002 (UG), June 2008 (PG)
  2. **Names of Programmes /, Courses offered (UG, PG, M.Phil Ph.D., Integrated Masters; Integrated Ph.D., etc.)** : UG and PG  
B.Sc. Biotechnology,  
M.Sc. Biotechnology
  3. **Interdisciplinary courses and departments involved.** : Nil
  4. **Annual/ semester/choice based credit system** : credit based choice based system
  5. **Participation of the department in the courses offered by other departments** : CCLT course conducted by department of Chemistry
6. **Number of teaching posts sanctioned and filled(Professors/Associate Professors/ Asst. Professors)**

	Sanctioned	Filled
Professor	Nil	0
Associate Professor	07	1
Assistant Professor		6

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

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. K.Z. Marolia	M.Sc. NET PhD post doctorate	Assoc. Prof	M.Sc. Microbiology PhD Biochemistry	11*+ 2 *Current institute	Nil

Mr. Amit Jethwa	M.Sc. NET	Asst Prof	M.Sc. Biotechnology	5	Nil
Ms. Hemangi K.	M.Sc. NET	Asst Prof	M.Sc. Microbiology	5*+1 *Current institute	Nil
Ms. Sujata Birua	M.Sc. NET	Asst Prof	M.Sc. Biochemistry	4	Nil
Mr. Jayesh Bhagat	M.Sc. NET	Asst Prof	M.Sc. Biotechnology	4	Nil
Dr. Jacinta George	M.Sc. Ph.D.	Asst. Prof.	Biotech	1 month	Nil
Dr. Mane Abhishek Saurabh	M.Sc. Ph.D.	Asst. Prof.	Biotech	1 month	Nil

- 8. Percentage of classes taken by temporary faculty – programme-wise information** 20%
- 9. Programme-wise Student Teacher Ratio** B.Sc : 20 : 1  
M.Sc. 20 : 1
- 10. Number of academic support staff (technical) and administrative staff: sanctioned and filled** : Nil
- 11. 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
- 12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received** Nil
- 13. Research facility / centre with :** Nil
- state recognition --
  - national recognition --
  - international recognition --
- 14. Publications :** Nil
- number of papers published in peer reviewed journals (national / International)
  - Monographs
  - Chapter(s) in Books

- Editing Books --
- Books with ISBN numbers with details of publishers --
- number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- Citation Index – range / average --
- SNIP --
- SJR --
- Impact factor – range / average --
- h-index --

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

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

**17. Faculty recharging strategies:** Sending faculty members for training programme.

**18. Student projects**

- percentage of students who have done in-house projects including inter-departmental : 10%
- 10% percentage of students doing projects in collaboration with industries / institutes Nil

**19. Awards / recognitions received at the national and international level by**

- Faculty
- Doctoral / post doctoral fellows : Nil
- Students

**20 Seminars/Conferences/Workshops organized and the source of funding (national international)with details of outstanding participants, if any.**

Nil

**21 Student profile course-wise:**

**2014-2015**

Name of the Course (refer question no. 2)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
UG	739	19	49	Please refer Annexure	
PG	139	07	23		

**2015-2016**

Name of the Course (refer question no. 2)	Applications received	Selected	
		Male	Female
UG	714	17	61
PG	198	12	28

**22 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	60%	35%	5%	0
PG	30%	60%	10%	0

**23 How many students have cleared Civil Services, Defense Services, NET, SLET, GATE and any other competitive examinations? NIL**

**24. Student progression**

Student progression	Percentage of students
UG to PG	65
Double graduation	10
PG to M.Phil.	-
PG to Ph.D (Approx)	5%
Ph.D. to Post-Doctoral	-
Employed • Campus selection	5%
Other than campus recruitment (Approx)	75%
Entrepreneurs	Nil

**25. Diversity of staff**

<b>Percentage of faculty who are graduates</b>	<b>BSc.</b>	<b>MSc.</b>
of the same parent university	80%	60%
From other universities within the state	20%	20%
From other universities from other state	NIL	20%

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

**27. Present details about infrastructural facilities**

- a. Library: NIL
- b. Internet facilities for staff and students – available in the department
- c. Total number of class rooms - 02
- d. Class rooms with ICT facility: NIL
- e. Students’ laboratories: 2
- f. Research laboratories: NIL

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

**29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology. –** NIL

**30. Does the department obtain feedback from**

- a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it? We have modified our syllabus to address the concerns of the faculty in our autonomous syllabus
- b. students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same? During our staff meetings we discuss the teaching learning process and take short term and long term measures to improve the process.
- c. alumni and employers on the programmes and what is the response of the department to the same? Discussions with alumni and employers suggest that more practical training would have a greater impact on the teaching learning process.



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

Name	Designation	Place
Archana Naik	PhD student	University of Alabama Birmingham
Sagar Jadhav	Sr Marketing Executive	Chromatography World
Rajan Bhikaji Mestri	Scientific Officer-Team Leader	Preventine Life Care Pvt. Ltd.
Asha Maheshwari	PhD student	Tennesse University USA
Padmini Narayanan	PhD student	USA
Sneha Yadav	Jr. Scientific Officer	Preventine Life Care Pvt. Ltd.

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

Name Of The Program/Title Of The Event	Dates	Venue	Names Of The Speakers Called	No Of Students Attended
Tools For A Successful Career In Science	21 <sup>st</sup> January 2010	6 <sup>th</sup> Floor, Satellite Engineering Building	Dr. Ramchandran Ramani, <i>Director</i> Zebrafish Drug Screening Core, Medical College Of Wisconsin	120
BIOZONE	3 <sup>rd</sup> , 4 <sup>th</sup> , 6 <sup>th</sup> & 7 <sup>th</sup> Sept 2010	Seminar Hall	Student Powerpoint Presentations	60
BIOZONE	<b>July 2011</b>	Seminar Hall	Student Powerpoint Presentations	80

<b>2012-13 Programs Conducted By The Department</b>				
Steps In Drug Discovery	30 <sup>th</sup> June 2012	Lecture Seminar Hall	DrSaptashri Paul	
BIOZONE	5 <sup>th</sup> , 6 <sup>th</sup> & 7 <sup>th</sup> Of July 2012	Seminar Hall	Student's Presentations	75
AbhyasMahotsav	15 <sup>th</sup> December 2012	Seminar Hall		95
INTRODUCTION TO CANCER BIOLOGY	8 <sup>th</sup> January 2013	Red Hall, SIMSR	Prof. Sendurai Mani	100
<b>2013-14 Programs Conducted By The Department</b>				
BIOZONE	20-25 <sup>th</sup> June 2013	K.J. Somaiya College		40
Food Adulteration	28 <sup>th</sup> Oct'13	K.J. Somaiya College	Dr. Dixit, Consumer Guidance Society of India	90
Benefits from National facilities for Biopharmaceutical activities	10 <sup>th</sup> August 2013	K.J. Somaiya College	Dr. Ajit Kumar & Ms. Guru Simran Kaur	95
Some Late Night Thoughts On Systems Biology While Listening To The Thelonious Monk	16 <sup>th</sup> Jan'14	SIMSR- Chanakya Building	by Prof Larry Walker, Director, Cornell University	100

2014-15 Programs Conducted By The Department				
BIOZONE	10-14 <sup>th</sup> February 2015	K.J. Somaiya College	Student Powerpoint Presentations	40

33. **List the teaching methods adopted by the faculty for different programmes.**  
Chalk and talk, Power point presentations, Videos, Animations Wordle
34. **How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**  
Exams, dual and triple corrections
35. **Highlight the participation of students and faculty in extension activities.**  
NIL
36. **Give details of “beyond syllabus scholarly activities” of the department.**
- The department of Biotechnology started this activity in 2009-10. Every year department carries out series of presentations by S.Y. & T.Y. students on related biological topics. This event “BIOZONE” is organized by teachers and judged by M.Sc. and T.Y. B. Sc. students.
  - MCQ test on basics (For TYBSc)
  - Goalsheet writing
37. **State whether the programme/ department is accredited/ graded by other agencies. Give details.** NO
38. **Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department**
- Strength:**
- Dedicated staff
  - Coordination amongst staff and other department
- Weakness**
- Space constraint
- Opportunities**
- Better quality students
  - Course is in demand
  - Implementation of new add on courses that can be used by other biological students and help in job placements.
- Challenges :**
- To start interdisciplinary short term courses
39. **Future plans of the department.**  
Introduction of PGDM in Industrial Biotechnology

## **DEPARTMENT OF INFORMATION TECHNOLOGY**

1. **Name of the Department & its year of establishment** : Information Technology  
2001
1. **Names of Programmes/ Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)** : UG – B.Sc.(IT), PG- M.Sc.(IT)
3. **Interdisciplinary courses and departments involved** : Nil
4. **Annual/ semester/choice based credit system** : Semester Based Credit system
5. **Participation of the department in the courses offered by other departments** : Nil

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

	Sanctioned	Filled
Professor	0	0
Associate Professor	0	0
Assistant Professor	6	6

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

Name	Qualification	Designation	Speciali zation	No. of Years of Experi ence	No. of Ph.D. Studen ts guided for the last 4 years
Mr. Prakash Patil	M.Sc. (Physics)	Assistant Professor	Electronics	14	Nil
Mrs. Minal Dive	M.Com. (Management) M.SC.(IT)	Assistant Professor	Managemen & Information Technology	12	--

Name	Qualification	Designation	Specialization	No.of years of Experience	No.of Ph.D. students guided for the last 4 years
Ms. Leena Shewale	M.Sc.(Physics) M.SC.(IT)	Assistant Professor	Electronics I Information Technology	11	--
Mrs. Prajakta Kamble	M.SC.(IT) Diploma in Electronics & Communication) PGD Satellite Communication	Assistant Professor	Information Technology	09	--
Ms. Anushree Sukhi	M.Sc.(IT) PGD(RST & GIS)	Assistant Professor	Information Technology	02	--
Ms. Mousmi Pawar	M.Sc. (Comp.Sci)	Assistant Professor	Information Technology	02	--

8. **Percentage of classes taken by temporary faculty – programme-wise information : 20%**
9. **Programme-wise Student Teacher Ratio : 60 : 1**
10. **Number of academic support staff (technical) and administrative staff: sanctioned and filled : Nil**
11. **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**
12. **Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received : Nil**

**13. Research facility / centre with**

- state recognition : Nil
- national recognition : Nil
- international recognition : Nil

**14. Publications:**

- number of papers published in peer reviewed journals (national / international) 02
- Monographs Nil
- Chapter(s) in Books Nil
- Editing Books Nil
- Books with ISBN numbers with details of publishers Nil
- number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) Nil
- Citation Index – range / average Nil
- SNIP Nil
- SJR Nil
- Impact factor – range / average Nil
- h-index Nil

**15. Details of patents and income generated** Nil

**16. Areas of consultancy and income generated** Nil

**17. Faculty recharging strategies** Nil

**18. Student projects**

- percentage of students who have done in-house projects including inter-departmental : Academic Projects in T.Y.B.Sc.(IT)
- percentage of students doing projects in collaboration with industries / institutes Nil

**19. Awards / recognitions received at the national and international level by**

- Faculty Nil
- Doctoral / post doctoral fellows Nil
- Students 01

**20. Seminars/ Conferences/Workshops organized and the source of funding** (national / international) with details of outstanding participants, if any. Nil

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

**2014-2015**

Name of the Course (refer question no. 2)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
UG	2035	185	151	Please refer Annexure	
PG	124	33	21		

**2015-2016**

Name of the Course (refer question no. 2)	Applications received	Selected	
		Male	Female
UG	1892	170	128
PG	161	29	19

**22. 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	60%	35%	5%	Nil
PG	30%	60%	10%	Nil

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

**24. Student progression**

Students Progression	Percentage against enrolled
UG to PG	25%
PG to M.Phil	--
Ph.D. to Post Doctoral	--
Employed	--
Campus Selection	60%
Other than campus recruitment	10%
Enterpreneures	2%

**25. Diversity of staff**

<b>Percentage of faculty who are graduates</b>	
of the same parent university	84%
From other universities within the state	16%
From other universities from other state	-

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

**27. Present details about infrastructural facilities**

- Library 1994(UG) + 700(PG)
- Internet facilities for staff and students Yes
- Total number of class rooms Three
- Class rooms with ICT facility No
- Students' laboratories Yes 3 in number
- Research laboratories Nil

**23. Number of students of the department getting financial assistance from College. Nil**

**24. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology. Nil**



**25. Does the department obtain feedback from**

- a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it? Nil
- b. students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same? Nil
- c. alumni and employers on the programmes and what is the response of the department to the same? Nil

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

Sr.No.	Name of the Alumni
1	Sagardeep Mantry
2	Dhananjay Bangar
3	HARshad Shirke
4	Sanket Gandhi
5	Prachi Patil
6	Ajinkya Yadav
7	Swamini Mahadik
8	Prasad Kamat
9	Shashank Khot
10	Disha Dharod

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

Lectures under TechnoTalk : 1).Net Technology Mr. Pravin Rohankar  
2) Careers in IT Mr. Dhananjay  
3)Android Technology Mr. Lalit Jain  
4) Cyber Security

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

ICT Based

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

By conducting monthly meeting and review the progress.

**30. Highlight the participation of students and faculty in extension activities.**

Google App. Training by faculties.

**31. Give details of “beyond syllabus scholarly activities” of the department.**

Sports : Bro.. Swapnil Konda  
Sis. Sonali Kadam  
Bro. Omkar Kulkarni  
Cultural : Sis. Pooja Bisht (Theatre)

**32. State whether the programme/ department is accredited/ graded by other agencies. Give details. No**

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

**Strength:**

- Strong Subject knowledge, Uses of innovative techniques(Classroom app.)
- Subject enrichment, good harmony among staff, highest campus placement

**Weakness:** Less awareness amonth the students about recent trends in technology

Opportunities : Short Term Certification courses

Challenges : To arrange required resources.

**34. Future plans of the department.**

To start consultancy

**DEPARTMENT OF COMPUTER SCIENCE**

1. **Name of the Department & its year of establishment** : Computer Science, 2010
2. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) UG – B.Sc.(CS)** : UG-B.Sc. (CS)
3. **Interdisciplinary courses and departments involved** : Nil
4. **Annual/ semester/choice based credit system** : Semester Based Credit system
5. **Participation of the department in the courses offered by other departments** : Conducting lectures for M.Sc. Physics and M.Sc.IT
6. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)**

	Sanctioned	Filled
Professor	Nil	0
Associate Professor	3	0
Assistant Professor		3

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

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Ms. Kirti Amberkar	M.Sc.(Comp. Sci.)	Assistant Professor	Computer Science	3	Nil

Ms. Ritu Arora	MCA	Assistant Professor	Management & Computer Application	4	Nil
Ms. Suchita Mandhare	M.SC.(IT) MCA	Assistant Professor	Management & Computer Application	4	Nil

8. **Percentage of classes taken by temporary faculty – programme-wise information** : Nil
9. **Programme-wise Student Teacher Ratio** : 30 : 1
10. **Number of academic support staff (technical) and administrative staff: sanctioned** : Nil
11. **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
12. **Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received** : Nil
13. **Research facility / centre with**
  - state recognition – Nil
  - national recognition – Nil
  - international recognition – Nil
14. **Publications:**
  - number of papers published in peer reviewed journals (national / international) Nil
  - Monographs Nil
  - Chapter(s) in Books Nil
  - Editing Books Nil
  - Books with ISBN numbers with details of publishers Nil
  - Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) Nil
  - Citation Index – range / average Nil
  - SNIP Nil
  - SJR Nil
  - Impact factor – range / average Nil

- h-index Nil

**15. Details of patents and income generated** Nil

**16. Areas of consultancy and income generated** Nil

**17. Faculty recharging strategies** Nil

**18. Student projects**

- percentage of students who have done in-house projects including inter-departmental: Academic Projects in T.Y.B.Sc.(CS)
- percentage of students doing projects in collaboration with industries / institutes Nil

**19. Awards / recognitions received at the national and international level by**

- Faculty Nil
- Doctoral / post doctoral fellows Nil
- Students Nil

**20. Seminars/ Conferences/Workshops organized and the source of funding (national international) with details of outstanding participants, if any.**  
Nil

**21 Student profile course-wise:**

**2014-2015**

Name of the Course (refer question no. 2)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
UG	726	44	44	Please refer Annexure	

**2015-2016**

Name of the Course (refer question no. 2)	Applications received	Selected	
		Male	Female
UG	699	55	39

**22 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	60%	35%	5%	Nil

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

**24 Student progression**

Students Progression	Percentage against enrolled
UG to PG	-
PG to M.Phil	-
Ph.D. to Post Doctoral	-
Employed	-
Campus Selection	8%
Other than campus recruitment	-
Entrepreneurs	-

**25 Diversity of staff**

Percentage of faculty who are graduates	
of the same parent university	100%
From other universities within the state	-
From other universities from other state	-

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

**27 Present details about infrastructural facilities**

- |   |                    |
|---|--------------------|
| a. Library                                    | 1994(UG) + 700(PG) |
| b. Internet facilities for staff and students | Yes                |
| c. Total number of class rooms                | Three              |
| d. Class rooms with ICT facility              | No                 |
| e. Students' laboratories                     | Yes 2 in number    |
| f. Research laboratories                      | Nil                |

**28 Number of students of the department getting financial assistance from College. Nil**

**29 Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology. Nil**

**30 Does the department obtain feedback from**

- faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it? Nil
- students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same? Nil
- alumni and employers on the programmes and what is the response of the department to the same? Nil

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

Sr.No.	Name of the Alumni
1	Mr. Mohit Vadel
2	Ms. Ruchi Nagrecha
3	Ms. Swapna Jadhav
4	Mr. Mohit Trivedi
5	Mr. Rohan Rasal
6	Ms. Jyosna Vaz
7	Ms. Jaylalita Iyer
8	Mr. Manan Kapadiya

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

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

- ICT Based
- Chalk and Talk
- Practical oriented Demonstration

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

By conducting monthly meeting and reviewing the progress of department.

**35 Highlight the participation of students and faculty in extension activities.**

Google\_app, Agile 2015 (Technical festival event)

**36 Give details of “beyond syllabus scholarly activities” of the department.**

Sports: Bro. Harshad Malusare.

Bro. Vitus Joy.

Cultural: Sis. Susmita Dalvi.

**37 State whether the programme/ department is accredited/ graded by other agencies. Give details. Nil**

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

Strength:

- Strong Subject knowledge, Uses of innovative techniques(Classroom app.)
- Subject enrichment, good harmony among staff

Weakness : High students to teachers ratio

Opportunities : Short Term Certification courses

Challenges : To arrange required resources.

**39 Future plans of the department.: Industry Collaboration**



**DEPARTMENT OF ENVIRONMENTAL SCIENCE**

1. **Name of the Department & its year of establishment :** Environmental Science  
2010-11
2. **Names of Programmes / Courses offered (UG, PG, M.Phil. Ph.D., Integrated Masters; Integrated Ph.D.,etc.) :** P.G. (M.Sc.)
3. **Interdisciplinary courses and involved :** Interdisciplinary course **departments** involves departments of Chemistry, Statistics, Microbiology, Centre for Remote sensing and GIS Biotechnology, Zoology, Botany.
4. **Annual/ semester/choice based credit system :** Semester. **Choice based Credit system(CBGS)**
5. **Participation of the department in the courses offered by other departments**
  - Dr. Elizabeth Abba has been working as a Resource person for M.Sc. Analytical Chemistry( Env. Pollution), CCLT course by Dept. of Chemistry,
  - Dr. Sanjay Joshi, and Dr. Elizabeth are the Examiners for evaluating F.Y.B.Com. Foundation Course Projects related to the environmental studies.
6. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)**

	Sanctioned	Filled
Professor	Nil	0
Associate Professor	3	0
Assistant Professor		2

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

Name	Qualification	Designation	Specialization	No. of Years of teaching at PG level	No. of Ph.D. students
Dr Sanjay Joshi	PhD Zoology	Assistant Professor	Zoology (Entomology)	4years	Nil
Dr Elizabeth Abba	Ph.D. Environmental Science	Assistant Professor	Environmental Science	4 years	Nil

**8. Percentage of classes taken by temporary faculty – programme-wise information-**Since it is an interdisciplinary program 25% lectures are conducted by visiting faculty from various departments, Industries and research institutions.

**9. Programme-wise Student: Teacher Ratio** – 20: 1

**10. Number of academic support staff (technical) and administrative staff: Sanctioned and filled :** NA

**11. 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.

**12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; Total grants received** – Nil

**13. Research facility / Centre with:** Nil

- State recognition.
- National recognition.
- International recognition.

**14. Publications:**

- Number of papers published in peer reviewed journals (National / International): 2
- Monographs : Nil
- Chapter(s) in Books : Nil
- Editing Books: Nil

- Books with ISBN numbers with details of publishers : 21
- Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) Nil
- Citation Index – range / average :Nil
- SNIP: Nil
- SJR : Nil
- Impact factor – range / average :Nil
- h-index :Nil

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

**16. Areas of consultancy and income generated:**

Providing consultancy to Vanashakti, an environmental NGO for analysis of industrial effluent from MIDC, Dombivali and the income generated so far is approximately Rs. 85000-90000/-

**17. Faculty recharging strategies : None.**

**18. Student projects**

- Percentage of students who have done in-house projects including inter-departmental 10%
- Percentage of students doing projects in collaboration with industries / institutes -90%

**19. Awards / recognitions received at the national and international level by**

- Faculty – Dr. Elizabeth Abba was a recipient of Fullbright Scholarship for research in environmental science.
- Doctoral / post doctoral fellows
- Students

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

Students were involved as volunteers for 102<sup>nd</sup> Indian National Congress hosted by University of Mumbai during January 3-7,2015 -Section on Environmental Science and Children science congress .Students prepared a model of Butterfly Garden and also arranged a Photography exhibition during the Indian National Science Congress held during Jan 3-7, 2015 at University of Mumbai.

**21. Student profile course-wise:  
2014-2015**

Name of the Course (refer question no. 2)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
PG	62	23	19	Please refer Annexure	

**2015-2016**

Name of the Course (refer question no. 2)	Applications received	Selected	
		Male	Female
PG	61	17	22

**22. 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
PG	30%	60%	10%	NIL

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

Four students have passed GRE, TOEFL and are pursuing higher education abroad. Four students have passed PET examination conducted by University of Mumbai.

**24. Student progression**

Students Progression	Percentage against enrolled
UG to PG	-
PG to M.Phil	-

Ph.D. to Post Doctoral	-
Employed	-
Campus Selection	10%
Other than campus recruitment	90%
Entrepreneures	-

**25. Diversity of staff**

<b>Percentage of faculty who are graduates</b>	
of the same parent university	Three
From other universities within the state	NITIE(one),
From other universities from other state	One

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

**27. Present details about infrastructural facilities**

- a. Library – We have a departmental library with more than 200 books as well as college library adjacent to the department.
- b. Internet facilities for staff and students internet facility is available
- c. Total number of class rooms - 02
- d. Class rooms with ICT facility – Not available
- e. Students’ laboratories – 02
- f. Research laboratories – 0

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

**29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.**

Before revision of the syllabus , analysis was made but informally.and most current topics were incorporated in the syllabus.. A variety of evaluation methods like group discussion, powerpoint presentations, role plays, projects are used for interna .

**30. Does the department obtain feedback from**

- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?
- b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?
- c. Alumni and employers on the programmes and what is the response of the department to the same?

The department obtains continuous feedback from faculty as well as students during the course as well as after completion of the course. The method of instruction is revised and emphasis is laid on Innovative methods of teaching and experiential learning for this interdisciplinary program.

Some of our Alumni and fresh students are made Members of the Board of studies. Most of the suggestions by our Alumni have been considered during revision of the syllabus for Autonomous Program implemented from 2014-15. The Alumni studying abroad for their master's program continuously give inputs for making our courses up to date. We modified our evaluation process , practical examination question papers etc.

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

1	Ms.Gayatiro Oak	BN Bandodkar College, Thane, State Biodiversity Board – Mangrove Cell	2013-2015 June 2015	Research associate Project Officer, Mangrove Cell, Malyan Dist Sindhudurg Maharashtra
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2	Nikunj Merchant  Ms. Gargi Vijayaraghavan	Bombay Natural History Society Recipient of President's Award under nonacademic category for "Exceptional work in the field of Wildlife rescue on 57 <sup>th</sup> Founder's day 2015 - 16"	September 2013 June - 2015	Student Dual Degree Candidate • Master of Business Administration (MBA) • Master of Science in Sport Management (MS) Isenberg School of Management,
3	Vidisha Sonone	Sandvik Pune	June-2014	CSR officer
4	Aneesh Kale	University of Dublin	March-2014	M.S Environmental Policy and selected for Ph.D. program
5	Mugdha Karmarkar	University of Dublin	March- 2014	MS (Environmental Technology)
6	Samiksha Raorane	The Energy Resources Institute (TERI), Mumbai	August-2013	Research Assistant
7	Yash Mehta	School of Public and Environmental Affairs, University of Indiana, Bloomington, USA	September-2015	Dual Degree Candidate Master of Public Administration. Master of Science in Environmental science.
8	Bhagyshree Grampurhooit	School of Environment Run and managed by Paryavaran	October-2014	Project Coordinator

10	Ms. Jogita Josey	Giriwanawasi Prakalpa – Dahanu Best Student of the year Award 2014 Recipient of “Presidents award for Community Work at the 57 <sup>th</sup> Founders day 2015 – 16”.	June 2015	Project Officer –Rural Development
11	Mr. Rakim Dalwai	Giriwanawasi Prakalpa – Dahanu Recipient of “Presidents award for Community Work at the 57 <sup>th</sup> Founders day 2015 – 16”.	June 2015	Project Officer – Rain water Harvesting

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

- Students are encouraged to participate and present papers during various conferences like a conference on GMOs, Green Health , World Wetlands day, Deoras Memorial lecture series and won prizes for best presentation
- This year a lecture series EYES was organized on every Saturday in the first term

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

A variety of teaching methods are adopted for teaching this multidisciplinary course. Viz

- Audiovisuals – short films, YouTube videos, documentaries on environmental issues are shown and discussed.
- Power-Point presentations
- Use of case studies, handouts, quizzes and debates
- MOOCs on various topics
- Lecture method
- Seminars
- Group discussions



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

By continuous internal evaluation of the student progress the department ensures that the program objectives and learning outcomes are achieved. Students are encouraged to register for MOOCs on latest topics of interest. They are assessed through oral presentations, seminars, role plays and poster presentations.

**35. Highlight the participation of students and faculty in extension activities.**

- A training program on PRA tools was conducted for the MSC Sem I students at Nareshwadi, Dahanu. Thereafter students interacted with nearby villagers to carry out a survey on water harvesting project.
- The staff members from the department visited Environment sanitation Institute, Gujrat during the month of January and a plan was worked out for initiating the sanitation program in some villages in Dahanu district with the help of local government ie Panchayat .
- Students and faculty from the department are actively involved in the river rejuvenation and ground water recharge projects under the guidance of Dr. RajendraSingh, “Water Man of India” in some small villages near Nareshwadi, Dahanu Taluka.
- The students are encouraged to volunteer for Citizen Science program organized by Centre for Experiential learning.

**36. Give details of “beyond syllabus scholarly activities” of the department.**

- Our department has successfully organized an Intercollegiate Environmental Festival called Convergence in the year **February-2012, Sept-2012, 2013 and 2014.**
- Students were given opportunity to participate in an interactive programme on the theme of Environment organized by Sahyadri Channel of Mumbai Doordarshan.

**37. State whether the programme/ department is accredited/ graded by other agencies. Give details.: Not Applicable**

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

**Strength**

- Qualified teaching and nonteaching staff
- Well-equipped laboratory
- Strong network of professionals from NGOs, research institutes and Industry
- Campus with excellent biodiversity

**Weaknesses**

- Interaction with community and participation in campus activities for environmental awareness

- Infrastructure for Use of ICT/ access to internet-. Interactive class rooms
- Env. Microbiology lab

### **Opportunities**

- Developing env. Monitoring and research Centre
- Career guidance and organization of Campus placement interviews
- Consultancy for CSR activities
- Conducting Environmental audit for all institutions on campus
- Increasing public awareness through campaigns, citizen science programs and scientific communication
- organization of short term training programs

### **Challenges**

- Increasing demand for trained and well informed environmentalists
- Getting grants for several environmental awareness activities and research
- Bridging the gap between industrial demands and academic performance.

### **39. Future plans of the department.**

- Development of National Environmental Monitoring Centre
- Launching community projects on -Rain water harvesting and environmental sanitation
- Getting Recognition of the Department as Research centre and recognition of the staff for Ph.D. in Environmental Science
- Developing a training center for guiding students for various competitive examinations like NET/SET, PET etc.
- Initiating Short term certificate courses on Waste Management, Renewable energy resources, Environmental monitoring, Environmental Auditing, Environmental Impact Assessment, Remote Sensing and GIS in Environmental Monitoring,



Dr. Veena Salvi	M.Sc. Ph.D. Post Doc	Asst. Prof	Botany- Cytogenetics,  Protein purification, Characterizat ion	10 Years Research,  4 years Teach.	
Dr. Ashvini Gadre	M. Pharm, Ph.D., Post Doc	Visit Faculty	Pharma	17 Years Teach.  12 Years in Industry	
Mr. Karan Vyas	M.Sc. Bioanalytical Sci	CHB	Bioanalytical	3 Yr Teach	
Name	Qualification	Designation	Specializatio n	No.of years of Experience	No.of Ph.D. tuents guided for the last 4 years
Ms. Tejal Bowlekar	M.Sc.	CHB	Nutraceutical s	1 Yr Teach	
Ms. Priya Thevar	M.Sc.	CHB	Nutraceutical s	1 Yr Teach	
Ms. Nikita Jain	M.Sc.	CHB	Nutraceutical s	1 Yr Teach	

**8. Percentage of classes taken by temporary faculty – programme- wise information:** 53%

**9. Program wise teacher student ratio :** M.Sc.Part-I : 1:18  
M.Sc. Part-II : 1:9

10. **Number of academic support staff (technical) and administrative staff: sanctioned and filled:** NIL
  
11. **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. :** None
  
12. **Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received:** Nil
  
13. **Research facility/centre with :**  
State recognition - NIL  
National recognition - NIL  
International recognition- NIL
  
14. **Publications:** Nil
  
15. **Details of patents and income generated :** NA
  
16. **Areas of consultancy and income generated :** NA
  
17. **Faculty recharging strategies :** NIL
  
18. **Student projects :**  
percentage of students who have done in-house projects including inter-departmental 100 % ( In-house projects (product development) during Semester IV).  
  
percentage of students doing projects in collaboration with industries /institutes 100% (As part of mandatory summer internship of 8 weeks in industries after Semester II.)
  
19. **Awards / recognitions received at the national and international level :**  
NIL

**20. Seminars/ Conferences/Workshops organized and the source of funding (national international) with details of outstanding participants, if any : NIL**

**21. Student profile course-wise :  
2014-2015**

Name of the course	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
PG	45	4	23	Please refer Annexure	

**2015-2016**

Name of the course	Applications received	Selected	
		Male	Female
PG	54	6	31

**22. Diversity of students % (M.Sc.) :**

	% of students from college	% of students from the state	% of students from other state	% of students from other country
Post graduate	18%	78%	11%	NIL

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

**24. Student progression :**

Students Progression	Percentage
UG to PG	N.A.
PG to M.Phil	Nil
PG to Phd	01
Employed	
<ul style="list-style-type: none"> <li>• Campus Selection</li> <li>• Other than Campus recruitment</li> </ul>	<p align="center">NIL</p> <p align="center">78%</p>
entrepreneurs	--

25.

**Diversity of staff: % of faculty :** From Same University – 100%  
Other Uni. Same state NIL

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

**27. Present details about infrastructural facilities :**

- a. Library: 07 books in departmental library
- b. Internet facilities for staff and students: Nil
- c. Total number of class rooms: 01
- d. Class rooms with ICT facility: Nil .
- e. Students' laboratories : One
- f. Research laboratories: Nil

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

**29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology :** NIL

- 30. Does the department obtain feedback from :**
- Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it? Online feed back is taken registered by students (2014-15 onwards).
  - Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same? Appropriate modifications are done as per feed back.
  - Alumni and employers on the programmes and what is the response of the department to the same? Not yet practiced.
- 31. List the distinguished alumni of the department (maximum 10)**
- Ms. Nidhi Shukla (Research fellow with Dr Ahok Vaidya) 2010-12 batch
  - Ms. Madhura Janve (Pursuing Ph.D. In ICT) (2011-13 batch, University topper)
- 32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts: —**
- 33. List the teaching methods adopted by the faculty for different programmes :**  
Industrial visits, Use of ICT
- 34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?**  
Apart from completion of reports, assignments by the students as per the syllabi, frequent surprise discussions are conducted to check if the students have assimilated the course work and have processed it from application point of view. Depending upon the response, suitable suggestions are given and a follow up is maintained.
- 35. Highlight the participation of students and faculty :** Four students have participated in DLLE programme (2014-15, M.Sc. Part I)
- 36. Give details of “beyond syllabus scholarly activities”of the department :**  
Responsibilities were given to the students (M.Sc. Part I) towards maintenance of Departmental laboratory, Chemicals, Glassware, and instruments on rotation basis. This improved the awareness of students about the working and maintenance of laboratory.
- 37. State whether the programme/ department is accredited/ graded by other agencies. Give details :** NIL



**38. Detail any five strengths, Weakness, Opportunities and Challenges (SWOC) of the Department :**

**Strengths** – Versatility of core subject, Versatile staff, Modern Instrumentation

**Weaknesses** – Part time faculty members

**Opportunities** – Research Centre

**Challenges** – Managing with minimal staff, Generating and retaining the curiosity of students for learning.

**39. Future plans of the department:**

- More experiential learning methods,
- A more proximal understanding of Ayurveda,
- Different food systems, Especially Indian style and its versatility.

## **DEPARTMENT OF COMMERCE**

1. **Name of the Department & its year of establishment** : Commerce Dept.(1986)
2. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)** : UG
3. **Interdisciplinary courses and departments involved** : NIL
4. **Annual/ semester/choice based credit system** : Semester
5. **Participation of the department in the courses offered by other departments** : NIL

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

	Sanctioned	Filled
Professor	NIL	NIL
Associate Professor	NIL	NIL
Assistant Professor	02	02

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

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr.Smita Paranjape	M.Com, PhD	Asst.Prof.	H.R.MGT	18	NIL
Ms.Shilpa Sawant	M.Com, Net	Asst.Prof.		04	NIL

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

10. **Programme-wise Student Teacher Ratio :** 120:1
11. **Number of academic support staff (technical) and administrative staff: sanctioned and filled :** NIL
12. **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
13. **Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received** NIL
14. **Research facility / centre with** NIL
- state recognition
  - national recognition
  - international recognition
15. **Publications:**
- number of papers published in peer reviewed journals (national / international) NIL
  - Monographs NIL
  - Chapter(s) in Books NIL
  - Editing Books NIL
  - Books with ISBN numbers with details of publishers NIL
  - number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) NIL
  - Citation Index – range / average NIL
  - SNIP NIL
  - SJR NIL
  - Impact factor – range / average NIL
  - h-index NIL
16. **Details of patents and income generated** NIL
17. **Areas of consultancy and income generated** NIL
18. **Faculty recharging strategies** NIL
19. **Student projects**
- percentage of students who have done in-house projects including inter-departmental 2%
  - percentage of students doing projects in collaboration with industries / institutes NIL

**20. Awards / recognitions received at the national and international level by**

- Faculty NIL
- Doctoral / post doctoral fellows NIL
- Students NIL

**21. Seminars/ Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any.**

NIL

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

2014-2015

Name of the Course (refer question no. 2)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
UG	2622	481	480	Please refer Annexure	

2015-2016

Name of the Course (refer question no. 2)	Applications received	Selected	
		Male	Female
UG	3045	512	470

**23. 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	60%	35%	5%	Nil

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

**25. Student progression**

<b>Student Progression</b>	<b>Percentage against enrolled</b>
<b>UG to PG</b>	<b>20%</b>
<b>PG to M.Phil</b>	<b>1%</b>
<b>PG to Ph.D.</b>	<b>0.1%</b>
<b>Ph.D. to Post- Doctoral</b>	<b>0.1%</b>
<b>Employed</b>	
• <b>Campus Selection</b>	<b>2%</b>
• <b>Other than campus recruitment</b>	<b>98%</b>
<b>Entrepreneurs</b>	<b>1%</b>

**26. Diversity of staff**

Percentage of faculty who are graduates	
of the same parent university	One
From other universities within the state	One
From other universities from other state	NIL

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

**28. Present details about infrastructural facilities**

Library	NIL
Internet facilities for staff and students	NIL
Total number of class rooms 06 Shared by all	
Class rooms with ICT facility	NIL
Students' laboratories	NA
Research laboratories	NA

**29. Number of students of the department getting financial assistance from College. NIL**

**30. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology. NO**

**31. Does the department obtain feedback from NO (College Feedback committee takes feedback)**

faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it?

students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?

alumni and employers on the programmes and what is the response of the department to the same?

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

Sr. No.	Name	Profession
1	Mr.Viral Cheda	Chartered Accountant
2.	Mrs.Prachi Parekh	Chartered Accountant
3.	Mr. Naisar Parekh	Chartered Accountant
4.	Mr. Bhoovid Mule	Working in UCO Bank as Senior manager
5.	Mr. Gandhar Gadgil	Chartered Accountant
6.	Ms. Shivani Mehta	Copywriter in Scheers Infotech Pvt.Ltd
7.	Mr. Avinash Lohana	Principal correspondent in Absolute India

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

**34. List the teaching methods adopted by the faculty for different programmes.**  
Chalk and Talk

**35. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?** Through Students' Response

**36. Highlight the participation of students and faculty in extension activities.**  
NIL

**37. Give details of “beyond syllabus scholarly activities” of the department.**  
NIL

**38. State whether the programme/department is accredited/ graded by other agencies. Give details. NIL**

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

Strength : Qualified and Efficient Staff

Weaknesses : Students' Teacher Ratio

Opportunities : Being autonomous college freedom of changing the syllabus

Challenges : Challenge of changing business environment need of tomorrow.

**Future plans of the department.**

- To set up Commerce LAB'  
To provide practical exposure in the field of commerce.
- Intra campus FEST for Commerce students.

## **DEPARTMENT OF ACCOUNTANCY**

- 1. Name of the Department & its year of establishment** : Accountancy June, 1986
- 2. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

### **Under Graduate Aided Courses**

B.Com      FY Bcom      SY Bcom      TY Bcom

### **Under Graduate Unaided Courses**

B Com (A & F)      FY Bcom      SY Bcom      TY Bcom

B Com ( FM)      FY Bcom      SY Bcom      TY Bcom

B Com (BMS)      FY Bcom      SY Bcom      TY Bcom

### **Post Graduate Aided Courses**

M Com ( Accountancy)      Part I      and      Part II

- 3. Interdisciplinary courses and departments involved** : Basics of accounting and Computerized Accounting using Tally ERP to K J Somaiya college of Engineering for Sem III students as a AUDIT COURSE
- 4. Annual/ semester/choice based credit system** : Semester choice based system
- 5. Participation of the department in the courses offered by other departments**  
NIL
- 6. Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)**

	Sanctioned	Filled
Professor	NIL	NIL
Associate Professor	02	02
Assistant Professor		01



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

Name	Qualification	Designation	Specialization	No. of years of Experience	No. of Ph.D. tuents guided for the last 4 years
CA Manisha Damle	B Com FCA ISA	Asso Professor	Accountancy / Tax/ Fin Management	27	NIL
CA AtulThatte	Mcom ACA LLB	Asso Professor	Cost Accounting /IAPM	24	NIL
Mr.Nikhil Phansekar	M.Com. CA NET	Assist Professor	Accountancy	--	NIL

**8. Percentage of classes taken by temporary faculty – programme-wise information**  
 FY B Com Accountancy subject 20%

**9. Programme-wise Student Teacher Ratio** : 120:1

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

**11. 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

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

**13. Research facility / centre with**

- state recognition NIL
- national recognition NIL
- international recognition NIL

<b>14. Publications:</b>	
• number of papers published in peer reviewed journals (national/international)	3
• Monographs	NIL
• Chapter(s) in Books	NIL
• Editing Books	NIL
• Books with ISBN numbers with details of publishers	NIL
• number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)	
NIL	
• Citation Index – range / average	NIL
• SNIP	NIL
• SJR	NIL
• Impact factor – range / average	NIL
• h-index	NIL
<b>15. Details of patents and income generated</b>	NIL
<b>16. Areas of consultancy and income generated</b>	NIL
<b>17. Faculty recharging strategies</b>	NIL
<b>18. Student projects</b>	
• percentage of students who have done in-house projects including inter-departmental	1%
• percentage of students doing projects in collaboration with industries/institutes	NIL
<b>19. Awards / recognitions received at the national and international level by</b>	
• Faculty	NIL
• Doctoral / post doctoral fellows	NIL
• Students	NIL
<b>20. Seminars/Conferences/Workshops organized and the source of funding (national international) with details of outstanding participants, if any</b>	
NIL	

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

**2014-2015**

Name of the Course (refer question no. 2)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
UG	224	38	64	Please refer	
PG	224	38	64	Annexure	

**2015-2016**

Name of the Course (refer question no. 2)	Applications received	Selected	
		Male	Female
UG	169	45	66
PG	169	45	66

**22. 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	60%	35%	5%	Nil
PG	30%	60%	10%	Nil

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

NIL

**24. Student progression**

Student Progression	Percentage against enrolled
UG to PG	25%
PG to M.Phil	NIL

PG to Ph.D.	NIL
Ph.D. to Post- Doctoral	NIL
Employed <ul style="list-style-type: none"> <li>• Campus Selection</li> <li>• Other than campus recruitment</li> </ul>	NIL
Entrepreneurs	NIL

**25. Diversity of staff**

<b>Percentage of faculty who are graduates</b>	
of the same parent university	01
From other universities within the state	NIL
From other universities from other state	01

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

**27. Present details about infrastructural facilities**

- a. Library – common Library
- b. Internet facilities for staff and students – available
- c. Total number of class rooms
- d. Class rooms with ICT facility - No
- e. Students’ laboratories - NA
- f. Research laboratories - NA

**28. Number of students of the department getting financial assistance from College.** NIL

**29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.**  
**YES**

The new courses when proposed to be introduced following methodology is adopted.

- Assessment of industry requirement for increasing student employability
- Discussion of the course in the Board of Studies
- Student feedback for the course

- Infrastructure assessment
- Developing the course modules
- Implementing the course

**30. Does the department obtain feedback from**

- b. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it? Yes
- c. students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same? Has helped in improving teaching methods
- d. alumni and employers on the programmes and what is the response of the department to the same? Alumni are on the boards of studies

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

NAME	YEAR Of Passing BCOM	Qualification	Job
Vinay Shah	2006	CA CS	Sirjee fabrics Self Empl
Reena Khodtav	2006	MBA(FIN.)	Colgate Business Analysit
Bhakti Dedhia	2006	CA CS	Self practice
Rahul Shah	2003	MMS (FIN.)	Colgate Global Business service pvt.ltd. business analysit
Nayasar Parekh	2006	CA	Senior Manager Haribhakti Chartered Accountants
Rahul Nabiav	2007	MBA	Manager Tinyowl
KajalDawda	2006	PG-HRM	Sr. MIS Executive Rochem Separation Systems pvt ltd
Rahul Thakar	2006	CA	Associate Investment Banking Morgan stanlay
PrachiPareks	2006	CA	Practicing and Career Counselor with WIRC of ICAI
AmeyaVaida	2009	CA	Asst. manager (Audit) Deloitte
Murli Raja N	2009	CA	Asst. manager (Audit) Deloitte

Iswarivaidya	2009	MCOM LLB	Relationship Partner YES Bank
Sameer Jambekar	2009	MMS (MARKETING)	Bafna Motors

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

- Lecture on IFRS ( International financial Reporting Standards ) IND AS by CA Nayasara Parekh director Haribhakti Chartered Accountants
- Career counseling lecture held by Western India Regional Council of Institute of Chartered Accountants of India

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

- Case Study
- Declaration of topic in advance
- Assignments
- Projects on contemporary topics related to subject
- Class discussion and student participation

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

By giving assignments, Internal Evaluation Tests and involving student participation

**35. Highlight the participation of students and faculty in extension activities.**  
Nil

**36. Give details of “beyond syllabus scholarly activities” of the department.**

The student are giving projects which are beyond syllabus Foreg: Theoretical aspects of Tax in classroom sessions and practical aspects of e filing procedures with live cases as projects

**37. State whether the programme/ department is accredited/ graded by other agencies. Give details.**

NIL

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

- Both the faculties being qualified Chartered Accountants are able to handle all subjects relating to accountancy, costing, management accounting, financial management, Direct and Indirect Taxes, IAPM
- Updating the students as per industry requirements

**Weakness**

- Huge student strength to handle

**Challenges :**

- Better placement of students

**Opportunities:**

- Introducing various contemporary courses as per industry requirements to increase the student employability

**39. Future plans of the department.**

- The department is in the process of immediately implementing Computerized Accounting using TALLY ERP soft ware
- Starting E filing short term ADD ON courses for
  - a) Income tax
  - b) Service Tax
  - c) Value Added Tax
  - d) TDS ( Tax Deducted At Source)
  - e) ROC ( Registrar Of Companies )
- NET/SET coaching for commerce students
- Arranging vacation Internship programmers with Insurance and Banking Companies

**DEPARTMENT OF BUSINESS ECONOMICS**

1. **Name of the Department & its year of establishment** : Business Economics, 1986
2. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) –** : under graduate
3. **Interdisciplinary courses and departments involved** : Nil
4. **Annual/semester/choice based credit system** : choice based credit system
5. **Participation of the department in the courses offered by other departments** : Nil
6. **Number of teaching posts sanctioned and filled (Professors / Associate Professors/ Asst. Professors)**

	Sanctioned	Filled
Professor	NIL	NIL
Associate Professor	03	03
Assistant Professor	NIL	01

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

Name	Qualification	Designation	Specialization	No.of years of Experience	No.of Ph.D. tuents guide d for the last 4 yrs
Ms.Malathi R.	M.A., M.Phil	Associate Professor	Industrial and monetary economics	24	Nil



Ms.Chitra Trehan	M.A.	Associate Professor	International and Agricultural economic	24	Nil
Ms.Usha Sukumar	M.A., M.Phil	Associate Professor	Demography and Agricultural economics	22	NIL
Mr.Gulab T.Singh	M.A. NET	Assistant Professor	Economics	--	Nil

- 8. Percentage of classes taken by temporary faculty – programme-wise information** Nil
- 9. Programme-wise Student Teacher Ratio** 120:1
- 10. Number of academic support staff (technical) and administrative staff: sanctioned and filled** Nil
- 11. 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
- 12. Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received** Nil
- 13. Research facility / centre with**
- state recognition Nil
  - national recognition Nil
  - international recognition Nil
- 14. Publications:**
- number of papers published in peer reviewed journals (national / international) 2
  - Monographs Nil
  - Chapter(s) in Books 2
  - Editing Books Nil
  - Books with ISBN numbers with details of publishers 2
  - number listed in International Database (For e.g. Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) Nil

- Citation Index – range / average Nil
  - SNIP Nil
  - SJR Nil
  - Impact factor – range / average 2
  - h-index Nil
- 15. Details of patents and income generated Nil**
- 16. Areas of consultancy and income generated Nil**
- 17. Faculty recharging strategies Nil**
- 18. Student projects**
- percentage of students who have done in-house projects including inter-departmental Nil
  - percentage of students doing projects in collaboration with industries / institutes Nil
- 19. Awards / recognitions received at the national and international level by**
- Faculty Nil
  - Doctoral / post doctoral fellows Nil
  - Students Nil
- 20. Seminars/ Conferences/Workshops organized and the source of funding (national international) with details of outstanding participants, if any. Nil**
- 21. Student profile course-wise:**  
2014-2015

Name of the Course (refer question no. 2)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
UG	2773	481	480	40	50

2015-2016

Name of the Course (refer question no. 2)	Applications received	Selected	
		Male	Female
UG	3045	510	469

**22. 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	60%	35%	5%	Nil

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

**24. Student progression**

Student Progression	Percentage against enrolled
UG to PG	60
PG to M.Phil	NIL
PG to Ph.D.	NIL
Ph.D. to Post- Doctoral	NIL
Employed	
<ul style="list-style-type: none"> <li>• Campus Selection</li> <li>• Other than campus recruitment</li> </ul>	02
Entrepreneurs	NIL

**25. Diversity of staff**

<b>Percentage of faculty who are graduates</b>	
of the same parent university	2
From other universities within the state	Nil
From other universities from other state	1

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

**27. Present details about infrastructural facilities**

- a. Library Yes
- b. Internet facilities for staff and students Yes
- c. Total number of class rooms 15
- d. Class rooms with ICT facility No
- e. Students' laboratories -
- f. Research laboratories -

**28. Number of students of the department getting financial assistance from College.** 20

**29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.** No

**30. Does the department obtain feedback from**

- a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it? No
- b. students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same? Yes, good response.
- c. alumni and employers on the programmes and what is the response of the department to the same? Yes, good response.

**31. List the distinguished alumni of the department (maximum 10)** Nil

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

**33. List the teaching methods adopted by the faculty for different programmes.**  
Chalk & board

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

- 35. Highlight the participation of students and faculty in extension activities.**  
NA
- 36. Give details of “beyond syllabus scholarly activities” of the department.**  
NA
- 37. State whether the programme/ department is accredited/ graded by other agencies. Give details.** NA
- 38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department**  
Strength – qualified staff,  
Opportunities - scope for interdisciplinary programmes,  
Challenges – large students to minimum staff
- 39. Future plans of the department.**
1. Interdisciplinary programmes
  2. Workshops for students

**DEPARTMENT OF BUSINESS COMMUNICATION**

1. **Name of the Department & its year of establishment** : Business Communication  
1986
  
2. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)** : UG
  
3. **Interdisciplinary courses and departments involved** : NIL
  
4. **Annual/ semester/ Choice based credit system** : Choice based credit system
  
5. **Participation of the department in the courses offered by other departments :**
  - Lectures in Communication Skills for the NCC Course
  - Workshop on Group Discussion in Abhyas Mahotsav of Chemistry Department
  - Workshop on Interview Skills for MSc (Zoology) students
  
6. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)**
  
- 7.

	Sanctioned	Filled
Professors	--	--
Associate Professors	01	01
Asst. Professors	--	--

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

Name	Qualification	Designation	Specialization	No.of Years of Experience	No.of Ph.D. students guided for the last 4 years
Dr.Hemangi Bhagwat	M.A, M.Phil, Ph.D. , D.C.J	Associate Professor	Aesthetics (At P.G.) Drama (Ph.D.)	25 years	7 students registered 1 student submitted thesis

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

**19. Programme-wise Student Teacher Ratio** Business Communication: 380: 1  
Basic English : 380: 1

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

**21. 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** - Project

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

**23. Research facility / centre with**

- state recognition Nil
- national recognition Nil
- international recognition Nil

N. A. (Being a Science and Commerce college Arts faculty research centre not permitted. Students are registered through Department of English, Kalina)

**24. Publications:**

- \* number of papers published in peer reviewed journals (national / international) : Seven
- \* Monographs : --
- \* Chapter(s) in Books : One
- \* Editing Books : --
- \* Books with ISBN numbers with details of publishers : --
- \* Political Theatre of Bertolt Brecht: Ideology and Dramaturgy, Lambert Publishing, Germany, December 2014,
- \* Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)
- \* Citation Index – range / average --
- \* SNIP --
- \* SJR --
- \* Impact factor – range / average --
- \* h-index --

**15. Details of patents and income generated : NIL**

**16. Areas of consultancy and income generated : NIL**

**17. Faculty recharging strategies :**

**18. Student projects**

- percentage of students who have done in-house projects including inter-departmental : NIL
- percentage of students doing projects in collaboration with industries /



institutes : NIL

**19. Awards / recognitions received at the national and international level by**

- Faculty
- Doctoral / post doctoral fellows
- Students

**20. Seminars/ Conferences/Workshops organized and the source of funding (national/ international with details of outstanding participants, if any.**

NIL

**21. Student profile course-wise:  
2014-2015**

Name of the Course (refer question no.2)	Application received	Selected		Pass Percentage	
		Male	Female	Male	Female
UG	2622	195	79	Please refer Annexure	

**2015-2016**

Name of the Course (refer question no.2)	Application received	Selected	
		Male	Female
UG	3045	208	167

**22. Diversity of Students**

Name of the Course (refer question no.2)	% of student from the college	% of students from the state	% of students from other states	% of students from other countries
UG	60%	35%	5%	NIL

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

**24. Student progression : N A (subject is taught at the first year B Com)**

Student Progression	Percentage against enrolled
UG to PG	--
PG to M.Phil	--
PG to Ph.D.	--
Ph.D. to Post – Doctoral	--
Employed	
<ul style="list-style-type: none"> <li>• Campus Selection</li> <li>• Other than campus recruitment</li> </ul>	--
<ul style="list-style-type: none"> <li>• Entrepreneurs</li> </ul>	--

**25. Diversity of staff**

Percentage of faculty who are graduates	
of the same parent university	100%
From other universities within the state	--
From other universities from other state	--

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

**27. Present details about infrastructural facilities**

- \* Library : College library
- \* Internet facilities for staff and students : NIL
- \* Total number of class rooms : 3
- \* Class rooms with ICT facility: NIL

\* Students' laboratories : NA

\* Research laboratories : N A

**28. Number of students of the department getting financial assistance from College.** N.A.

**29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology.** N.A.

In the BOS meeting, the feedback from the students and industry experts was taken. Accordingly few additions were made in the syllabus.

**30. Does the department obtain feedback from**

a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it? N.A.

b. students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same? :  
Feedback Committee collects feedback from the students.

c. alumni and employers on the programmes and what is the response of the department to the same? N.A.

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

Not available

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

As a part of Women Development Cell and Students Welfare Committee programmes were organized on women safety, Emotional Intelligence.

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

Mainly chalk and talk method. Students are encouraged to try Public Speaking, presentation as a part of tutorial activity.

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

To ensure that programme objectives are met, feedback from the students is obtained in the classroom. Also from the performance of the students in the test, one can evaluate the learning outcomes.

**35. Highlight the participation of students and faculty in extension activities.**

Nil

**36. Give details of “beyond syllabus scholarly activities” of the department.**

Nil

**37. State whether the programme/ department is accredited/ graded by other agencies. Give details.**

N A

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

Strength : The subject is applicable and practically relevant.

The faculty is qualified and has an extensive experience of conducting the workshops for various programmes.

Weakness : the subject is taught in sem I and Sem II and is not carried forward.

The student teacher ratio( 380:1) doesnot permit individual at tention to the students.

Opportunities: The subject can be introduced in the following semesters and also in other disciplines.

Challenges : To make the subject interesting for the students and to keep it updated.

**39. Future plans of the department.**

To have a language Laboratory for the students.

**DEPARTMENT BCAF/BFM/BMS**

1. **Name of the Department** : BCAF/BFM/BMS(Unaided Accountancy)  
**Year of establishment:** 2003/2008/2010
  
2. **Names of Programmes /** : UG  
**Courses offered (UG, PG, Ph.D., etc.)**
  
3. **Interdisciplinary courses and** : BCAF/BFM/BMS  
**departments involved**
  
4. **Annual/ semester/choice** : Semester based credit system  
**based credit system**
  
5. **Participation of the department in the courses offered by other departments:**  
Nil

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

	Sanctioned	Filled
Professors	--	--
Associate Professors	--	00
Asst. Professors	--	08

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

Name	Qualification	Designation	Specialization	No.of years of Experience	No.of Ph.D. students guided for the last 4 years
CA Monika Lodha	ACA,MC om NET SET	Asst.Prof	Practicing since 2009	5 years	--
Mr.Sachin Acharekar	M.Com. NET SET	Asst.Prof	--	7 years	--
Mr.Santosh Vadhrya	M.Com. NET SET	Asst.Prof	--	6 years	--
Ms.Bharti Makhijani	M.Com. SET, B.Ed., M.Phil	Asst.Prof	--	6 years	--
Ms.Bhavana Patil	M.Com. CFA, NET	Asst.Prof	Finance Analyst	2 yr Industry exp 3 yr Teach	--
Mr.Ayyappa n Iyer	M.Com. NET LLB	Asst.Prof	--	5 yrs teach	--
Ms.Pooja Matlani	M.Com. CFA, NET	Asst.Prof	Finance analyst	2 yr Teach	--
Mr.Chetan Jiwani	M.Com. M.Phil	Asst.Prof	--	5 yr	--
Ms.Pranali Karnik	MA (Eco)	Asst.Prof	--	4 yrs (left for further	--

	NET			prospects	
Ms.Ekta	BE (Comp)	CHB	--	2 yrs	--
Ms.Priyanka Tiwari	M.Sc. (Maths)	CHB	--	0.5 yr	--
Mr.Oberoi	MA Eco	CHB	--	0.5 yr	--

8. **Percentage of classes taken by temporary faculty – programme-wise information:** (CHB)  
BCAF-15%  
BFM-16%  
BMS-16%
9. **Programme-wise Student Teacher Ratio:** BCAf-1:60,BFM -1:60,BMS 1:60
10. **Number of academic support staff (technical) and administrative staff: sanctioned and filled** 00
11. **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 projectwise.** None
12. **Departmental projects funded by DST-FIST; DBT, ICSSR, etc.; total grants received:** Nil
13. **Research facility/centre with**
- state recognition: Nil
  - national recognition: Nil
  - international recognition: Nil
14. **Publications:**
- \* Number of papers published in peer reviewed journals

National - 02

International -05

Poster presentation : National - Nil

International – Nil

\* Monographs - Nil

\* Chapter(s) in Books - E-book -00 ; scientific articles - 00

\* Editing Books – 00

Others: International Paper Presentation/Publication inclusive of above\*-  
19

National Paper Presentation Publication inclusive of above\*- 55

State 33

Total: 107

\* Books with ISBN numbers with details of publishers : Nil

\* Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

\* Citation Index – range / average

\* SNIP

\* SJR

\* Impact factor – range / average

\* h-index

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

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

**17. Faculty recharging strategies: Nil**



**18. Student projects:**

- Percentage of students who have done in-house projects including inter-departmental: **TYBFM (100%) TYBMS (100%)**
- Percentage of students doing projects in collaboration with industries / institutes: **Nil**

**19. Awards / recognitions received at the national and international level by**

- Faculty: Nil
- Doctoral / post doctoral fellows: Nil
- Students: Nil

**20. Seminars/ Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any:**

Nil

**21. Student profile course-wise:  
2014-2015**

Name of the Course (refer question no.2)	Application received	Selected		Pass Percentage	
		Male	Female	Male	Female
UG	3704	244	239	Please refer Annexure	

**2015-2016**

Name of the Course (refer question no.2)	Application received	Selected	
		Male	Female
UG	4998	250	244

**22. Diversity of Students**

<b>Name of the Course (refer question no.2)</b>	<b>% of student from the college</b>	<b>% of students from the state</b>	<b>% of students from other states</b>	<b>% of students from other countries</b>
<b>UG</b>	<b>60%</b>	<b>35%</b>	<b>5%</b>	<b>NIL</b>

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

**24. Student progression**

<b>Student progression</b>	<b>Percentage against enrolled</b>
UG to PG	<b>NA</b>
PG to Ph.D.	<b>Nil</b>
Ph.D. to Post doc	<b>Nil</b>
Employed * Campus selection * Other than campus recruitment	<b>TCS-06/IRIS-05</b>
Entrepreneurs	<b>2(CA)-Professionals</b>

**25. Diversity of staff:**

<b>Percentage of faculty who are graduates</b>	
of the same parent university	<b>75%</b>
From other universities within the state	<b>25%</b>
From other universities from other state	<b>Nil</b>

26. **Number of faculty who were awarded Ph.D., D.Sc. and D.Litt. during the assessment period:** Nil
27. **Present details about infrastructural facilities**
- a. Library: **Yes**
  - b. Internet facilities for staff and students: **Yes**
  - c. Total number of class rooms: **09**
  - d. Class rooms with ICT facility: **Nil**
  - e. Students' laboratories: **N.A.**
  - f. Research laboratories: **N.A.**
28. **Number of students of the department getting financial assistance from College:** Nil
29. **Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology:** **Not undertaken.**
30. **Does the department obtain feedback from**
- a. Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it? **Online feedback is taken by students.**
  - b. Students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same? **Appropriate modifications are done as per feed back.**
  - c. Alumni and employers on the programmes and what is the response of the department to the same? **Not yet practiced.**

**31. List the distinguished alumni of the department (maximum 10):**

- Mr.Dhagash Chande ( Asst. Manager at Dena Bank)
- CA Viral Jain
- CA Manisha Kasaram
- Ms,Niyati Vorani(MBA)
- Mr.Dushyant Thakur(Birla Sunlife)
- Harshad poojary Tata consultancy service
  
- Akshay alva cmc – Tata enterprise
- Akshita jain cmc – Tata enterprise
- Anup singh cmc – Tata enterprise
- Yogesh bambadekar - Aegis ltd

**32. Give details of student enrichment programmes (special lectures / workshops / seminar) with external experts. **Guidance Lecture for TYBCAF, Prism “ Workshop cum Lecture Series****

In order to provide experiential learning and insight to practical implication in the field of Finance & Accountancy to the learners of Organisation pursuing program BCAF ,Workshop cum lecture series named “ Prism-Real World, Real Experience” was organised by Department of Accountancy -Bachelor of Commerce (Accounting & Finance).All the Session began with Campus Prayer,welcome speech & Introduction of the Guest Speaker.

Date , Day & Time	Speaker’s Name & qualification	Topic	No.of Students attended
2 <sup>nd</sup> September, 2014	Mr. Sanjay. Premchandani VES College	Accounting Standards	100
3 <sup>rd</sup> September, 2014	CA.Kajal.Vadhrya CHM College	Revised Schedule VI under Companies Act	108
6 <sup>th</sup> September ,2014	Mr.Dhagash Chande MBA(Finance) Ernst & Young Asst.Branch Manager Dena Bank	Career Counselling	120

Date , Day & Time	Speaker's Name & qualification	Topic	No.of Students attended
6 <sup>th</sup> September, 2014	Mr.Bhadrik Gosar; CA,CS,CWA, CFA (Level 1) Industry experience – 4 yrs with Federal Bank & Edelweiss ARC	Asset Reconstruction	110
11 <sup>th</sup> Sept,2014	Prof.Neha Maru	IFRS-Road ahead	98
12 <sup>th</sup> September, 2014	CA Uday Shetty	Taxation in present scenario	85
13 <sup>th</sup> September, 2014	Ms. Kaushika Vijaykumar CA, Industry experience – 4 yrs	Forensic Accounting	95
13 <sup>th</sup> September, 2014	Dr.Mukund Bapat	Time Management	110
15 <sup>th</sup> September, 2014	CA Atul Thatte	Cost Accounting Standards	106

**33. List the teaching methods adopted by the faculty for different programme:**

- Presentation.
- Industrial visits
- BSE Visit

- 34. How does the department ensure that programme objectives are constantly met and learning outcomes monitored?** Apart from completion of reports, assignments by the students as per the syllabi, frequent surprise discussions are conducted to check if the students have assimilated the course work and have processed it from application point of view. Depending upon the response, suitable suggestions are given and a follow up maintained.
- 35. Highlight the participation of students and faculty in extension activities –** 32 students have participated in DLLE programme. One is Pursuing Honors Program
- 36. Give details of “beyond syllabus scholarly activities” of the department –** Refer to Above Pt. 32
- 37. State whether the programme/ department is accredited/ graded by other agencies. Give details.** NA
- 38. Detail any five Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.**  
Strengths: Versatility of core subject taken by professional  
Weaknesses: Shortage of non-teaching staff members  
Opportunities: Academics, Inter Dept.connectivity and activity  
Challenges: Adjusting visiting faculties in Regular time-table
- 39. Future plans of the department:** More experiential learning methods, Taking into consideration new developments in field of Accountancy, taxation, Finance

**DEPARTMENT OF M.COM(BUSINESS MANAGEMENT)**

1. **Name of the Department & its year of establishment** : M.Com.(Business Management) 2008  
(University by a letter No.PG/2853 of 2008 dated 18<sup>th</sup> June 2008)
2. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)** : PG-M.Com. (Business Management)
3. **Interdisciplinary courses and departments involved** : Commerce and Economics Departments are involved
4. **Annual/ semester/choice based credit system** : Semester – Choice Based Credit System
5. **Participation of the department in the courses offered by other departments** : M.Com. Students Participated in the Seminars conducted by EYES of the Environmental Studies Department
6. **Number of teaching posts sanctioned and filled (Professors/Associate Professors/ Asst. Professors)**

	Sanctioned	Filled
Professor	NIL	NIL
Associate Professor	02	01
Assistant Professor		01

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

Sr. No.	Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. students aided for the last 4 years
1	Dr. Usha Sukumar Iyer	M.A. D.H.E., M.Phil	Visiting faculty	Economics	23 years	NA

		Ph.D				
2	Dr. Shaukat Ali	M.Com., M.Phil Ph.D. L.L.B. & NET	Visiting faculty	Commerce	20 years	07
3	Mr.. Ayyappa n Iyer	M.Com., LL.M NET	Visiting faculty	Commerce	7 years	NA
4.	Dr. Amit Prajapati	M.Com., M.Phil., Ph.D., B.Ed., PGDME, PGDM, MBA(Fin)	Visiting faculty	Commerce	5 years	NA
5.	Mrs. Shanti Acharya	M.A. NET	Visiting faculty	Economics	5 years	NA
6.	Mrs. Shubra Shukla	M.Com NET	Visiting faculty	Commerce	4 years	NA
7.	Mr. Santosh Dube	MBA	Visiting faculty	Commerce	1 year	NA
8.	Mr. Ajit Shah	M.Com. DHE	Visiting faculty	Commerce	20 years	NA

8. **Percentage of classes taken by temporary faculty – programme-wise information** - 100% (M.Com. Part I and Part II)
9. **Programme-wise Student Teacher Ratio ( 1: 60 )** - Students's strength is 60 per class.
10. **Number of academic support staff (technical) and administrative staff :**  
Sanctioned : N.A.
11. **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.** – NA –
12. **Departmental projects funded by DST-FIST; DBT, ICSSR, etc.;** total grants received - NA



- 13. Research facility / centre with** Nil
- state recognition
  - national recognition
  - international recognition
- 14.. Publications:**
- number of papers published in peer reviewed journals (national / international) 21
  - Monographs
  - Chapter(s) in Books : 05  
Dr. Usha Iyer is the sole author of Economics Books For XI, XII, and Business Economics for F.Y.B.com., S.Y.B.Com., T.Y.B.Com., with copyrights from the Ministry HRD., Govt. of India, New Delhi.
  - Edited Books 04
  - Books with ISBN numbers with details of publishers - 03  
**Dr. Usha Iyer :**  
A Book entitled ‘Health Services to Women : An Economic Perspective’ sole authored by Usha Iyer has been published by Lambert Academic Publishing, Saarbruken, Germany with ISBN No. 978-3-8484-0740-8 in April 2012 distributed worldwide by [www.amazonbooks](http://www.amazonbooks); and through online shop as [www.morebooks.de](http://www.morebooks.de)
  - Dr. Dr. Shaukat Ali**  
Management and Production Planning: Himalaya Publishing House Mumbai.  
Export Marketing, Himalaya Publishing House Mumbai.
  - Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) - NA -
  - Citation Index – range / average - NA -
  - SNIP - NA -
  - SJR - NA -
  - Impact factor – range / average - NA -
  - h-index - NA -
- 15. Details of patents and income generated** - NA -
- 16. Areas of consultancy and income generated** - NA -

**17. Faculty recharging strategies** - NA -

**18. Student projects**

- percentage of students who have done in-house projects including inter-departmental - NA -
- percentage of students doing projects in collaboration with industries / institutes - NA -

**19. Awards / recognitions received at the national and international level by**

- Faculty - NA -
- Doctoral / post doctoral fellows - NA -
- Students

Academics :

1. Mayur Sharma – 2012-2014 Has cleared GRE and TOEFL & has left for US for MS in Finance.
2. Nirav Lakhani - 2013-2015 Has cleared GRE and TOEFL & has left for US for MS in Finance.
3. Meet Parekh – 2013-2015 Has cleared GRE and TOEFL.

Sports :

1. Sagar Kharat - Won Gold Medal championship for Body Building competition organized by Mumbai University & also represented University at the All Indian Championship.

**20. Seminars/ Conferences/Workshops organized and the source of funding national / international) with details of outstanding participants, if any.**

- 1) A Seminar- cum-work shop was organized on the title, “Generating awareness against violation of Human Rights”, on 14 the Sep 2012, in Collaboration with **Oasis India**, an international organization. (Report Submitted)

All programs were organized with College funds.

**21. Student profile course-wise: 2014-2015**  
**2014-2015**

Name of the Course PG - M.Com. (Business Management)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female

PG	129	40	57		
----	-----	----	----	--	--

**2015-2016**

Name of the Course PG - M.Com. (Business Management)	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
PG	117	27	53		

**22. Diversity of Students**

Name of the Course PG - M.Com. (Business Management)	% of students from the college	% of students from the state	% of students from other States	% of students from other countries
PG	30%	60%	10%	Nil

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

Three Students have cleared GRE and TOEFIL and one student has left for New Jersey for Masters Program in the Year 2014-15.

- Nirav Lakhani M.Com.(BM)New Jersey for Masters In Finance
- Mayur Sharma M.Com. (BM) Cleared GRE & TOEFL
- Meet Parekh M.Com (BM) Cleared GRE & TOEFL

**24. Student progression**

Student Progression	Percentage against enrolled
UG to PG	NA
PG to M.Phil	NA
PG to Ph.D.	NA

Ph.D. to Post- Doctoral	NA
Employed	
<ul style="list-style-type: none"> <li>• Campus Selection</li> <li>• Other than campus recruitment</li> </ul>	12
Entrepreneurs	0.1%

**25. Diversity of staff**

<b>Percentage of faculty who are graduates</b>	
of the same parent university	<b>37.50</b>
From other universities within the state	-
From other universities from other state	<b>62.50</b>

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

**27. Present details about infrastructural facilities**

- |   |        |
|---|--------|
| a. Library                                    | YES    |
| b. Internet facilities for staff and students | YES    |
| c. Total number of class rooms                | 03     |
| d. Class rooms with ICT facility              | NIL    |
| e. Students' laboratories                     | - NA - |
| f. Research laboratories                      | - NA - |

**28. Number of students of the department getting financial assistance from College. - NA**

**29. Was any need assessment exercise undertaken before the development of new program(s)? If so, give the methodology. - NA -**

**30. Does the department obtain feedback from**

- a. faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize it? - NA -
- b. students on staff, curriculum as well as teaching-learning-evaluation and what is the response of the department to the same?  
Course coordinator & Teachers interact with students to take the feedback and students always want flexible timings.

- c. alumni and employers on the programmes and what is the response of the department to the same?

Alumni Meet is conducted annually which has a favorable response.

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

Christina Salvi , Our NRI Student is now employed in Australia.

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

- The Visiting faculty members from other Institutes come and interact with the students on the subjects and solve their queries.
- Industrial visits are held for practical knowledge and exposure. (Reports Submitted)
- Seminars and workshops are conducted on various topics to create awareness among students.( Ref. point 20)

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

- Lectures
- Case Studies
- Group Discussion on selected topics
- Debates
- Just a Minute Sessions
- Presentations
- Project work
- Home Assignments
- Inviting guest Speakers
- Industrial Visits

Innovative Teaching Techniques are adopted and students are made to do Power Point Presentations.

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

- A mid term Test is conducted as internal Evaluation for 20 Marks.
- Assignment / Projects / Posters/ Viva are conducted and evaluated with the External examiners for 20 marks
- Term-end examination is conducted to evaluate students for 60 Marks.
- Answer Books are moderated by an external examiners

**35. Highlight the participation of students and faculty in extension activities.**

- Industrial Visits are organized annually for exposure to Industries.
- Students visit the Industries and conduct a research survey via a questionnaire on the chosen title and present a report.

**36. Give details of “beyond syllabus scholarly activities” of the department.**

Counselling is done to motivate students for career choices and higher

education abroad.

**37. State whether the programme/ department is accredited/ graded by other agencies. Give details. - NA –**

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

**Strengths:**

- Only College in the campus offering M.Com Business Management.
- Qualified Faculty with industry experience
- Innovative Methods of Teaching
- Research Oriented Project Work
- Industrial Visits for practical exposure

**Weaknesses:**

- Need for full time sanctioned teachers
- Lack of research oriented culture among students
- Time constraints in comparison to the syllabus prescribed by the university

**Opportunities:**

- Scope for Expansion due to increasing demand for Business Management Course
- Growing demand for M.B.A. and courses abroad for which this course is a base
- Dual Degree options for Students

**Threats:**

- Clock Hour Basis (CHB) Teachers are engaged mostly during weekend
- Logistic problems for Visiting Faculty

**Challenges :**

- To tap better companies for campus placements
- Online evaluation for students.

**39. Future plans of the department:**

- To establish a Research Centre and develop a Research culture among students
- Invite Placement companies and ensure 100% placement.
- Collaboration with Industry for Internships.
- To encourage students to get attached in NGO's for social causes.

## **Post accreditation Initiatives**

### **Criteria I –Curricular aspects**

- Started MSc- Environmental Science and M.Sc. Nutraceuticals
- Conferred Autonomous Status in 2012
- Flexibility in syllabus under autonomy
  - Option of Twelve foreign and Indian Languages in lieu of Foundation Course-I
  - Compulsory Elective courses-Biophysics, Research Methodology,CCLT,Communication skills, Nanotechnology, Cyber Security and etc.
  - Sports and Cultural/ Spiritual as a part of Credit Course
- Established Board of Studies in all subject
- Framing of syllabus as per the present requirement
- Library augmentation, inter linking of libraries across Somaiya Vidyavihar

### **Criteria II-Teaching, Learning and evaluation**

- Implementation of Credit-based Grading System in 2011-2012
- Highly qualified teachers
- Remedial and bridge course for students.
- Library of Lectures on you tube.
- Increased participation of students, teachers in national and international conferences.
- Exam reforms under autonomy
  - Security features of mark-sheet
  - Internal evaluation options
  - Dual and Triple blind assessment of papers
- A lecture series in association with University of Mumbai (Enlighten Yourself Every Saturday) EYES
- Learn from stalwarts (Eminent teaching Undergraduate students)
- Summer training programmes
- STAR by DBT and FIST ‘O’ level grant from DST
- Enriching experiences (leveraging alumni)

### **Criteria III-Research and consultancy**

- Central institution lab
- Increased Publications in National and International Journals.
- Increased number of Research guides
- Research Scholars Meet
- Purchase of equipments like GC, HPLC, HPT, FTIR
- Research, Innovation, Incubation and Design Lab Riidle

### **Criteria IV-Students Support and progrenion**

- Prospectus, college website, LCD display
- Online Railway concession
- Personal email ID to all students under Somaiya.edu
- Orientation/Induction programme for first year UG and PG students.
- Student's participation in IQAC, syllabus committee
- Alumni Association
- Departmental festivals like ;Zorilla, Rasayan, Microscope, Health-Fest.

### **Criteria V-Infrastructure and Learning**

- Central instrumentation laboratory
- EBSCO single window search of data base
- Seminar hall
- Well-equipped Exam cell with dedicated staff
- Renovation of Chemistry and Biochemistry lab
- Olympic certified athletic track
- Face reading biometric
- Two additional laboratories

### **Criteria VI-Governance and arrangement**

- MIS software
- Appointment of Deans
- NAAC conference
- Career Advancement Scheme
- Training programmes for teaching and non-teaching staff in office and lab
- Orientation and refresher course for teachers

### **Criteria VII-Innovations and Best Practices**

- Water effluent plants
- Biogas plant
- Botanical garden
- Flexibility in internal evaluation
- A bouquet of 33 compulsory credit courses in Sports, languages, Cultural, Spiritual.
- More synergy with sister institutes.

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राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद्  
विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान  
**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**  
*An Autonomous Institution of the University Grants Commission*

## *Certificate of Accreditation*

*The Executive Committee of the  
National Assessment and Accreditation Council  
on the recommendation of the duly appointed  
Peer Team is pleased to declare the  
K. J. Somaiya College of Science & Commerce  
Vidyanaagar, Mumbai, affiliated to University of Mumbai, Maharashtra as  
Accredited  
at the A level.*

*Date: February 16, 2004*



*Director*

- This certification is valid for a period of *Five* years with effect from February 16, 2004
- An institutional score (%) in the range of 55-60 denotes C grade, 60-65 - C\* grade, 65-70 - C\*\* grade, 70-75 - B grade, 75-80 - B+ grade, 80-85 - B\*\* grade, 85-90 - A grade, 90-95 - A+ grade, 95-100 - A\*\* grade (upper limits exclusive).

# Quality Profile

Name of the Institution : K. J. Somaiya College of Science & Commerce

Place : Vidyanagar, Mumbai, Maharashtra.

Criterion	Criterion Score (C <sub>i</sub> )	Weightage (W <sub>i</sub> )	Criterion X Weightage (C <sub>i</sub> X W <sub>i</sub> )
I. Curricular Aspects	82	10	820
II. Teaching-learning and Evaluation	86	40	3440
III. Research, Consultancy and Extension	90	05	450
IV. Infrastructure and Learning Resources	90	15	1350
V. Student Support and Progression	86	10	860
VI. Organisation and Management	86	10	860
VII. Healthy Practices	85	10	850
		100	$\Sigma C_i W_i = 8630$

$$\text{Institutional Score} = \frac{\Sigma C_i W_i}{\Sigma W_i} = \frac{8630}{100} = 86.30$$

*hasab*  
Director



**Report on the Assessment and Accreditation of institutions**  
**K.J.Somaiya college of Science and Commerce,**  
**Vidyavihar, Mumbai; 400 077**

**PART- I - INTRODUCTION**

The K.J.Somaiya College of Science and Commerce (KJSSC) is one of the educational institutions under the auspices of the Somaiya Vidyavihar Trust of 1960, established by Late Padmabhushan Pujya Shri. Karamshibhai J.Somaiya – a renowned industrialist, philanthropist and visionary. This college was established as an independent Science institution in 1972 and the commerce faculty was added in 1986. Being the only college there- beyond Dadar, Vidyavihar was added further as a suburban railway station. The goal of the founder was to enrich the knowledge of students as also to impart skills in their chosen vocation, inculcate values and provide them opportunities for an all-round growth, to prepare them to face the challenges of life, with appropriate wisdom and ease. The ultimate vision of the college is conveyed as:

**“Vision without action is imagination,  
Action without vision is division,  
Vision and Action are, transformation”**

The specific goals and objectives stated by the Somaiya Trust are -

- To build a strong academia-industry bridge.
- To provide flexibility in the courses offered
- To maintain continuity and consistency in imparting knowledge and skills.
- To proactively adapt to the changing needs of the students and the society.
- To establish a centre for multi-disciplinary research activities.
- To mould individuals who would nurture the cultural heritage of our country and contribute to the betterment of the society.

The interface between the management and administrators of the College has resulted in its progress at various levels and thus fulfilled the motto of the College “*Gnyanadeva tu kaivalyam*, Knowledge leads to sublimity”.

The K.J.Somaiya College of Science and Commerce has submitted his Self-study report to the NAAC (Bangalore) for its assessment and accreditation. The NAAC Bangalore constituted a Peer Team consisting of Prof.R.P.Kaushik, former Member UGC, Professor of International Study JNU (Retd.), Prof.Shakuntala Katre, Chairperson, Department of Zoology and Dean of Science, Bangalore University and

R.P.K

Dr.D.M.Basavaraja, Professor of Commerce, Acharya Tulsi National College of Commerce, Shimoga, as Member Co-ordinator. The Peer Team perused the SSR and the SSA submitted by the institution and visited of the College on 4<sup>th</sup> and 5<sup>th</sup> February, 2004. The Team interacted with the various constituents of the institution, the Management and the Principal. Additional information was also gathered through the documents and personal visits to the departments. The criterion wise report of the Peer team is presented below :

K.J.Somaiya College of Science and Commerce is situated on 66 acres of vast land. It is one among the several institutions of the Somaiya Trust. A five-story building having Vidya Mandir School and Jr.College, S.K.Somaiya College of Arts, Science and Commerce, B.Ed. College I.G.N.O.U. Centre and K.J.Somaiya College of Science and Commerce. On the ground floor, there is a spacious cabin of the Principal, adjacent to it is a small room usually used as visitor's room. The Administrative Office is equipped with Computers, Fax Machine, Xerox Machine. There are small cabins for Registrar, Vice-Principals and the Accountants / Clerks. There are well equipped labs for undergraduate and post-graduate students. There is a storeroom and also Biochemistry Lab, located in the floor. The College has indoor gymkhana having Carrom Boards, Chessboards and table Tennis Table for indoor activities.

There is also a large Canteen on the campus covering the area of 5000 sq.ft.. College has an intercom facility that connects all the departments. The College also uses the seminar rooms of either the Engineering College or the Management College situated on the campus, for conducting its Workshops and Seminars. The College uses the Prayer Hall of K.J.Somaiya Arts and Commerce College situated in the other part of the building for holding other functions.

The College is governed by the guidelines and procedures prescribed by the University of Mumbai, the curricula for the different courses are framed by the Boards of Studies in different disciplines and subjects and are approved by the Academic Council of the University. The syllabus committee appointed by the Board of Studies in each subject, at the University level, helps in designing the curriculum. The College has the option of choosing certain subject combinations at the F.Y., S.Y. and T.Y. levels. The College can select the applied component subjects from the list of subjects suggested by the

B. P. 20



University. It has opted for those applied component subjects which have a direct bearing on the future prospects of the students. The courses offered by the College in Science as well as in Commerce faculties, get listed in the College prospectus.

## Part II: Criterion-wise analysis

### Criterion I: Curricular aspects:

The college offers a total of 18 programmes –two undergraduate (B.Sc., and B.Com.), seven postgraduate (M.Sc.) and 5 self-financing courses. Doctoral programme is offered in four Science subjects. The goals and objectives of the institution are quite clearly stated and systematically communicated to all its constituencies, through the annual prospectus published, and notices displayed to the students from time to time. Having gained experience of managing a large number of diverse educational institutions under the trust, the general goals and objectives have also been periodically reviewed.

There are ten departments under the Science faculty and four under the commerce faculty. The academic pattern of courses is annual for Third Year and PG, while it is semester for First and Second Year Degree Course. In the science faculty, the range of course options offered for the undergraduate degrees are – 11 combinations of three subjects in I year degree. Students major in any of the combinations, with two subjects. Commerce faculty has a regular B.Com. course. Vocational courses are also offered under the self-financing scheme, in both science and commerce faculties. In the final year degree courses. The B.Sc. students have a choice of a variety of applied, career-oriented, elective subjects to choose from the whole B.Com. students have a chance to opt for either computer programming or organization and management as electives. Besides the regular course subjects, the first year and second year students have to study two compulsory papers, one – a foundation course and the other on value education course.

At UG level, two vocational subjects Industrial Chemistry and Biotechnology and two B.Sc. degree courses Biotechnology and Information Technology and one at B.Com. Accounts and finance are offered under the self-financing scheme. Apart from the above, five courses Computer Science, Business Communication, Environmental Studies, Business Law and Accountancy are offered as “add on” courses for the UG students, under the self-financing scheme.

*P. P. K. K.*

Postgraduate degree is offered under the science faculty only, in two streams – by course work (9 subjects) and by research (7 subjects). Doctoral programme is available in four science subjects -- Chemistry – Organic, and/or analytical; Microbiology, Botany and Zoology.

Many of the programmes reflect the goals and objectives of the institution to some extent, as they are skill-based, with a definite practical component for additional skill development. Many of the recently-introduced self-financing UG level courses are notably career-oriented.

Regulated under the affiliating system of the University of Mumbai, the institution does not have the freedom to develop and offer its own curriculum. However, many teachers of the institution have long been associated with the different subject related Boards of Studies, University academic bodies and have been responsible for bringing about changes the syllabi from time to time.

Feedback from academic peers on the teaching programmes of the college, are formally obtained through the conduct of workshops, teachers discussions in the BOS, while that from the employers is not obtained, as there is no provision at present. Online feedback mechanism from students exists in the College.

The college has developed a good number of linkages with specific industrial and educational organizations located in the vicinity, especially related to the science subjects, both for academic and/or research purposes. As per the University requirements, the UG and PG syllabi are unitized but not set to a modular design. Innovations in curricular design at the institution's level is not possible at this stage as it is functioning under the regulations of the affiliating system of the University.

Some of the programmes are interdisciplinary in nature -- Biotechnology, Chemistry, Biochemistry, Microbiology (UG), and Biochemistry at M.Sc.. Many of the past and present teachers of the institution have been actively participating in University-related academic bodies and a few have also been members of the NAAC peer teams and/or taken part in NAAC-organized workshops on Assessment and Accreditation.

#### **Criterion II: Teaching-Learning and Evaluation:**

The institution has an acceptable and transparent admission process. The institution has an acceptable and transparent admission process. The

R. P. K. C.



admissions to the College are based on merit and a due consideration is given for the University/ State Government statutory reservation requirements. The College also follows the pattern of admitting "in-house" students on priority basis. Interviews are also conducted for students at M.Sc. and Ph.D. levels.

While there is no mechanism to test the students knowledge and skills immediately after admission, the UG students are subsequently examined through tutorials, projects and home assignments. The PG students are required to complete seminars and research projects related to their subject of study. The college does not offer remedial or bridge courses. However, the advanced learners are encouraged through one-to-one faculty interactions, and exposure to training at TIFR and BARC. Identified students are also sent for subject Olympiads and some are offered special competitive tasks to perform. Every year, the college selects the 'Best students' at UG and PG levels, based on their overall performance and these students are felicitated. There is keen competitive spirit amongst advanced learners to secure this award.

The institution facilitates the effective running of its teaching-learning process. The teachers are encouraged to make an advanced teaching plan and periodically, the Heads of the respective Departments monitor this plan. Coverage of syllabus as well as effective implementation of the teaching plan is also monitored by the Principal. Topics of the syllabus are distributed to the teachers based on their specializations and personal interest. Unitization of the Syllabus, as directed by the University is followed by the institution.

The lecture method of teaching is supplemented through other learner-centered teaching methodologies such as use of subject-related educational tools, OHP, models, charts, flowcharts and use of multimedia and audio-visual aids. Seminars and study tours are also conducted. Special Tutorials are held in a few subjects. Some teachers also use computer-aided teaching packages. In some subjects, industry visits, Lectures by eminent speakers are also arranged. Subject excursions and educational tours are organized in Geology, Botany and Zoology, to benefit the students through natural history observations.

There is a centralized 'media' facility in the Vice-Principal's chamber for the teachers to prepare audio-visual aids. The college functions for 220 working days out of which, 180 are teaching days. Each full-time permanent teacher engages 20 periods per week and the number of full time teachers is 83. Teaching: Non-teaching staff ratio is 83:99.

*R. S. Rao*



Evaluation methods, rules and regulations of the examinations of the institution are communicated to the students at the beginning of the academic year, through appropriate notices and the annual prospectus. The overall performance of the students is indirectly monitored. As per the University regulations the third year and PG courses are on annual pattern while the first and second year degree courses are on semester/internal evaluation pattern.

Teachers are recruited as per the provisions of the University of Mumbai and the State of Maharashtra. Ad hoc appointments are arranged by the management based on the need and out of their resources. There is a self-appraisal sought from the teachers which is perused by the HOD and Principal for corrective measures (if any). The college also seeks student feedback on teacher performance in specifically designed forms. Annual confidential reports are also sought. Teachers are honored for academic excellence and extra-curricular achievements.

During the last two years, 37 teachers have been benefited through refresher courses 1 taking part as a resource person and only one FIP beneficiary. Nearly 50 academic workshops/seminars have been conducted. 2 Teachers have secured University/state level teaching awards – one for academic excellence and the other for life-time achievement of excellence in academics. 1 teacher has been awarded honorary associate membership of the Royal Society of Chemistry, London.

Few linkages have been established by the institution for teaching programmes. After joining the college, 12 have acquired Ph.D., and 11 their M.Phil. Degrees. NET has been cleared by one teacher and SET by four teachers. 1 FIP has been the beneficiary under the UGC IX plan. All these indicate that the institution is proactive to facilitating the career development of the teaching faculty.

### **Criterion III: Research, Consultancy and Extension:**

The institution has encouraging trends in promoting research culture, amongst its members of the faculty and the students – Post-graduate students follow their research project works in pursuit of research programmes. Teachers are given study leave and provided with some seed money to pursue research. There is a Research Committee to oversee the project proposals and teachers are helped by adjusting their time table, should they be involved in research work. However, as of now only twenty per cent of the teachers are actively involved in research -- 3 full-

*B. D. Kulkarni*



time and 6 part-time teachers. A total of 10 ongoing projects with an outlay of 7,59,000/- have been pursued. One teacher from the Geology department is working on a industry-funded research project. Eleven teachers are have been recognized as guides for the Ph.D. programme of the University, in their respective subjects.

As on date, consultancy is being offered by three teachers, with a consultancy amount of Rs. 5,50,000/- being generated by them. However, consultancy expertise of the teachers is not publicized.

The college has a designated person with additional charge for facilitating the extension programmes of the institution. The broad areas of extension activities include, **Community Development Programmes, Social Work, Adult Education, Literacy promotion, Health and Hygiene Awareness Camps, and Environmental Awareness camps.**

The college plans and implements most of its extension activities through the NSS and NCC. One teacher was awarded Vice-chancellor's Best NCC Officer's award in 2002. College has received Vice-Chancellor's Banner for Best NCC Unit for the year 2002-2003.

#### **CRITERION IV:**

#### **INFRASTRUCTURE AND LEARNING RESOURCES**

The main building has sufficient number of class rooms, separate chambers for Principal and Vice-Principal, Staff room and departmental rooms for various academic departments. The administrative office of the college is situated in the main building. The basement of the main building houses N.C.C., N.S.S. Student Co-operative store and pantry service. The college has separate rooms for boys and girls with amenities like; Newspapers and indoor games and toilet facilities.

The college has a Central Computer Laboratory with 50 computers and latest software, printing and internet facility. Computer lab monitors the computers installed in the Principal, Vice Principal, Administrative Office and Library. The computer center works from morning 7.00 a.m. to 5.30 p.m. It has developed the learning packages for short-term course in Computer Applications. This Centre conducts various courses in computer science and its applications. The computers are maintained through the Annual Maintenance Contract which the College enters into, with an external agency.

*B. P. K. K.*

The College Library is housed in a spacious two-storied buildings with necessary facilities viz; Reading Hall, Cubicles for Staff Members and Research Students; Reference Section, Magazines and Journal Sections and medium sized Meeting Hall. The library has a rich collection of 45,000 books and subscribe to more than 30 journals and magazines in various fields of knowledge. It has a computer facility for the routine and administrative work. The college provides inter-library borrowing facilities. Computerisation of library and interconnecting facility is in progress. The library has rich collection of audio-visual cassettes on different topics. It has reprography facility. The library works on all working days of the college from 7.00 a.m. to 7.00 p.m. The library has an advisory committee consisting of Principal, Vice-Principal, HOD's and Librarian. Library is managed by qualified and experienced staff.

The college has an emphasis on physical education and physical fitness. It has a Gymnasium with modern equipments for physical fitness and exercises. The playground is spread over in a spacious land area. College has plan ground facilities for Football, Volleyball, Badminton and Hand Ball. Besides it has indoor game facilities like; Chess, Carom, Table-tennis etc., The college encourages the outstanding sports persons by providing incentives such as; sports scholarship and prizes, felicitating the sports persons in a special function and awarding number trophies to champions. Special coaching is given to players by professional coaches. The college has produced outstanding sports persons who have represented college at University, State and National level sports activities.

The college organizes regular medical checkup camps for boys & girls students during first year of U.G. & P.G. classes. Medical officer visits the College regularly for medical checkup of the students. The college has N.C.C. Girls wing. The regular upkeep of the college campus is looked after by the menial staff, gardeners and employees in the cleaning department. Campus is maintained beautiful with trees and garden structure.

The entire space in the college is utilized to the optimum level. Its utilization is ensured through departments and committees consisting of staff members working for relevant activities. The infrastructure facilities of the college are used by the external agencies for conducting classes, examinations, tests, seminars etc. The college has hostel facility for boys as well as girls although it is not being fully utilized at present. College also has a Seminar and Conference Hall.

*R. A. K.*



### CRITERION-V: STUDENT SUPPORT AND PROGRESSION

To motivate the student to excel in their academic activities certain incentives are offered. Various types of scholarship are given by Central and State Government. In addition the college provides financial assistances and free education for the student with meritorious achievement in sports, athletics and academics. The college issues a prospectus giving clear guidance to the student about admission, fees and about student support activities.

The college has an Employment Cell and Placement officer to offer counseling to students. The Employment Cell of the College motivate the students for seek-self-employment, Lectures by successful entrepreneurs are arranged in the campus for motivating students to seek proper concerns and choose future plans. Associations like the Study Circle, Library Users Group and facilities like Computer Center and Commerce Laboratory provide sufficient academic support to achieve the academic goals of the student. "Poor boys fund" and "student welfare fund" are used to help the needy student. Personnel counseling, NSS, NCC, are other important activities of the college. The various sports and recreational services available to the student are Nature Club, Debate Club, Student Magazines, Cultural Programmers and Audio-Video facilities. There is a common canteen facility for students in campus.

The students are encouraged to appear in competitive examinations, such as, U.G.C., CSIR and State level services etc. A good number of students have passed competitive examinations and joined various services in this Government.

The college collects feedback regularly from students to assess their progress.

The institutionals provides various recreational facilities to the students through its extra curricular activities.

After Graduation nearly 85 percent of the students go for higher studies. Since college is more than 3 decades old, a number of outstanding students are occupying important positions in industry, business, sports and public life.

*Pr. P. Reddy*

## CRITERION VI: ORGANIZATION AND MANAGEMENT

The college was established in 1972 by the freedom fighters and social reformers. The college has constituted the local managing committee as per the rules laid down by the Maharashtra Universities Act 1994. The college is managed with the help of Admission Committee, Teachers Selection Committee, Library Committee, Purchase Committee, Academic Committee, Research Committee, Examinations Committee and so on. Academic and Administrative Planning in the institution move together. Management techniques and technologies are used by the institution for efficient running of every administrative and academic decision making. The finances of the institution is judiciously allocated and effectively utilized to make its programmes and functioning cost effective. The college has an efficient internal co-ordinating and monitoring mechanism.

The college has a continuous and whole-hearted support of the office bearers of the management and Trust. Management extends valuable support in terms of resource generation and a backup of the infrastructure facilities. The organization of the internal management with the help of teaching and administrative staff is appreciable.

The college has a dedicated team of administrative staff and menial staff. The maintenance of records, keeping of accounts and efficient establishment section are looked after by the seniors in the administration. There is a special committee to prepare academic calendars under the guidance of academic heads. The appointments are made through selection committee after obtaining approval from the appropriate authorities. The college has conducted professional development programme for non-teaching staff. The college has a grievance redressal cell which addresses to the grievances of its employees and students makes efforts to solve the disputes at an early stage. The tuition and other fees charged by the institution are quite reasonable.

The institution has number of welfare programmes for the students as well as for Teaching and non-teaching staff. Staff tea club, indoor games, occasional lunch and dinners, free education to the children, book buying facility are some of the welfare activities. The college has employees Credit Co-operative Society to meet the financial needs of the employees.

*R. P. Kee*



## CRITERION VI

### HEALTHY PRACTICES

The college is a recipient of Research Grants to the tune of Rs:7,59,000.00 from various research finding bodies like U.G.C., University of Mumbai, Godavari Sugar Mills and other institutions. Besides this, the College has also received grants under the Ninth Five Year Plan to the tune of Rs:2,000,000.00.

They have a renowned faculty in the college, some of them being recipients of many prestigious awards. A subject of value Education is introduced as a part of the syllabus. There exists a healthy teacher – students relationship that helps to achieve these objectives. Along with the formal Career Guidance Cell and Counseling Cell, teachers have been guiding the students in various spheres. Some of its staff members have succeeded in establishing good links with other institutions, which are listed below :

- Dr.M.A.Dave has a contract with DuPoint India Ltd., a U.S. based company, to send the compounds synthesized by him and by his research students, as to test their biological activity. Already nine such compounds have been accepted by DuPont in this effect.
- Dr.C.S.Prabhu (retired August 2002) had research collaboration with I.I.T. Mumbai. Some of his students are pursuing their M.Sc. or Ph.D. programmes and they are absorbed in the project work at I.I.T. Mumbai.
- Every year, the F.Y. and S.Y.B.Sc. Industrial Chemistry Students are sent to various Chemical Industries for training Biotechnology (Vocational) students also undergo similar training in industries/laboratories in related fields.
- Botany department has links with Asean Fisheries.
- Zoology department is associated with Konkan Krishi Vidyapeeth, Mangaore University, B.A.R.C. and Cancer Research Institute, there.
- Microbiology Department receives research projects from Godavari Sugar Mills and from Somaiya Organics of the Somaiya Group – an industry dealing with chemicals and perfumes.

*Prof. K. S. Rao*

The College has endeavored to strengthen the regular academic programmes as complementary systems, following self-financing courses have been introduced in the College.

- Industrial Chemistry (Vocational)
  - Biotechnology (Vocational)
  - B.Sc. (Bio-technology) (Self-financing)
  - B.Sc. (IT) (Self-financing)
  - B.Com (Accounts and Finance) (Self-financing)
- The NSS and NCC units of the College have played a major role in training women as well as men students, NCC organizes a blood donation camp every year in the college premises – an average 200 to 300 bottles of blood are collected and supplied to the blood bank, affiliated to hospitals.
  - The NCC unit is affiliated to the First Maharashtra Batallion, the NCC students have participated in the Republic Day Parade, in New Delhi, on 26<sup>th</sup> January. The NCC unit of the college participates in annual camps and gets rigorous training in Community Living and Ammunition. The NCC cadets takes the oath of allegiance to the country and perform a march past during the independence day celebrations in the college.
  - The NSS unit of the college has also been very active in carrying out the need-based community extension activities, such as cleanliness drive, annual camps, providing books to needy students, and other commutes related services.
  - For the allround personality development of the students, the college provides various opportunities to them through various associations. This helps the students to develop their talents by participating in –

Intercollegiate competitions in different areas,

- Quiz competitions,
- General Knowledge Tests,
- Aptitude Tests in different subjects,
- Gymkhana Activities, etc.

Talks by renowned persons are organized by the seminar and workshop committee.

For the better administration of the College, computerization is done in regard to accounts, admission. The college has recently purchased an oracle-based software, which is still being fully developed, to enable



smoother functioning of the college. Library and other departments are in the process of computerization.

A highly efficient mechanism for evaluation exists in the College. The answer books are coded before the assessment, which ensures the highest norms and transparency in the assessment process. All the assessment work is centralized. As per the University norms and regulations, the moderation work is carried out.

The Achievements of some of the Staff Members in Last Three Years are listed Below :

- University of Mumbai Best Teacher's Award –  
Dr.Major (Mrs)S.S.Yeragi
- Vice-Chancellor's Best Commanding Officer Award -  
Dr.Major (Mrs)S.S.Yeragi
- Hon.Members of Royal Society of Chemistry, London.  
Dr(Mrs)P.J.Prabhu
- Research Scientist having his name included in Marqui's Who's Who-  
Dr.C.S.Prabhu
- Reputed guiding teachers whose work is been accepted by multi national industries like Duopont.  
Dr.M.A.Dave

Many guest lectures on Spiritual or related topics were held since 1999. The variety topics covered under this series includes –


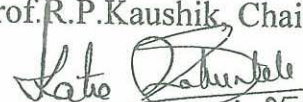
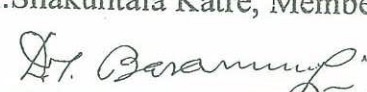
- Dealing with negative emotions
- Intellect and intelligence
- Science and spirituality
- Science and religion
- Stress reduction
- Stress Management
- Joy of achievement
- Essence of Geeta, its application in daily life
- EQ, IQ and SQ (Emotional quotient, Intelligence quotient and spiritual quotient) for the staff and students.
- Einstein and Vedanta
- Value Education-A Geeta way of life
- Team work
- Is living Science or Art

*Rit K...*

## OVERALL ANALYSIS

- It is advisable that the institution of higher education such as Somaiya, may take appropriate steps to bifurcate the Plus Two level institutional work from the UG/PG levels. Although it is a trend discernible all over Maharashtra, but necessary steps in this direction are desirable.
- Library stocks should be increased and it should avail the Inlib Net the Book Bank facility by the UGC to augment its resources.
- The Library and Administrative Office should be automized.
- Various welfare measures for the upliftment of its teaching staff as well as non-teaching staff should be attended to – viz. House loans and study loans etc.
- The College must provide elevators for facilitating its logistics, both for students as well as other members of the community.
- A regular Placement Cell may be provided in the College.
- The College needs to build up its own guest house.
- Certain academic programmes such as M.Com may be provided and extensive elective optional should be provided at UG level.

The Peer Team wishes to place on record its deep appreciation to the Principal, Management and staff of the K.J.Somaiya College of Science and Commerce for all the co-operation in completing assessment process.

1.   
Prof. R.P. Kaushik, Chairman 5<sup>th</sup> Feb 2004
2.   
Prof. Shakuntala Katre, Member 05.02.2004
3.   
Prof. D.M. Basavaraja, Member Co-ordinator 5/2/04

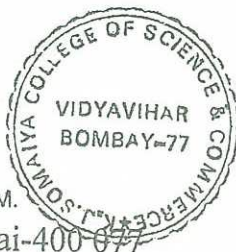
The report is accepted.

  
Dr. R.S. Hande, Principal  
PRINCIPAL

K. J. SOMAIYA COLLEGE OF SC. & COMM.

Vidyavihar, Mumbai-400 077

Date : 5<sup>th</sup> February, 2004.







राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद  
विश्वविद्यालय अनुदान आयोग का स्वयत्त संस्थान

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL  
An Autonomous Institution of the University Grants Commission

# Certificate of Accreditation

*The Executive Committee of the  
National Assessment and Accreditation Council  
on the recommendation of the duly appointed  
Peer Team is pleased to declare the*

*Somaiya Trust*

*K. J. Somaiya College of Science and Commerce  
Vidyavihar, Vidyanagar, Mumbai, affiliated to University of Mumbai, Maharashtra as*

*Accredited*

*with CGPA of 3.21 on four point scale*

*at A grade*

*valid up to September 03, 2015*

*Date : September 04, 2010*



*HARMAN*  
*Director*



FC/53/RAR/03



राष्ट्रीय मूल्यांकन एवं प्रत्यायन परिषद  
विश्वविद्यालय अनुदान आयोग का स्वायत्त संस्थान  
NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL  
An Autonomous Institution of the University Grants Commission

## Quality Profile

Name of the Institution : Somaiya Trust  
K. J. Somaiya College of Science and Commerce  
Place : Vidyavihar, Vidyanagar, Mumbai, Maharashtra

Criteria	Weightage (W <sub>i</sub> )	Criterion-Wise Grade Point Averages (Cr <sub>i</sub> GPA)	W <sub>i</sub> X Cr <sub>i</sub> GPA
I. Curricular Aspects	050	3.40	170
II. Teaching-Learning and Evaluation	450	3.24	1460
III. Research, Consultancy and Extension	100	3.15	315
IV. Infrastructure and Learning Resources	100	3.00	300
V. Student Support and Progression	100	3.60	360
VI. Governance and Leadership	150	3.00	450
VII. Innovative Practices	050	3.00	150
Total	$\sum_{i=1}^7 w_i = 1000$		$\sum_{i=1}^7 (w_i \times Cr_i \text{ GPA}) = 3205$

$$\text{Institutional Score} = \frac{\sum_{i=1}^7 (W_i \times Cr_i \text{ GPA})}{\sum_{i=1}^7 W_i} = \frac{3205}{1000} = \boxed{3.21}$$

Grade =

Descriptor =

Date : September 04, 2010



HARMAJIT  
Director

- This certification is valid for a period of Five years with effect from September 04th, 2010
- An institutional CGPA on four point scale in the range of 3.01 - 4.00 denotes A grade (Very Good), 2.01 - 3.00 denotes B grade (Good), 1.51 - 2.00 denotes C grade (Satisfactory)
- Scores rounded off to the nearest integer

EC/53/RAR/03



**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

An Autonomous Institution of the University Grants Commission  
Ministry of Human Resource Development, Government of India  
P. O. Box 1075, Nagabhavi, Bangalore-560 072, India.  
Phone: +91-80-23005100, 23210261 - 65, Fax: +91-80-23210268/23210270

Provisional Certificate of Accreditation

The Executive Committee of the  
National Assessment and Accreditation Council  
on the recommendation of the duly appointed  
Peer Team is pleased to declare the  
Somaiya Trust

*K. J. Somaiya College of Science and Commerce*  
Vidyasagar, Vidyasagar, Mumbai, affiliated to University of Mumbai, Maharashtra as

**EXCELLENCE CREDIBILITY**  
*Accredited*  
with **CGPA of 3.21** on four point scale

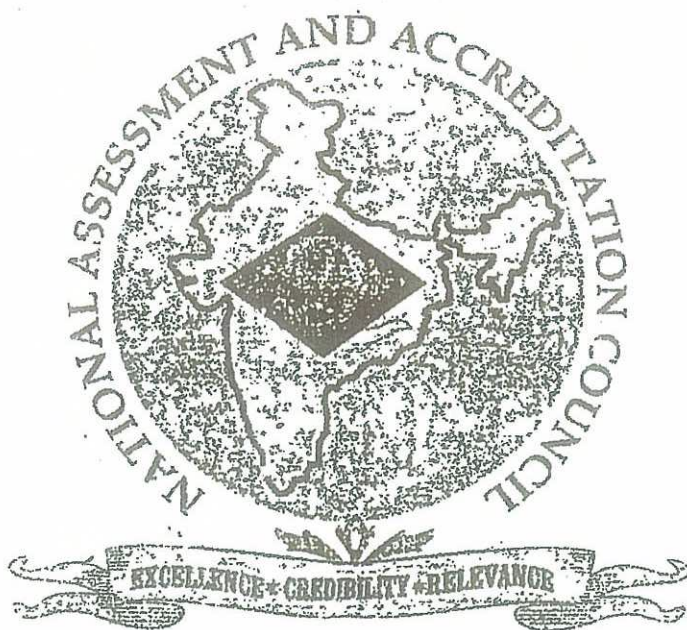
at **A grade**  
valid up to **September 03, 2015**

EC Date : September 04, 2010

*H. Ramani*  
Director

EC/PCRRAR/53/06





Institution Code 08970	CGPA 3.21	Grade A
Entered By <i>[Signature]</i>	Checked By KJ	Verified By <i>[Signature]</i>

**PEER TEAM REPORT**  
**Of**  
 (PTV Date: 22<sup>nd</sup> - 24<sup>th</sup> March, 2010 )  
**Peer Team Report**  
**K.J.Somaiya College of Science and Commerce,**  
**Vidyavihar, Mumbai-400 077**

Section I: GENERAL	Information
1.1 Name & Address of the Institution:  1.2 Year of Establishment:  1.3 Current Academic Activities at the Institution (Numbers): <ul style="list-style-type: none"> <li>• Faculties/ Schools:</li> <li>• Departments/ Centres:</li> <li>• Programmes/ Courses offered:</li> <li>• Permanent Faculty Members:</li> <li>• Permanent Support Staff:</li> <li>• Students:</li> </ul>	K.J.Somaiya College of Science and Commerce, Vidyavihar, Mumbai -400 077  20-06-1960  20 (Science & Commerce)  UG (Science-11) Chemistry, Physics, Mathematics, Botany, Zoology, Geology, Statistics, Microbiology, Biotechnology Information technology and Biochemistry. Commerce-09 Accountancy, Business Communication, Business Economics, Commerce, Business Law, Geography, Financial Markets Accounting and Finance) PG-(Science 09 : Chemistry, Physics, Botany, Zoology, Microbiology, Biochemistry, Geology, Information Technology and Biotechnology commerce-01 Business Management  15 UG Programme : 10+6 PG Programme and Any other 06  Sanctioned 84 filled : 83 (31 M + 52 F) Part time/Contract/Guest Lectures : 11 (04 M + 07 F)+14 Non-teaching Sanctioned : 78 filled 78 UG 2591 PG 331 Ph.D. 17
1.4 Three major features in the institutional Context (As perceived by the Peer Team):	<ul style="list-style-type: none"> <li>• Grant in aid urban based co-education College affiliated to University of Mumbai</li> <li>• Offers good number of UG and PG need based courses in the streams of Science and Commerce</li> <li>• Gives importance to value based education</li> </ul>
1.5 Dates of visit of the Peer Team (A detailed visit schedule may be included as Annexure):	22 <sup>th</sup> -24 <sup>th</sup> March, 2010 Detailed visit schedule attached



1.6 Composition of the Peer Team which undertook the on- site visit:	
Chairman	Prof.Prem Sharda (former Vice-Chancellor) Veer Narmad South Gujarat University, 6/c, Megh Mayur Apartments, Opp.Lourde's Convent School Athwa Lines,Surat-395007 Gujarat
Member	Prof.D.K.Maheshwari, Ex-Dean & Professor Department of Botany and Microbiology Gurukul Kangri University Hardwar-249 404, Uttarkhand
Member	Dr.B.S.Shrikanta Principal, grade-I, RBANMS First grade College 12, Annaswamy Mudaliar Road Bangalore 560042 Karnataka
NAAC Officer	Dr.Sujata P.Shanbhag, Assitant Advisor, Bangalore-560072

Section II: CRITERION WISE ANALYSIS	Observations (Strengths and/or Weaknesses) on Key-Aspects <i>(Please limit to three major ones for each and use telegraphic language (It is not necessary to indicate all the three bullets each time; write only the relevant ones)</i>
<b>2.1 Curricular Aspects:</b>	
2.1.1 Curricular Design & Development:	<ul style="list-style-type: none"> <li>The college being an affiliated institution, follows the curriculum developed by the University of Mumbai, Mumbai.</li> <li>Some teachers are in the Board of Studies Faculty Committees and Academic Council of the University and help in the curriculum design.</li> </ul>
2.1.2 Academic Flexibility:	<ul style="list-style-type: none"> <li>wide range of programme both in UG and PG are available in Science and commerce Streams.</li> </ul>
2.1.3 Feedback on Curriculum	<ul style="list-style-type: none"> <li>Feedback from students, Alumni parents, and academic peer and obtained by formal means.</li> </ul>
2.1.4. Curriculum Update	<ul style="list-style-type: none"> <li>The curriculum is updated by the affiliating University.</li> </ul>
2.1.5 Best Practices in Curricular Aspects (If any):	<ul style="list-style-type: none"> <li>Imparting value based education.</li> <li>Offering value added courses in the department of Geology</li> </ul>

B



<b>2.2 Teaching-Learning &amp; Evaluation:</b>	
2.2.1 Admission Process and Student Profile	<ul style="list-style-type: none"> <li>• Wide publicity is given for admissions to various courses through the news papers, prospectus and College notice Board.</li> <li>• Admission process is transparent; preference given to the students of mother institution in the first 2-3 days</li> <li>• Prescribed rules of reservation of the State Government and the University are followed.</li> </ul>
2.2.2 Catering to the Diverse Needs:	<ul style="list-style-type: none"> <li>• Provide access affordability to all the classes of students</li> <li>• Bridge courses are offered in couple of departments</li> <li>• Gender equity is promoted</li> </ul>
2.2.3 Teaching-Learning Process:	<ul style="list-style-type: none"> <li>• Academic planning is practiced</li> <li>• Class room teaching is predominantly lecture based.</li> <li>• Teaching learning is supplemented by student Seminars, Projects, Industrial visits, Field work etc.</li> </ul>
2.2.4 Teacher Quality:	<ul style="list-style-type: none"> <li>• Qualified teachers are engaging the classes. Out of 83 permanent teachers, 34 teachers are Ph.D. Degree, 24 teachers are M.Phil Degree and 19 percentage of the teachers have passed NET/SET.</li> <li>• The faculty selection is systematic and transparent through the Maharashtra higher Education Commission for the sanctioned posts and the Management Board for the part time appointees.</li> <li>• During the last five years the 10 teachers have acquired Ph.D. Degree and some teachers have won best paper presentation award.</li> </ul>
2.2.5 Evaluation Process and Reforms:	<ul style="list-style-type: none"> <li>• First and Second year UG examinations are conducted by the College as per University norms.</li> <li>• Internal tests are not conducted.</li> </ul>
2.2.6 Best Practices in Teaching-Learning and Evaluation (If any):	<ul style="list-style-type: none"> <li>• Academic Planning is practiced.</li> <li>• College makes education accessible and affordable</li> </ul>
<b>2.3 Research, Consultancy &amp; Extension:</b>	
2.3.1 Promotion of Research:	<ul style="list-style-type: none"> <li>• M.Sc. (by Research) and Ph.D. programmes are offered in four subjects.</li> <li>• 12 teachers are recognized as Ph.D. guides, 23 teachers are recognized as Ph.D. guides and one teacher is M.Phil guide</li> <li>• Research activity amongst the faculty encouraged.</li> </ul>

2.3.2 Research and Publications Output:	<ul style="list-style-type: none"> <li>• Good number of research papers published; one Zoology Faculty member has a exemplary out put.</li> <li>• UGC sponsored minor research projects are undertaken.</li> <li>• 54 papers published in National and International Journals and several books are authored by the faculty in last five years.</li> </ul>
2.3.3 Consultancy:	<ul style="list-style-type: none"> <li>• Some teachers offer informal academic consultancy.</li> </ul>
2.3.4 Extension Activities:	<ul style="list-style-type: none"> <li>• Community oriented activities like blood donation and awareness programmes conducted by NSS and NCC.</li> </ul>
2.3.5 Collaborations:	<ul style="list-style-type: none"> <li>• MoU with MPCB, Patni Computers and some other industries signed.</li> </ul>
2.3.6 Best Practices in Research, Consultancy & Extension (If any):	<ul style="list-style-type: none"> <li>• Faculty motivated for research.</li> </ul>
<i>2.4 Infrastructure and Learning Resources:</i>	
2.4.1 Physical Facilities for Learning:	<ul style="list-style-type: none"> <li>• College building has a built up area of 83750 sq.ft. which accommodates 24 lecture halls, 31 laboratories for UG, PG and Research, library, office, Seminar Hall. Auditorium shared with sister institutions.</li> <li>• Moderate sports facilities made available.</li> </ul>
2.4.2 Maintenance of Infrastructure:	<ul style="list-style-type: none"> <li>• More budgetary allocation be made for the maintenance and repair of infrastructure.</li> </ul>
2.4.3 Library as a Learning Resources	<ul style="list-style-type: none"> <li>• Central library has a total collection of 44228 books.</li> <li>• College library subscribed to 47 National Journals and 06 foreign journals and internet facility available.</li> <li>• Library is partially automated.</li> <li>• Subscribe to EBSCO online "Academic Search Complete" data base</li> </ul>
2.4.4 ICT as Learning Resources:	<ul style="list-style-type: none"> <li>• College has a total of 165 computers.</li> <li>• Computers are maintained by giving AMC to Private firm.</li> <li>• Use of ICT in teaching learning to be strengthened</li> </ul>
2.4.5 Other Facilities:	<ul style="list-style-type: none"> <li>• Hostel, Xerox, Canteen, vehicle parking facility etc.</li> </ul>
2.4.6 Best Practices in the development of Infrastructure and Learning Resources (If any):	<ul style="list-style-type: none"> <li>• Optimal utilization of infrastructure of resources.</li> </ul>
<i>2.5 Student Support and Progression:</i>	
2.5.1 Student Progression:	<ul style="list-style-type: none"> <li>• Catering to all categories of students is fair and drop out rate is negligible.</li> <li>• System of monitoring the progression of the students to higher education and jobs is available.</li> <li>• Pass percentage in the College is higher than the University average.</li> </ul>



2.5.2 Student Support:	<ul style="list-style-type: none"> <li>College disseminates information through prospectus, website and other publications.</li> <li>Financial aid and scholarships to meritorious students and needy students are offered through Government as well as by Management and teachers.</li> <li>Career Guidance, Counselling Services, Placement assistances are provided to a moderate extent.</li> </ul>
2.5.3 Student Activities:	<ul style="list-style-type: none"> <li>Students are encouraged to participate in cultural events and debate and quiz competitions.</li> <li>College magazine published annually provide opportunities to the students to develop writing skills.</li> <li>The Alumni Association started recently helps the College in organizing invited talks and career guidance.</li> </ul>
2.5.4 Best Practices in Student Support and Progression (If any):	<ul style="list-style-type: none"> <li>Promoting values amongst the students.</li> <li>Student progression is monitored.</li> </ul>
<b>2.6 Governance and Leadership:</b>	
2.6.1 Institutional Vision and Leadership:	<ul style="list-style-type: none"> <li>Vision and Mission statement clearly stated.</li> <li>Management is philanthropic.</li> <li>Effective leadership visible.</li> </ul>
2.6.2 Organizational Arrangements:	<ul style="list-style-type: none"> <li>Local Managing Committee as per the University and Govt. norms.</li> <li>Decentralized administration.</li> </ul>
2.6.3 Strategy Development and Deployment:	<ul style="list-style-type: none"> <li>Uses data and feed back for improving academic performance.</li> <li>College needs to prepare a perspective plan document for academic and infrastructure development.</li> </ul>
2.6.4 Human Resource Management:	<ul style="list-style-type: none"> <li>Faculty Self-appraisal system adopted.</li> <li>Faculty encouraged to attend orientation/ refresher Courses, Seminars and Workshops.</li> <li>Faculty motivated to improve their academic qualifications.</li> </ul>
2.6.5 Financial Management and Resource Mobilization:	<ul style="list-style-type: none"> <li>Mobilization of resources through self-financing courses.</li> <li>Accounts audited as per rules.</li> </ul>
2.6.6 Best Practices in Governance and Leadership (If any):	<ul style="list-style-type: none"> <li>Effective delegation in administration</li> </ul>
<b>2.7 Innovative Practices:</b>	
2.7.1 Internal Quality Assurance System:	<ul style="list-style-type: none"> <li>Academic audit carried out.</li> <li>IQAC yet to become functional.</li> <li>Promotion of computer literacy among students and teachers initiated.</li> </ul>

2.7.2 Inclusive Practices:	<ul style="list-style-type: none"> <li>• College adheres to the Govt. reservation policy.</li> <li>• Majority of students are from middle and low income groups.</li> <li>• No gender bias</li> </ul>
2.7.3 Stakeholder Relationships:	<ul style="list-style-type: none"> <li>• Stakeholder Relationship is satisfactory</li> </ul>

<b>Section III: OVERALL ANALYSIS</b>	<i>Observations (Please limit to five major ones for each and use telegraphic language) (It is not necessary to denote all the five bullets for each)</i>
3.1 Institutional Strengths:	<ul style="list-style-type: none"> <li>• Trustees have requisite experience and resources for promoting institutional development.</li> <li>• Teachers have teaching and research competency.</li> <li>• Availability of land for future development.</li> <li>• Being in Mumbai offers access to global opportunities.</li> </ul>
3.2 Institutional Weaknesses:	<ul style="list-style-type: none"> <li>• Weak ICT usage in teaching and learning process.</li> <li>• Lack of sophisticated instruments in PG and Research Labs.</li> <li>• Inadequate sports and Gym facilities.</li> <li>• Botanical gardens not set up.</li> </ul>
3.3 Institutional Challenges:	<ul style="list-style-type: none"> <li>• Developing industrials and institutional linkages.</li> <li>• Emerging as a Global Centre for higher education.</li> <li>• Exploring Professional Consultancy opportunities.</li> <li>• Improving Placement Services.</li> </ul>
3.4 Institutional Opportunities:	<ul style="list-style-type: none"> <li>• Starting UGC sponsored add-on Vocational and Innovative courses.</li> <li>• Setting up well appointed Sports and Fitness Centre.</li> <li>• Setting up a good Botanical Garden, Herberia and Museum.</li> <li>• Introducing courses in Environmental Sciences, Home Science, Industrial Microbiology and Nanotechnology.</li> </ul>

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**Section IV: Recommendations for Quality Enhancement of the Institution**

(Please limit to *ten major ones* and use telegraphic language)

(It is not necessary to indicate all the ten bullets)

- Efforts be made to get Autonomous Status.
- Formulate a perspective plan for academic and infrastructural development.
- Making more effective use of ICT in teaching and learning.
- Remedial coaching and bridge courses be conducted effectively.
- Augment of laboratories space and instrumentation for PG Courses and Research.
- Botanical garden to be set up.
- Sports, Games, Gymnasium and Fitness Centre be established.
- Library automation be made on priority basis.
- Placement Cell and Students Counseling be strengthened.
- In view of large number of girl students, college may explore grants for setting up Women Studies Centre.

*I agree with the Observations of the Peer Team as mentioned in this report.*

 24/03/10

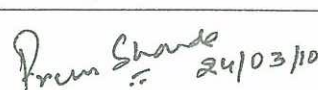
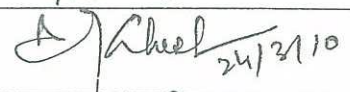
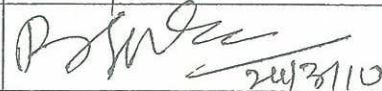
Signature of the Head of the Institution

PRINCIPAL

K J SOMAIYA COLLEGE OF SC & COMM  
VIDYAVIHAR BOMBAY 77

Seal of the Institution

*Signatures of the Peer Team Members:*

Name and Designation		Signature with date
Prof.Prem Sharda	Chairman	 24/03/10
Prof.D.K.Maheshwari	Member	 24/3/10
Dr.B.S.Shrikanta	Member	 24/3/10

Place: Mumbai

Date: 24<sup>th</sup> March, 2010

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# University of Mumbai



AFFILIATION SECTION  
NO. Aff./ICD/2014-15/ 4287  
27<sup>th</sup> March, 2015

## TO WHOMSOEVER IT MAY CONCERN

This is to certify that K. J. Somaiya College of Science & Commerce, Vidyavihar, Mumbai- 400 077, is affiliated to the University of Mumbai since 1960 and the following courses are conducted in the said college.

The said College's name is included under Section 2 (f) & 12 (B) of the UGC Act, 1956.

Sr. No	Courses	Affiliation (Permanent/Temporary)	Validity Period
1	B. Sc. (Chemistry, Biochemistry, Botany, Physics, Zoology, Microbiology, Math's, Statistics, Geology)	Permanent	From 1961
2	B. Sc (Information Technology)	Temporary	From 2001-02 to 2014-15
3	B. Sc. (Computer Science)	Temporary	From 2010-11 to 2014-15
4	B. Sc. (Bio-Technology)	Temporary	From 2002-03 to 2014-15
5	B. Com	Permanent	From 1993
6	B.Com (Accounts & Finance)	Temporary	From 2003-04 to 2014-15
7	B.Com (Financial Market)	Temporary	From 2009-10 to 2014-15
8	B. M. S.	Temporary	From 2010-11 to 2014-15
9	M. Sc. (Chemistry, Biochemistry, Botany, Physics, Zoology, Microbiology, Geology)	Permanent	From 1966
10	M. Sc. (Bio-Technology)	Temporary	From 2008-09 to 2014-15
11	M. Sc (Information Technology)	Temporary	From 2008-09 to 2014-15
12	M. Sc (Environmental Science)	Temporary	From 2010-11 to 2014-15
13	M. Sc. (Neutraceuticals)	Temporary	From 2010-11 to 2014-15
14	M. Com (Accountancy )	Temporary	From 2010-11 to 2014-15
15	M. Com (Business Management )	Temporary	Till 2014-15

This Certificate is issued on the request of the Principal of the said College for submitting the same to the NAAC, Bangalore, according to the request.



*M. A. Khan*  
M. A. KHAN  
REGISTRAR

Ph. 23236351, 23232701, 23237721  
23234116, 23235733, 23232317  
23236735, 23239437, 23239627

Extension No. 413 (CPP-I Colleges)  
UGC Website: [www.ugc.ac.in](http://www.ugc.ac.in)



विश्वविद्यालय अनुदान आयोग  
बहादुरशाह जफर मार्ग  
नई दिल्ली-110 002  
UNIVERSITY GRANTS COMMISSION  
BAHADURSHAH ZAFAR MARG  
NEW DELHI-110 002

F. No. 1-1/2004 (CPP-I/C)

January, 2012

The Principal,  
K.J. Somaiya College of Science & Commerce,  
Vidyavihar (East),  
Mumbai – 400 077,  
Dist. Mumbai,  
Maharashtra.

2.0 JAN 2012

<b>K J SOMAIYA COLLEGE OF SCIENCE &amp; COMMERCE</b> Inward No. 458/137/2012 Date: 23/1/12 Directed to :
---

Sub: - Recognition of K.J. Somaiya College of Science & Commerce, Vidyavihar (East), Mumbai – 400 077, Dist. Mumbai, (Maharashtra) under Section 2 (f) & 12 (B) of the UGC Act, 1956.

Sir,

With reference to your letter dated 26.04.2011 on the above subject I am directed to say that the name of K.J. Somaiya College of Science & Commerce, Vidyavihar (East), Mumbai – 400 077, Dist. Mumbai, (Maharashtra), established in the year of 1960, affiliated to Mumbai University is included in the list of Colleges maintained under Section 2 (f) & 12 (B) of the UGC Act, 1956 under the head 'Non-Government College teaching upto Post-Graduate Degree'. The College is also eligible to receive Central assistance under Section 12 (B) of the UGC Act.

Yours faithfully,

*Sunita Gulati*

(Sunita Gulati)  
Section Officer

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**ANNEXURES**

**LIST OF SUBJECTS**

<b>UG</b>	<b>PG</b>	<b>Research &amp; Ph.D.</b>	<b>Other Courses</b>
<b>UG</b>	<b>PG</b>	<b>Research &amp; Ph.D.</b>	<b>Other Courses</b>
Physics	Physics	Physics (Only for M.Sc. (By Research))	University Certificate in RST & GIS
Chemistry	Chemistry	Chemistry	University Diploma in RST & GIS
Biochemistry	Biochemistry	Biochemistry	Post Graduate Diploma in RST & GIS
Botany	Botany	Botany	
Zoology	Zoology	Zoology	
Geology	Geology	Geology	
Microbiology	Microbiology	Microbiology	
Biotechnology	Biotechnology		
Information Technology	Information Technology		
Computer Science	M.Com.(Bus.Mgmt)		
Mathematics	M.Com.(Accountancy)		
Statistics	M.Sc. (Nutraceuticals)		
Accountancy	M.Sc.(Env.Science)		
Foundation Course			
Business Economics			
Commerce			
Business Law			
Business Communication			
Geography			

**REFRESHER COURSES**

<b>Academic Year</b>	<b>Sr. No.</b>	<b>Name of the Teacher</b>	<b>Date (From &amp; To )</b>	<b>Venue</b>
2011-12	1	Dr.Lolly Jain	26-09-2011 to 15-10-2011	G.N.Khalsa College
	2	Dr.Geeta Nair	12-12-2011 to 30-12-2011	Academic Staff College, Univ.of Mumbai
	3	Mr.Deepak More	12-12-2011 to 30-12-2011	Academic Staff College, Univ.of Mumbai
	4	Mr.A.M.Shaker	12-12-2011 to 30-12-2011	Academic Staff College, Univ.of Mumbai
	5	Mr.Jitendra Pendharkar	12-12-2011 to 30-12-2011	Academic Staff College, Univ.of Mumbai
2012-13	1	Dr.Chandana basu	10-12-2012 to 29-11-2012	Birla College,Kalyan
	2	Dr.Nishamol Kanagt	01-10-2012 to 20-10-2012	Academic Staff College, Univ.of Mumbai
	3	Dr.Vikrant Deshmukh	10-12-2012 to 29-12-2012	Birla College
2013-14	1	Dr.Nishamol Kanat	11-11-2013 to 30-11-2013	Academic Staff College, Univ.of Mumbai
	2	Dr.Yogesh Ghalsasi	11-11-2013 to 30-11-2013	Academic Staff College, Univ.of Mumbai
	3	Dr.Vanita Kulkarni	11-11-2013 to 30-11-2013	Academic Staff College, Univ.of Mumbai
2014-15	1	Ms Smita Survase	08/12/2014 to 30/12/2014	Academic Staff College, Univ.of Mumbai



ORIENTATION COURSES

<b>Academic Year</b>	<b>Sr. No.</b>	<b>Name of the Teacher</b>	<b>Date (From &amp; To )</b>	<b>Venue</b>
2010-11	1	Amit More	12/08/2010 to 09/09/2010	Academic Staff College, Univ.of Mumbai
2011-12	2	Aarti Kore	01/11/2011 to 29/11/2011	Academic Staff College, Univ.of Mumbai
2013-14	3	Anshul Gupta	09/05/2013 to 29/05 2013	Academic Staff College, Aligarh

2010-2011

**Research grants received: Funded by UGC**

Name of the investigator	Title of the project	Total amount sanctioned
Dr. Veena Khilnani Mrs. Asha Rao & (Chemistry)	Ionic Diel's Alder reaction	Rs. 50,000
Dr. Chandana Basu (Chemistry)	To study chemistry of fabric to polymer adhesion	Rs 1,50,000
Dr. Nishamol Kannot (Chemistry)	Synthesis, surface properties and catalytic activities of vanadium supported solid acid catalysts	Rs. 1,00,000
Dr. Yogesh Ghalsasi (Chemistry)	Extractive separation & quantitative estimation of metals with organophosphorous compounds as extractants & application to real samples.	Rs. 1,00,000
Bhanu Raman Snehal Vaidya (Chemistry)	Performance comparison of Cynex 301 and 302 for extractive photometric studies of palladium	Rs 1,85,000/-
Dr. S.M. Pawaskar (Bio-Chemistry)	Biochemical evaluation of Mimosa pudica Linn.	Rs. 80,000
Dr.(Mrs) K. Z. Marolia (Biotechnology)	Heavy metal uptake by micro-organisms and their use in effluent treatment	Rs. 1,60,000
Mrs. S. Saharabuddhe (Business Law)	Cheque – Retrospective & Prospective aspects.	Rs. 1,00,000

**2010-2011**

**Research grants received: Funded by University of Mumbai**

Name of the investigator	Title of the project	Total amount sanctioned
Dr.Chitra Kamath (Chemistry)	Carry out organic reactions by green methods and create awareness among students about environmental issue	Rs.22,000/-
Dr. Veena Khilnani (Chemistry)	Synthetic approaches towards Neolignan Skeleton	Rs.33,750/-
Dr.Sugandha Shetye (Chemistry)	Study of antioxidant activity of polyherbal formulations containing Neolamarckia cadamba	Rs. 20,000/-
Dr. K. C. Sasangan (Botany)	Quantitative estimation of phytochemicals in some medicinal plants	Rs 20,000/-
Kavita Soman (Botany)	Quantitative estimation of phytochemicals in some medicinal plants	Rs. 10,000/-
Dr.(Mrs) Veena Rao (Geology)	GIS based Morphometric Analysis of river basins in Buldana District	Rs 15,000
Dr. S. M. Pawaskar (Biochemistry)	Comparative study of variation in the nutritional status of some vegetables under different storage and packaging conditions	Rs. 30,000/-

**2011-2012**  
**Minor Projects :Funded by UGC**

Name of the investigator	Title of the project	Total amount sanctioned
Mrs. Asha Rao & Dr. Chandana Basu (Chemistry)	To study chemistry of fabric to polymer adhesion	Rs 1,50,000
Dr. Nishamol Kanat (Chemistry)	Synthesis, surface properties and catalytic activities of vanadium supported solid acid catalysts	Rs. 1,00,000
Dr. Yogesh Ghalsasi (Chemistry)	Extractive separation & quantitative estimation of metals with organophosphorous compounds as extractants & application to real samples.	Rs. 1,00,000
Dr.Bhanu Raman Mrs.Snehal Vaidya (Chemistry)	Performance comparison of Cynex 301 and 302 for extractive photometric studies of palladium	Rs 1,85,000/-
Dr.K.Z.Marolia (Biotechnology)	Heavy Metal uptake by Microorganisms and their use in Effluent Treatment.	1.6 l lakhs
Dr.S.G.Yeragi (Zoology)	Survey of edible resource organisms in mangroves of Mithbav Creek	Rs.1,05,000/-

**2011-2012**  
**Research grants received: Funded by University of Mumbai**

Name of the investigator	Title of the project	Total amount sanctioned
Jitendra Pendharkar	Measurement of development of cognitive beliefs over three years of undergraduate studies of science students	9000/-
Jitendra Pendharkar Yogesh Ghalsasi	Study of variations in electrical conductivity of alkali halide solutions during phase change	20000/-
Geeta Nair and Smita Survase	Synthesis and characterisation of NiO nanomaterials	40,000
Ms. Madhavi Jardosh Ms. Arati Kore	Awareness about Railway Smart Card (ongoing)	Rs. 50000/-
.Dr Nishamol Kanat	Synthesis, Surface properties and Catalytic Activity of rare earth modified Solid Acid Catalysts	Rs. 25,000/-
.Dr.Yogesh Ghalsasi	Study of variation in conductance during phase change of alkali halides	Rs.20,000/-

**Funded by Somaiya management -2011-2012**

Name of the investigator	Title of the project	Total amount sanctioned
Mrs.P.N.Damle (Microbiology)	Isolation and Screening of Algae for lipid production	35,000/-
Dr.(Mrs) Lolly Jain (Microbiology)	Biosorption of Lead	66,000/-

**2012-2013  
Research Projects funded by UGC**

Name of the investigator	Title of the project	Total amount sanctioned
Dr.Geeta Nair (PI) Ms.Smita Survase (Co.I)	Synthesis and characterization of metal oxide nanoparticles	1.78 lacs

**2012-2013  
Minor Research projects funded by University of Mumbai**

Name of the investigator	Title of the project	Total amount sanctioned
Dr. Chandana Basu	Effect of Carbon Black and Curing System on Dynamic Mechanical Property of Nitrile Rubber Compound	16,400/-
Dr.Bhanu Raman and Dr.Vanita Kulkarni	Method development and validation of a secondary metabolite from selected medicinal plant	Rs.21,400/-
Dr. Yogesh Ghalsasi	Variation in thermal and ionic conductance of alkali halide solution	Rs. 20,000/-
Dr. Mrs. S. S. Yeragi, Dr. S. G. Yeragi	“Floristic Studies on Sacred Groves of Devgad, Dist-Sindhudurg, Maharashtra State, India”	Rs. 95,000/-
Dr.Lolly Jain	Bioindigo Production by Hydrocarbon degrading microorganisms	Rs.27,400/-
Hemlatta Chakraborty	Study on phosphate solubilizing bacteria	Rs.27,400/-
Dr.Meena Sharma	Calibration of adulteration in fuels by Acoustic method	Rs.27,400/-
Prof. S.K.Saxena J pendharkar (Co. I) Yogesh Ghalsasi	Study of ultrasonics	Rs.27,400/-
Prof. Ranjana Shukl Dr.Geeta Nair Ms.Smita Survase	Cognitive framework for analyzing and understanding the difficulty faced by student’s in solving numericals inPhy.	Rs.31,400/-

**2013-2014**

**Minor Research Projects :Funded by UGC**

Name of the investigator	Title of the project	Total amount sanctioned
Dr.Vanita Kulkarni Dr. Bhanu Raman (Chemistry)	Standardization and Evaluation of Antimicrobial and anti-oxidant potential of selected medicinal plants	Rs. 80,000/-

**2013-2014**

**Research ProjectsFunded by University of Mumbai:**

Name of the P.I. & Co.I.	Title of the project	Amount sanctioned
Ms. Smita Survase Dr.Geeta Nair (Physics)	Synthesis and charachterization of CdTe	30,000/-
Mr.Anshul Gupta Mr S K Saxena J Pendharkar (Phy)	Development of low cost open source e-content for support in Physics laboratory	12, 000/-
Dr. Vikrant Deshmukh (Zoology)	Ecological studies of Taloje creek (Navi Mumbai)	20,000/-
Dr.P.J.Prabhu (Chemistry)	Specialization & identification of phytochmeicals in Gardenia Jasminade, by HPTLC method	Rs.25,000/-
Dr.Veena Khilnani (Chemistry)	Ivestigation of Bioactivities of Nymphaea nouchali	Rs.25,000/-
Dr.Vanita Kulkarni Dr.Bhanu Raman (Chemistry)	Thermodynamic study of Distribution of benzoic acid derivatives in different solvent systems	Rs.20,000/-
Dr.Samidha Pawaskar (Biochemistry)	Development of Nutritive and antioxidant rich chocolates	Rs.25,000/-
Dr.Unnathi Padalia (Microbiology)	Plasmid profile analysis of multidrug resistant strains producing ESBL from UTI of diabetic patients.	Rs 25,000/-



**2014-2015**

**Minor Research Projects :Funded by UGC**

Name of the investigator	Title of the project	Total amount sanctioned
Mr.Anshul Gupta	Optical Properties of dye doped polymers and their application as sensor	1,80,000/-

**2014-2015**

**Funded by University of Mumbai:**

Name of the P.I. & Co.I.	Title of the project	Amount sanctioned
Mr. Jitendra Pendharkar	Synthesis and characterization of metal oxide nano fluids.	Rs.30,000/-
Dr. Hemangi Bhagwat	Contemporary relevance of Mahabharata	Rs.40,000/-
Mrs Soniya Shetty	Comparative study of fungi with high transfructosylating activity for FOS production and its effect on probiotic culture.	Rs.20,000/-

SOMAIYA VIDYAVIHAR'S

K.J. SOMAIYA JUNIOR COLLEGE OF SCIENCE AND COMMERCE

CASH

VIDYAVIHAR, MUMBAI - 400 077

INCOME AND EXPENDITURE STATEMENT AS ON 31ST MARCH 2011 (AIDED)

EXPENDITURE	SCH.	AS ON 31.03.11	AS ON 31.03.10	INCOME	SCH.	AS ON 31.03.11	AS ON 31.03.10
TO COST OF EMPLOYEES	E - 1	29569015.00	23734809.00	BY AIDED COURSES FEE	I - 1	1210571.00	801883.00
TO ACADEMIC EXPENSES	E - 2	337766.00	623346.17	BY SALARY GRANTS	I - 3	29569015.00	23734809.00
TO ADMINISTRATIVE EXPENSES	E - 3	227285.43	1300614.18	BY MISCELLANEOUS INCOME	I - 2	176089.00	180278.00
TO DEPRECIATION	E - 4	93427.00	102105.00	BY EXCESS OF EXPENDITURE OVER INCOME TRANSFERRED TO BALANCE SHEET		0.00	1227553.35
TO GYMKHANA & EXTRA CURRICULAR EXPENSES	E - 5	93084.00	183649.00				
TO EXCESS OF INCOME OVER EXPENDITURE TRANSFERRED TO BALANCE SHEET		635097.57	0.00				
TOTAL		30955675.00	25944523.35	TOTAL		30955675.00	25944523.35

AS PER OUR REPORT OF EVEN DATE  
FOR N DESAI & CO.  
CHARTERED ACCOUNTANTS

(V.N. DESAI)  
MEM. NO. 106361

*(Signature)*  
PRINCIPAL

K. J. SOMAIYA JUNIOR COLLEGE OF SCIENCE AND COMMERCE

*(Signature)*

HON. SECRETARY  
GOVERNING BODY

CASH

SOMAIYA VIDYAVIHAR'S

K.J. SOMAIYA JUNIOR COLLEGE OF SCIENCE AND COMMERCE

VIDYAVIHAR, MUMBAI - 400 077

INCOME AND EXPENDITURE STATEMENT AS ON 31ST MARCH 2011 (UNAUDITED)

EXPENDITURE	SCH. I	AS ON 31.03.11	AS ON 31.03.10	INCOME	SCH.	AS ON 31.03.11	AS ON 31.03.10
COST OF EMPLOYEES	E - 6	1222732.00	1044998.00	BY UNAIDED COURSES FEE	I - 4	3162792.00	3125238.00
ADMINISTRATIVE EXPENSES	E - 7	692488.00	54414.00	BY MISCELLANEOUS INCOME	I - 5	1048155.53	916115.26
DEPRECIATION	E - 8	34372.00	45830.00				
GYMKHANA & CULTURAL ACTIVITIES	E - 9	9600.00	0.00				
EXCESS OF INCOME OVER EXPENDITURE TRANSFERRED TO BALANCE SHEET		2251755.53	2896111.26				
TOTAL		4210947.53	4041353.26	TOTAL		4210947.53	4041353.26

FOR OUR REPORT OF EVEN DATE  
DR N N DESAI & CO.  
CHARTERED ACCOUNTANTS

N. DESAI  
F.M. NO. 106361

K. J. SOMAIYA JUNIOR COLLEGE OF SCIENCE AND COMMERCE  
PRINCIPAL

HON. SECRETARY  
GOVERNING BODY

SOMAIYA VIDYAVIHAR'S  
K.J. SOMAIYA COLLEGE OF SCIENCE AND COMMERCE

CASH

VIDYAVIHAR, MUMBAI - 400 077

INCOME AND EXPENDITURE STATEMENT AS ON 31ST MARCH 2012 ( AIDED COURSES)

EXPENDITURE	SCH.	AS ON 31.03.12	AS ON 31.03.11	INCOME	SCH.	AS ON 31.03.12	AS ON 31.03.11
TO COST OF EMPLOYEES	E - 1	89,715,889	86,419,902	BY AIDED COURSES FEE	I - 1	6,902,967	7,746,335
TO ACADEMIC EXPENSES	E - 2	4,503,663	4,377,807	BY SALARY GRANTS		88,014,110	88,437,554
TO ADMINISTRATIVE EXPENSES	E - 3	4,006,425	2,443,694	BY MISCELLANEOUS INCOME	I - 2	1,137,166	917,844
TO DEPRECIATION		3,467,848	2,100,877	BY EXCESS OF EXPENDITURE OVER			
TO GYMKHANA & EXTRA CURRICULAR EXPENSES	E - 4	1,162,102	937,501	INCOME TRANSFERRED TO BALANCE SHEET		6,801,684	
TO EXCESS OF INCOME OVER EXPENDITURE TRANSFERRED TO BALANCE SHEET			821,952				
TOTAL		102,855,927	97,101,733	TOTAL		102,855,927	97,101,733

AS PER OUR REPORT OF EVEN DATE  
FOR N N DESAI & CO.  
CHARTERED ACCOUNTANTS



*V N Desai*

(V.N. DESAI)  
MEM. NO. 106361

*V N Desai*  
PRINCIPAL  
K. J. SOMAIYA COLLEGE OF SCIENCE AND COMMERCE

*MS*

HON. SECRETARY  
GOVERNING BODY



CASH

K.J. SOMAIYA COLLEGE OF SCIENCE AND COMMERCE

VIDYAVIHAR, MUMBAI - 400 077

INCOME AND EXPENDITURE STATEMENT AS ON 31ST MARCH 2012 ( UNAUDITED COURSES)

EXPENDITURE	SCH.	AS ON 31.03.12	AS ON 31.03.11	INCOME	SCH.	AS ON 31.03.12	AS ON 31.03.11
TO COST OF EMPLOYEES	E - 5	14,402,193	8,334,621	BY UNAUDITED COURSES FEE	I - 3	13,226,429	13,157,060
TO ACADEMIC EXPENSES	E - 6	430,482	320,403	BY MISCELLANEOUS INCOME	I - 4	4,825,298	3,332,752
TO ADMINISTRATIVE EXPENSES	E - 7	4,245,738	6,573,358	BY EXCESS OF EXPENDITURE OVER INCOME TRANSFERRED TO BALANCE SHEET			77,401
TO DEPRECIATION		1,233,431	986,481			2,263,125	
TO GYMKHANA & EXTRA CURRICULAR EXPENSES	E - 8	3,008	352,350				
TO EXCESS OF INCOME OVER EXPENDITURE TRANSFERRED TO BALANCE SHEET							
TOTAL		20,314,852	16,567,213	TOTAL		20,314,852	16,567,213

AS PER OUR REPORT OF EVEN DATE  
FOR N N DESAI & CO.  
CHARTERED ACCOUNTANTS



*V N Desai*  
(V.N. DESAI)  
MEM. NO. 106361

*[Signature]*

HON. SECRETARY  
GOVERNING BODY

K. J. SOMAIYA COLLEGE OF SCIENCE AND COMMERCE  
PRINCIPAL

SOMAIYA VIDYAVIHAR'S

K.J. SOMAIYA COLLEGE OF SCIENCE AND COMMERCE

MERCANTILE

VIDYAVIHAR, MUMBAI - 400 077

INCOME AND EXPENDITURE STATEMENT AS ON 31ST MARCH 2013 (AIDED COURSES)

EXPENDITURE	SCH.	AS ON 31.03.13	AS ON 31.03.12	INCOME	SCH.	AS ON 31.03.13	AS ON 31.03.12
TO COST OF EMPLOYEES - AIDED	E - 1	116,081,235.00	96,897,748.00	BY AIDED COURSES FEE	1 - 1	8,774,365.00	8,629,056.00
TO COST OF EMPLOYEES - MISC		743,958.00	411,810.00				
TO COST OF EMPLOYEES - UGC		369,936.00	581,128.00				
TO ACADEMIC EXPENSES	E - 2	4,650,203.00	4,566,958.00	BY SALARY GRANTS - AIDED	1 - 2	114,466,623.00	98,801,834.00
				BY SALARY GRANTS - UGC		369,936.00	
TO ADMINISTRATIVE EXPENSES	E - 3	7,879,230.19	5,827,264.00	BY MISCELLANEOUS INCOME	1 - 3	2,683,329.00	1,138,971.00
TO DEPRECIATION		5,033,387.00	3,467,848.00	BY EXCESS OF EXPENDITURE OVER		9,361,728.19	4,096,997.00
TO GYMKHANA & EXTRA CURRICULAR EXPENSES	E - 4	868,032.00	914,102.00	INCOME TRANSFERRED TO			
				BALANCE SHEET			
TOTAL		135,655,931.19	112,666,858.00	TOTAL		135,655,981.19	112,666,858.00

AS PER OUR REPORT OF EVEN DATE  
FOR N N DESAI & CO.  
CHARTERED ACCOUNTANTS



*N N Desai*  
PRINCIPAL

HON. SECRETARY  
GOVERNING BODY



K. J. SOMAIYA COLLEGE OF SCIENCE AND COMMERCE

MERCANTILE

K.J. SOMAIYA COLLEGE OF SCIENCE AND COMMERCE

VIDYAVIHAR, MUMBAI - 400 077

INCOME AND EXPENDITURE STATEMENT AS ON 31ST MARCH 2013 ( UNAUDITED COURSES)

EXPENDITURE	SCH.	AS ON 31.03.13	AS ON 31.03.12	INCOME	SCH.	AS ON 31.03.13	AS ON 31.03.12
TO COST OF EMPLOYEES	E - 5	17683615.00	13862307.00	BY UNAUDITED COURSES FEE	I - 4	19777575.00	15102714.00
TO ACADEMIC EXPENSES	E - 6	887032.50	430482.00	BY MISCELLANEOUS INCOME	I - 5	4239284.89	5875719.36
TO ADMINISTRATIVE EXPENSES	E - 7	7513035.32	7801604.00	BY EXCESS OF EXPENDITURE OVER		3270198.93	2352398.64
TO DEPRECIATION		1193950.00	1233431.00	INCOME TRANSFERRED TO			
TO GYM KHANA & EXTRA CURRICULAR EXPENSES	E - 8	9426.00	3008.00	BALANCE SHEET			
TOTAL		27287058.82	23330832.00	TOTAL		27287058.82	23330832.00

20  
200

AS PER OUR REPORT OF EVEN DATE FOR N N DESAI & CO. CHARTERED ACCOUNTANTS



V.N. Desai

(V.N. DESAI)  
MEM. NO. 106361

*[Signature]*  
PRINCIPAL

K. J. SOMAIYA COLLEGE OF SCIENCE AND COMMERCE

*[Signature]*

HON. SECRETARY  
GOVERNING BODY





SOMAIYA VIDYAVIHAR  
K.J. SOMAIYA COLLEGE OF SCIENCE AND COMMERCE  
VIDYAVIHAR, MUMBAI - 400 077  
INCOME AND EXPENDITURE STATEMENT FOR THE YEAR ENDED 31ST MARCH 2015 ( AIDED COURSES)

EXPENDITURE	SCH.	AS ON 31.03.15	AS ON 31.03.14	INCOME	SCH.	AS ON 31.03.15	AS ON 31.03.14
TO COST OF EMPLOYEES	18	110,372,375	178,770,536	BY AIDED COURSES FEE	26	23,537,555	15,095,615
TO COST OF EMPLOYEES - MIS	18	2,119,342	772,282				
TO ACADEMIC EXPENSES	19	7,691,324	5,590,986	BY SALARY GRANTS	27	110,169,626	177,868,881
				UOM - REMU. GRANTS			104,400
TO ADMINISTRATIVE EXPENSE	20	17,253,953	9,557,808	BY MISCELLANEOUS INCOM	28	5,224,633	4,068,440
TO DEPRECIATION		5,316,983	5,090,783	BY EXCESS OF EXPENDITURE OVER INCOME TRANSFERRED TO		5,271,276	3,014,134
TO GYMKHANA & EXTRA CURF EXPENSES	21	1,449,113	369,075	BALANCE SHEET			
BY EXCESS OF INCOME OVER EXPENDITURE TRANSFERRED TO BALANCE SHEET							
TOTAL		144,203,089	200,151,470	TOTAL		144,203,089	200,151,470

AS PER OUR REPORT OF EVEN DATE  
FOR N N DESAI & CO.  
CHARTERED ACCOUNTANTS

  
(V.N. DESAI)  
MEM. NO. 106361

  
PRINCIPAL  
K. J. SOMAIYA COLLEGE OF SCIENCE AND COMMERCE


  
HON. SECRETARY  
GOVERNING BODY

SOMAIYA VIDYAVIHAR  
K.J. SOMAIYA COLLEGE OF SCIENCE AND COMMERCE  
VIDYAVIHAR, MUMBAI - 400 077

INCOME AND EXPENDITURE STATEMENT FOR THE YEAR ENDED 31ST MARCH 2015 ( UNAIDED COURSES)

EXPENDITURE	SCH.	AS ON 31.03.15	AS ON 31.03.14	INCOME	SCH.	AS ON 31.03.15	AS ON 31.03.14
TO COST OF EMPLOYEES	22	22,857,791	20,847,423	BY UNAIDED COURSES FEE	29	25,880,332	23,763,244
TO ACADEMIC EXPENSES	23	600,796	738,495	BY MISCELLANEOUS INCOM	30	4,275,033	5,420,791
TO ADMINISTRATIVE EXPENSES	24	8,054,901	3,912,172	BY EXCESS OF EXPENDITURE OVER INCOME TRANSFERRED TO BALANCE SHEET		2,710,698	
TO DEPRECIATION		1,139,515	1,236,839				
TO GYM KHANA & EXTRA CURR EXPENSES	25	213,061	488,608				
TO EXCESS OF INCOME OVER EXPENDITURE TRANSFERRED TO BALANCE SHEET			1,960,498				
TOTAL		32,866,063	29,184,035	TOTAL		32,866,063	29,184,035

AS PER OUR REPORT OF EVEN DATE  
FOR N N DESAI & CO.  
CHARTERED ACCOUNTANTS

  
(V.N. DESAI)  
MEM. NO. 106361

  
PRINCIPAL



HON. SECRETARY  
GOVERNING BODY

K. J. SOMAIYA COLLEGE OF SCIENCE AND COMMERCE



SOMAIYA VIDYAVIHAR'S  
K.J. SOMAIYA COLLEGE OF SCIENCE AND COMMERCE  
MERCANTILE  
VIDYAVIHAR, MUMBAI - 400 077

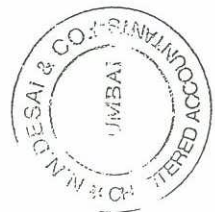
INCOME AND EXPENDITURE STATEMENT AS ON 31ST MARCH 2014 ( AIDED COURSES)

EXPENDITURE	SCH.	AS ON 31.03.14	AS ON 31.03.13	INCOME	SCH.	AS ON 31.03.14	AS ON 31.03.13
TO COST OF EMPLOYEES - AIDED	20	178,770,536	116,081,235	BY AIDED COURSES FEE	29	15,095,615	8,774,365
TO COST OF EMPLOYEES - MISC	20	1,258,282	743,958				
TO COST OF EMPLOYEES - UGC	20	-	369,936				
TO ACADEMIC EXPENSES	21	5,104,986	4,680,203	BY SALARY GRANTS - AIDED	27	177,868,881	114,466,623
				BY SALARY GRANTS - UGC		-	369,936
				UOM REMU. GRANTS		104,400	-
TO ADMINISTRATIVE EXPENSES	22	9,514,421	7,879,230	BY MISCELLANEOUS INCOME	30	4,068,440	2,683,329
TO DEPRECIATION		5,090,783	5,033,387	BY EXCESS OF EXPENDITURE OVER		2,970,747	9,361,728
TO GYMKHANA & EXTRA CURRICULAR EXPENSES	23	369,075	868,032	INCOME TRANSFERRED TO			
				BALANCE SHEET			
TOTAL		200,108,083	135,655,981	TOTAL		200,108,083	135,555,981

AS PER OUR REPORT OF EVEN DATE

FOR N. DESAI & CO.

CHARTERED ACCOUNTANTS



*(Signature)*  
(V.N. DESAI)

MEMO. NO. 106361

*(Signature)*  
PRINCIPAL

K. J. SOMAIYA COLLEGE OF SCIENCE AND COMMERCE

*(Signature)*

HON. SECRETARY  
GOVERNING BODY

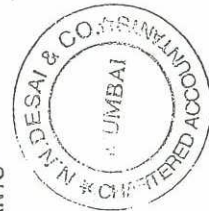
K.J. SOMAIYA COLLEGE OF SCIENCE AND COMMERCE  
VIDYAVIHAR, MUMBAI - 400 077

INCOME AND EXPENDITURE STATEMENT AS ON 31ST MARCH 2014 ( UNAIDED COURSES)

EXPENDITURE	SCH.	AS ON 31.03.14	AS ON 31.03.13	INCOME	SCH.	AS ON 31.03.14	AS ON 31.03.13
TO COST OF EMPLOYEES	24	20,847,423	17,683,615	BY UNAIDED COURSES FEE	31	23,763,244	19,777,575
TO ACADEMIC EXPENSES	25	738,495	887,033	BY MISCELLANEOUS INCOME	32	5,420,791	4,239,285
TO ADMINISTRATIVE EXPENSES	28	3,912,172	7,513,035	BY EXCESS OF EXPENDITURE OVER INCOME TRANSFERRED TO BALANCE SHEET			3,270,199
TO DEPRECIATION		1,236,839	1,193,950				
TO GYMKHANA & EXTRA CURRICULAR EXPENSES	26	468,608	9,426				
TO EXCESS OF INCOME OVER EXPENDITURE TRANSFERRED TO BALANCE SHEET		1,960,498					
<b>TOTAL</b>		<b>29,184,035</b>	<b>27,287,059</b>	<b>TOTAL</b>		<b>29,184,035</b>	<b>27,287,059</b>

REPORT OF EVEN DATE  
AI & CO.

ACCOUNTANTS



*(Signature)*

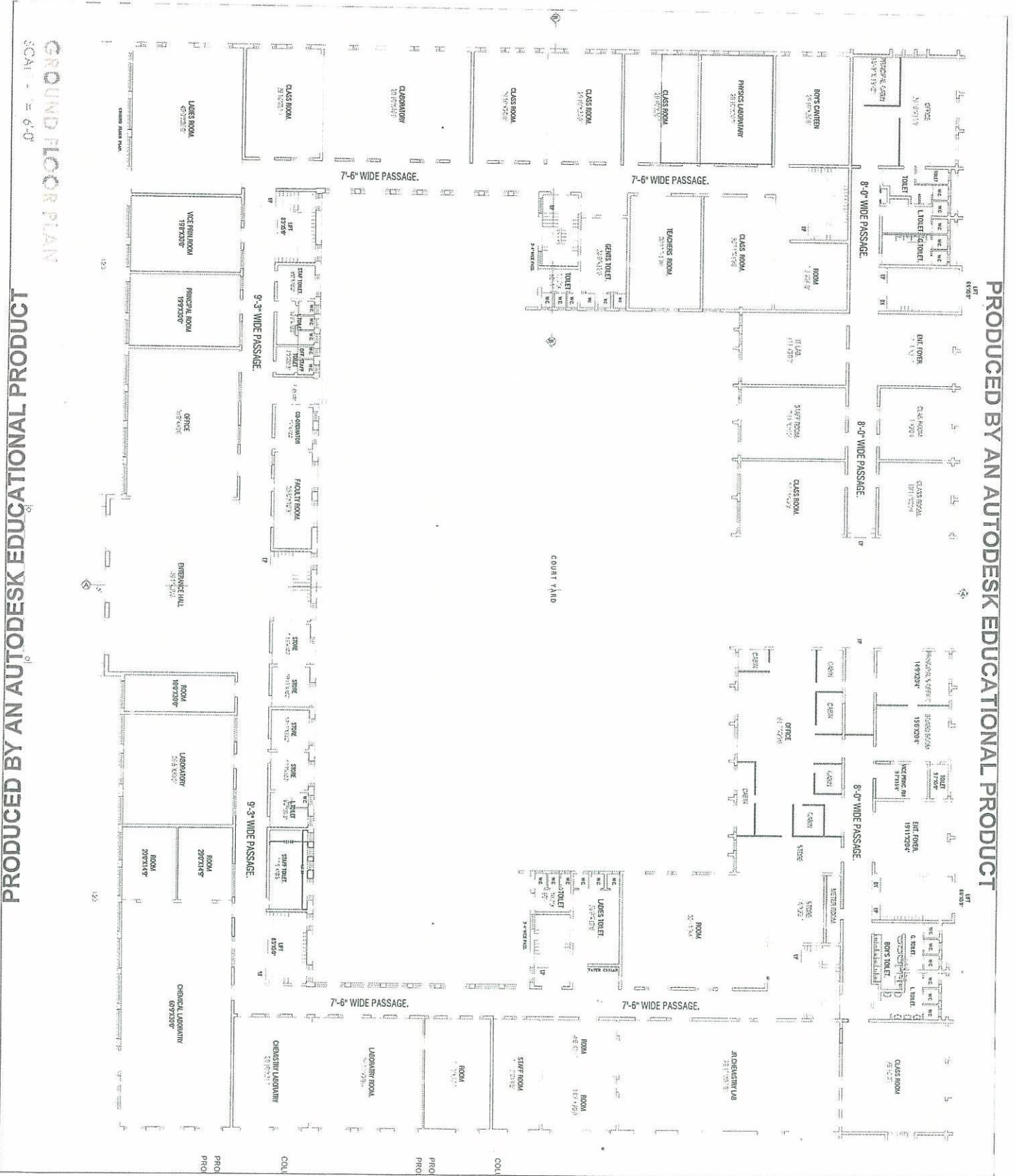
(N. DESAI)  
MEM. NO. 106361

*(Signature)*  
PRINCIPAL

K. J. SOMAIYA COLLEGE OF SCIENCE AND COMMERCE

HON. SECRETARY  
GOVERNING BODY

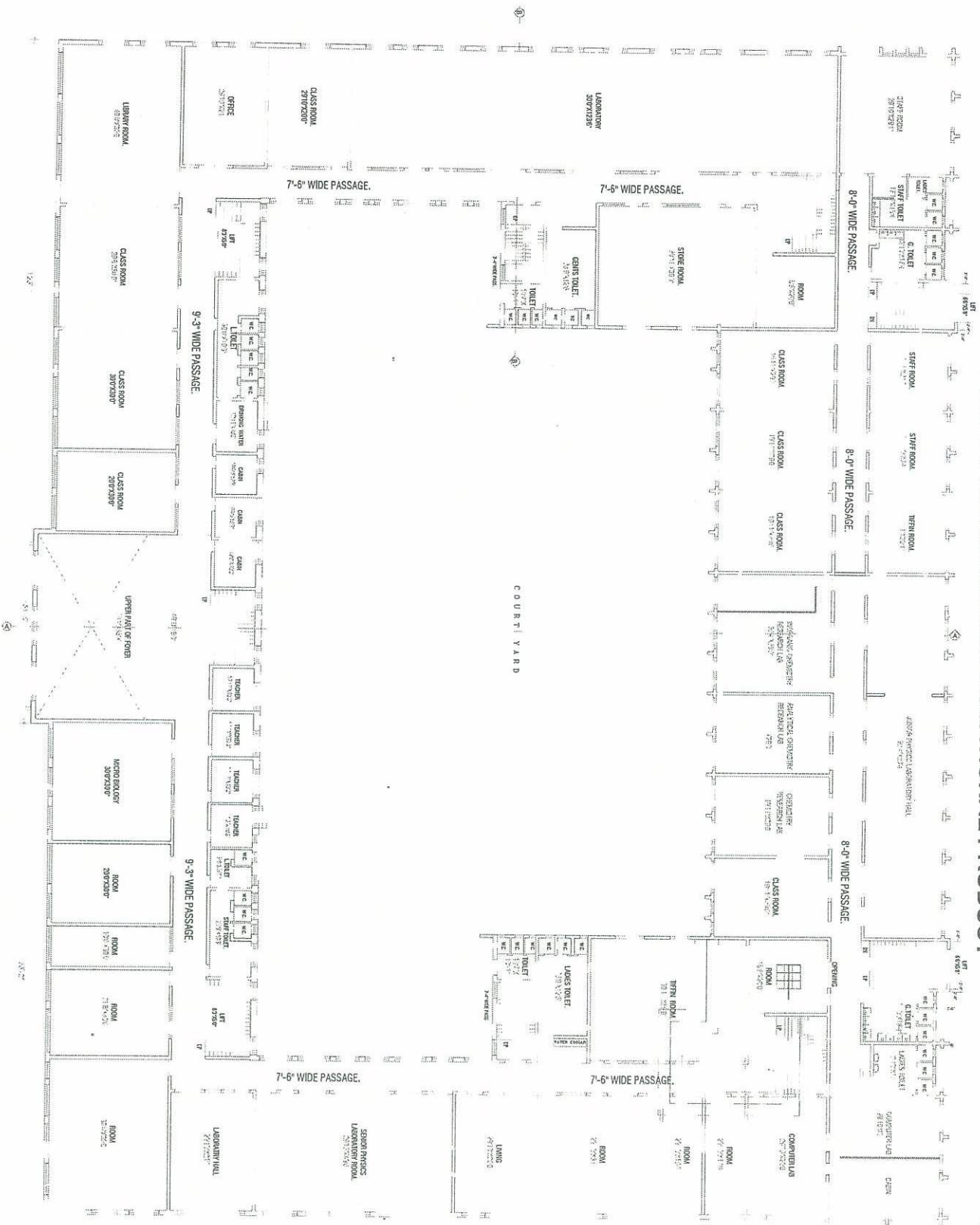
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GROUND FLOOR PLAN

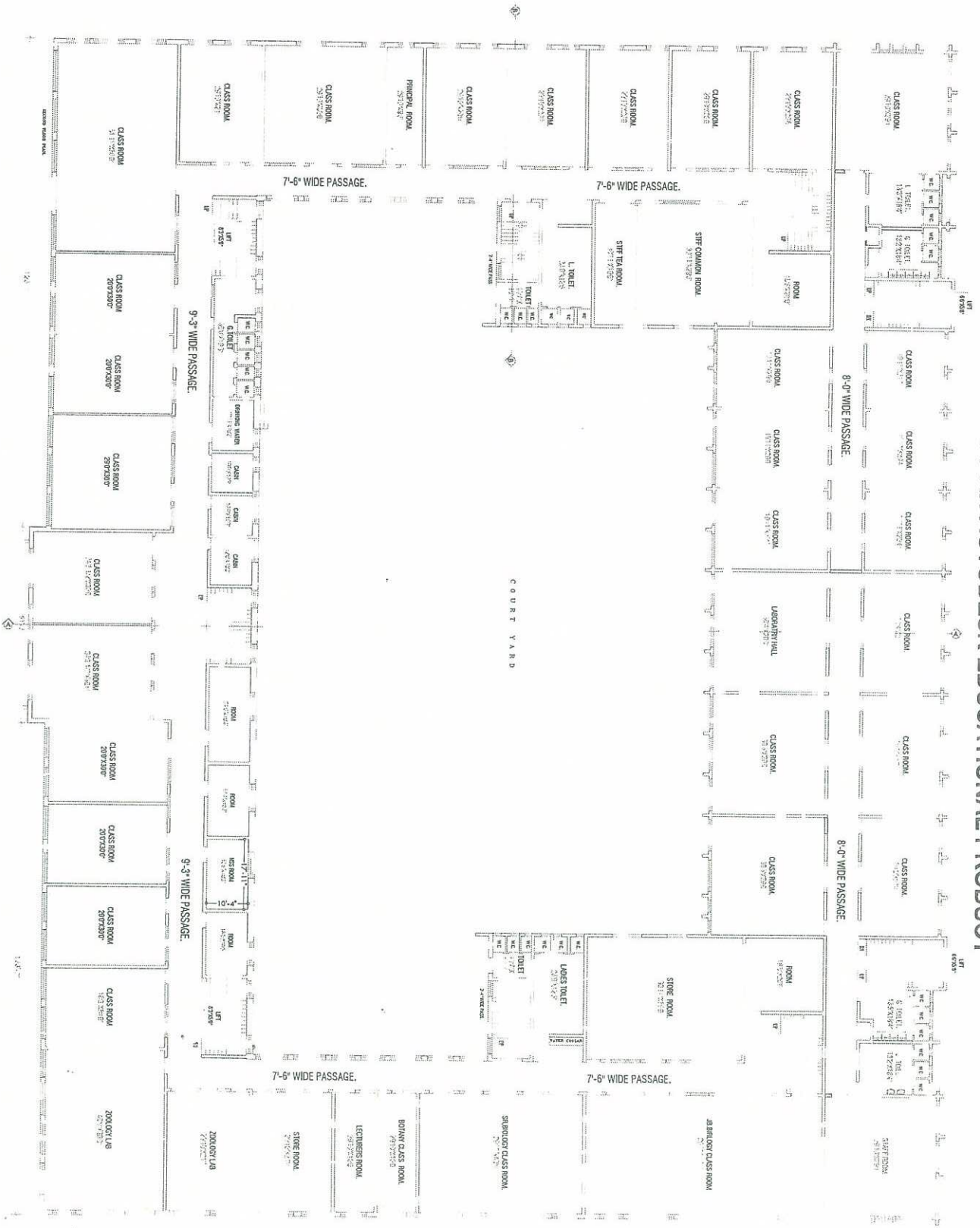
SCALE - 1" = 6'-0"





1ST FLOOR PLAN  
SCALE 1/8"=1'-0"

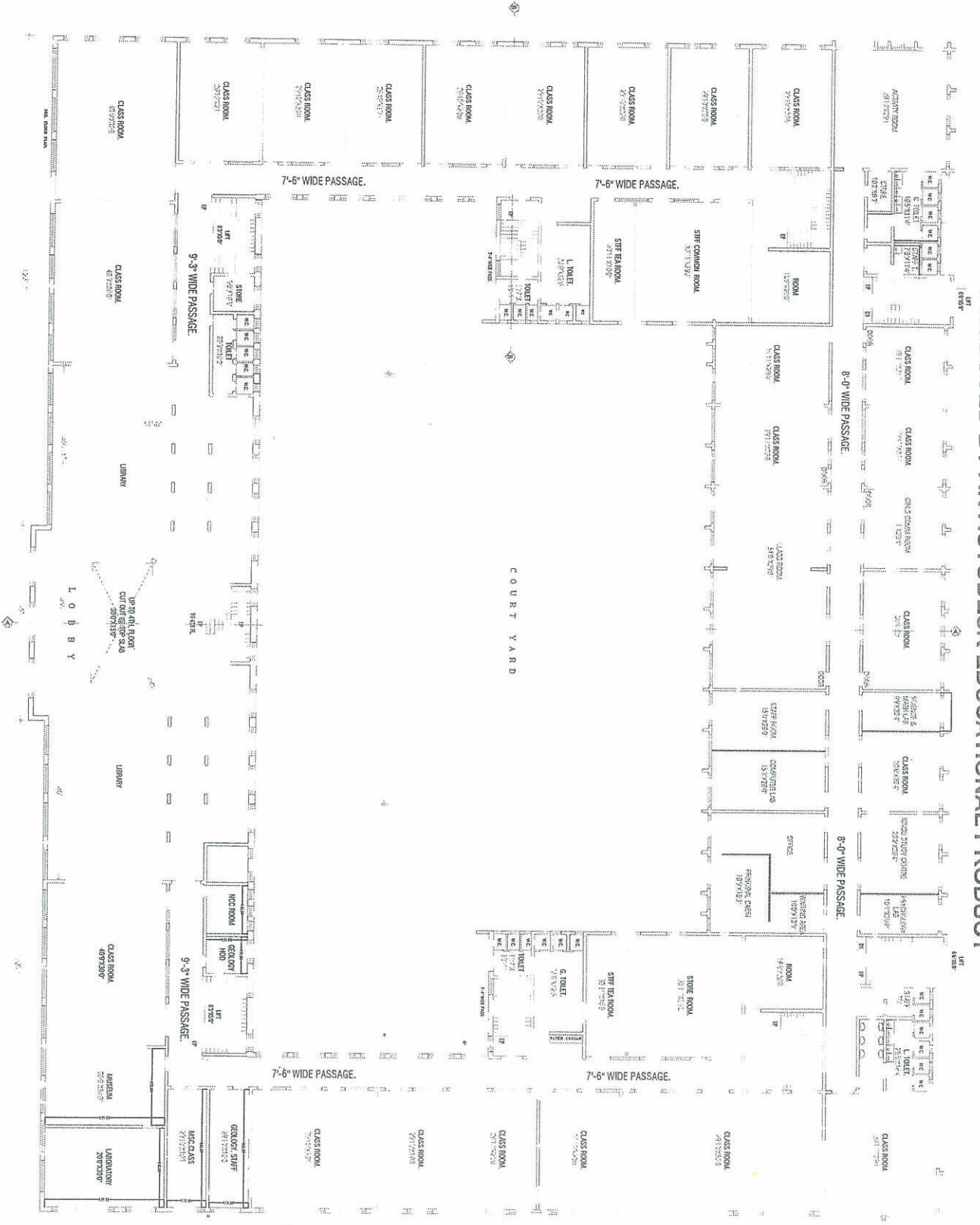
PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT



2ND FLOOR PLAN  
SCALE - 1/8"=1'-0"

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

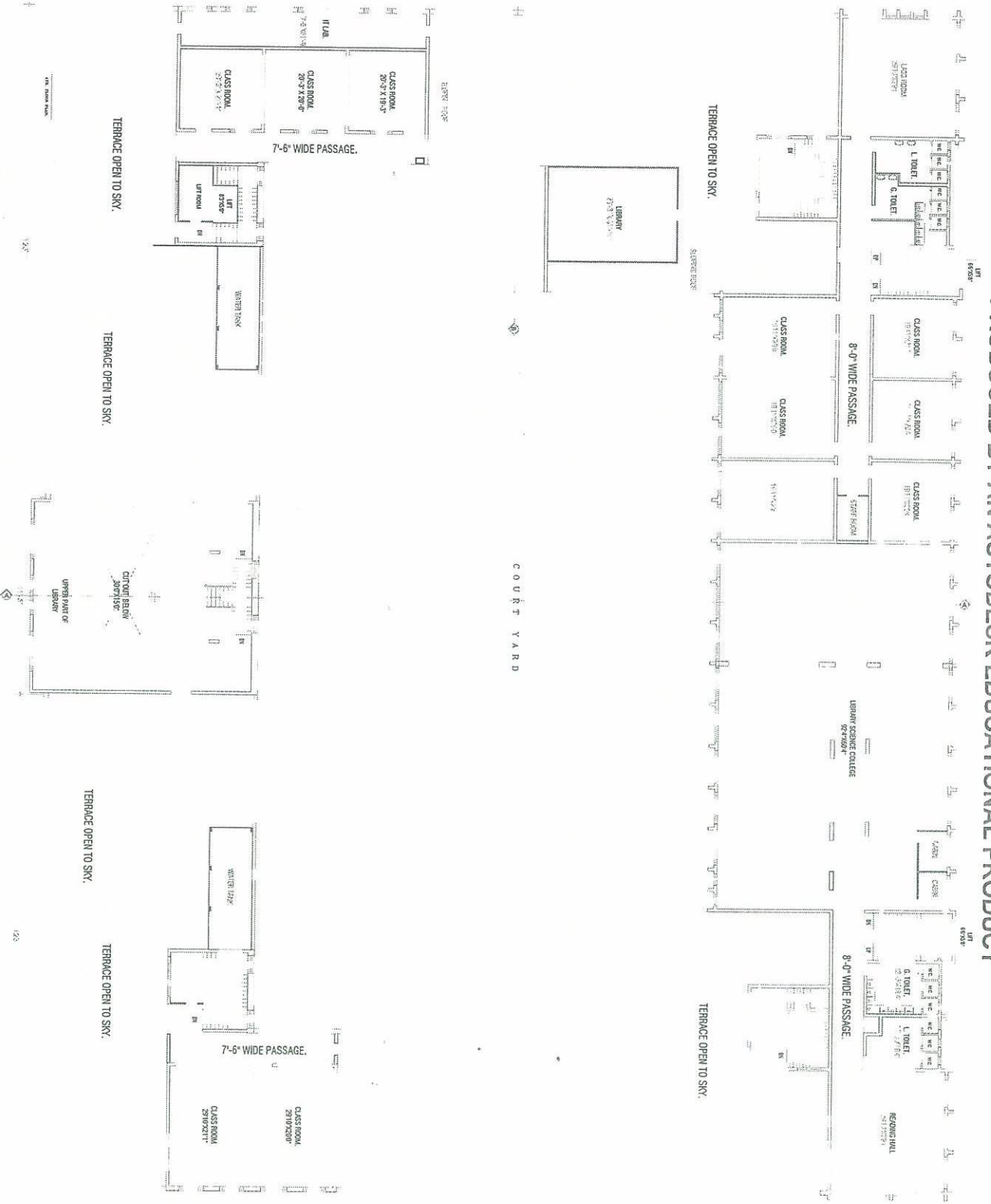




3RD FLOOR PLAN  
SCALE: 1/8"=1'-0"

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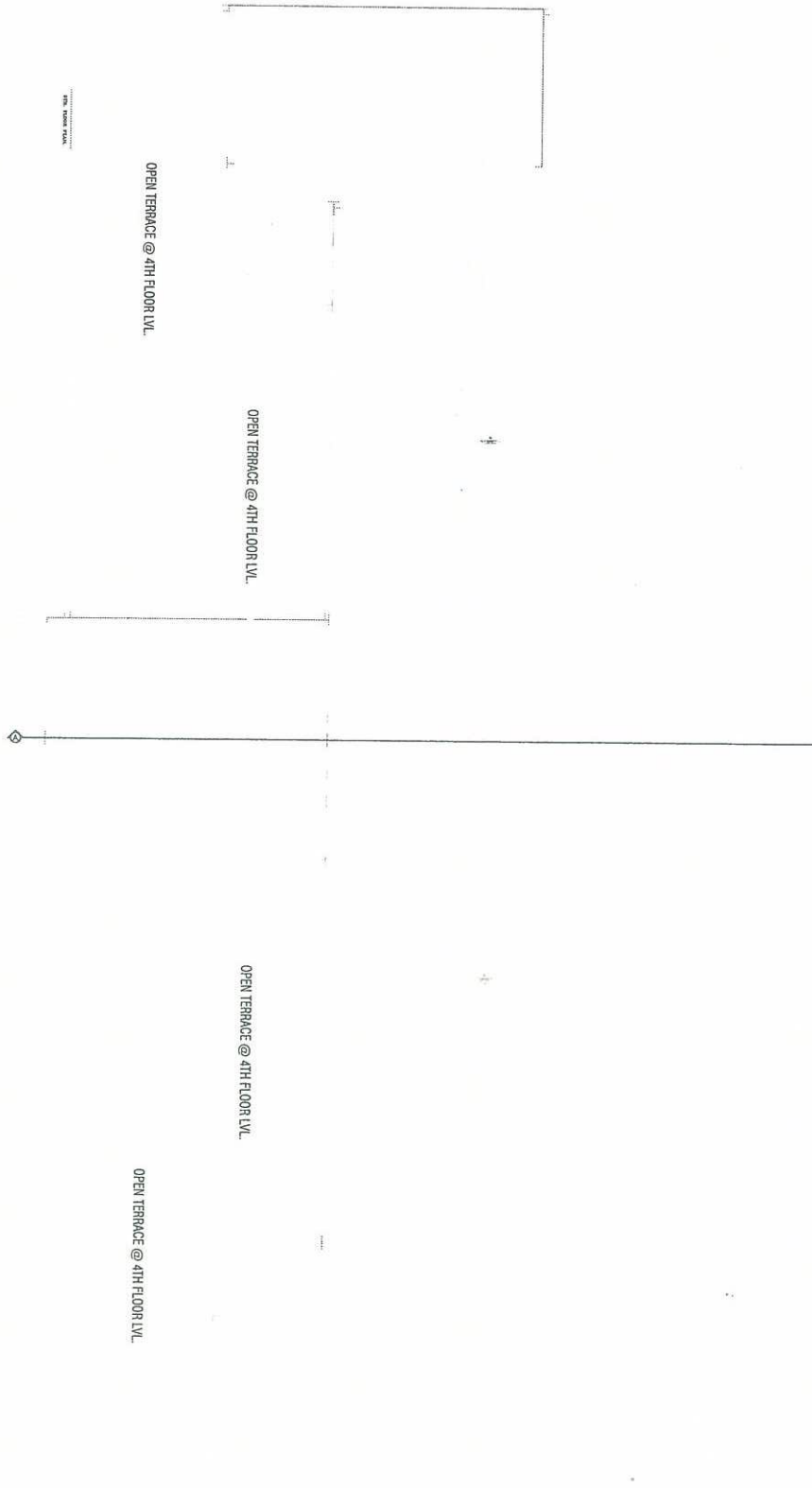
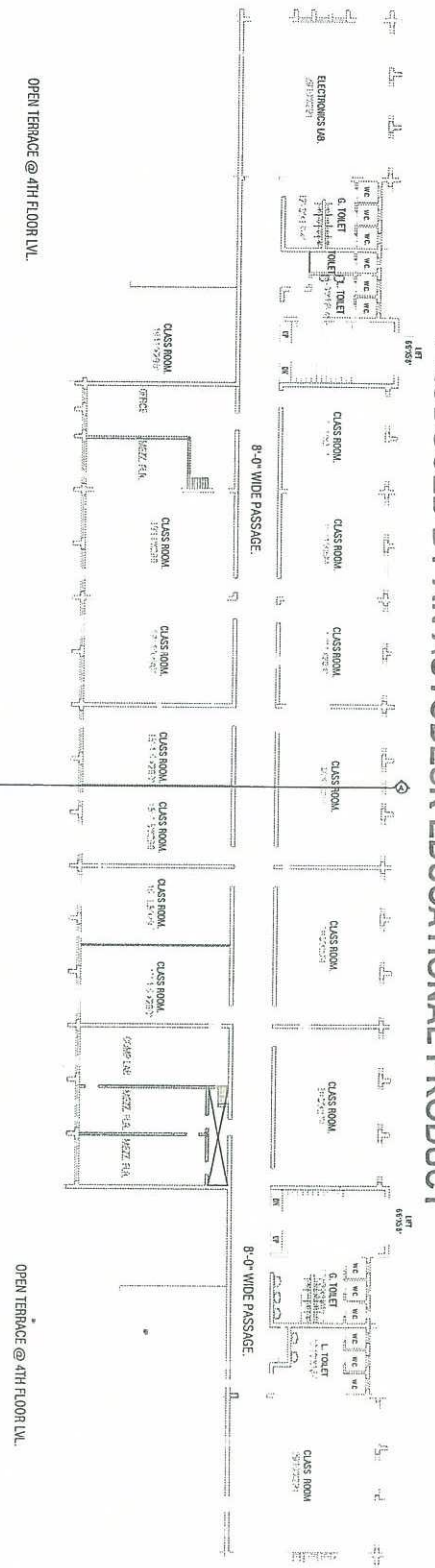
454



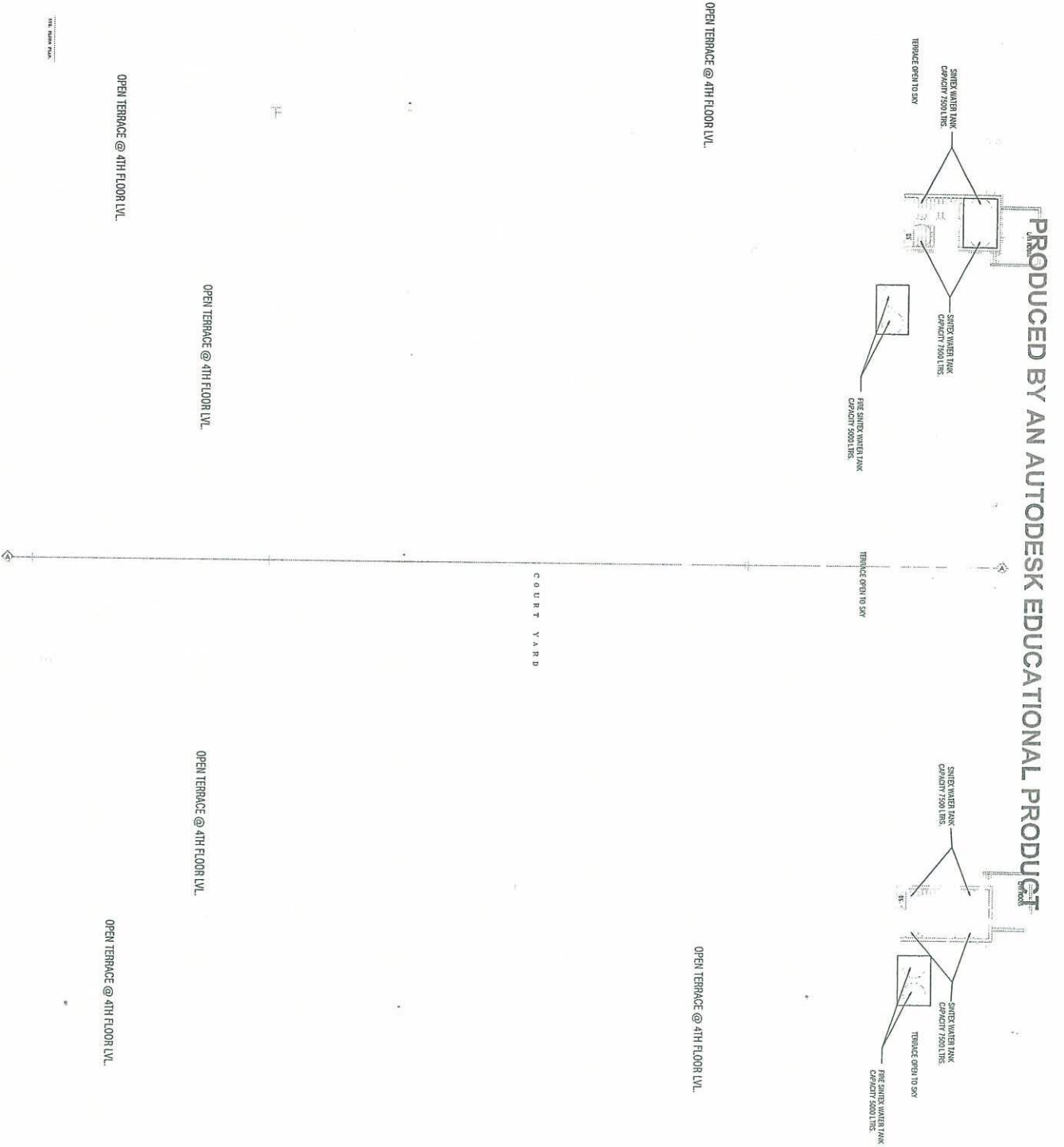
455

4TH FLOOR PLAN  
SCALE - 1/8"=1'-0"

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5TH FLOOR PLAN  
SCALE - 1/8" = 1'-0"



TERRACE FLOOR PLAN  
SCALE 1"=16'-0"

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT



