

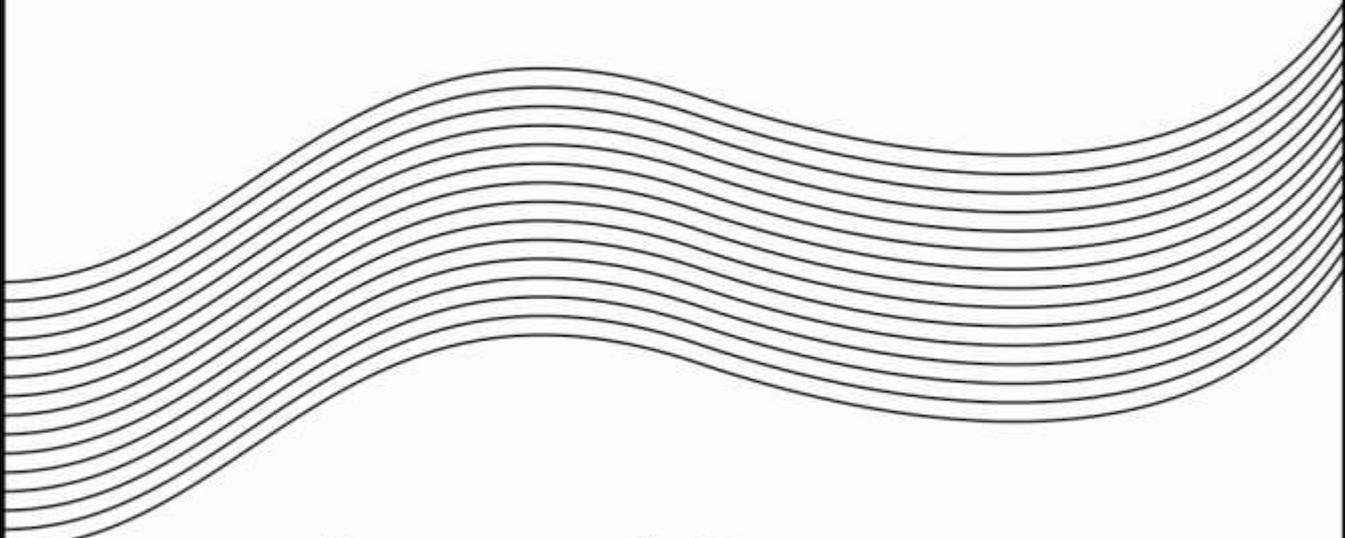


*Progressive Education Society's*

# **MODERN COLLEGE OF ARTS, SCIENCE AND COMMERCE**

Shivajinagar, Pune 411005, Maharashtra, India

- 'BSR Scheme', UGC, 2013.
- 'FIST Scheme', DST, 2012.
- 'College with Potential for Excellence', UGC, 2011.
- NAAC Re-accredited with 'A' Grade, 2010.
- 'Best College Award', UoP, 2008.
- Permanently affiliated to Pune University.



## **Annual Report 2012-2013**



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## ***From Chairman's desk...***

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Progressive Education Society's Modern College of Arts, Science and Commerce, Shivajinagar, Pune-5 was established in the year 1970, as the first senior college of P.E.Society. This institution was 'a-dream-come-true' of the two visionary educationists; founders of P.E.Society- late Shankarraoji Kanitkar and late V.T. Tatake. With the various achievements and awards, reflecting grand success of this institution, I feel that this college has reached a brilliant destination today, and it will keep on achieving milestones in future. Modern College of Arts, Science and Commerce, has already been honoured with 'Best college Award' by University of Pune, Grade 'A' by NAAC and 'CPE' Status by UGC. The college has organised various academic, co-curricular and extracurricular activities during this academic year 2012-13.

Organisation of various workshops, State level, National level conferences and International conference in languages, establishment of digital record room, digital library and virtual laboratory have been some of the note-worthy achievements during this academic year.

Here, I am proud to mention that the college has been awarded with 'Star College' status by Department of Biotechnology, Ministry of Science and Technology, Government of India in March 2013. This is certainly a feather in the cap of "Team Modern".

I give full credit for all these commendable achievements to the leader of "Team Modern" Dr. Rajendra Zunjarrao and local managing committee of this college which consists of senior educationists like Prof. P. S. Chirputkar, Prof. Dr. A. K. Pande and Prof. Mrs. J. G. Ekbote.

The Vice-Principals Prof. S. S. Deshmukh, Dr. Y. R. Waghmare, Dr. Mrs. N. J. Kulkarni, Prof. S. R. Chaudhari, Prof. Milind Waghmare and Prof. M. M. Rane have been assisting with positive attitude. I am happy to mention that all the staff members (Teaching and Non-teaching) are responsible for the success and a number of achievements of the college.

Modern College is an "ASSET" to Progressive Education Society as well as University of Pune. I wish the college and its staff my very best wishes to strengthen this "ASSET" further. I express my best wishes to the Principal, All LMC members, the staff members and students of this "Star College".

With personal regards,

***Prof. Dr. Gajanan Ekbote***

M.S., M.N.A.M.S.,

*Chairman,*

Business Council,

*P. E. Society, Shivajinagar, Pune-5.*

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***From Principal's desk...***

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I am glad to share with you all, my feelings at the completion of another successful academic year. In the year 2009-10 our college was re-accredited by NAAC with 'A' grade. In the year 2011-12 we were conferred the status of 'College with Potential for Excellence' (CPE) by UGC.

It gives me great pleasure to inform you all, that this year our Modern College of Arts Science and Commerce, Shivajinagar, Pune-5, has been awarded the 'STAR COLLEGE' Status by Department of Biotechnology (DBT), Ministry of Science & Technology, Government of India. We are one of those few privileged institutes who have gained this special status. The cover story gives details of the journey towards success of getting this award.

Undoubtedly, this is a matter of pride and honour for us. Our entire team of teaching and non-teaching staff and students need to be congratulated for their efforts leading to this success. However, we need to remember that this also adds more responsibilities on us. We need to prove that we do deserve this special status. In this academic year 2012-13, we could take few more successful steps towards use of ICT in teaching, learning and administration. Some of these are issuing of identity cards to students on the same day of admission, bulk SMS service for urgent correspondence with students, on-line attendance system, digital record room, digital library and virtual laboratory.

The college has maintained the tradition of successful organisation of International conference, National conference and State level conferences, in addition to several workshops and lecture series for the quality enhance of teaching and research. I wish to congratulate all concerned staff members and students for making these events successful. Members of the teaching staff have been striving hard to reach higher academic standards without compromising with their teaching assignments and routine college activities. They take extra pains to foster to the all round development of students.

The unique feature of this academic year was activities and achievements of students in Sports, NSS, NCC, Cultural activities, Academics and Research. To name a few: YUVA (Youth Unite for Voluntary Action) Meet 2013, held at new Delhi, Ignited Innovators of India, BHAU Institute of Innovation, Entrepreneurship and Leadership (BIEL) competition organised at COEP where our students bagged first prizes in two categories out of 200 entries, achievement of Biotechnology students at IIT Mumbai, Robotics competition at National level organised by MIT Pune, etc. This has helped the college to scale higher positions in academic as well as co curricular and extra-curricular fields.

I would like to thank authorities of Progressive Education Society, particularly Hon'ble Prof. Dr. G. R. Ekbote, Chairman, Business Council, P.E. Society for the valuable guidance and encouragement given by them. We are grateful to Local Managing Committee Chairpersons Prof. P.S. Chirputkar, Dr. A.K. Pande and Prof. Mrs. J.G. Ekbote for their active support, guidance and encouragement to us. I am indeed very happy to see that the Annual Report Committee has taken painstaking efforts and ensured that a good quality Annual Report is printed in the given time span. I wish to congratulate all the members and Chairperson of the Annual Report Committee.

Thank you,

***Dr. Rajendra S. Zunjarrao***

**Principal**

*Modern College of Arts, Science & Commerce,*

*Shivajinagar, Pune - 5.*



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## OFFICE

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It's my pleasure to put up office report in the college magazine for academic year 2012-13. Activities related to office and college are reported hereby in brief.

### **STAR COLLEGE STATUS by DBT:**

This year our College was awarded 'Star College' Status by Department of Biotechnology (DBT), New Delhi and received sanction of special Grant for the development of Life Science Departments. We congratulate all the staff members of the college specially of the staff members concerned for their efforts, contribution in getting Special Grants like additional grant, BSR, FIST, Star College, research schemes from UGC, DBT, DST and BCUD, University of Pune. This will help the college a lot in development of all the Departments, in Infrastructural modifications and for adopting new innovative practices in teaching learning process.

### **Our Activities:**

This year with the help of p;ur;iB;D;eK; s;"c;D;n;;D;y,, p;u[e D;eK;;g;;r, p;u[e, m;h;r;{!M x;;s;n; we organized the MODI SCRIPT TRAINING PROGRAMME from 28<sup>th</sup> January 2013 to 8<sup>th</sup> February, 2013. The formal examination for the participants of this training programme was conducted on Sunday, 10<sup>th</sup> February 2013. Total 92 participants were registered for this training programme. Some members from the teaching and non-teaching staff participated in this programme. The Result of the examination was declared on 19<sup>th</sup> March, 2013, The Result declared was 88%.

The Administrative Staff participated in various functions organized by our college during this year. Few of these in which the office staff actively contributed were:

- The College Foundation day celebrated on 15<sup>th</sup> June, 2012.
- International Seminar organized by the Department of Language.
- National Level Seminar organized by the Department of Commerce.
- State level Seminar organized by the Department of Statistics.
- State level Seminar organized by the Department of Marathi.
- Functions organized by the Arts Circle and all the Associations.
- Art Circle Week.
- Annual Social Gathering celebrated in January 2013.
- Academic Prize Distribution Function.
- Gymkhana Prize Distribution Function.
- Arts Circle Prize Distribution Function. The office has also supported the social activities organized by NSS, NCC and NGOs.

This year too, guidance sessions (information lectures) were scheduled at the beginning of the Academic Year, for the first year students of all the faculties who took admission in our college. All Heads of the Departments, Chairpersons of various Committees gave basic information about the various activities of the college i.e., information about the various facilities, courses available in the college. Specific information NCC, NSS, Earn & Learn Scheme, Library Gymkhana and General Administration was also provided.

The Medical Examinations of All First Year Students were also conducted on behalf of the University of Pune, by the Committee constituted by the college. Chairman Dr. Mrs. S. I. Taware, Superintendent Shri. V. L. Avhad with the help of Teaching Staff and Non-teaching Staff from office carried out this activity. Staff from laboratories has also assisted in carrying out the Medical Examination.

The Central Assessment Programme of University Examination held in October, 2012 was to be conducted in the University of Pune. But as it was practically difficult for the authorities to conduct the CAP without sufficient experience manpower, the College Administrative authorities took the decision to support the UOP in such a difficult time. The College decided to carry out the FY/SY/TY B. Com CAP work with the help of the staff of the college. Every step was taken to complete the CAP in time and we have submitted the necessary data to the University of Pune in time.

### **USE OF ADVANCED TECHNOLOGY:**

During this Academic Year, we made an attempt to provide Identity Cards on the day of admission itself to each and every student taking admission to any class. This helped the students and Staff to maintain discipline in the college premises.

Advanced technology has been used to inform students and parents about notices, alerts and examination schedules. We plan to use technology to inform parents about student's attendance and their performance in class.

At the time of issuing the Identity Cards to Students and New Identity Cards to the members of the Teaching and Non-teaching Staff, a basic database was created and stored. Using the technology of SMS during the year, we have forwarded many important instructions, notices and alerts to the Students and Staff. Such messages were also sent to students of a particular wing or of a particular academic Class.

The Office Administration has continued to make effective use of the Students Database Management "VRIDDHI". This has helped all the departments share the Office & Library data. This year the University of Pune introduced the online examination form system for most of the classes for the first session of the academic year 2012-13. The college staff has taken maximum efforts to support the newly introduced system. The payment of online examination fees were also made by e-transfer to the University account. All the UG/PG University Examinations for both the sessions of academic year were conducted smoothly. We have also conducted all the First Year (College) examinations successfully. Utmost care was taken for conducting the examinations smoothly.

The college has developed its own website and attempts are on to update it, making it student-centric and user-friendly. This year the efforts are being taken to develop the CMS based college website. Similarly, each and every department will have its own website, linked with the main website of the college, to keep the updated information of college as a whole. The idea of online admission and online payment of fees is also under consideration.

The various activities, events organized during the academic year were also uploaded on the college website. The online admission process for First Year Computer Science Course is being successfully carried out, since the last three years. It has

been proposed that an online payment facility also be introduced. This will avoid a rush of students & parents during the admission period. Various forms like XII<sup>th</sup> Admission Form, Admission Cancellation Form, T.C., form were also made available on the website, by which students save their time. We wish to adopt online admissions for the second year onwards, by which students can fill the details of admission form at home and submit it to the college through the internet for further processing of admission. Special attention is being paid to provide better services to the students & staff viz. special efforts are being taken to help and guide the students holding Government Scholarships to fill the online Scholarship/Freeship forms, refund of deposits to the students, by issuing direct pay orders or by e-transferring to their individual bank accounts.

Almost all the work of Provident Fund has been completed up to 2011-12 and the PF Slips were also distributed to the staff. The Service Books of all teaching & non-teaching staff of Senior and Junior College are also being updated. Various claims & disbursement of all the pending arrears of the staff, quick submission of the pension cases of retiring members of the staff & its follow-up, speedy settlement of Pension & P.F. cases, reimbursement of medical bills etc. Efforts are also being made to achieve full computerization of the office work in the near future.

The Accounts Section is taking utmost care to complete all accounting work accurately & within the time schedule. Care is being taken to disburse all the amounts in time, received from the Government & other authorities. The internal audit of the college accounts as well as the Statutory Audit for the year 2011-12 has already been completed. As per guidelines from P. E. Society college constitute Finance Committee, regular meetings of the committee are organized every month. Computerized salary slip is provided to employee as per demand.

Since the last three years we are implementing the 'Earn & Learn Scheme' introduced by University of Pune where students are given an opportunity to work and earn money for needy students.

#### **Staff Achievements:**

Shri. Nawale Nilesh attended the Workshop organized by the Deputy Director of Education, Pune Region Office on Annual Staff Approval, Patpadalni, New Staff Approval workshop, Workshops organized by Education Officer, Z.P. Pune regarding Pay & Provident fund.

Superintendent Shri. Renuse P. D., Sr. Clerk Shri. Sagar Chavan, staff from Admin Section attended the workshop for Salary Budget organized by the Joint Director's office and such other workshops relating to salary and Non-Salary Grants such as Teaching and Non-Teaching Staff Placements and Promotions Workshops, Pay Fixation Workshops.

The Head Clerk, Shri. Parde Indrajeet and Smt. Sasane Sunita attended the workshops organized by the Social Welfare Office regarding the online Scholarship and Freeships.

The Administrative staff attended the workshops organized by University of Pune for approval of Teaching Staff and Workshop on Eligibility for Students.

The duties assigned to the Teaching and Non-teaching Staff of the college by the Election Commission and Pune Municipal Corporation regarding Census work and Corporation Election were also carried out successfully by the staff members concerned.

The staff provided able support in organizing important events of College, such as Conducting the Senior College Interviews arranged for selection of Teaching Staff, Annual Social Gathering, prize distribution function, Gymkhana Day, Visits of the University & other Committees & in organizing State Level, National & International seminars, various examinations viz. H.S.C. Board and University of Pune, CAP of University of Pune, conducting SET/NET exams, IIT, JEE exams, etc.

We welcome Mrs. Nangare Usha, Senior Clerk and Mrs. Sasane Sunita, who were transferred from Modern College Ganeshkhind, Pune-53.

#### **CONGRATULATIONS – FOR SPECIAL ACHIEVEMENTS**

The members of the teaching & non-teaching staff & the students, all deserve to be congratulated for the special achievements during the year 2012-13.

Congratulations to Mr. Shah Deepak, Accounts Asstt. Office, Prof. V. B. Alhat, Teacher in Geography Jr. College and Prof. Mrs. S. D. Purohit, Department of Hindi, Senior College for getting Meritorious Best Teaching/Non-Teaching Staff Award, P. E. Society, Pune-05 2011-12.

Congratulations to Principal Dr. R. S. Zunjarrao as Ph.D. Guide and his Student Dr. Gopale K. D. Who has been awarded Ph.D. Degree during this year under the able guidance of Principal Dr. R. S. Zunjarrao.

We must also congratulate Principal Dr. R. S. Zunjarrao and Dr. Mrs. N. M. Patil for getting Major research scheme Grants by the UGC, New Delhi.

We Welcome:

Newly Joined / Promoted Non-Teaching Staff. Mr. Sagar Chavan promoted as Senior clerk.

Mr. Valvi Amit, Promoted as Library Clerk., Mr. Prasad Vange, Mr. Darade Vishnu & Mr. Dhadave S. M. promoted as Library Attendants.

Ms. Manisha Jadhav, Ms. Ashwini Shinde, Mr. Shewale Hemant who have joined in Non-Grant Section of the Office.

#### **We congratulate and Wish Best of Luck:**

For Non-teaching staff appearing for various Board and University examinations and also congratulation to those getting success in HSC and University level examinations, particularly Shri. Ishwar Bhandare who has completed his M. A. in Economic.

#### **BEST WISHES FOR THE RETIRING STAFF:**

Following members of the staff retired from service after a long & eventful tenure in the College.

1. Mrs. Abhyankar V. A. 30 April 2012
2. Mr. Jagtap K. S. 30 April 2012
3. Mr. Zagade R. V. 30 June 2012
4. Mr. Jorvekar Jayant 30 June 2012
5. Mr. Bhide V. C. 31 January 2013
6. Mr. Gaikwad S. K. 31 January 2013
7. Mr. Inamdar S. N. 28 February 2013

8. Mr. Gohel M. G. 28 February 2013
9. Dr. Ghate H. V. 31 March 2013
10. Mr. Salunke M. S. 31 March 2013
11. Mr. Kamble A. B. 31 March 2013

We wish our retired colleagues happy, peaceful & healthy retired lives.

The Chairman Local Managing Committee & Junior College Committee, The Principal, Visitor & Vice Principals constantly guided & inspired the Office staff in their day-to-day work. From this academic year every Friday meeting of the office staff is conducted to plan and take review of the offices work under guidance of Principal Dr. R. S. Zunjarrao. The guidance provided by Prof. P. S. Chirputkar, Dr. A. K. Pande, Prof. S. S. Deshmukh and Prof. S. R. Chaudhari, Prof. Dr. Mrs. N. J. Kulkarni, Prof. S. S. Thengadi in respect of the financial and UGC matters, particularly for getting Grants for the college from different sources and utilization of these grants deserves special mention. Guidance was also provided by Prof. A. G. Gosavi & Dr. Y. R. Waghmare regarding accounting work was beneficial to the accounting staff. The office staff expresses their gratitude towards them.

**Mr. R. P. Kale**  
Registrar

## Department of Biotechnology

1. **Name of the department:** Department of Biotechnology
2. **Year of Establishment:** UG: 2005; PG: 2008
3. **Names of Programmes /Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):**  
B.Sc. Biotechnology  
M.Sc. Biotechnology
4. **Names of Interdisciplinary courses and the departments/units involved:**
  - FY Biotechnology : Department of Computer Science, Chemistry, Mathematics and Physics.
  - SY Biotechnology : Department of English.
5. **Annual/ semester/choice based credit system (programme wise):**  
B.Sc. Biotechnology: Semester Pattern  
M.Sc. Biotechnology: Semester Pattern
6. **Participation of the department in the courses offered by the departments:**  
The faculty is involved in teaching few topics in the Department of Botany and Zoology
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil
8. **Details of courses/programmes discontinued (if any) with reasons:** Nil
9. **Number of teaching posts:**

	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Assistant Professors	9	9

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

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. Sangeeta Vijay Bhagat	M.Sc,M.Phil,Ph.D (Biochemistry)	Head of the Department	Biochemistry	16	-
Dr. Rebecca Sandeep Thombre	M.Sc., Ph.D. (Microbiology) SET. (Life Sciences)	Assistant Professor	Microbiology	12	-
Dr. Shubhangi Sanjay Puranik	M.Sc., Ph.D. (Zoology)	Assistant Professor	Zoology	7	-
Mrs. Rama Mandar Phadke	M.Sc., SET (Biotechnology)	Assistant Professor	Biotechnology	12	-
Dr. Geetanjali Madhusudan Litake	M.Sc., Ph.D. (Medical Microbiology)	Assistant Professor	Medical Microbiology-	5	-
Prof. Ravi L Dabhade	M.Sc., NET, GATE (Biochemistry)	Assistant Professor	Biochemistry	5	-
Dr Sangeeta Sathaye	M.Sc., Ph.D. (Biochemistry)	Assistant Professor	Biochemistry, Plant Biotech	5	-
Dr. Sharad Goswami	M.Sc. Ph.D. (Botany)	Assistant Professor	Botany	10	-

**List of senior visiting faculty:** Mrs. Kanchan Rajadhyaksha (Retd.), Department of Mathematics, Modern College, Pune-5

11. **Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty**

B.Sc. Biotechnology: 15%  
M.Sc. Biotechnology: 10 %

12. **Student -Teacher Ratio (programme wise)**

B.Sc. Biotechnology: 17: 1

M.Sc. Biotechnology: 16: 1

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

Two posts of Faculty Clerk, in the college office are sanctioned and filled.

Technical	Sanctioned	Filled
Class 3	1	1
Class 4	4	4

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

Qualification	PG	M.Phil.	Ph.D.	D.Litt.	D.Sc.
No. of Staff	3	-	6	-	-

**15. Number of faculty with on-going projects from a) National b) International funding agencies and grants received****16. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:**

Name & Designation of the Staff	Research Project Major/Minor	Funding Agency	Duration from____ To____	Amount Rs.
Dr. Sangeeta Bhagat HOD	Minor	UGC,	Completed (2009-2011)	80,000/-
Dr. Rebecca Thombre, Asst. Professor	Minor Minor Minor	GC-CAM BCUD UGC	Completed (2005-2008) Started (2012) Started (2013)	6,00,000/- 2,00,000/- 90,00,000/-
Dr. Shubhangi Puranik, Asst. Professor	Minor	UGC	Completed (2009-2011)	70,000/-
Mrs. Rama Phadke, Asst. Professor	Minor	BCUD	Completed	2,00,000/-
Dr. Rebecca Thombre	Major	ISRO	Started (2013)	16,04,000/-
Dr.P.P.Kanekar( CSIR Emeritus scientist)	Major	CSIR	Started (2013)	7,62,000/-

- College funded project: Mrs. Rama Phadke: Isolation and purification of lectin protein from *Jatropha curcus*. Amount funded Rs. 4,000/-.

**17. Research Centre /facility recognized by the University**

Recognized Research Centre for M.Phil. in Biotechnology.

**18. Publications:**

Name of the faculty	Papers			Books			Total publications	Total impact factor	Total citation	h-Index
	International	National	Presented in Conference	International	National	Book chapter				
Dr. Mrs.S.V. Bhagat	2	1	9	-	-	-	14	-	-	-
Mrs. R.S. Thombre	17	9	38	-	-	8	65	13.8	43	3
Dr. Mrs.S.S. Puranik	2	3	13	-	-	-	18	-	3	1
Mrs.R.M. Phadke	-	-	13	-	-	-	13	-	-	-
Dr. G.M. Litake	7	3	6	-	-	-	16	10.86	161	6
Mr. R.L. Dabhade	-	-	1	-	-	-	1	-	-	-
Dr. S. S. Sathaye	3	-	-	-	-	1	4	-	210	4
Dr. Sharad Goswami	-	-	2	-	-	-	2	-	-	-
Dr. Kanekar Pradnya	2	-	-	-	-	-	2	7.6	1254	19

**19. Areas of consultancy and income generated: Nil****20. Faculty as members in**

- National committees
- International Committees
- Editorial Boards

Nil

**21. Student projects**

- Percentage of students who have done in-house projects including inter departmental/programme

B.Sc. Biotechnology: 100%

M.Sc. Biotechnology:

YEAR	% of students
2010/11	25
2011/12	33
2012-13	33

- Percentage of students placed for projects in organizations outside the institution i.e., in Research laboratories/Industry/ other agencies

M.Sc. Biotechnology:

YEAR	% of students
------	---------------

	(NCL, ARI, NIV, Serum Institute, NCCS and UoP, Pune)
2010/11	75
2011/12	67
2012-13	67

## 22. Awards / Recognitions received by faculty and students

- **Dr. Puranik Shubhangi:** Recognised M.Phil. /Ph.D. guide in Zoology by Pune University
- **Dr. Rebecca Thombre**
  - **BRSI-Best Poster Award** at International Conference on Bioinformatics and Biotechnology organized by Biotech Research Society of India, at Le Meridian, Pune from 25-27 November 2013.
  - **Best Paper Award** at National Conference on e-Waste Management, PES, Modern College from 23-24 December 2013.
  - **Best Paper Award** for paper on "Cyclodextrin glycosyl transferase" at Indian Convention of Food Scientist and Technologist (ICFOST, CFTRI, Mysore) organized by AFSTi, Yashada, Pune. (24 Feb 2012)
  - **Best Paper Award (Young Scientist Category)** for Oral Presentation on "Nanotechnology and Cancer" at National Symposium on Life Sciences, Elphinstone College, Mumbai. (7 January 2012).
  - **Best Oral Presentation Award** for oral paper on "Screening of alkaliphilic bacterial diversity of Lonar lake for industrially important cyclodextrin production at "International Conference on Biodiversity and its Conservation organized by Modern College, Pune, January 2011.
  - **Best Oral Paper Award** for paper on "Studies on CGTase producing bacteria from Lonar lake " at National Seminar for women , WE-MEET organized by College of Engineering, Pune.(2010)

## 23. List of eminent academicians and scientists / visitors to the department

Date of Event	Name of Activity / Event	No. of Participants	Usefulness of Activity / Event	Other Information
21/02/2011	Lecture series on 'Career opportunities in Biotechnology'	150	Information about career opportunities	Speakers- Dr. Bikash Aich, Adv. Shreedhar Parundekar, Mrs. Soumi Dattagupta
07/02/2012	Lecture on Biofilms	130	Interaction with foreign scientist	Speakers- Dr. Susan Lang from Glasgow Caledonian University, UK
18 & 19/01/2013	Lecture series on 'Intellectual Property Rights-A career option for Life Sciences'	100	Information about career opportunities	Speakers- Adv. Ganesh Hingmire (GMGC), Adv. Shreedhar Parundekar, Mrs. Kulkarni (NCL Innovation Center)
07/09/2013	Lecture on 'Credit system implementation'	24	For faculty and PG students for implementation of newly introduced credit system for M.Sc. course	Speaker- Dr. Saroj Ghaskadbi

## 24. Seminars/ Conferences/Workshops organized & the source of funding

**National:** A national conference on 'Stem Cell Technology' was organized by Department of Biotechnology during 13-15<sup>th</sup> March 2010, sponsored by Pune University.

## 25. Student profile programme/course wise:

Name of the Course/programme- B.Sc. Biotechnology	Applications received	Selected	Enrolled		Pass %
			M	F	
2010-11	175	42	10	32	80.95
2011-12	162	33	8	25	100
2012-13	145	54	15	39	92.00

Name of the Course/programme- M.Sc. Biotechnology	Applications received	Selected	Enrolled		Pass %
			M	F	
2010-11	126	22	7	15	100
2011-12	139	26	7	19	89.00
2012-13	140	25	5	20	96.00

## 26. Diversity of Students

### B.Sc. Biotechnology

Year	% of students from the same state	% of students from other States	% of students from abroad
2010-2011	100	Nil	Nil
2011-2012	100	Nil	Nil
2012-2013	100	Nil	Nil

### M.Sc. Biotechnology

Year	% of students from the same state	% of students from other States	% of students from abroad
2010-2011	83.78	10.81	5.41
2011-2012	90.91	7.27	1.82
2012-2013	100.00	0.00	0.00

## 27. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.?

Student progression	Against % enrolled
UG to PG	99
PG to M.Phil.	-
PG to Ph.D.	10
Ph.D. to Post-Doctoral	-
<b>Employed</b>	
• Campus selection	30
• Other than campus recruitment	50
Entrepreneurship/Self-employment	5

- Library: Central Library facility of the college
  - Internet facilities for Staff & Students: Well-equipped computer laboratory with LAN facility on 15 computers are installed for this purpose.
  - Class rooms with ICT facility: Three classrooms with LCD projector facility
  - Laboratories:
    - Two UG and two PG laboratories for regular practicals and Project work
    - Four special laboratories :
      - Research laboratory
      - Animal Tissue Culture
      - Plant Tissue culture
      - Bioinformatics Laboratory with Internet connection
- All laboratories are well equipped with latest instruments.

## 28. Number of Students receiving financial assistance from college, university, government or other agencies:

Students receiving government scholarship

Year	Total Number of Students
2010-2011	26
2011-2012	17
2012-2013	34

Other Scholarships:

Year	Name of Student	Name of Scholarship
2010-2011	Mokshada Varma	Received scholarship from 'Malhotra Weikfield Foundation' for M.Sc. Biotechnology

## 29. Details of students enrichment programmes (special lecture/workshops / seminar with external experts)

## 30. Teaching methods adopted to improve students learning

In addition to traditional methods of teaching,

- Interactive sessions
- Seminars
- Group discussions
- Quiz and debates
- Dr. Shubhangi Puranik: NSS Programme officer, conducted health camps to improve the nutritional status of women & children of the villages.

## 31. SWOC analysis of the department and Future plans

### Strength

- Well-equipped laboratories to conduct basic as well as advanced practicals
- ICT enabled classrooms for better teaching-learning experience.
- All the members of the faculty are actively engaged in research work and have received grants from various government funding agencies.
- Preference to the department from senior scientist to run a CSIR funded project due to congenial research atmosphere and research facilities.

### Weakness

- In the present scenario, the graduates and postgraduates in biotechnology are finding it difficult to get suitable job opportunities.
- Placement activity at departmental level needs to be strengthened.

### Opportunities

- Good research culture in the department enables students to have better opportunities in research field.
- Placements in software development companies are also available along with biotech companies.
- Enhancing the quality of education, through the collaborative activity with UoP, IISER Pune and University of Melbourne, Australia, for conducting B.Sc. Blended course.

### Challenges

- Higher studies and hands-on training are must for better job profile.
- Continuous advancement in the field needs frequent updation of the curriculum.
- Genuine multifactorial limitations of the students coming from varied socio-economic background creates heterogeneity in the class and addressing the needs of all of them in the same class is a challenging task.

### Future Plans

- Skill development courses for enhancement of employability of students
- To establish research centre for Ph.D. in Biotechnology
- Submission of major research projects
- To run B.Sc. Blended course in collaboration with foreign universities

### Departmental Activity:

The year 2012-2013 was a very eventful one for our department. The department organized various activities viz., workshop on "Intellectual Property Rights", one day Lecture series and "Intellectual Property Rights – A career option for Life Sciences" and Biotech fest. The staff and students participated in research, curricular and extracurricular activities. The department also organized various field visits and study tours for the students.

Students visited following places as a mandatory part of their syllabus.

Sr.No.	Class	Visit	Date
1	F.Y.B.Sc	Mapro Food products	4 <sup>th</sup> Jan 2013
2	S.Y.B.Sc	Mapro Food products	4 <sup>th</sup> Jan 2013
3	T.Y.B.Sc	Mapro Food products	17 <sup>th</sup> Sept 2013
4	T.Y.B.Sc	Sula wines	17 <sup>th</sup> Dec 2012
5	M.Sc I	National toxicological center	8 <sup>th</sup> Sept 2012
6	M.Sc I	Hyderabad	9 <sup>th</sup> -12 <sup>th</sup> Feb 2013
7	M.Sc II	BAIF	8 <sup>th</sup> Sept 2012
8	M.Sc II	Hyderabad	9 <sup>th</sup> -12 <sup>th</sup> Feb 2013

### Achievements of Teachers

#### Dr Sangeeta Bhagat

- Attended International Symposium on "Proteomics Beyond IDs. . . held from **22-24<sup>th</sup> Nov 2012** at National Chemical Laboratory, Pune.
- **Four Posters** presented in the International Conference 19<sup>th</sup> ISCB International Conference (**ISCBC-2013**) on "Recent Advances and Current Trends in Chemical & Biological Sciences" – March 2013 at Udaipur.
- **Mrs. Rama Phadke**, Worked for Project exploratory on evaluation at PICC – Muktangan "Study of Antioxidants, aldose reductase, inhibition & anticataract activity of *Tinospora cordifolia*."
- **Mr. Ravi L Dabhade**, Attended one day workshop on "Antioxidant & Antimicrobial effect of Ayurvedic formulation for management of Diabetes 15<sup>th</sup> feb 2013.
- "Evaluation of Phytoconstituents and in vitro alpha amylase inhibitory activity of *Costus speciosus* **implementation of credit system for PG courses.** organized by Abasaheb Garware College Pune.
- "Study of antidiabetic properties of *Tinospora cordifolia*
- **Mrs Rebecca Thombre** Worked as a member for organising '**International conference on Employment enhancement through proficiency in Indian and foreign language**' organized by Modern College of Arts, Science and Commerce Shivajinagar Pune 05.
- Attended workshops on "IPR" organized By Indian Patent Office (IPO) and GMGC on 5<sup>th</sup> Jan 2013.
- Delivered guest lecture on "Applications of Biotechnology" at One day Seminar Organized by Fergusson College on 13 Feb 2013
- Worked for Project evaluation at PICC - Muktangan Exploratory on 15<sup>th</sup> Feb 2013.
- **Received a grant of Rs 2,00,000 from BCUD**, University of Pune, For the project entitled "Green syntheses of silver nanoparticles Using Congress weed" for the year (2012-2014)
- **Dr. (Mrs.) Shubhangi S. Puranik** : Participated in **One Day Conference** on "Emerging issues in Ethics & regulation in Medical research" organized by Deen Mangeshkar Hospital on 12<sup>th</sup> Jan 2013.
- Guide for 2 PICC students projects. Attended a meeting at "Maratha chamber of Commerce "Bhosari, Pune on 11<sup>th</sup> March 2013.
- Organised & chairperson of "**Industry - Academia Meet**" in Modern College of Arts, Science and Commerce Shivajinagar Pune 05 on 14<sup>th</sup> March 2013.
- **Dr. Litake G.M.:** A poster entitled, "**Antioxidant & Antimicrobial effect of Ayurvedic formulation for Management of Diabetes**" presented at '19<sup>th</sup> ISCB International Conference (**ISCBC-2013**) "Recent Advances and Current Trends in Chemical and Biological Sciences' during 2-5 March 2013 at Udaipur.
- **Dr. Sangeeta Sthaye:** International Conference (**ISCBC - 2013**) titled Recent Advances and Current Trends in Chemical & Biological Sciences on "**Evaluation of Photoconstituents and in alpha amylase inhibitory activity of Costus Speciosus**" 2-5 March 2013 at Udaipur Sciences' during 2-5 March 2013 at Udaipur.
- Organised **Biotech fest** on **Feb 2013** in Dept Biotechnology Modern College, Shivajinagar, Pune 5
- Attended one day workshop on '**Intellectual Property Rights**' organized by Department of Biotechnology, Modern College of Arts, Science and Commerce Shivajinagar Pune 05 on 2<sup>nd</sup> Feb. 2013.

- Dr Sangeeta Bhagat, Mrs Rebecca Thombre, Dr. (Mrs.) Shubhangi S. Puranik, Mrs. Rama Phadke, Mr. Ravi L Dhabade and Dr. G.M. Litake – Attended workshops on “**Intellectual Property Rights**” at department of Biotechnology Modern College Shivajinagar, Pune on 2<sup>nd</sup> Feb 2013.
- Organised one day Lecture series “**Intellectual Property Rights – A career option for Life Sciences**” on 18-19<sup>th</sup> Jan 2013
- **Organised Biotech fest on Feb 2013** in Dept of Biotechnology Modern College Shivajinagar
- Dr Sangeeta Bhagat and Dr. (Mrs.) Shubhangi S. Puranik - Participated in State Level Workshop on “Choice Based Credit System” organized by C.T Bora College, Shirur on **16<sup>th</sup> Jan 2013**.
- Mrs Rebecca Thombre, Mrs. Rama Phadke, Mrs Rama Phadke and Mr. Ravi L Dhabade- Attended One day workshop for teacher on ‘Cooperative learning applied to classroom’ on 8<sup>th</sup> Feb 2013 and organized by Modern College of Arts, Science and Commerce Shivajinagar Pune – 5.
- Nilesh Sonawane, Yagandhara Patil, Pankaj Bangal, Suryakant Ghawane, Blakrishna Talwar presented a poster at the DST Sponsored National Conference on Bioengineering Science organized by COEP, Pune from 15-16 March 2013.
- Participated in various inter-collegiate competitions. Pooja Takle from F.Y.Biotech and Meenu Kuman from T.Y.Biotech got 1<sup>st</sup> & 2<sup>nd</sup> prize respectively Bio rangoli competition. Yash, Rochell & Atith were the winners of Bio Quiz competition at the “Biotech Fest 2013” organized by our department.
- A poster entitled, “ **Antioxidant & Antimicrobial effect of Ayurvedic formulation for management of Diabetes**” presented at ‘19<sup>th</sup> ISCB
- International Conference (**ISCB – 2013**) ‘Recent Advances and Current Trends in Chemical & Biological.
- Dr. (Mrs.) Shubhangi S. Puranik and Mrs. Rama Phadke constituted the Institutional Ethical Committee
- Dr. (Mrs.) Shubhangi S. Puranik and Dr. G.M. Litake attended NSS camp at Kule (Paud).
- Research projects carried out by the M.Sc. and B.Sc. students as a part of their degree courses, were guided by our staff members.

#### Achievements of Students

##### F.Y.B.Sc. (Biotech)

1. The class was 1<sup>st</sup> runner up in the Annual Gathering of the college.
2. At the Biotech Fest held at Wadia College Rochelle was the only Winner for photography.
3. Yash and Atith was winner for quiz of Life Sciences and Applied Applied Sciences held at the IIT College Pawai. 1) Ten students actively participated in the Rajgad Rice Planting Camp and 8 students participated in the NSS camp held in Paud Village which was of 7 days.
4. Students from F.Y.B.Sc & S.Y.B.Sc. Biotech qualified PICC examination of research. Few students were offered student membership of PICC. **S.Y.B.Sc. (Biotech)** Students of S.Y.B.Sc. Biotech participated in for various inter-collegiate competitions

##### T.Y.B.Sc. Biotech)

1. Fenali Parekh and Glory Francis presented poster on “Green synthesis of silver nanoparticles” at Avishkar 2012 at Fergusson College.
2. Parvathi Lekshminarayan, Glory Francis, Fenali Parekh presented a poster on “Green synthesis of silver nanoparticles” at National Conference organized by Dept of Botany, University of Pune from 13-14 Feb 2013. Rajasthan, 2013.

**Achievements of M.Sc students** : Two M.Sc. Biotech students qualified GATE, CISR NET Examinations.

**Shraddha Sakat (M.Sc II)**: “Antioxidant and Antimicrobial effect of Ayurvedic formulation for management for diabetes” Presented in 19<sup>th</sup> International Conference (ISCB) AT Udaipur, Rajasthan, 2013.

##### Akshada Khadpekar (M.Sc. II)

- a) “Antibacterial activity of various medicinal plants against mixed dental flora” Presented state level conference “Microbiology in 21<sup>st</sup> century at Modern College, Pune-5,2011
- b) Research paper published in International Journal ‘Research Journal of Pharmaceutical Biological and Chemical at Sciences’, Volume 3, Issue3, Page no 179-182, 2012 “Antibacterial activity of various medicinal plants against mixed dental flora”
- c) “Study of Antioxidant, aldose reductase inhibition and Anticataract activity of Tinospora cordifolia: Prospects for alleviating diabetic complications” presented in 19<sup>th</sup> International Conference (ISCB) at Udaipur

**Archana Raut (M.Sc.)**: “Antidiabetic properties of Tinospora cordifolia” Presented in 19<sup>th</sup> International Conference (ISCB) Udaipur Rajasthan, 2013.

**Prashant Shah (M.Sc. II)**: Presented poster at the DST Sponsored National Conference on Bioengineering Science organized by COEP, Pune from 15–16 March 2013.

**Renuka Joshi (M.Sc.I)**: “Evaluation of Phytoconstituents and invitro alpha- amylase inhibitory effect of Costus speciosus L. in the Management of Diabetes” Presented in 19<sup>th</sup> International Conference (ISCB) at Udaipur, Rajasthan,2013.

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## Department of Botany

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1. **Name of the department:** Department of Botany
2. **Year of Establishment:** UG: 1970 PG: 1994
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**
  - B.Sc. (Botany as a Principal subject)
  - M.Sc. Botany (Plant Biotechnology and Angiosperm Taxonomy specializations)
  - Ph.D. in Botany
4. **Names of Interdisciplinary courses and the departments/units involved**

Since the college is affiliated to the Pune University, the department implements syllabus prescribed by the university and such interdisciplinary courses are not available in the prescribed syllabus.

A course on Environmental Awareness is compulsory for all undergraduate classes. One of the staff member works as an Assistant Coordinator for the course.

The courses like Biostatistics, Bioinformatics, Plant Biotechnology and Seed Technology are interdisciplinary in nature. The teaching of these courses is done with the help from the departments of Statistics, Zoology, Computer Science, Biotechnology, and Microbiology.

#### 5. Annual/ semester/choice based credit system (programme wise)

B.Sc. Botany : Semester Pattern

M.Sc. Botany : Semester system

#### 6. Participation of the department in the courses offered by other departments

The department is involved in the conduction of a Course on Environmental Awareness, which is coordinated by the Department of Geography. Some of the staff from our department also contributes in the curriculum of the departments of Microbiology and Biotechnology.

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

- A skill development course on 'Biofertilizer Technology' is conducted in association with Sahyadri Biogreen, Satara (Maharashtra).
- A skill development course on 'Seed Technology' is conducted in association with Riccia Seed, Pune. The experts from this industry are visiting faculty for the said course. Apart from this, the department also invites faculty from the College of Agriculture, Pune.
- The course structure of B.Sc. Botany has a course on Medicobotany. For better teaching learning experience, we are planning to have Memorandum of Understanding with the Modern College of Pharmacy, Nigdi, Pune (Maharashtra).
- In collaboration with Multiversity, a well-known educational organization, the department has conducted e-learning sessions for the postgraduate students of Botany.

#### 8. Details of courses/programmes discontinued (if any) with reasons

The department has not discontinued any of the programmes it offers.

#### 9. Number of teaching posts

	UG		PG	
	Sanctioned	Filled	Sanctioned	Filled
Professors	Nil	Nil	Nil	Nil
Associate Professors	02	02	Nil	Nil
Asst. Professors	04	04	03	03

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

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. R.S. Zunjarrao	M.Sc., Ph.D.	Head of the Department	Cytogenetics and Plant Breeding	UG: 28 yrs PG: 22 yrs as Contributory staff	Awarded degree 01 Pursuing research 02
Dr. Mrs. N.M.Patil	M.Sc., Ph.D.	Associate Professor	Plant Physiology	UG: 24 yrs PG: 17 yrs as contributory staff	Pursuing research 03
Dr. R.B.Barmukh	M.Sc., Ph.D., SET	Assistant Professor	Cytogenetics and Plant Breeding	UG: 10 yrs PG: 9 yrs full time and 10 years as Contributory	NA
Dr. U.R.Wayase	M.Sc., M.Phil., Ph.D., NET	Assistant Professor	Plant Physiology	UG: 10 yrs PG: 10 yrs as Contributory	NA
Prof. A.P.Goggi	M.Sc., NET	Assistant Professor	Plant Physiology	UG: 04 yrs PG: 04 yrs as Contributory	NA
Prof. A.P.Kulkarni	M.Sc., NET	Assistant Professor	Plant Biotechnology	UG: 3 yrs PG: 02 yrs as contributory	NA
Prof. S. P. Salunke	M.Sc.	Assistant Professor	Angiosperm Taxonomy	UG: PG: 21 yrs	NA
Dr. K.D. Gopale	M.Sc., Ph.D.	Assistant Professor	Angiosperm Taxonomy	UG: 4 yrs PG: 4 yrs	NA
Prof. R.D.Kulkarni	M.Sc., SET	Assistant Professor	Botany	UG: 3 yrs PG: 4 yrs	NA

#### 11. List of senior visiting faculty

- Dr. V.D.Ranade, Retd. Head, Department of Botany, Abasaheb Garware College, Pune.
- Dr. D. R. Shirke, Retd. Professor, Department of Botany, Pune University, Pune.
- Dr. S.D. Bonde, Retd. Scientist, Agharkar Research Institute, Pune.
- Dr. Mahesh Shindikar, Department of Environmental Science, College of Engineering, Pune.
- Mr. Shekhar Tilekar

#### 12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty

B.Sc. Botany: 14% of the total workload

M.Sc. Botany: 33% of the total workload

### 13. Student -Teacher Ratio (programme wise)

UG: 15:1

PG: 16:1

### 14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

Two posts of Faculty Clerk, in the college office are sanctioned and filled.

Technical	Sanctioned	Filled
Class 3	1	1
Class 4	6	6

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

Qualification	PG	M.Phil.	Ph.D.	D.Litt.	D.Sc.
No. of Staff	04	-	5	-	-

### 16. Number of faculty with on-going projects from a) National b) International funding agencies and grants received

Number of faculty: 7 Total grants: Rs. 48,92,550/-

### 17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received

Sr. No.	Name of the faculty	Title of the project	Funding agency	Sanctioned amount (Rs)
1.	Dr. R.S.Zunjarrao (PI) Dr. R.B.Barmukh (CO-I)	Developing a digital herbarium of angiosperms of Western Ghats	UGC	9,86,750/-
2.	Dr. R.S.Zunjarrao (PI)	Ecological and life history studies of association between grouse locusts and lower cryptograms	DST	39,52,500/-
3.	Dr. Mrs. N.M.Patil	Isolation of induced mutants in linseed ( <i>Linum usitatissimum</i> ) under salt stress	UGC	12,50,800/-
4.	Dr. U.R.Wayase	Prospects of effective microorganisms in sustainable agriculture	UGC	1,20,000/-
5.	Prof. A.P.Goggi	Utilization of potential of <i>Alternanthera sessilis</i> , R.Br. - An ethanomedicinal weed	UGC	1,30,000/-
6.	Prof. A.P.Kulkarni	Antioxidant and antiprotease activity of <i>Sonchus asper</i> Hill.	UGC	1,25,000/-
7.	Dr. K.D.Gopale	Fatty acid profiling and molecular characterization of potential biodiesel producing microalgae from South India.	DST (SERB)	24,000,00/-
			<b>TOTAL</b>	<b>89,65,050/-</b>

### 18. Research Centre /facility recognized by the University

The Department of Botany has a Post Graduate Research Centre recognized by the Pune University since 1984. The department has a spacious and well-equipped Post Graduate Research Laboratory. Since 2013, three JRFs are working on major research projects. In the last four years, three research students were awarded the Ph.D. degree of Pune University and at present four research students are pursuing their research for the doctoral degree of Pune University.

The Post Graduate Research laboratory has following special equipment.

- HPLC
- PCR
- UV-Vis Spectrophotometer
- Microphotographyunit (Leica)
- Bomb Colorimeter
- Gel Documentation unit
- Cooling water bath
- -20 °C refrigerator
- Environmental Chamber
- Incubator shaker

### 19. Publications:

Name of the faculty	Papers			Books			Total publications	Total impact factor	Total citation	h-Index
	International	National	Presented in Conference	International	National	Book chapter				
Dr. R.S. Zunjarrao	4	5	-	-	-	-	9	4.2	40	3
Dr. Mrs. N.M.Patil	9	1	-	-	-	-	10	-	25	3
Dr. R.B.Barmukh	2	-	1	-	-	-	3	0.9	73	4
Dr. U.R.Wayase	1	-	-	-	-	-	1	0.56	1	-
Prof. A.P.Kulkarni	4	-	-	-	-	-	4	0.92	40	3
Dr. K.D. Gopale	3	3	-	1	-	-	7	3.8	2	3

### 20. Areas of consultancy and income generated

- Dr. R.S.Zunjarrao, Head, Department of Botany, has developed expertise in the Plant Tissue Culture Technology since the last two decades. He has offered the consultancy to the various renowned tissue culture laboratories in and around Pune city. However, these consultancies were offered on the non-remunerative basis.
- Dr. U.R. Wayase has offered to the farmers non-remunerative consultancy on biofertilizers and their applications. He

has also guided the farmers on the fruit farming of pomegranate.

- Dr. K.D.Gopale is giving a non-remunerative consultancy on the subject of biodiesel to Shirke Biofuels, Pune, India.
- Mrs. Rasika Kulkarni is member of consulting panel of Sahyadri Biogreen, Satara on non- remunerative basis.

## 21. Faculty as members in

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

- Dr. R.S.Zunjarrao is a member of Boards of Editor of the Journal International Journal of Bioscience Discovery. He is also a Member of the Board of Studies in Botany, Pune University, Pune.
- Dr. Mrs. N.M.Patil is a Life Member of the Indian Society of Plant Physiologists.
- All the faculty members of UG and Prof. R.D.Kulkarni from PG are the members of Association of Teachers of Biological Sciences (ATBS).
- Prof. A.P.Kulkarni is a Life Member of Rose Society of India.

## 22. Student projects

### a) Percentage of students who have done in-house projects including inter departmental/programme

All the students of M.Sc. Part II undertake a research project in the fourth semester. Thus, every year at least 24 students undertake in-house projects, that is equivalent to around 7.2% of total number of students (UG+PG) studying the subject Botany in undergraduate and postgraduate programmes.

The S.Y and T.Y.B.Sc. students have availed short duration research projects funded by Research Monitoring Committee of the college, Ignited Innovators of India, College of Engineering, Pune and college also supports students participating in Avishkar competition.

### b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies

## 23. Awards / Recognitions received by faculty and students

- Dr. R S Zunjarrao and Dr. N M Patil became recognized guides for Ph.D. degree of Pune University.
- Dr. K D Gopale was awarded for the Best Poster Presentation in the International Conference on Biodiversity and its conservation, organized by P.E. Society's Modern College of Arts, Science and Commerce, Shivajinagar, Pune-5, from 28th to 30th January 2011.
- Dr. N. M. Patil and Dr. K. D. Gopale were recipients of Best Poster Presentation Award in International Conference on Biodiversity and its Conservation held at Modern College of Arts, Science and Commerce in 2011.

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

- Dr. Amitabh Joshi, JNASCAR, Bangalore.
- Dr. Sitaramam, Retd. Head, Department of Biotechnology, Pune University.
- Dr. S. Manchester from Natural History Museum of Florida, USA.

## 25. Seminars/ Conferences/Workshops organized & the source of funding a) National b) International

The Department has successfully organized three International Conferences under the guidance of Principal Dr. R.S. Zunjarrao who was convener of these conferences.

- Dr. Mrs. Neeta Patil was an Organizing Secretary for these conferences.
- International Conference on Biodiversity and its Conservation, 28<sup>th</sup> to 30<sup>th</sup> January 2010, funded by University Grants Commission, New Delhi.
- International Conference on Business Opportunities in Life Sciences, 28<sup>th</sup> to 30<sup>th</sup> January 2012, funded by University Grants Commission, New Delhi.
- Workshop details: from IQAC.
- Workshop on Revised syllabus of T. Y. B. Sc. Botany (2010 pattern) was organized in which theory syllabus was thoroughly discussed and amended. This workshop was funded by BCUD.

## 26. Student profile programme/course wise:

Name of the Course/programme B.Sc.	Applications received	Selected	Enrolled		Pass %
			*M	*F	
2010-2011	297	163	50	113	100
2011-2012	361	158	44	114	95.23
2012-2013	326	156	42	114	100

Name of the Course/programme M.Sc.	Applications received	Selected	Enrolled		Pass %
			M	F	
2010-2011	68	20	5	15	100
2011-2012	16	7	3	4	90.47
2012-2013	79	25	8	17	100

## 27. Diversity of Students

B.Sc.

Year	% of students from the same state	% of students from other States	% of students from abroad
2010-2011	100	Nil	Nil
2011-2012	100	Nil	Nil
2012-2013	100	Nil	Nil

**M.Sc.**

Year	% of students from the same state	% of students from other States	% of students from abroad
2010-2011	84.62	11.54	3.85
2011-2012	84.62	7.69	7.69
2012-2013	100	0.00	0.00

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

NET, SET: 02

Hrishikesh Khodade and Ganesh Mankar

Defence Services: 01

Anand Pratap Singh

ICAR NET and TIFR entrance exam:

Ganesh Mankar

**29. Student progression**

Student progression	Against % enrolled
UG to PG	40%
PG to M.Phil.	< 1%
PG to Ph.D.	< 1%
Ph.D. to Post-Doctoral	Nil
<b>Employed</b>	
• Campus selection	Nil
• Other than campus recruitment	
Entrepreneurship/Self-employment	-

**30. Details of Infrastructural facilities**

- Library: Central Library of the college
- Internet facilities for Staff & Students : The department has wired as well as wireless internet facility through 10 mbps leased line. The students have free access to the wired internet facility, facility of downloading the documents and printing documents.
- Class rooms with ICT facility: The classrooms used for F.Y.B.Sc, S.Y.B.Sc, and T.Y.B.Sc as well as classrooms for Post Graduate classes are equipped with LCD projectors and portable audio system.
- Laboratories: The department has three separate laboratories for UG, PG and Post Graduate Research. These laboratories are well equipped with necessary equipment and instruments.

**31. Number of students receiving financial assistance from college, university, government or other agencies.**

The figures represent the total number of students of the Science faculty and the Post Graduate students of the department.

Academic Year	Total number of students
2010-11	59
2011-12	85
2012-13	65

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

The department has organized following lectures:

- Dr. H V Ghate, Head, Department of Zoology delivered a lectures on Scientific Writing to the post graduate students
- Dr. Pankaj Mundada from Yashwantrao Chavan College of Science, Satara has delivered a lecture on Biofertilizer Technology.
- Dr. Stevenson Manchester, Curator of Paleobotany from Florida Natural History Museum, University of Florida, US, has delivered a lecture on the subject of Palaeobotany.
- Dr. N D Bhore delivered a lecture on 20th December 2010 to the students of Botany on the subject 'Scope, Importance and Prospects in the field of Botany'.
- Dr. Sanjay Eksambekar from Phytolith Research Institute, IIT Campus, Mumbai, delivered a lecture on 'Phytolith- an emerging tool' on 14 August 2010.
- A lecture series based on the career opportunities for UG and PG students was organized on August 2010 and exhibition based on it in February 2011.

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

- E-learning sessions were conducted by Department of Botany in collaboration with a well-known educational organization Multiversity.
- All the faculty members use PowerPoint presentations, animations and educational videos for better teaching- learning experience.
- Students are taken to field visits and industrial visits.
- Students are exposed to participatory learning experiences by organizing various competitions like scientific model making competition, flower arrangement competition and photography competition.

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

- Labelling roadside trees with botanical names: The department has taken the initiative in labelling the trees in the nearby areas. So far, the trees on the Modern College Road were labelled with the botanical names. This activity was

extended to the trees on the Ghole Road and Apte Road.

- The faculty members from the department conducted a short-term training course for the Self Help groups in the neighbourhood communities. This course was based on the preparation of herbal cosmetics.
- All the staff members were actively involved in Indian Census activity in 2010-11
- All the staff members were actively involved in State Assembly Elections in the capacity of Presiding officers.

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

#### Strength:

- Very effective use of ICT for enhancing the quality of teaching and learning.
- The department has well-equipped laboratories.
- A well-equipped and well established Post Graduate Research Laboratory recognized by the Pune University as a Research Center for pursuing research for Ph.D. degree
- Various high-end instruments are available in the department for research
- A well developed Digital Herbarium
- The department has a well-established Plant Tissue Culture laboratory.
- Almost all of the staff members in the department have research projects funded by UGC, DST, and BCUD etc.
- Almost all of the staff members have enhanced their qualifications in service.
- A good tradition of add-on courses

#### Weaknesses:

- Placement activity at departmental level needs to be strengthened.

#### Opportunities:

- To attract meritorious students to the subject and motivate them to take up a career in the field of Botany.
- To motivate students for pursuing research in all major areas of plant sciences.
- To improve the soft skills in the students
- Hands-on-training programmes for the students in various plant-based industries.
- To create awareness about environment related issues among the students as well as people in general through the events like 'nature walk'.
- Enhancing the quality of education, through the collaborative activity with Pune University, IISER Pune and University of Melbourne, Australia, for conducting B.Sc. Blended course.

#### Challenges:

- To motivate more students to take up career in Botany subject.
- To inculcate appropriate skills for better job opportunities
- Genuine multifactorial limitations of the students coming from varied socio-economic background creates heterogeneity in the class and addressing the needs of all of them in the same class is a challenging task.

#### Future plans:

- More number of add on courses in collaboration with industries.
- Maximum students will be given hands-on training in various plant based industries.
- Industry sponsored collaborative research projects
- Publication of a research annual
- Publication of an e-brochure/ print copy brochure for better placement of the students.

#### Departmental Activity:

The department of Botany was engaged in various activities in this academic year. The Department of Botany has always tried to impart quality education at Junior, Senior, Post-graduate, Doctoral research and Post Doctoral Research levels. The LCD projectors are installed in undergraduate and postgraduate laboratories. It was possible to show various presentations, animations and specimens to make the teaching interesting to the students. This year the number of students enrolled for the Botany is XI: 309; XII: 210; F. Y. B. Sc: 150; S. Y. B. Sc: 84; T.Y. B. Sc: 18 and M.Sc I, II – 29.

#### Departmental Activities

- Many field trips were organized for T.Y.B.Sc and M.Sc students to develop and increase their interest in Taxonomy of plants.
- The Wall Paper magazine activity continued this year for the undergraduate students.
- A six months remedial course was conducted by the Botany department for S. Y. B. Sc. Students in 'Plant Tissue Culture'. 12 students were participated in the course. The duration of the course was from July 2012- December 2012.
- Under the guidance of Dr. R.S.Zunjarrao in the month of October 2012, the Department of Botany had organized an Intercollegiate Photography Competition based on the theme of 'Nature in Rainy Season'. Dr. Rajkumar Barmukh coordinated this event. About fifty participants, students as well as teachers, from various colleges participated in this competition and about 125 photographs were displayed in the exhibition. Prof. Sairaj Patki from the Department of Psychology of our college won the first prize, Miss Eshani Godbole from MES Garware College, Pune – 4, won the second prize and Prof. Apeksha Gawade from the Department of Psychology, of our college won the third prize. Prof. Dr. Rajendra Mahamuni, Director, Department of Photography, Fergusson College, Pune, worked as the honorable Judge for this competition.
- Under the guidance of Dr. R.S.Zunjarrao, the department had organized an exhibition of Flower Arrangements on 22<sup>nd</sup> January 2013. The flower arrangements made from fresh flowers as well as dry flowers were displayed in this exhibition. The fresh flower arrangements were made by Mrs. Saroj Joshi, a well known artist in this field. The exhibits of dry flower arrangements were made by Prof. Manisha Mandhare from our department. One of our past student Dr. Mrs. Anagha Shinde displayed few interesting Petal Art exhibits she has made with the dried petals of various flowers.

Prof. Manisha Mandhare and Dr. Rajkumar Barmukh coordinated this event.

- vi) Botany association was formed in the department under the guidance of Dr. R. S. Zunjarrao and activities like Wall paper magazine (for F.Y., S.Y. and T.Y. B.Sc.) and PowerPoint presentation competition for T.Y. B.Sc. students were carried out.

#### Different Courses conducted by Department:

- i) Add on course of "Ayurvedic Medicines and Herbal Products Preparation" was conducted by Prof. R. N. Ingole. Till now he has guided four batches under employability enhancement scheme.
- ii) Certificate course in Seed Technology was conducted by Prof. Arti P Goggi.

#### List of Professors invited as guest Lecturers for M. Sc. course.

- i) Dr V.D.Ranade, Retd. Head, Botany Department, Garware College, Pune.
- ii) Ms. Arti Goggi, Botany Department, Modern College, Shivajinagar, Pune.
- iii) Dr. Bonde, Agharkar Research Institute, Pune.
- iv) Ms. Rasika Kulkarni
- v) Ms. Ankita Sinha
- vi) Dr. Jennet W. Francis

#### Study Tours and Excursion

Local Botanical excursion tour was organized by the Botany Department in September 2012 for F.Y. B. Sc. Botany students to Tamhini ghat for studying plant diversity and also for collection of plants.

- i) A Botanical Excursion Tour was organized at Mahabaleshwar for the students of S. Y. B. Sc. in the month of February 2013 for observation of Angiospermic and other plants.
- ii) A Three day excursion tour was arranged at Amboli and Malvan for the students of T.Y.B.Sc. for the collection and study of marine algae in the month of January 2013.
- iii) A short visit to the Plant Tissue Culture Laboratory of the Department of Biotechnology, College of Agriculture, Pune, was organized for the students of S. Y. B. Sc. in the month of February 2013.
- iv) A visit was arranged for T. Y. B. Sc student's to Ayurvedic Rasshala, Karve road Pune, Plant Breeding Station of ARI, Seed Testing Lab, Seed processing unit.
- v) A visit was arranged to Dive-Agar, Harihareshwar for M.Sc. II students in the month of October 2012 to observe the algal diversity
- vi) A one day visit to Mahabaleshwar was arranged for M.Sc. I students in the month of March 2013.
- vii) A visit was arranged to BSI for M.Sc. I and II students in the month of March 2013.

#### Staff Achievements

##### Undergraduate Wing

#### 1. Dr. R. S. Zunjarrao, (Head, Department of Botany)

- a. Working as Principal investigator on project **SR/SO/S-42/2008**, entitled as "Ecological and Life History Studies of the Association between Cryptogams and Grouse Locusts." Funded by Department of Science and Technology for the year 20010-2013, of Rs. 39,52,500/-.
- b. University Grants Commission, New Delhi, sanctioned funds of Rs. 9,86,750/- for a major research project entitled 'Developing a Digital Herbarium of Angiospermic Plants of The Western Ghat Regions of Maharashtra.'

#### c. Research paper published:

**Zunjarrao R. S. and Gopale K. D.** (2013) "Evaluation of Genetic Diversity of *Jatropha Curcas* L. Using RAPD Marker in Maharashtra" *Int. J. Pure Appl. Sci. Technol.*, 14(2), pp. 142- 154. (**Impact factor 0.36**)

- d. One student Dr. K. D. Gopale awarded Ph. D. under guidance of Dr. R. S. Zunjarrao.

#### e. Book published:

"**Diversity and propagation studies of *Jatropha curcas* L.:A Biodiesel plant,**" has been published by LAP LAMBERT Academic Publishing is a trademark of: AV Akademikerverlag GmbH & Co. KG Heinrich-Böcking-Str. 6-8,6121, Saarbrücken, Germany. ISBN 978-3-659-28960-6

#### 2. Dr. N. M. Patil

- a. A Co- investigator for BCUD funded project Synthesis of silver nanoparticles using *Parthenium hysterophorus* (congress weed): a novel approach towards weed utilization (Proposal No: 11SCI001210) of amount 2,00,000/- for a period of two years June 2012- March 2014.
- b. Recognized Guide of Ph.D. of University of Pune from 8/5/2012
- c. Poster presentation of BCUD sanctioned project entitled green synthesis of silver nanoparticles using congress weed – *Parthenium hysterophorus* at Avishkar on December 10<sup>th</sup> 2012 held in Fergusson college, Pune-411004.
- d. Participation as member of Organizing committee in the '**International Conference on Employability Enhancement through Proficiency in Indian and Foreign Languages**' held on 28<sup>th</sup> to 30<sup>th</sup> January 2013 at Modern College of Arts, Science and Commerce, Shivajinagar, Pune -411005, in association with ICSSR, New Delhi and under Quality Improvement Program me, University of Pune.
- e. Active participation in workshop on "**Effective grant writing skills**" and "**Strategic Management of IPR**" held at Residency Hall, Hotel Green Park, Begum Peth, **Hyderabad** held on **July 10-11, 2012** organised by BIRAC (Biotechnology Industry Research Assistance Council in association with BCIL (Biotech Consortium India Limited).
- f. Attended one day workshop on 'Intellectual Property rights' organized by Dept. Of Biotechnology, Modern College of Arts, Science and Commerce

#### 3. Dr. R.B. Barmukh

- a. Worked as a member of a sub-committee formed by the Board of Studies in Botany, for framing of the F. Y. B. Sc. Botany syllabus to be implemented from the academic year 2013-2014.
- b. Attended a one day workshop at Anatrao Pawar Mahavidyalaya, Pirangut, Pune, on the proposed syllabus of Botany at F. Y. B. Sc., which is to be implemented from the academic year 2013-2014.
- c. Attended a one day workshop at Radhabai Kale Mahila Mahavidyalaya, Ahmednagar, on the proposed syllabus of Botany at F. Y. B. Sc., which is to be implemented from the academic year 2013-2014.

- d. Attended a one day workshop at New Arts, Science and Commerce College, Ahmednagar on the proposed syllabus of M.Sc. Botany (Credit System) which is to be implemented from the academic year 2013-2014.
- e. Co-investigator of a research project entitled 'Developing a Digital Herbarium of Angiospermic Plants of The Western Ghat Regions of Maharashtra'. This major research project was sanctioned to Dr. R.S.Zunjarrao (Principal Investigator) for funding of Rs. 9,86,750/- by the University Grants Commission, New Delhi.
- f. Attended one day workshop on 'Intellectual Property Rights' organized by the Department Of Biotechnology, Modern College of Arts, Science and Commerce

#### 4. Prof. U. R. Wayase

- a. Attended a one day workshop at Radhabai Kale Mahila Mahavidyalaya, Ahmednagar, on the proposed syllabus of Botany at F.Y.B.Sc., which is to be implemented from the academic year 2013-2014.
- b. Completed a Refresher Course in life Sciences at the Department of Botany, University of Pune, Pune, with 'O' Grade and stood first in the batch of 34 participants.
- c. Coordinated and conducted a Certificate Course in Plant Tissue Culture course for the students of S.Y.B.Sc. Botany.
- d. Submitted the Ph.D. (Biotechnology) thesis entitled 'Metabolic Engineering for salt tolerance in tomato (*Lycopersicon esculentum* Mill.)' to the University of Pune.

#### 5. Prof. Arti Goggi.

- a. Conducted and co-ordinated Seed technology course for S.Y.B.Sc, T. Y. B.Sc. and M. Sc. Students.
- b. Guided S.Y. B. Sc. students for BCUD sponsored Project Competition Named "Avishkar".
- c. Guidance was given to IZI sponsored Project to S.Y. B. Sc students. The project entitled "Screening of cellulose degrading micro-organisms for waste management". The students won 1<sup>st</sup> prize in this competition.
- d. Participated in National conference entitled, "Exploring Strategies for Enhancement of Secondary Metabolites in Medicinal Plants" conducted at Dept. of Botany, University of Pune.
- e. Completed Orientation Programme conducted by Academic Staff College, UGC, University of Pune.
- f. Participated in workshop on 'Co-operative learning for better classroom teaching'

#### 6. Prof. Aditi Kulkarni

- a. Participated in National conference entitled, "Exploring Strategies For Enhancement Of Secondary Metabolites In Medicinal Plants" conducted at Dept. of Botany, University of Pune
- b. Conducted Seed technology course for S.Y.B.Sc, T. Y. B.Sc. and M. Sc. Students.
- c. Guided S.Y.B.Sc students for BCUD sponsored Project Competition Named "Avishkar".
- d. Guidance was given to IZI sponsored Project to S. Y. B. Sc students. The project entitled "Screening of cellulose degrading micro-organisms for waste management". The students won 1<sup>st</sup> prize in this competition.
- e. Participated in workshop on 'Co-operative learning for better classroom teaching'
- f. Attended one day workshop on 'Intellectual Property rights' organized by Dept. Of Biotechnology, Modern College of Arts, Science and Commerce

#### Post Graduate Wing

##### 1. Prof. S. P. Salunkhe

- a. Selected as Plant taxonomy expert for Tree Census in Pune by High court through Nyati Infosys

##### 2. Prof. P. V. Shelar

- a. Cracked the NET examination with the 4<sup>th</sup> National Rank in the month of December 2012. He has been selected as Assistant Professor in Botany at B.N. Purandare College, Lonavala

##### 3. Dr. K. D. Gopale

- a. Awarded Ph. D. in Botany by University of Pune on 17<sup>th</sup> September, 2012. Ph. D. topic was "**Diversity and propagation studies of *Jatropha curcas* L.:A Biodiesel plant.**"
- b. Research project entitled "**Fatty Acid Profiling and Molecular Characterisation of Potential Biodiesel Producing microalgae from South India**" has been sanctioned and funded by Department of Science and Technology (DST) New Delhi, of around Rs. 30, 00,000/- , for years 2013 to 2016, Under young Scientist Research Schemes category.
- c. Ph. D. thesis entitled "**Diversity and propagation studies of *Jatropha curcas* L.:A Biodiesel plant,**" has been published by LAP LAMBERT Academic Publishing is a trademark of: AV Akademikerverlag GmbH & Co. KG Heinrich-Böcking-Str. 6-8,6121, Saarbrücken, Germany. ISBN 978-3-659-28960-6
- d. Working as Co-investigator on project **SR/SO/S-42/2008**, entitled as "Ecological and Life History Studies of the Association between Cryptogams and Grouse Locusts." Funded by Department of Science and Technology for the year 2010-2013, of Rs. 39,52,500/-.
- e. Lecturer Workshop attended:
  - ii) Attended State level work shop on "Choice Based Credit System" organised by Chandmal Tarachand Bora College, Shirur, Pune, on 16<sup>th</sup> January, 2013.
  - iii) Attended work shop on "Framing of credit system syllabus for M. Sc. Botany" organised by New Arts, Science and Science College , Ahmednagar, on 26<sup>th</sup> February, 2013.
- f. Research paper published.  
Gopale K. D. and Zunjarrao R. S. (2013) "Evaluation of Genetic Diversity of *Jatropha Curcas* L. Using RAPD Marker in Maharashtra" *Int. J. Pure Appl. Sci. Technol.*, 14(2), pp. 142- 154. (**Impact factor 0.36**)

#### Junior wing

##### 1. Prof. R. N. Ingole

- a. Appointed as Science Faculty Co-ordinator Jr. College.
- b. Essay Competition-for Western Maharashtra Teachers organised by Yashwant Sharad Pratisthan, Pune. Best Consolation prize
- c. Participated in workshop organised by HSC Board Pune for Upgraded Syllabi- Std. XII.

##### 2. Prof. Manisha Mandhare

- a. Attended 5 days 'INSPIRE' camp in University of Pune Geology department.

- b. Completed 7 days NSS Programme Officer Training in Ahmednagar from 7<sup>th</sup> Jan 2013 to 13<sup>th</sup> Jan 2013
- c. Organised "Flower Arrangement Exhibition" of Dry flowers, Ikebana & Petal craft.
- d. Co-ordinator of various competitions & competitive examinations for junior college students. Brain Bee Quiz, Youth Conference at Bangalore.
- e. Conducted Science Quiz for Jr. college as Quiz Master organized by Science Association.
- f. Completed Confidential work of 'MT CET' from 11<sup>th</sup> March to 14<sup>th</sup> March 2013.

### 3. Prof. Shubhada Phadnis

- a. Worked as member of co-ordination committee for workshop on 'Co-operative learning for better classroom teaching'
- b. Worked as a resource person for 'Integrated vermitechnology' course conducted by Zoology Department.

### Students' Achievement

- a. Two of our students from SYBSc Botany (Div.B) class, Miss Surabhi Rode and Miss Rupali Wankhede were selected for Summer Training Programme sponsored by Indian Academy of Sciences, Bangalore.
- b. A group of six students lead by Ms. Sayali Kirtiwar (SYBSc Botany, Div. B) was financed by Ignited Innovators of India through College of Engineering, Pune for carrying out a research project on "Screening of cellulose degrading micro-organisms for waste management". Their project won **1<sup>st</sup> Prize (Best Project Trophy)** at a State level project competition.
- c. Two students of S.Y. B. Sc. Botany, Mr. Salim Shaikh and Mr. Suraj Jaiswal presented a poster on 'Green synthesis of silver nanoparticles and their incorporation in paper' at Avishkar zonal Level Project Competition on December 10<sup>th</sup> 2012 held in Ferguson college, Pune-411004.

**Dr. R. S. Zunjarrao**  
Head, Department of Botany

## Department of Chemistry

1. **Name of the department:** Department of Chemistry
2. **Year of Establishment:** 1970
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):**  
B. Sc. (Chemistry),  
M. Sc. (Analytical Chemistry)
4. **Names of Interdisciplinary courses and the departments/units involved:** Nil
5. **Annual/ semester/choice based credit system (programme wise) :**  
F.Y. B.Sc. (Chemistry) : Annual Pattern  
S.Y. and T.Y. B.Sc. Chemistry: Semester Pattern  
M.Sc. Analytical Chemistry: Semester Pattern
6. **Participation of the department in the courses offered by other departments:**

Name of the Course	Name of the Department
Fundamentals of Chemistry	Department of Biotechnology
	Department of Microbiology

7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Certificate Course in Analytical techniques was conducted in collaboration with industry viz., ROSS Life Sciences, Pune.
8. **Details of courses/programmes discontinued (if any) with reasons :** Nil
9. **Number of Teaching posts**

Designation	Sanctioned	Filled
Professors	-	-
Associate Professors	2	2
Assistant Professors	8	7

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

Name	Qualification	Designation	Specilization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Prof. S.R.Pokharkar (Upto 30 <sup>th</sup> September 2013)	M.Sc. M.Phil.	Ex-HOD, Associate Professor	Inorganic Chemistry	35	-
Dr.(Mrs) S. D. Joag (upto 31 <sup>st</sup> October 2015)	M. Sc, Ph. D	Ex-HOD, Associate Professor	Organic Chemistry	35	-
Dr. S. K. Ujalambkar	M. Sc. Ph. D. M.A. (Marathi) M.Com.	Associate Professor	Physical Chemistry	33	-
Prof. H. K. Gaikwad	M.Sc., SET, NET	Assistant Professor	Organic Chemistry	16	-
Prof. S. S. Sakate	M.Sc, SET, NET	Assistant Professor	Organic Chemistry	14	-
(Mrs) P. B. Suryavanshi	M.Sc, SET, NET	Assistant Professor	Organic Chemistry	12	-
Prof. R. M. Jagtap	M.Sc, SET, NET	Assistant Professor	Organic Chemistry	08	-
Prof. L. B. Rane	M. Sc. M.Phil.	Assistant Professor	Analytical Chemistry	06	-

Dr.(Mrs.)M. Nirgudkar	M. Sc. Ph. D.	Assistant Professor	Physical Chemistry	05	-
Prof. Tejal Dolas	M.Sc.	Assistant Professor	Organic Chemistry	04	-
Prof. A. S. Warangule*	M.Sc, NET	Assistant Professor	Organic Chemistry	02	-
Prof. M. J. Kashid	M. Sc.	Assistant Professor	Inorganic Chemistry	02	-

(\* Working in the Leave Vacancy of Prof. S.S.Sakate, who is on a sabbatical leave of UGC-FIP for pursuing Ph.D.)

#### 11. List of senior visiting faculty:

Dr. P. G. Pol, *Ex-HOD, Fergusson College, Pune 4.*

#### 12. Percentage of lectures delivered and practical classes handled

(programme wise) by temporary faculty:

UG : L: 18 % P: 12 %

PG : L: 15 % P: 12 %

#### 13. Student -Teacher Ratio (programme wise):

B.Sc.: 15:1

M.Sc. : 12:1

#### 14. Number of academic support staff (technical) and administrative staff; sanctioned and filled.

One post of Faculty Clerk, in the college office is sanctioned and filled.

Technical	Sanctioned	Filled
Class 3	1	1
Class 4	6	6

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

Qualification	PG	M.Phil.	Ph.D.	D.Litt.	D.Sc.
No. of Staff	6	1	2	-	-

#### 16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : Nil

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

Year	Name of the staff member	Funding agency	Amount sanctioned Rs.
2013-15	Prof. R. M. Jagtap	BCUD, Pune University, Pune 7.	2,30,000/-
2009-11	Dr. Mrs. S. D. Joag	UGC-WRO	2,00,000/-
2009-11	Prof. S.S.Sakate	UGC-WRO	2,00,000/-
2009-11	Prof. S.R. Pokharkar	BCUD-Pune University	2,50,000/-

#### 18. Research Centre /facility recognized by the University:

The staff members are actively involved in the research activities. However, the process of starting recognized Post Graduate Research Centre by Pune University, Pune has been initiated.

#### 19. Publications:

Name of the faculty	Papers			Books			Total publications	Total impact factor	Total citations	h-index
	International	National	Presented in Conference	International	National	Book chapter				
Dr.(Mrs) S. D. Joag	2	-	1	-	-	-	3	1.12	-	-
Prof. H. K. Gaikwad	8	-	-	-	-	-	8	-	-	-
Prof. S. S. Sakate	3	-	4	-	-	3	10	-	110	5
Prof. R. M. Jagtap	2	-	3	-	-	-	5	5.26	-	-

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

#### 21. Faculty as members in

- National committees
- International Committees
- Editorial Boards

Dr. Sudhir Ujalambkar worked on the Editorial Board of National Conference on Chemistry organized in the college on 23<sup>rd</sup> to 25<sup>th</sup> February 2012.

#### 22. Student projects

- Percentage of students who have done in-house projects including inter departmental/programme:  
PG: 15% UG: 10%
- Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/ Industry/ other agencies: PG: 05 %

**23. Awards/ Recognitions received by faculty and students:****Teachers**

- Dr. (Mrs) Sushama Joag received First Prize at National Competition on 'Role that chemical industry can play to enhance Chemical Education in India' organized by BASF-ICT, Mumbai in January 2011.

**Students**

- Ms. Apoorva Bhagat' First Rank in SP Pune University at M. Sc ( Analytical Chemistry) in May 2012, Ms Pratiksha Muley' 7<sup>th</sup> rank in M.Sc. (Analytical Chemistry) May, 2012.

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

- Dr. Sanjay Sonawane, Ex-Head, Analytical Division, Sai Advantium, Hinjwadi, Pune. (2010)
- Dr. Prasad Kulkarni, Sc. D., Agharkar Research Institute, Pune. (2011)
- Dr. Sourav Pal, Director, NCL, Pune.
- Dr. Prabodh Chobe, GM, BASF, Mumbai.
- Dr. Sikdar, Dy. Director, HEMRL, Pune.
- Dr. Vinay Oswal, Director, NAFARI, Pune.
- Mr. S.P.Bhagwat, General Manager, L&T, Mumbai.

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

National: National Conference on 'Perspective of Chemical Sciences' funded by BCUD, Pune University in February 2012

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

Name of the Course/programme - B.Sc. Chemistry	Applications received	Selected	Enrolled		Pass %
			M	F	
2010-2011	297	207	96	111	-
2011-2012	361	269	111	158	-
2012-2013	326	271	99	172	-

Name of the Course/programme - M.Sc. Chemistry	Applications received	Selected	Enrolled		Pass %
			M	F	
2010-2011	54	33	8	25	47.22
2011-2012	48	33	17	16	40
2012-2013	68	40	17	23	46.66

**27. Diversity of Students****B.Sc.**

Year	% of students from the same state	% of students from other States	% of students from abroad
2010-2011	100	Nil	Nil
2011-2012	100	Nil	Nil
2012-2013	100	Nil	Nil

**M.Sc.**

Year	% of students from the same state	% of students from other States	% of students from abroad
2010-2011	98.63	1.37	0.00
2011-2012	98.80	1.20	0.00
2012-2013	100.00	0.00	0.00

**28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. : NET: 01****29. Student progression:**

Student progression	Against % enrolled
UG to PG	40-50%
PG to M.Phil.	-
PG to Ph.D.	2-3%
Ph.D. to Post-Doctoral	-
<b>Employed</b>	
• Campus selection	2-3%
• Other than campus recruitment	10%
Entrepreneurship/Self-employment	-

**30. Details of Infrastructural facilities:**

- Library: Central Library and Departmental Library.
- Internet facilities for Staff & Students: 6 computers with 10 mbps leased line internet connection and Wi-Fi.
- Class rooms with ICT facility: Yes
- Laboratories:
  - Sr. General Laboratory: 01
  - L. H. Gadgil Instrumental and Physical Lab.: 01
  - P. G. Laboratory: 01

- Research Laboratory: 01

### 31. Number of students receiving financial assistance from college, university, government or other agencies:

The figures represent the total number of students of the Science Faculty and the Post Graduate students of the department.

Year	Total number of students
2010-11	59
2011-12	80
2012-13	72

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

#### • Special Lectures by External Experts:

Date	Topic
23/02/2012	1. Chemistry in shaping materials for the future - Dr. Saurav Pal, Director, NCL, Pune. 2. Career opportunities in chemical Industry - Dr. Prabodh Chobe, Senior G. M., BASF, Mumbai.
24/2/12	3. High Energy Materials, Science & Scope, - Dr. A. K. Sikder, Dy Director, HEMRL, Pune.
25/2/12	4. Development and Application of NAA - Dr. R. N. Acharya, Scientist 'F', BARC, Mumbai.

- Certificate Course in Analytical Techniques (in collaboration with Ross Life Science Pvt Ltd) 27<sup>th</sup> to 30<sup>th</sup> March 2012.
- A training course in 'Chemical Based Product Preparation' is conducted every year

### 33. Teaching methods adopted to improve student learning:

- Use of effective pedagogy methods
- Use of molecular-crystal models
- Charts
- Use of LCD projectors
- Group Discussion
- Students Seminar

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

- Staff members of the department contribute substantially in the ISR in the capacity of Ex-Chairman (Student Welfare), Co-ordinator (NSS), Advisor (Art Circle), and Co-ordinator (Chem-Modern Competition).
- Staff members are also involved in number of extension activities such as Chemiad exam of Pune University, Science Talent Exam of HBSCE, NNT Programme of MKCL, Teacher's Training programmes of Exploratory Science center, Science Park of Pune University, invited talks on science related topics in various institutions.
- Dr. S.K.Ujambkar has worked as a Coordinator of Summar Training/Refresher Course for college and university teachers.

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

#### Strength:

- Good infrastructure
- Experienced, research oriented and enthusiastic staff

#### Weaknesses:

- Constraint of occasional dependence on temporary staff (CHB)
- Placement activity at departmental level needs to be strengthened.

#### Opportunities:

- Higher studies in chemistry as well as job opportunities due to the availability of central research institutes like NCL, and chemical industries in around Pune.
- Enhancing the quality of education, through the collaborative activity with Pune University, IISER Pune and University of Melbourne, Australia, for conducting B.Sc. Blended course.

#### Challenges:

- Paucity of career oriented teachers to teach Chemistry at UG and PG level
- Genuine multifactorial limitations of the students coming from varied socio-economic background creates heterogeneity in the class and addressing the needs of all of them in the same class is a challenging task.

#### Future Plans:

- Research Centre recognized by the Pune University.
- Laboratories with improved infrastructure.
- CCTV camera system in all the laboratories
- E-brochure for better placement of the students.
- More add-on courses.

#### Departmental activities:

1. Chemiad exam for F.Y B.Sc students held by department of Chemistry, University of Pune on 14<sup>th</sup> Jan 2013.
2. State Level " Science Talent Search Exam" for undergraduate students held on 2<sup>nd</sup> Feb, 2013.
3. Campus Interview for M. Sc students a) Galaxy Surfactants Ltd., Mumbai- Three M.Sc students were selected for final interview to be held on 19<sup>th</sup> March 2013. b) e-solve online teaching job -7<sup>th</sup> March 2013.
4. Guest Lecture on 2<sup>nd</sup> March 2013 by Chirag K. Vyas ( Ex- student of modern college) M.S and currently Ph.D candidate at emerging Nuclear technology Lab, Sungkyunkwan University, Korea.

**Achievements and contribution of the staff members:****S.R. Pokharkar**

1. Chairman Library committee .
2. In Charge, students journals store.
3. Appointed as Chairman by University of Pune For M.Sc (II) Analytical Chemistry, Theory and Practical Exam.
4. Attended a Workshop for restructuring of F.Y B.Sc Chemistry Syllabus 2013, organized by BCUD, in University of Pune and Abasaheb Garware College, Pune on 26<sup>th</sup> Feb 2013.
5. Co-author of 12 textbooks for F.Y., S.Y., T.Y., B.Sc Chemistry.

**Dr. (Mrs) S. D. Joag**

1. Advisor-prize distribution committee, Arts circle.
2. Co-ordinator study group for use of innovative pedagogic methods in teaching at college.
3. Convenor –Workshop on co-operative learning applied to classroom (8<sup>th</sup> Feb 2013).
4. Oral presentation National Workshop of applied statistic and Interdisciplinary approach, Fergusson College, Pune on 15-16 March 2013.
5. Coordinator Workshop on Voice culture August 2012.
6. Resource person- teachers training programme, exploratory Science centre, Pune June 2012.
7. Resource person – Introduction of periodic table 8<sup>th</sup> STD students in Abhinav Vidyalaya by crossword puzzle method, June 2012.

**Dr. S.K. Ujalambkar**

1. Worked as Chairperson, accommodation committee for the International language Conference.
2. More than ten lectures were given in different schools, to a group of more than 100 teachers- as expert in Chemistry.
3. Organized a seminar on “Entrepreneurship Development Programme” from 8<sup>th</sup> Jan to 12<sup>th</sup> Jan 2013.
4. Chief guest for various functions in different schools.
5. Lectures on Scientists, freedom fighters and social workers, in different NSS group and schools.

**Mrs. P.B. Suryavanshi**

1. Co-ordinator for Chemiad Examination.

**R. M. Jagtap**

1. Organizing committee member workshop on co-operative learning.
2. Co-ordinator Chemiad exam for F.Y.B.SC 14<sup>th</sup> Jan 2013.
3. Co-ordinator –Science talent search exam for UG students 2<sup>nd</sup> Feb 2013.
4. Presented Research Paper at “ Indian Council of Chemists” Conference held at Saurashtra University, Rajkot 26-28 Dec 2012.

**Dr. Kirti Badave**

1. Award of Ph.D degree of University of Pune, Pune on 4<sup>th</sup> Jan 2013. Thesis titled : “Antioncogenic Agents from Vitamin K<sub>3</sub> family and their conjugates Targeting Enzymes” under guidance of Prof. V. D. Kelkar and Prof.S.Y. Rane.
2. Organizing committee member of workshop on Cooperative learning Applied to Classroom on 8<sup>th</sup> Feb 2013.

**S. R. Pokharkar****(Head, Department of Chemistry)****Study Group for Use of Innovative Pedagogic Methods**

Taking Cognizance of the Research and Development in the field of education, a study group of teacher was formed this year for use of Innovative Pedagogic methods at College level. 32 teachers from all the faculties and wings of the college got enrolled as members . The four meetings of the group were interactive sessions conducted by Dr. Lalita Agashe, Editor, Newsletters of IASCE ( International association for Study of Cooperation in Education). Innovative Pedagogic methods like pairing technique, concept chart were introduced to the members. Many of the members implemented this techniques in their classes, and shared their experience with other members during the following meetings.

This years activities of the studygroup culminated in organization of an Intercollegiate workshop on cooperative learning applied to classroom, on 8<sup>th</sup> Feb 2013. The workshop was conducted by an International resource person Dr. Yael sharan, Director, GRIP, Israel, jointly with Dr. Lalita Agashe. Out of the total 50 teachers taking benefit of the workshop, 14 were from other colleges in Pune, Talegaon and Gargoti. Prof R.M. Jagtap, Dr. K. Badave, Prof R. Bhalerao worked as members of the organizing committee of the workshop.

Activities of this newly formed study group served the purpose of creating awareness in the mind of teachers about the need for use of never pedagogic methods at college level and also provided them a way to achieve it.

**Dr. S. D. Joag****Coordinator**

## Department of Commerce

1. **Name of the department** :Department of Commerce

**Year of Establishment:** 1970

3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**

B.Com. : 1970

M.Com. : 1977

Ph.D. : 2008

4. **Names of Interdisciplinary courses and the departments / units involved**

- Certificate Course in Tally
- Certificate Course in *Modi* script

- Certificate Course in Graphology
- 5. Annual / semester (Programme wise):**  
B.Com.: Annual Pattern  
M.Com.: Semester Pattern
- 6. Participation of the department in the courses offered by other departments Lectures by members of the department:**
- Lectures for M.Sc. Botany on 'Entrepreneurship Development'
  - Lectures for T.Y. B. Sc. Biotechnology on 'Bio-Process Economics'
  - Lectures for First Year B.B.A. and B.C.A. on 'Advanced Accounting and Costing'
  - Lectures for T. Y. B.Sc. Electronics on 'Entrepreneurship Development'
- 7. Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil
- 8. Details of courses / programmes discontinued (if any) with reasons:** Nil
- 9. Number of teaching posts:**

	Sanctioned	Filled
Professors	-	-
Associate Professors	7	7
Assistant Professors	5	5

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

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. Y. R. Waghmare	M. Com., F.C.A., Ph. D.	Associate Professor	Advanced Accounting, Costing	35	8
Dr. S. K. Rahane	M. Com., M. Phil., Ph. D., M. A. (Psychology - Counseling)	Associate Professor	Advanced Accounting, Costing	33	4
Dr. A. V. Kamble	M. Com., M. Phil., Ph. D.	Associate Professor	Advanced Accounting & Auditing	29	4
Prof. S. J. Ahiwale*	M. Com., M.A. (Eco), M. Phil.	Associate Professor	Advanced Accounting	26	-
Dr. R. W. Kulkarni	M. Com., F.C.M.A., M. Phil., M.M.S., Ph.D.	Associate Professor	Advanced Costing	32	-
Dr. V. N. Gaikwad	M. Com., SET, Ph.D.	Associate Professor	Advanced Accounting	23	-
Prof. A. V. Desai	M. Com., SET	Associate Professor	Marketing and Corporate Law	20	-
Prof. S. R. Hirve	M. Com., SET	Assistant Professor	Advanced Accounting, Costing	11	-
Prof. R. D. Bansode*	M.Com., D.T.L., G.D.C.& A., NET	Assistant Professor	Advanced Accounting	15	-
Prof. R. D. Jadhav	M. Com., NET	Assistant Professor	Advanced Accounting and Taxation	04	-
Prof. R. Y. Deshpande	M. Com., M. B. A., LL.M., NET	Assistant Professor (Part time)	Mercantile Law	31	-
Prof. Rasika Date	M. Com., SET., A.C.A.	Assistant Professor (Part time)	Advanced Accounting & Auditing	21	-

- 11. List of senior visiting faculty:** Nil
- 12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:**  
B.Com.: 6% , M.Com.: 4%
- 13. Student - Teacher Ratio (programme wise):**  
B.Com.: 15:1  
M.Com.: 12:1

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

Four posts sanctioned and filled. Three Faculty Clerks from main office and one Attendent in the department provide the administrative support.

**1. Qualification of teaching faculty with D.Sc. / D.Litt. / Ph.D. / M.Phil. / PG.**

Qualification	PG	M.Phil.	Ph.D.	D.Litt.	D.Sc.
No. of Staff	8	4	5	-	-

- 16. Number of faculty with ongoing projects from a) National b) International Funding agencies and grants received:** 01
- 17. Departmental projects funded by DST - FIST; UGC, DBT, ICSSR, etc. and total grants received:**
- 18. Research Centre /facility recognized by the University:**  
Post Graduate Research Centre in Commerce, established in 2008, is recognized by the Pune University, Pune-7.
- 19. Publications:**

Name of the faculty	Research Papers	Books	al pub lica tion
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	International	National	Presented in Conference	International	National	Book chapter	
Dr. Y.R.Waghmare	1	7	-	-	4	-	12
Dr. S. K. Rahane	-	-	1	-	-	-	1
Dr. A. V. Kamble	-	3	-	-	-	-	3
Prof. S. R. Hirve	-	2	2	-	-	-	4
Prof. R. D. Bansode	1	3	-	-	-	-	4
Prof.Rasika Date	1	3	5	-	1	-	10

- **Monographs published by the department:**

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

Sr.No.	Name of the faculty	Area of consultancy
1.	Dr. Y.R.Waghmare	Investment and Financial Audit
2.	Dr. S.K.Rahane	Pre-marital counselling and general counselling
3.	Prof. Rasika Date	Investment and Tax Planning

**21. Faculty as members in a) National committees, b) International Committees, c) Editorial Boards**

Dr. Y. R. Waghmare and Prof. Rasika Date are members of the Institute of Chartered Accountants of India

**22. Student Projects:**

a) **Percentage of students who have done in-house projects including inter departmental/programme:** 100% at PG level

b) **Percentage of students placed for projects in organizations outside the institute i.e., in Research laboratories/ Industry/ other agencies:** Nil

The details of UG level students participating in *Avishkar*, a *Research* Project Competition organized by Pune University, are as follows:

**YEAR 2010-11**

Sr. No.	Name of The Student	Title of Project	Class	Name of The Guide
1	Pranav C. Shirole Sagar Shah	A Study impact of Levy of Income Tax on selected Urban Co-operative Banks in Pune District	S.Y.B.Com	Prof. Rasika Date

The project was selected in the Pune University team for State Level Research Project Competition *Avishkar* 2010-11 held at Nashik.

**YEAR 2011-12**

Sr. No.	Name of The Student	Title of Project	Class	Name of The Guide
1	Ms. Shruti Nadagouda	A study of ATM facility provided by Urban Co-operative Banks in Pune city area	T.Y.B.Com.	Prof. Rasika Date
2	Tushar R. Gujarathi Vikram U. Gawade	A study of Educational loans given by various banks in Pune city	S.Y.B.Com.	Dr. Sanjeevani Rahane
3*	Gaurav Tyagi	A study of Information Technology based customer services provided by selected Urban Co-operative Banks in Pune city area.	T.Y.B.Com.	Prof. Rasika Date

\* This project was selected at University Level *Avishkar*.

**YEAR 2012-13**

Sr. No.	Name of The Student	Title of Project	Class	Name of The Guide
1	Shilpa Raju*	An Analytical Study of Disputed Statutory dues of select companies	T.Y.B.Com.	Prof. Rasika Date
2	Darshan Shah	Behavioural Finance	T.Y.B.Com.	Prof. Rasika Date

\*This project was selected for State Level *Avishkar*.

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

- Dr. S. K. Rahane: 'Best Teacher Award' by the Progressive Education Society, Pune.
- Mr. Vikram Gawde (2012-13) was recipient of the 'Best Student Award' by the college.

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

- Dr. Banergee Sudipti: Head, Department of Commerce, Univeristy of Calcutta.
- Dr. Sanjay Kaptan: Head, Department of Commerce, Pune University, Pune.

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

- National: 01
- International: Nil
- State: 01

Year	Particulars	Theme
2010-11	One Day Workshop on 11 <sup>th</sup> Oct., 2010	Revision of syllabi for T.Y.B.Com.
2010-11	State Level Seminar on 11 <sup>th</sup> and 12 <sup>th</sup> March 2011	Implementation of the International Financial Reporting Standards (IFRS)

2011-12	One Day Seminar on 19 <sup>th</sup> Jan., 2012	Recent Amendments in Cost Accounting Records Rules and Cost Audit
2012-13	National Level Seminar on 23 <sup>rd</sup> and 24 <sup>th</sup> March, 2013	Emerging Trends in Indian Commerce and Industry

**27. Students profile (programme/course wise):****UG:**

Name of the programme (B.Com.)	Applications received	Selected	Enrolled		Pass %
			M	F	
2010- 2011	2000	441	209	232	86.00
2011-2012	1991	517	228	289	78.50
2012-2013	2498	473	206	267	71.39

**PG:**

Name of the programme (M.Com.)	Applications received	Selected	Enrolled		Pass %
			M	F	
2010- 2011	260	61	21	40	45.00
2011-2012	288	58	35	23	81.00
2012-2013	298	57	30	27	47.40

**27. Diversity of Students****B.Com**

Year	% of students from the same state	% of students from other States	% of students from abroad
2010-2011	100	0	Nil
2011-2012	99.9	0.1	Nil
2012-2013	99.92	0.08	Nil

**M. Com.**

Year	% of students from the same state	% of students from other States	% of students from abroad
2010-2011	99.09	0.00	0.91
2011-2012	99.09	0.91	0.00
2012-2013	98.99	0.00	1.01

**28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?: 02****29. Student progression**

Student progression	Against % enrolled
UG to PG	PG strength is less as compared to UG. Out of total students admitted for PG more than 50% are our UG students.
PG to M.Phil.	-
PG to Ph.D.	8 students
Ph.D. to post -Doctoral	-
<b>Employed</b>	
- Campus selection - Other than campus recruitment	Placement cell of the college provides assistance and guidance to the students for employment.
Entrepreneurship /Self-Employment	The department organizes <i>Vyapar Mela</i> , a trade fair for promoting entrepreneurship/self-employment.

**30. Details of infrastructural facilities**

- Library: Yes
- Internet facilities for staff & Students: Yes
- Class room with ICT facility: Yes
- Laboratory: Yes

**31. Number of students receiving financial assistance from college, university, government or other agencies:**

Academic Year	Total number of students
2010-11	53
2011-12	114
2012-13	164

**32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts - Guest lectures, Seminars, Soft Skills Development Workshop.**

A variety of activities are undertaken by the department for the enrichment of students and for developing the interests in the various subjects. These activities include:

- **Add-on courses**
  - A course on Tally
  - A course on *Modi* script
- **Skill Development Workshops on:**

- Accounting and Finance
- E-Tax Accounting
- Stock Trading
- Graphology
- Project report competition
- Employment guidance and interview technique programme
- Career Planning lectures, lectures on how to prepare for M.B.A. entrance examination
- Special guidance for other competitive examinations
- Professional Examinations: Guidance is informally provided to the students to appear for C.A., I.C.W.A., & CS examinations, along with the University Curriculum.
- Presentations by Students
- Quiz Competition
- Paper reading competition
- Group Discussion
- Debating and elocution competition on the subjects of current importance
- Placement and counselling

**33. Teaching methods adopted to improve student learning:**

- Use of ICT in classrooms, Multiple Choice Question Tests, Group Discussions, Presentations by students

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

- Through NCC and NSS, and Vidyarthini Manch

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

**Strengths:**

- Well qualified and experienced faculty with few members having professional qualification
- Permanent Post-Graduate recognition
- Most of the faculty members have PG recognition
- Adequate options available to the students at various levels
- Research Centre for pursuing Ph. D. in Accountancy, Banking and Finance, Business Administration, Marketing Management, Business Practices and Business Economics.
- Some members of the Department are Members of the Boards of Studies and Senate of Pune University.
- Five members have completed Ph. D. and two members have registered for Ph. D. and registration of 5 members is in process.
- The Department provides Skill Development Courses: 'Certificate Course in Computerized Accounting, Workshop on Accounting and Finance, *Modi* language, Skill Development Programme, E- Tax Accounting, Introduction to Stock Trading, introduction to Graphology.
- The Department organises industrial visits, workshops, guest lectures, seminars, exhibition and various competitions for all round development of the students.

**Weaknesses:**

- Some students are from vernacular medium and opt for Marathi as medium for examination purposes as permitted by the Pune University. This has an adverse effect on teaching, learning and the career prospects of the students.
- Placement activity at departmental level needs to be strengthened.

**Opportunities:**

- More research oriented projects
- More use of digital classroom, virtual classroom, ITC.
- More exposure to practical experience
- Placement activity on larger scale

**Challenges:**

- Meritorious students opt for professional courses like C.A., I.C.W.A., & CS examinations and focus on these examinations. Motivating them for participation in academics and co-curricular activities is a challenge.
- Genuine multifactorial limitations of the students coming from varied socio-economic background creates heterogeneity in the class and addressing the needs of all of them in the same class is a challenging task.

**Future Plans:**

- All faculty members will be Ph.D. qualified by 2020.
- E-brochure for better placement of the students.
- More tie-ups with various industries and more add-on courses in collaboration with these industries for the benefit of the students.

**Departmental Activity:**

**Academic Results**

The result of B. Com. Examination held in April, 2013 was 85 %

The result of M. Com. Examination held in May 2013 was 50 %

**New Courses**

**Workshop On Graphology (Handwriting analysis) :**

Conducted for one week, It was conducted by Dr. Rahane for one week and 31 students from T.Y.B.Com class

participated.

### Workshops and Seminars

The Department organised a One Day Seminar on 'New Companies Act, 2013' for students of T.Y.B.Com and M.Com classes. A Monograph on New Companies Act, 2013 was released at the hands of the Assistant Registrar of Companies, Dr. Amol Shinde. There were four technical sessions in the Seminar, covering various aspects of the new law and Practising Company Secretaries and Practising Chartered Accountant were invited as Resource Persons.

### Field Visits

Dr. A. V. Kamble organized a field visit of S. Y. B. Com Class, Marketing Management students to Gultekdi Market Yard – APMC

### RESEARCH INITIATIVES

- 1) Three scholars from this Research Centre in Commerce, viz. Prof. Y. R. Thorat, Prof. V. V. Tatke and Prof. V. N. Gaikwad completed their Doctoral work under the guidance of Dr. Y. R. Waghmare and were awarded the degree of Doctor of Philosophy by the University of Pune, during the year.
- 2) A research project titled 'A Study of Impact of Local Body Tax (LBT)' done by two students from T.Y.B.Com. class, viz. Neha Khandve and Amruta Gothe, under the guidance of CA Rasika P. Date won the Zonal Level Avishkar 2013 and was shortlisted for University Level Avishkar Research Project Competition.

### ACHIEVEMENTS OF STAFF

#### 1) Dr. Y. R. Waghmare (Vice-Principal and Head)

- i) Leader of the delegation constituted by The Principal, MCASC, Pune 411005 to visit Shriram College of Commerce, New Delhi
- ii) Was a **Resource Person** for following Workshops/ Seminars:

No	Theme of Workshops/ Seminars	Name of the Organising College/University
1	Workshop for preparation of SET Examination	i) Shri Shahu Mandir Mahavidyalaya, Pune; ii) Annasaheb Magar College, Hadapsar, Pune; iii) Prof. Ramkrishna More College, Akurdi, Pune.
2	Seminar on Revision of Syllabi at M.Com in the subject Advanced Accountancy.	Tuljaram Chaturchand College, Baramati
3	Seminar on Revision of Syllabi at M.Com in the subject Advanced Cost Accounting	Padmashri Vikhe Patil College, Pravaranagar, Dist. Ahmednagar
4	Workshop on Course Work for Ph. D. students	Department of Commerce and Research Centre, University of Pune, Pune

- iv) During the year, one student completed M. Phil and 3 students Ph. D. under his guidance.

#### 2) Dr. Sanjeevani. K. Rahane

- i) Completed M. A. Psychology with Distinction.
- ii) Recognised as a Research Guide by the University of Pune in the Faculty of Management.
- iii) Invited as Judge for M. Pulse- 'Rolling Camera Action Event' by M.B.A. Department of Modern College of Engineering, Pune 411005.
- iv) Was a Resource Person for a Workshop on 'The Development of Writing Skills for Research Paper' organised by Modern College, Ganeshkhind, Pune.

#### 3) Dr. Ashok V. Kamble

- i) Delivered speech on the subject 'Online Marketing' in the Seminar organized by T.C. College Baramati on 'Recent Trends in Marketing in India'.
- ii) Delivered speech on the subject 'Foreign Direct Investment' in the lecture series for Post Graduate students organized by New Arts, Commerce and Science college, Ahmednagar.
- iii) Re-appointed as a member of Audit Committee constituted by University of Pune.
- iv) Active Participation in the Senate Meetings of University of Pune on the various issues of teachers and students.
- v) Nominated as member of executive committee of Maharashtra Federation of University and College Teachers Organisation (MFUCTO).
- vi) Member of team constituted by The Principal, MCASC, Pune 411005 to visit Shriram College of Commerce and Economics, New Delhi.

#### 4) Prof. Swati J. Ahiwale

- i) Attended Seminar on Research Methodology at Poona College, Camp, Pune.

#### 5) Prof. Vijay N. Gaikwad

- i) Worked as Coordinator for One Day Seminar on 'New Companies Act, 2013'
- ii) Member of team constituted by The Principal, MCASC, Pune 411005 to visit Shriram College of Commerce and Economics, New Delhi

#### 6) CA Rasika P. Date

- i) Worked as Avishkar Coordinator.
- ii) Worked as Coordinator for One Day Seminar on 'New Companies Act, 2013'.
- iii) Worked as Member of the Team of Authors who contributed to the publication of 'Monograph on New Companies Act, 2013'.
- iv) Prepared the conceptual framework and guidelines for conducting Practicals in Financial Accounting at F.Y.B.Com in the college.

#### 7) Prof R Y Deshpande

1. During last year he was invited to deliver talk/lectures on IPR/cyber law/contracts by
  - (a) M.S. University, Baroda - Protection of IPR- Patent or Persih.
  - (b) C DAC Hyderabad- Overview of IPR.
  - (c) C DAC Chennai- Dos and Dents - Cyber law-

- (d) NIT Silhar and IIT -Gowahati – IPR.  
(g) MIT College of Engineering- Patents.
2. Invited as a judge for the competition on 'Drafting of Contracts' by ILS Law college.
  3. Attended international conference on computer implemented inventions jointly organised by European office and DIETY, Government of India. Also attended seminar on Ne Comanies Act organized by Modern college.
  4. Has recd approval from Department of electronics and information technology, Govt of India, for the project for ' establishment of Centre for Excellence in IP at CDAC Pune and Deity, Delhi. "(not sure, if this is relevant for college or not).
- 8) Prof. Rupesh D. Bansode**
- i) Presented a paper on 'FDI' in national seminar at Dr. Babasaheb Ambedkar college, Aundh Pune.
  - ii) Attended Seminar on Research Methodology at Poona College, Camp, Pune.
  - iii) Presented Paper on E-advertiment at University of Pune organized by DCRC.
  - iv) Worked as Paper setter in Pune University.
  - v) Completed Refresher Course organized by Academic Staff College, University of Pune at B.M.C.C.
  - vi) Worked as a member of Census committee under Pune Municipal Corporation.
  - vii) Attended Seminar on Tally ERP 9 organised by B.M.C.C
- 9) Prof. Shraddha R. Hirwe**
- i) Worked as Member of the Team of Authors who contributed to the publication of 'Monograph on New Companies Act, 2013' by the Department of Commerce.
  - ii) Worked in organising lecture series for the students of T.Y. B.Com.
  - iii) Read and recorded two short stories of Sudha Murthy (translated by Leena Sohoni) at EMRC.
  - iv) Wrote an article in Marathi "Mazi Jadan Ghadan" for Department of Marathi.
  - v) Wrote a poem in Marathi for magazine in Marathi.
- 10) Prof. Moreshwar Y. Meeshi**
- i) Co-ordinator of two batches of Tally course for Commerce students.
  - ii) Attended Seminar on "Computerised Accounting" at BMCC, PUNE
  - iii) Attended workshop on "Advanced Research in Social Sciences" , organized by BARTI , PUNE
- 11) Prof. Rahul D. Jadhav**
- i) Worked as a Coordinator of the workshop on "Soft skills Development Programme" Organized from 9<sup>th</sup> December 2013 to 24<sup>th</sup> December 2013.
  - ii) Attended seminar on "Computerised Accounting" at Sangamner.
  - iii) Attended seminar on "Computerised Accounting" at BMCC, PUNE.

## Department of Commerce (Self Financed)

1. **Name of the department:** Department of Commerce (Self Financed)
2. **Year of Establishment:** 2007
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):**  
B.Com.  
M.Com.  
Bachelor of Business Administration (B.B.A.)  
Bachelor of Computer Application (B.C.A.)  
Master of Computer Application (Commerce) M.C.A.
4. **Names of Interdisciplinary courses and the departments/units involved:** Nil
5. **Annual/ semester/choice based credit system (programme wise):**  
B.Com.: Annual Pattern  
M.Com.: Semester Pattern  
Bachelor of Business Administration (B.B.A.): Semester Pattern  
Bachelor of Computer Application (B.C.A.): Semester Pattern  
Master of Computer Application (Commerce) M.C.A.: Semester Pattern.
6. **Participation of the department in the courses offered by other Departments:** Nil
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil
8. **Details of courses / programmes discontinued (if any) with reasons:** Nil
9. **Number of Teaching posts:**

	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Assistant Professors	--	31

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

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

Prof. M.D.Waghmare	M.Com., M.Phil.	Head of the Department and Vice Principal	Commerce	16	-
Prof. Philomena Rudolf Fernandes	MA, B.Ed., NET ,Pursuing Ph.D.	Assistant Professor	Economics	13	-
Prof. Sangeeta Mavale	M Com, MPM	Assistant Professor	Commerce	13	-
Prof. Mina Gawande	MSc, M.Phil. (Stats)	Assistant Professor	Commerce	9	-
Prof. Swapna Tekale	Msc. , MCA	Assistant Professor	Computer Applications	9	-
Prof. Pravin Salunke	M Com, GDCA, SET, CA-IPCC	Assistant Professor	Commerce	8	-
Prof. Vaishali Doshi	M Com, CS-Inter, NET	Assistant Professor	Commerce	8	-
Prof. Shruti Pawar	MCS	Assistant Professor	Computer Science	8	-
Prof. Jasmeet Jangira-Patil	MBA - Marketing	Assistant Professor	Marketing	7	-
Prof. Amol Shinde	MBA – Finance, NET Qualified in June 2011, SAP – ERP (FI/CO), Pursuing PhD in Financial Management.	Assistant Professor	Finance	7	-
Prof. Bhoomika Parmar	M Com	Assistant Professor	Commerce	7	-
Prof. Sonali Raut	MCA	Assistant Professor	Computer Applications	7	-
Prof. Lawly Das	MBA – HRM, M.A – English, Certified Corporate Trainer from British Connections, Pune	Assistant Professor	HRM	6	-
Prof. Snehal Mirajkar	MBA – Finance & Marketing	Assistant Professor	Finance & Marketing	6	-
Prof. Vaibhav Thakare	MCA	Assistant Professor	Computer Applications	6	-
Prof. Gauri Khire	MCA	Assistant Professor	Computer Applications	6	-
Prof. Pradnya Khalane	MCA, MSc(maths) , NET(CS)	Assistant Professor	Computer Applications	6	-
Prof. Shreya Vaidya	M Com, CWA-Inter, SET	Assistant Professor	Commerce	5	-
Prof. Vanita Patil	MCA	Assistant Professor	Computer Applications	5	-
Prof. Prashant Patil	MCA	Assistant Professor	Computer Applications	5	-
Prof. Yuvraj Shelke	MA, M Phil pursuing	Assistant Professor	English	4	-
Prof. Maitreyee Phadnis	M Com, DTL Pursuing M.Phil	Assistant Professor	Commerce	4	-
Prof. Namrata Gadgil	MCA	Assistant Professor	Computer Applications	4	-
Prof. Urmila Karale	M.A English, MBA – Finance, NET Qualified in June 2012	Assistant Professor	Finance	3	-
Prof. Niketan Shet	M Com, MBA, NET-JRF	Assistant Professor	Commerce	3	-
Prof. Parag Fulzele	MCA	Assistant Professor	Computer Applications	3	-
Prof. Neha Deshpande	MBA – Marketing, NET Qualified in June 2013	Assistant Professor	Marketing	2	-
Prof. Aditi Patil	B.C.S., M.C.A.	Assistant Professor	Computer Applications	5	-
Prof. Pushpala Gorade	B.C.S., M.C.A.	Assistant Professor	Computer Applications	4	-

#### 11. List of Senior Visiting Faculty:

- Mr. Pradeep Thite, Chartered Accountant, Pune.
- Adv.AjayWagh, Civil Lawyer, Shivajinagar Court, Pune.
- Adv.Vaibhav Salunke, Cyber Law Lawyer, Pune.
- Mr. Sumit Shah, Chartered Accountant, Pune.

#### 12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

B.Com.: 5%  
M.Com.: 5%  
Bachelor of Business Administration (B.B.A.): Nil  
Bachelor of Computer Application (B.C.A.) : Nil  
Master of Computer Application (Commerce) M.C.A.: 30%

#### 13. Student -Teacher Ratio (programme wise):

B.Com.: 17:1  
M.Com.: 15:1  
Bachelor of Business Administration (B.B.A.): 13:1  
Bachelor of Computer Application (B.C.A.): 13:1  
Master of Computer Application (Commerce) M.C.A.: 14:1

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

Three posts of Faculty Clerk, in the college office are sanctioned and filled.

Technical	Sanctioned	Filled
Class 3	2	2
Class 4	2	2

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

Qualification	PG	M.Phil.	Ph.D.	D.Litt.	D.Sc.
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No. of Staff	33	2	-	-	-
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16. Number of faculty with on-going projects from a) National b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST – FIST, UGC, DBT, ICSSR, etc. and total grants received: Nil

18. Research Centre /facility recognized by the University:

Few staff members are involved in research activities. The department intends to apply for the Research Centre in the near future.

19. Publications:

Name of the faculty	Papers			Books			Total publications	Total citations	h-index
	International	National	Presented in conference	International	National	Book chapter			
Prof. Lawly Das	2	3	-	-	-	-	5	-	-
Prof. Amol Shinde	1	1	-	-	-	-	2	2	1
Prof. Philomena R. Fernandes	-	-	3	-	-	-	3	-	-
Prof. Niketan Shet	-	-	3	-	-	-	3	-	-
Prof. Vaishali Doshi	-	-	1	-	-	-	1	-	-
Prof. Sangeeta Mavale	-	-	-	-	1	-	1	-	-
Prof. Vaibhav Thakare	1	-	-	-	-	-	1	-	-
Prof. Gauri Khire	1	-	-	-	1	-	2	-	-
Prof. Namrata Gadgil	-	1	-	-	3	-	4	-	-

• Books with ISBN/ISSN numbers with details of publishers

Author	Name of Books	ISBN
Prof. Gauri Khire	Programming in Visual Basics.	978-93-5158-198-7
Prof. Namrata Gadgil	Computer Networking and cyber security	978-93-5158-318-9
Prof. Namrata Gadgil	Java Programming	978-93-5158-323-3
Prof. Namrata Gadgil	Advanced Web Technology	978-93-5158-479-7

20. Areas of consultancy and income generated: Nil

21. Faculty as members in

- National committees
  - International Committees
  - Editorial Boards
- Nil

22. Student projects

a) Percentage of students who have done in house projects including inter departmental/programme:

B.B.A.: 100%

B.C.A.: 100%

M.Com.: 100%

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: M.C.A.: 100%

23. Awards / Recognitions received by faculty and students:

Sports achievements

Sr. No.	Name	Game	Level	Recognition	Year
1.	Vaibhav Balwadkar	Baseball	Inter Collegiate	Bronze	2012-13
2.	Ajit Pawar	Khokho	Inter Collegiate	Bronze	2012-13
3.	Vaibhav Balwadkar	Softball	State	Participated	2012-13

Name of the Faculty: Prof. Sangeeta Mavale

- Mamta Award for Powada.
- Ranragini Award for Powada.

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

- Mr. D. S. Kulkarni, Chairman, DSK Enterprises.
- Miss Kalpana Madhyani, Corporate Trainer.
- Mrs. Anu Sethi, Training Manager, Volkswagen.
- Mr. Amit Jadhav, Director of Modelcam Technologies Pvt. Ltd.
- Mr. Vilas Jagtap, CEO, Knowledge Planet.
- Dr. Sharayu Bhakare, Assistant Professor, Symbiosis College of Arts and Commerce, Pune.
- Dr. Rashmi Hebalkar, Member – Business Ethics Forum.
- Mrs. Yamini Mathur, Corporate Trainer.
- Mr. Mohan Palesha, Chairman – District Rotary Foundation.
- Mr. Avi Raj from IIM K, Mentor at PIBM, Pune.
- Mr. David Hangsing from IIM B, Mentor at PIBM, Pune.
- Mr. Samir Mondal, H.O.D – Academics of PIBM, Pune.

- Mr. Nihal Khan, Regional Manager - ICFL, ICICI Securities Ltd.
- Mr. Amit Kadam, Regional Marketing Manager - ROM & MPCG, ICICI Securities Ltd.
- Mr. Deepak Bodhani, Managing Partner at Digitech Engineers.
- Mr. Mahendra Patil, Head – HR, Whirlpool.
- Mr. Ravindra Singh, CFO, LOOP Mobile.
- Mr. Sunil Kumar Singh, AVP, Channel & Business Development, PIAGGIO Vehicles.
- Mrs. Anne Anish, Kensho Image Consultancy.
- Dr. P. V. Sathe, Coordinator, Research Centre, BMCC, Pune.
- Dr. N. M. Wechalekar, Director, IndSearch.
- Dr. N. M. Nare, Principal, T C College.
- Adv. Ajay Wagh, Advocate.
- CA. Sumit Shah, Patner, Vakhariya Associates.
- Dr. Sanjay Kaptan, HoD, DCRC, Pune University
- Dr.Y.M.Thorat Vice Principal Jedhe College
- Dr.Mukund Mahajan –Retired Associate Prof.in Economics.
- Mr. Rajendra Rakhecha, CEO, Earthsoft Consultant
- Prof. Dr. Ranjit Patil, Vice Principal, DY Patil College.
- Prof. Shivendu Bhushan, HoD BCA, Indira College of Commerce and Science.
- Mrs. Shakila S., HOD, Computer Science, Abeda Inamdar Senior College.
- Dr. Bhooshan Kelkar, IT Expert.
- Mr. Amit Jadhav, Entrepreneur.
- Mr. Bharat Jagtap, Sr. S/w Associate, Bitcode Technologies.
- Mr. Vilas Jagtap, Corporate trainer.
- Mrs. Yamini Mathur, Corporate Trainer.

#### 25. Seminars/ Conferences/Workshops organized & the source of funding:

- National: 01 (Funded by Pune University under QIP)
- State: 05 (Funded by Pune University under QIP)
- District: 02 (Funded by Pune University under QIP)

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

##### B.B.A.

Name of the Course/ programme	Application received	Selected	Enrolled		Pass %
			M	F	
2011-2012	150	71	47	24	85.5
2012-2013	210	105	69	36	82.8

##### B.Com.

Name of the course/ Programme	Applications received	Selected	Enrolled		Pass %
			M	F	
2010-2011	5	5	3	2	40.00
2011-2012	150	130	75	65	72.00
2012-2013	400	358	220	138	63.55

##### M.Com.

Name of the course/ Programme (M.Com)	Applications received	Selected	Enrolled		Pass %
			M	F	
2012-2013	80	62	35	25	72.00

##### B.C.A.

Name of the course/ Programme	Applications received	Selected	Enrolled		Pass %
			M	F	
2011-2012	142	117	67	50	66.67
2012-2013	255	214	134	80	61.74

##### M.C.A.

Name of the course/ Programme (M.C.A.)	Applications received	Selected	Enrolled		Pass %
			M	F	
2010-2011	58	58	26	32	92.00
2011-2012	57	57	36	26	96.00
2012-2013	44	44	29	15	84.00

#### 27. Diversity of Students:

##### B.B.A.

Year	% of students from the same state	% of students from other States	% of students from abroad
2011-2012	94.4	5.6	Nil
2012-2013	90	10	Nil

##### B.Com.

Year	% of students from the same state	% of students from other States	% of students from abroad
2012-2013	96	4	Nil

**M.Com.**

Year	% of students from the same state	% of students from other States	% of students from abroad
2012-2013	100	Nil	Nil

**BCA**

Year	% of students from the same state	% of students from other States	% of students from abroad
2011-2012	85	10	5
2012-2013	85	10	5

**MCA**

Year	% of students from the same state	% of students from other States	% of students from abroad
2010-2011	100	Nil	Nil
2011-2012	100	Nil	Nil
2012-2013	100	Nil	Nil

**28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.?:**

Defence Service: 2%

**29. Student progression**

Student progression	BBA	B. Com.	BCA	M.Com.	MCA
UG to PG	80%	60%	89%	-	-
PG to M.Phil.	-	5%	-	-	-
PG to Ph.D.	-	-	-	-	-
Ph.D. to Post-Doctoral	-	-	-	-	-
<b>Employed</b>					
• Campus selection	15%	5%	4%	10%	58%
• Other than campus Recruitment				5%	40%
Entrepreneurship/Self-employment	5%	25%	Nil	5%	2%

**30. Details of Infrastructural facilities:**

- Library- Yes
- Internet facilities for Staff & Students: 4 Mbps optic fibre leased line)
- Class rooms with ICT facility: 100%
- Laboratories: Yes

Instruments	Quantity		
	Computer Lab I	Computer Lab II	Computer Lab III
Computer	31	26	43
LCD Projector	1	1	1
UPS	1	1	1
Server	1	1	-
Dot Matrix Printer	3	3	6
Laserjet Printer	-	-	2
A.C.	2	2	-
CCTV cameras	1	1	-
Intercom	-	1	1
Laptop	-	-	3

**31. Number of students receiving financial assistance from college, University, government or other agencies:**

- Department level fee concession is given to selected financially weak students.
- In view of huge fees amount, instalment payment facility is also provided to the needy students.

No. of BBA Students Availing Scholarship

YEAR	Number of students
2011 - 12	09
2012 - 13	09

- Scholarship from Social Welfare department is awarded to 42% students as prescribed by the government norms.

**B.C.A.**

YEAR	Total Number of students
2011-12	31
2012-13	27

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

Commerce department organized lecture series at local level under the banner 'Grahak teerth vyakyanmala" where eminent speakers such as ACP Barge on Cyber Security, Renu Gavaskar, a social worker, Dr. Milind Bhoi were invited to motivate students for various aspects of learning and skill developments.

- In house Lecture series under soft skill on Direct Taxes - lecture by CA Sumit Shah for M.Com. students

#### Activities of M.C.A.

- Poster Competition on the topic of Cyber Security
- Informative presentation (lecture) on Stock Exchange on 7<sup>th</sup> September 2012
- Past students support in placement of current batch students in the reputed IT Industries and in offering training programmes.
- Project guidance from alumni to the students in the form of lectures, project guidance and by conducting counseling sessions.
- Mock Interviews were conducted by the past students who are working in reputed IT industries
- Seminar on Communication Skills
- Extra lectures on PHP and .NET. The students collected information about the expectations of the IT industries (Skill and Knowledge wise) and it was found that the important area of knowledge are not covered in the present M.C.A. (Commerce) syllabus. The college took steps to organize separate lectures to impart knowledge regarding these areas (PHP and .NET)

#### 33. Teaching methods adopted to improve student learning:

- Chalk & talk
- PowerPoint presentations
- Topic wise group discussion
- Audio-visual presentations
- Student mentoring & counselling sessions
- Practicals

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

- Students of BBA along with the BCA students have been organizing the 'Social Week' since December 2013. The core motive behind observing the 'Social Week' is to inculcate a sense of social responsibility amongst our students.
- Several NGOs like 'Make a Wish Foundation', 'Sanjivani Oldage Home', 'Punurutthan Sarmsamtam Gurukulum Sanstha', 'CRY', 'Tell Us' and 'Jankalyan Netrapedhi' visited our campus and interacted with the students. They motivated students to get involved in various social activities like helping the poor, old people, help in abolishing the system of child labour, eye donation, AIDS awareness, blood donation camp, donations of clothes, books, shoes and toys, etc.
- Various NGO's like Amhi Yuva, Eklavya Nyasa, Sahyog Trust, Netrajyoti Pratishthan, Drishti Group as well as eminent speakers like Shri. Vishwambhar Chaudhari, Shri.Milind Ekbote, Smt. Renutai Gawaskar, Adv. Asim Sarode, Dr.S.K.Lodha, Dr.Satish Desai, Shri.Bhanupratap Barge visited our campus to interact with the students and to motivate them in getting involved in various social activities like help the poor, save animals, empower women , Young Movement against drugs and alcohol, Social Networking , clothes and book donations, etc.
- Students of department of B Com actively participate in "Social Week" which is organized every year in the month of December. In this week students pay social visit to hospitals, Orphanages, Blood donation camps are organized.
- Our students also participate in "Road safety Week" in the month of January as directed by RTO. Students are actively involved in cleanliness drive .Street plays are organized creating awareness about various social issues.
- In order to sensitize the students towards martyr of freedom struggle various lectures were organized.

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

##### Strength:

- BBA, BCA and B.Com. programs provides the basic platform for the students. These courses aim at acquiring the skills, which are highly demanded in the industry.
- Students are trained according to the demands of the industry and economy. Teachers are young, dynamic and well qualified and have registered for PhD. They are also actively involved in syllabus framing, research activities, developing teaching techniques and organizing various curricular and co-curricular activities
- By inviting experts from various fields like IT, finance, marketing, HR, etc the department provides professional touch to the courses offered.
- Numerous activities are conducted to develop & improve professional skills through presentations, group discussions, role-plays, etc.
- A system of Class Advisors is used to implement Mentorship.
- For overall development of students we encourage them to participate as well as organise co-curricular & sports activities. Our students have achieved exemplary results in various sports events at zonal, state & National level.
- Youth week and 'Aarohan - Exploring Limitless Talent' (annual college fest) is celebrated to encourage engagement and participation of youth, essential to achieve sustainable human development.
- Department identify academically weak students & holds remedial classes.
- Student participation in NSS & NCC provides opportunity in serving the social and National Goal of education.
- To instil the sense of social responsibility amongst students, we have been organising Social Week since 2013. This motivates students to get involved in various social activities like helping the poor and old people, alleviating the system of child labour, eye donation awareness, AIDS awareness, blood donation camp, donations of clothes, books, shoes and toys, women empowerment, Environment Awareness, etc.
- Placement cell organises various skill based training programs on interview, GD, Image building, aptitude skill for the students to make them employable.
- Placement cell is well connected with different colleges to participate in pool campus placements as also with different companies engaged in campus recruitment. They are also well connected with the students in informing them about various placement activities through the social networking sites.

- The management is also equally supportive about initiating IT enabled classrooms, computer laboratory and other infrastructure for the students.

**Weakness:**

- Few students joining this course come from vernacular medium and a few from those countries where English is not their native language. BBA, BCA and MCA being professional courses, the medium of instructions is English. Therefore, these students find it difficult to understand the lectures and deliver the same during the exams.
- The students need to get practical exposure with reference to actual working of the industrial and commercial organizations.
- Placement activity at departmental level needs to be strengthened.

**Opportunities:**

- Since commerce is a booming sector, lot of employment opportunities are available to the students.
- More practical oriented projects and employment-oriented programmes can be initiated with the support of the management.

**Challenges:**

- Motivating and enhancing the students' merit is a challenge when the students seeking admission have lower scores at HSC.
- To mould the students as per the demands of the economy/society is the most challenging factor. Students who take admission are from traditional background, motivating them to take up professional course.
- To improve communication skills of the students, particularly those coming from vernacular background.
- To make international students adapt to local academic environment.
- Genuine multifactorial limitations of the students coming from varied socio-economic background creates heterogeneity in the class and addressing the needs of all of them in the same class is a challenging task.

**Future plans:**

- Department will associate with more experts from industrial and commercial sectors to enhance the employability of the students.
- Department will provide maximum lab hours for enhancing practical knowledgebase of student.
- To develop an effective network with industrial and commercial sectors in order to facilitate better training and placement activities.

**Departmental activities:**

Sr. No.	Date	Activity
1.	June,2012	Induction Programme for FYBCom
2.	30 <sup>th</sup> June,2012	Doctors Day celebration by visiting DR. H. V. Sardesai
3.	August, 2012	Gurupournima Celebration
4.	17 <sup>th</sup> August, 2012	Inauguration of Commerce Association by Prof. Dr. CA. Y. R. Waghmare
5.	3 <sup>rd</sup> September,2012	Demonstration of Preparation of Eco-friendly Ganesh Idols By Prof. Swati Pathak
6.	6 <sup>th</sup> September, 2012	Teacher's Day Celebration
7.	29 <sup>th</sup> November to 7 <sup>th</sup> December 2012	Mid-term examination
8.	12 <sup>th</sup> December, 2012	Guest lecture on Practical Approach to banking by Ms. Sandhya Deshpande
9.	29 <sup>th</sup> December, 2012	Guest lecture on Social Media in Advertising by Mr. Ankur Shrivastava
10.	7 <sup>th</sup> January, 2013	Guest Lecture on EVS By Ms. Yogita Chaoudhary
11.	8 <sup>th</sup> January, 2013	Guest Lecture on Resume Writing By Prof. Bhushan Kelkar
12.	9 <sup>th</sup> January, 2013	Guest Lecture on Cost Audit by Dr. Sanjay Patankar How to write law paper by of Prof. Prakash Chaudhary
13.	30 <sup>th</sup> January, 2013	Commerce Day Celebration
14.	March, April,2013	University Examinations

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## Department of Computer Science

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1. **Name of the department:** Computer Science

2. **Year of Establishment:** 1986

3. **Names of Programmes / Courses offered (UG, PG, M.Phil, Ph.D, Integrated Masters; Integrated Ph.D, etc.):**

UG Courses: B.Sc. (Computer Science)

PG Courses: M.Sc. Computer Science

4. **Names of Interdisciplinary courses and the departments/units innvolved:**

Data Mining: Department of Statistics

DIP, Numerical Methods, Discrete Mathematics, Operational Research, Design and Analysis of Algorithm: Department of Mathematics

Technical English : Department of English

Fundamentals of Computers, Use of Computers: Department of Biotechnology

Computer Networks, Advanced Networking, Embedded Systems: Department of Electronic Science  
Computer related subjects : M.C.A. (Commerce) / M.Com. (e-Commerce)

**5. Annual/ semester/choice based credit system (programme wise):**

UG: F.Y. : Annual Pattern

S.Y. & T.Y. : Semester Pattern

PG: Semester Pattern with Choice Based Credit System

**6. Participation of the department in the courses offered by other Departments:**

Sr. No.	Name of the staff member	Department	Subject Name	Year
1	Prof. SonaliVetal	Biotechnology	Fundamentals of Computer	2010-11 2011-12
2	Prof. SupriyaWable	Biotechnology	Use of Computers	2012-13

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

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

**9. Number of Teaching posts:**

	Sanctioned	Filled
Professors	--	--
Associate Professors	--	--
Asst. Professors	30	23

**10. 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
1	Prof. Shamkant S. Deshmukh	M.C.S.	Head	Computer Science	21
2	Prof. Mrs. Manisha S. Suryawanshi	M.C.S., M.Phil	Asst. Professor	Computer Science	21
3	Prof. Mrs. Sangeeta S. Raut	M.Sc. ADCSSA	Asst. Professor	Electronics	19
4	Prof. Mrs. Madhuri S. Ghanekar	B.Sc. Applied, M.C.M.	Asst. Professor	Computer Management	17
5	Prof. Abhijit V. Sathe	M.C.S.	Asst. Professor	Computer Science with Specialization in Scientific Computing	17
6	Prof. Mrs. Shilpa R. Dange	M.C.A., M.Phil. Ph. D. persuing	Asst. Professor	Computer Science	14
7	Prof. Mrs. Anjali S. Sardesai	M.C.S., SET, NET	Asst. Professor	Computer Science	14
8	Prof. Mrs. Vaishali C. Bhoite	M.Sc., SET	Asst. Professor	Computer Science	14
9	Dr. Mrs. Kalyani Salla	M.C.S., M. Phil. Ph. D.	Asst. Professor	Computer Science	12
10	Prof. Mrs. Shweta Khadse	M.Sc., NET	Asst. Professor	Computer Science	14
11	Prof. Sanjay Mahajan	M.Sc.	Asst. Professor	Computer Science	11
12	Prof. Mrs. Sheetal Patil	M.Sc.(Comp. Sci.), SET	Asst. Professor	Computer Science	7
13	Prof. Mrs. Sonali Vetal	M.Sc. (Comp. Sci)	Asst. Professor	Computer Science	6
14	Prof. Mrs. Supriya Shinde	M.C.A.	Asst. Professor	Computer Science	5
15	Prof. Mrs. Jigisha Pawar	M.Sc. (Comp. Sci.), SET	Asst. Professor	Computer Science	4
16	Prof. Mrs. Sonali Deshmukh	M.C.S., NET	Asst. Professor	Computer Science	9
17	Prof. Kiran Kulkarni	M.C.A.	Asst. Professor	Computer Science	6
18	Prof. Trupti Gohad	M.Sc. (Tech)	Asst. Professor	Industrial Maths with Computer Applications	4
19	Prof. Sameer Badmanji	M.C.M.	Asst. Professor		18
20	Prof. Sanjay Daf	M.Sc. (Elect) PGDCS	Asst. Professor	Electronics	20
21	Prof. Asha Sagar	M.C.M. M.C.A	Asst. Professor	Computer Applications	8
22	Prof. SmitaAchalkar	MCM, MCA	Asst. Professor	Computer Application	7

**11. List of Senior Visiting Faculty:**

- Joshi Ravindra
- Girish Govardhan
- Hrishikesh Joshi
- Renuka Zope
- Mrs. Kalyani Attarde
- Vishal Pai Vernakar
- Anjali Bafna
- Joshi Ravindra
- Himmat Thombre
- Sonali Kularni
- Neeta Natekar
- Girinath Bharade
- Nikita Ananpara /Lohar
- Jaywant Desale
- Ms. Anupama Spencer
- Himmat Thombre

**12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:**

Programme	Percentage of lectures delivered by temporary faculty	Percentage of practicals delivered by temporary faculty
B.Sc. (Comp. Sci.)	3%	NIL
M.Sc. (Comp. Sci.)	20%	NIL
M.C.A.	20%	NIL

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

UG : 18:1; PG : 20:1

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

Two posts of Faculty Clerk, in the college office are sanctioned and filled.

Technical	Sanctioned	Filled
Class 3 (lab assistant, lab attendant, System Engineers, Laboratory Instructors)	14	14
Class 4	2	2

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

Qualification	PG	M.Phil.	Ph.D.	D.Litt.	D.Sc.
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No. of Staff	22	03	-	-	-
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16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST – FIST, UGC, DBT, ICSSR, etc. and total grants received: Nil

18. Research Centre /facility recognized by the University:

The staff members are actively involved in the research activities. The process of starting recognized Post Graduate Research Centre by Pune University, Pune has been initiated.

19. Publications:

Name of the faculty	Papers			Books			Total publications	Total impact factor	Total citations	h-index
	International	National	Presented in Conference	International	National	Book chapter				
Prof. Shilpa Pund	2	-	1	-	-	-	3	2.157	6	2
Prof. Anjali Sardesai	3	-	5	1	-	5	6	5.173	6	1
Dr. Kalyani Salla	2	-	3	-	1	-	5	4.089	3	1
Prof. Madhuri Ghanekar	-	-	2	-	-	-	2	-	-	-

Books published:

Name of Staff	Publisher Name	Book Name
Prof. S. S. Deshmukh	Member Editorial Board	'Dnyanmay' Research Journal ISSN 2395-6898
	Pune University	S.Y.B.Sc. Practical Workbook
Prof. Madhuri Ghanekar	Pune University	S.Y.B.Sc. Practical Workbook
		T.Y.B.Sc. Practical Workbook
Prof. A.V. Sathe	Pune University	S.Y.B.Sc. Practical Workbook
Prof. Sangeeta Raut	Pune University	T.Y.B.Sc. Practical Workbook
		T.Y.B.Sc. Practical Workbook
Prof. Vaishali Bhoite	Pune University	S.Y.B.Sc. Practical Workbook
Prof. Shilpa Dange	Pune University	S.Y.B.Sc. Practical Workbook
	Editor	'Environment Observer' ISSN 2320-
Prof. Anjali Sardesai	Vision Publication	Soft Computing, 2012; ISBN 9789350161470
		Theory of Computer Science
		Compiler Construction,
		Operating System Concepts,
		Theory of Computer Science, 2010
		Compiler Construction, 2010
Pune University	T.Y.B.Sc. Practical Workbook	

20. Areas of consultancy and income generated:

Non-remunerative consultancy: Lab development, installation of application, networking, laboratory set-up

21. Faculty as members in

a) National committees: NIL

b) International Committees: NIL

c) Editorial Boards:

1. Prof. S. S. Deshmukh

- Pune International Center (PIC)

2. Prof. Anjali Sardesai

- Worked as Editor for publication of Environment Observer, Dec' 2013, ISSN 2320-5997 Vol 17, Proceeding of the National Conference on Hazardous e-Waste Management

22. Student projects

a) Percentage of students who have done in house projects including inter departmental/programme:

Academic year	MSc	MCA
2012-13	6%	1%
2011-12	9%	2%
2010-11	8%	10%

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies:

Academic year	MSc	MCA
2012-13	94%	99%
2011-12	91%	98%
2010-11	92%	90%

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

- Prof. Mrs. Madhuri Ghanekar presented a research paper entitled 'Management of e-waste: A case study of Pune' at the National Conference on Hazardous E-Waste Management at Modern College in Dec'13 and also received '2<sup>nd</sup> Best Paper Award'.
- Prof. Mrs. Anjali Sardesai presented a research paper entitled 'Initial screening of gynecological diseases in a patient, experts knowledgebase and fuzzy set theory: A case study in India' at the 2<sup>nd</sup> World Conference on Soft computing, Baku, in Dec' 2012. Paper received 'Best Paper Award'.
- Prof. Kalyani Sambhoo, Sanjay Kadam, Ashok Deshpande, 2011, 'Fuzzy Logic in EIA', National Conference on Soft Computing. Poster Received Cash Prize.
- Prof. Mrs. Kalyani Salla presented a research paper entitled 'Efficacy of selected soft computing techniques for ranking of hazardous industrial installation' at the 2<sup>nd</sup> World Conference on Soft Computing, Baku in Dec' 2012. Paper received 'Certificate of Merit'.

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

- Dr. Ashok Deshpande, BISC, University of California, Berkeley, USA
- Dr. Pawan Lingras, Saint Mary's University, Halifax, Canada
- Dr. S. R. Chaudhari, Shivaji University, Kolhapur.
- Mr. R.S. Deodhar, Department of Applied Mathematics, Defence Institute of Advanced Technology, Pune
- Dr.Sanjay Kadam, Senior Scientices, C-DAC,Pune
- Mr.Atul Kahate ,Sr.Consultant,Oracle Financial Ltd
- Prof.A.E.Lagad, AhmedNagarCollege,Nagar
- Dr. Jyoti Yadav, Dept. of Computer Science, Pune University, Pune
- Prof. Anjali Pendse, SKNCOE, Pune

**25. Seminars/ Conferences/Workshops organized & the source of funding:**

- National: 01 (funded by Pune University under QIP)
- International: 01 (funded by Pune University under QIP)
- State: 02 (funded by Pune University under QIP and Word Press)

**26. Student profile programme/course wise:****Under Graduate (B.Sc. Computer Science)**

Name of the Course/programme	Application received	Selected	Enrolled		Pass %
			M	F	
2010-2011	1079	176	79	97	75.38
2011-2012	1890	184	82	102	60.15
2012-2013	943	141	65	76	58.77

**Post Graduate (M.Sc. Computer Science)**

Name of the Course/programme	Application received	Selected	Enrolled		Pass %
			M	F	
2010-2011	2061	104	66	38	82.28
2011-2012	2200	95	64	31	91.04
2012-2013	1207	93	66	27	78.57

**Post Graduate (M.C.A. Science)**

Name of the Course/programme	Application received	Selected	Enrolled		Pass %
			M	F	
2010-2011	421	71	40	31	95.16
2011-2012	780	76	44	32	98.00
2012-2013	630	66	30	36	91.66

**27. Diversity of Students:****Under Graduate (B.Sc. Computer Science)**

Name of the Course	% of students from the same state	% of students from other states	% of students from abroad
2010-2011	100	-	-
2011-2012	100	-	-
2012-2013	100	-	-

**Post Graduate M.Sc. Computer Science**

Name of the course	% of students from the same state	% of students from other states	% of students from abroad
2010-2011	100	-	-
2011-2012	100	-	-
2012-2013	100	-	-

**Post Graduate M.C.A.**

Name of the Course - M.C.A.	%of students from the same state	% of students from other states	% of students from abroad
2010-2011	100	-	-

2011-2012	100	-	-
2012-2013	100	-	-

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?: Vijaya Kumbhar, Rekha Maliyalli,

29. Student progression

Student progression	Against % enrolled
UG to PG	80%
PG to M.Phil	03
PG to Ph.D	03
Ph.D to Post-Doctoral	Nil
<b>Employed</b>	
• Campus selection	4%
• Other than campus Recruitment	5%
<b>Entrepreneurship/Self-employment</b>	5%

30. Details of Infrastructural facilities:

- Library-** Separate library is available for each course in the department.  
B.Sc.( Computer Science) : 1942  
M.Sc. (Computer Science) :1633  
M.C.A. :657
- Internet facilities for Staff & Students:**
  - 4 Mbps separate leased line available for students and teachers.
  - Student's can access internet from each and every PC in laboratory.
- Class rooms with ICT facility:** 100%
  - Two digital classrooms are available for the students
  - Each classroom contains projector and internet facility
- Laboratories:** 100%
  - Separate laboratories are available for B.Sc. Computer Science, M.Sc. Computer Science and M.C.A. (Science Faculty)
  - Following are the details of the computers available in all laboratories:

Sr. No.	Hardware Configuration	QTY	Sr. No.	Hardware Configuration	QTY
1	PIV 2.53 C2D DG 33 M/B 1 GB Ram, 160 HDD, 15 TFT	35	10	P4 2.8 GHZ 845 gvsr 80 gbhdd 256 bram	10
2	P4 3.0 Dual Core 946 GZ M/B 80 GB HDD, 256 Ram Wireless Lan	27	11	P4 2.4 GHZ, GVSR M/B 80 gb HDD, 256 RAM	23
3	P4 3.0 HT, D102 GCC M/B 160 hdd, 256 MB Ram	10	12	P4 3.0 Ghz, Intel 915 m/b 1 gb ram, 120 gbhdd	1
4	P4 3.0 D102 Mb 512*2 ram 160 * 2 hdd	3	13	P4 3.2 915 GAVL M/B 1 GB Ram, 120 gbhdd	1
5	P4 3.0 D102, 256 * 2 ram, 160 hdd	2	14	P4 1.8 ghz GLAD M/B 256 mb ram, 40 gbhdd	8
6	P4 2.4 D865 GBF M/B 512 ram, 40 gbhdd	2	15	Celeron 1.1 ghz 810 gigabyte m/b 256 mb ram, 40 gbhdd	12
7	P4 1.8, GVSR M/b 256 ram, 40 gbhdd	4	16	P4 1.7 ghz, D845 GBV 256 ram, 40 gbhdd	2
8	Celeron 1.7 Ghz, GVSR M/B 256 ram, 40 gbhdd	13	17	P4 2.8 GHZ Core to duo DG 41 TY, 250 GB HDD, 2 GB RAM	20
9	HP ML-350 Server Proliant ML 350 G-5 E-5310, 1.66 ghz 1066 fsb	1	18	Server HP ML 150 G6 Model Intel xeon 2.00 ghz	2
<b>Total 176</b>					

- Laptops : 6**
- Backup Facilities:**

Sr. No.	Particulars	Qty
1	5 KVA online UPS	1
2	10 KVA online UPS	1
3	10 KVA online UPS	1
4	10 KVA online UPS	1
5	10 KVA online UPS	1
<b>Total</b>		<b>5</b>

- Fire Extinguishers:**

Sr. No.	Particulars	Qty
1	Fire Extinguishers	2
<b>Total</b>		<b>2</b>

- Printers**

Sr. No.	Particulars	Qty
1	Epson LX 800 without tractor	2

2	Lx 800 Printer	14
3	Lx 800 Printer	2
4	HP 1319 all in one	1
5	HP 1020 printer	2
6	HP 1010 printer	1
7	<b>Total</b>	<b>22</b>

- **Microprocessor Kits**

Sr. No.	Particulars	Qty
1	8085 Microprocessor Kit	26
	<b>Total</b>	<b>26</b>

- **Mobile Phones**

Sr. No.	Particulars	Qty
1	Nokia N 72	1
2	Nokia E51	1
	<b>Total</b>	<b>2</b>

- **Projectors**

Sr. No.	Particulars	Qty
1	Optoma DLP projector	3
2	Sony ELP Projector	1
3	NEC projector	1
	<b>Total</b>	<b>5</b>

- **Air Conditioners**

Sr. No.	Particulars	Qty
1	Airtemp Air conditioner	1
2	Blue Star AC	2
3	Airtemp Air conditioner	4
4	LG Airconditioner	1
	<b>Total</b>	<b>8</b>

- **Licensed Softwares**

Sr. No.	Particulars	QTY	Sr. No.	Particulars	QTY
1	Visual Basic A.E	1	16	QuickhealEmterprise Edition	1
2	Visual C++ A.E	1	17	Quickheal Desktop Edition	5
3	Windows for Workgroup	1	18	Quickheal Novell Ediiton	1
4	Ms office 4.2 with foxpro	1	19	Quickheal Dos Ediiton	1
5	Lotus 123 upgrade to 3.4	1	20	Mswindows NT workstation 4.0 AE	22
6	Sco-unix 16 users cross upgrade	1	21	Mswindows 98 SE	5
7	Quickheal	1	22	Ms windows 2000 server	1
8	Novell Netware 25 users 4.11	1	23	Ms Windows 2000 cal AE OLP	22
9	Novell Netware 25 users Small business	1	24	Ms Windows Office XP Pro OLP	22
10	Quickheal Antivirus 3 yrs	100	25	Ms Visual Studio 6.0 Ent Olp	22
11	Quickheal Antivirus 3 yrs	20	26	Oracle 7.x on Novell Platform	1
12	Microsoft Windows XP Professional	1	27	Developers 2000 Enterprise	1
13	Red Hat Enterprise Server Edition	1	28	Power Builder 5.0 Desktop	1
14	Red Hat Client	1	29	Novell Dos 7	1
15	Quickheal Antivirus 3 yrs	5	30	Sybase NLM 8 users	1

**31. Number of students receiving financial assistance from college, University, government or other agencies:**

Academic Year	Number of sudents
2010-11	86
2011-12	75
2012-13	172

Apart from this data, the Kartikeya Rindani Scholarship is offered to deserving students every year. The details are as follows:

Year	Name of the student
2011-12	Swapna A Devendra
	Abhijit Pachpor
	Amol Bhalerao
2012-13	SagarShinde
	AishwaryaRisbood
	Shweta Sathe
	Rashmi Dhamale

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

Year	Name of Institute / University / Department/ Agency / Industry	Topic
2011-12	Mr. Harold D'Costa, CTO, Intelligent Quotient Security System	Current and future trends in Ethical Hacking
	Mr. Gautam Rege, Director, Josh Tech	Ruby On Rails
	Mr.Amit Bagaitkar, Manager, Symphony	Bioinformatics and genetic Algorithm
	Dr.Sanjay Kadam, Senior Scientist, C-DAC,Pune	Neural Networks
	Mr.Sushant Poundrik, Senior System Analyst, United Software Associates	Web services and Applications
	<b>Lecture Series</b>	
	1.Mr.Sanjay Katkar, CTO, Quick Heal Technologies	
	2. Mr.Anand Das, CTO, Pubmatic Pvt. Ltd.	
	3. Mr.Atul Kahate, Sr.Consultant, Oracle Financial Ltd	
	4. Mr.Gautam Rege, Director, Josh Tech	
5. Ms.Shraddha Joshi, Senior Software Engineer, PSL.		
2012-13	Prof.A.E.Lagad, AhmedNagarCollege,Nagar	Comp.ProgrammingCPrg. Bitwise Operator
	Ms.Shraddha Joshi, Senior Software Engineer,PSL	Adv. .net
	Mr. Swapnil Dharmadhikari, CEO,Splashgain Technologies	Cloud Computing,Google Search Engine
	Mr. Vikrant Sukhtankar, Director,Gyanteerth	Aptitude Test Preparation ,Soft Skills
	Dr. Sanjay Kadam, Senior Scientices, C-DAC,Pune	Applications of Artificial Neural Networks
	Indian Air force	Seminar on Placement opportunities in Indian Air Force
	C-DAC Advance Computing Training School	Participation in Tech-Sangam C-DAC Acedemic (collaboration Initiative Program)

### 33. Teaching methods adopted to improve student learning:

- Chalk & talk, interactive sessions, practical sessions,power-point presentations, topic wise group discussion, audio-visual presentations, student mentoring & counseling sessions (seminars, workshops & guest Lectures).

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

The department is organizing various events in collaboration with Industry.

#### 1. 'QH CONNECT' :

The department conducts this activity every year since 2011. The students from different colleges in Pune city are shortlisted based on following criteria:

- Aptitude Test
- College can recommend maximum 2 students.
- Personal Interview of all shortlisted as well as recommended students and out of that we will select approx 45 students for 'QH CONNECT ' program.
- On successfully completion of the program final interview process will be conducted.
- Selected candidate will be offered for Placement.

#### 2. CAREER FEST

Career Fest is organized in the college since last two years. Different universities visit college and give guidance about the entrepreneurship to the students. The list of universities visited college is:

- ITM Hotel Management
- EcoleHoteliere
- Livewires
- LTA School of Beauty
- Columbus Travel Academy
- GIA
- Akemi B-School
- Seam Edu
- INIFD
- Krishjay Infotech

#### 3. CAREER EXHIBITION by "Energia Wellbeing Pvt. Ltd"

Career Exhibition is organized for college students from **11th Std. to TY Year** Students. Approximately 250 students participated in this Career Exhibition. The Team Members Consisting of Clinical Psychologists and Counsellors addressed the students in the Career Exhibition to make them understand the higher education options and areas of career specialization. It was an insightful program for the students on career planning and new age careers which helped them to begin their career planning.

#### 4. GRE / TOEFL "QUIZTHON"

The GRE test is the most widely accepted test when it comes to studying or working in a foreign country. MBA, engineering anything can be pursued after taking this test and not only that in case you want to work abroad, the GRE scores help you there as well.

The test is divided into 4 parts: verbal reasoning, quantitative reasoning, critical thinking and analytical writing. Advantages of the GRE test are that it can be taken at an interval of 21 days and 5 times in one year. So in case you feel you have not done too well the first time, your second attempt is not too far away.

#### 5. WORDCAMP

The Word Press Community in collaboration with the Department of Computer Science has organized a 'WORDCAMP'. The workshop covered Technical and Theoretical sessions for Customized Website Development Using 'WORDPRESS'- A Content Management System.

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

#### Strengths :

- Well known IT companies regularly visit this department for placements in the IT industry on a preferred basis.
- Pune being IT hub, growing opportunities for the placement of the students are available.
- The department has young, experienced qualified and highly motivated staff.
- Adequate infrastructural facilities
- Well equipped laboratories with licensed software, 10 mbps leased line facility and Wi-Fi.
- The department has strong and active alumni support.
- The central location of the college and easy accesability from all corners.
- Established in 1986, the Department of Computer Science is a pioneering department in the field of computer science.

#### Weaknesses :

- The college has to give direct admissions to students passing 12<sup>th</sup> standard from same college as per the university rule. This at times adversely effects the merit criteria for the course.
- Due to certain changes in admission policies of the related cources, the overall percentage for students applying for first year has decreased

#### Opportunities :

- Looking at the growing IT industry, huge manpower requirement is one of the major opportunities.
- The department conducts B.Sc. (Computer Science), M.Sc. (Computer Science), M.C.A. courses through which students get ample opportunities of their progression.
- The department organises various activites such as seminars, guest lectures, workshops in which the IT experts are invited to guide the staff and students. This provides students easy access to eminent IT professionals and experts.
- The infrastructure and other facilities provided inculcate the research culture among teachers and students.
- Enhancing the quality of education, through the collaborative activity with Pune University, IISER Pune and University of Melbourne, Australia, for conducting B.Sc. Blended course.

#### Challenges :

- To cope with the pace of technological advancement in the IT sector
- Uncertainty in the IT field.
- To meet industry specific demand with respect to manpower requirement.
- Big challenge of cyber security, malware, viruses.
- Genuine multifactorial limitations of the students coming from varied socio-economic background creates heterogeneity in the class and addressing the needs of all of them in the same class is a challenging task.

#### Future plans:

- To establish a recognized Post Graduate Research Centre.
- To enhance the infrastructural facilities and equipments.
- To upgrade platform and resources in accordance with the changes in technology and syllabi.
- To start course B.C.A. (Science Faculty).
- To develop a Computer Museum.

#### Departmental activity:

The need for the hour is excellence in every field of operation, and particularly "Information Technology". Realizing this need, the Computer Science Department, Modern College, Pune-05 is engaged in molding tomorrow's information and communication technologists today.

Our students are in the field of Computer Science and Applications. Their entry for the course is on the basis of merit. At the undergraduate level their performance at HSC (Science) with mathematics as compulsory subject is the criteria for the admission. At the postgraduate level their performance at the B.Sc. (Computer Science) degree and performance of the entrance examination is the criterion for the admission for the M.Sc. (Computer Science) course and MCA (Under Science Faculty).

We are proud that the student opt our centre with highest priority. As a result, the students of Modern College, Shivajinagar, Pune-5 are at the forefront in the IT field. During their graduate and postgraduate studies they undertake the projects which are relevant to the current industrial needs. These projects have helped students to apply their theoretical knowledge to the real life situation.

Through practical demonstrations, Guest Lectures, Group Discussions etc, we bring the latest in computer technology to our students. Co-curricular activities sharpen their minds and other skills that help in overall development.

We have a dedicated team of teachers, experts and well equipped laboratories. The young and highly qualified team of faculty members spare no efforts to keep the students well informed and in updating their knowledge. The students are also reciprocating by their high achievements in academic performance.

A large number of students are getting excellent placements in India and abroad. Every year several students are also selected in reputed foreign universities for higher studies. Various educational authorities have noted the achievements of reputation of the college. There is overwhelming response from the students to secure admission to the courses offered by the department.

During the NAAC peer team visit to the department, committee members appreciated setup, computing facilities, resources and activities conducted by the department for the students and community.

**Activities conducted during the year:**

- Kartikeya Rindani Best Programmer Competition
- Wordpress Camp
- Poster Competition
- Project Competition on Science day
- Placement Activity
- Seminars
- Workshop
- Group Discussion
- Mock Interview
- Guest lectures
- One Day Lecture Series
- Single Window – A Centralized Admission Programme
- Conduction of M.Sc and M.C.A Entrance Examination at Mass Level
- Student Counseling
- Zaroka - The Desktop..... article column

• **Joint endeavor of Rindani Family and Alumni of Modern College**

On 17<sup>th</sup> Feb’2013, four students from the Department of Computer Science, Modern College of Arts, Science and Commerce; Mr. Sagar Shinde, Ms. Aishwarya Risbond, Ms. Shweta Sathe, Ms. Rashni Dhamale received a scholarship of Rs. 10,000 each. Since Kartikeya Rindani was an excellent programmer the College organized “Kartikeya Rindani Inter collegiate Programming Contest”.

About 67 students participated from various colleges. The event was organized in two rounds out of which first, second and third rank holders received appropriate prizes. The prizes were in the form of Mementos, Books, Pen drive and participation Certificate. The prizes were sponsored by Rindani family and Kartikeya’s friends.

Prof. Abhijeet Sathe worked as a co-ordinator for organizing this Event. Mr. Navendra Sigh, Mr. Himanshu Trivedi, Mr. Gautam Kasturi worked as Judges for the rounds in the Competition. The Valedictory function was arranged on the same day of the competition. Dr. Girish Rindani, Mr. Sanjay Katkar, CTO, Quickheal Technologies and Mr. S. Chandrashekhar were the honorary Chief Guests for this function. The guests and Principal were felicitated at the programme. The guests addressed the audience and shared their views and experience with Kartikeya. Mr. Gautam Kasturi, CEO, Spider Logic announced for K.R Internship every year for two students of Modern College.



**Scholarship received by Ms. Aishwarya Risbond at the hands of Mr. Rindani**



**Scholarship received by Mr. Sagar Shinde at the hands of Mr. Rindani**

**A straight Interaction: An Interview of Mr. Sanjay Katkar ,(CTO, Quick Heal and alumni of Modern College) –a success story of Entrepreneur** was conducted by Prof. S.S Deshmukh. During this Interview Mr. Katkar was queried on the various milestones achieved in Business, Research and future prospects. Mr. Katkar discussed details of how he started of the Antivirus Company in an office area of 100 sq. feet. The Interaction motivated students to look beyond the scope of achieving a good job and consider Entrepreneurship as a bright career.



**An Interview of Mr. Sanjay Katkar**

• **Word Press Camp –**

WordPress User Group Pune for the first time in our city hosted "**WordCamp Pune 2013**" on 23rd and 24th of February 2013 in our department in association with Rosseller Club Code, Woo Themes, Ayojak and Moozup. Mr. Siddharth delivered a session on "Making responsive logic code and tricks of trade". Ms. Savita Soni talked on Power of WP Query. Mr. Aniket Pant talked on Metaboxes. Mr. Saurabh Shukla conducted a session on Open source Word press plug-ins. Ms. Nisha Singh discussed about 'How to get your theme and Repository'.

**Poster Competition:** was conducted on 14<sup>th</sup> Sept'12 on the topics Encryption, Computer Graphics, Ethical Hacking, Operating system, Satellite communication, Big data, Distributed computing, Robotics, Gaming, Image Processing and Artificial Intelligence. The Judges for this event were Mr. Anand Das, CTO, Pubmatic, Mr. Mukul Kotkhindikar, Manager, Pubmatic, Mr. Kunal Urmikar, Team Lead, Pubmatic and Swanand Shinde



### Glimpse of Poster Competition

- **Workshop on Communication Skills** conducted for P.G students by Mrs. Vahini R Muniganti, Leadership coach and Life skill trainer, Psychology Practitioner and chief for Evolution Excellence. The duration of the workshop was 30 hours. Points covered were – Resume writing, Time Management, Confidence building, dressing sense, table manners, Corporate Etiquettes, Goal setting, communication Skills, Leadership attitude, behavior management, debate and elocution, body language and postures, presentation skills, Group discussions, GD PI and role play.
- **Project Competition on Science Day:** The department conducted a Project competition for its P.G and U.G students on the occasion of Science day.

### SEMINARS:

This year the Department had organized a **Seminar Series** by inviting eminent personalities from the field of IT. Prof. Mrs. Manisha Suryawanshi worked as co-ordinator for the same. This activity proved beneficial to the students as well as to the staff members and helped in establishing college and industry relationship. All teaching and non-teaching staff members took active participation in the smooth conduct of the seminar series. We are also thankful to the college administration for providing us necessary support in this regard.

#### Details of the Seminars is as follows:

- **One day lecture series** by Mr. Piyush Khairnar(Quick Heal Connect) on Operating system Architecture, C stack operations and Mr. Chetan Jadhav (Pubmatic) on Linux Operating system
- **Quickheal connect session** had seminar delivered by Sherin Charley on C and Assembly, Mrunal Hampiholi on C/CPP, Rajesh Nikam on Introduction to computer security, Anant Pulgam on Reverse Engineering, Priti More on MS Windows, Sonia Shinwadkar on Macros & pointers
- Alesh Patwardhan and Team, ITSquare delivered a seminar on Intel Atom process Architecture design
- Priti Pubreja, Director,
- Sagar Dasalkar, Microsoft, Hyderabad talked on Utilities in Windows
- Hrishikesh Pangarkar, Persistent Systems Limited delivered a seminar on Win32
- Amol Abhyankar, KPIT, talked on SAP Business Intelligence
- Swapnil Pophali, Symphony Services delivered a talk on Android
- Pallavi Biswas, Sungard conducted a session on Aptitude and Problem solving techniques
- Jitendra Bhattad delivered a session on C/CPP
- Harshal Jhende, IBM, talked about DB2
- Jitendra Tilekar, Pubmatic, delivered a session on JAVA/PHP
- Pravin Phatangare talked about Solid principles
- Vaibhav Joshi, PSL, talked on Object Oriented Programming Concepts
- Bhagyashree Chavan, Pubmatic talked on PHP
- Saurabh Pataskar, Vertis Infotech delivered a talk on Agile Methodology
- Vishnudas Kulkarni conducted a Seminar on Interview techniques
- Sagar Jagtap delivered a talk on Macros and Pointers
- Parikshit Sarnaik and Swapnil Mahajan conducted a session on C/CPP
- Anil Kuteta and Ajay Shinde delivered a talk on Advanced Pointers
- Swati Mandhare and Amol Shinde conducted a session on Introduction to CPP
- Umesh Joshi and Vaibhav Langote talked on Advanced CPP

#### Details of the teachers who have participated in Seminars / Workshops/ Conferences and other Achievements:

- Prof. S.S Deshmukh worked as Chairman for all the Seminars and Workshops conducted by the department and guided the staff members to conduct all the activities/events proficiently
- Prof. Kalyani Salla presented a Research paper on “Efficacy of selected Softcomputing techniques in Ranking of sites for Industrial Installations” and Prof. Anjali Sardesai presented a Paper on “Initial Screening of Gynecological Diseases in a Patient, Expert's Knowledgebase and Fuzzy Set Theory: A Case Study in India” at the “World Conference on Softcomputing” at Baku, Azerbaijan and won “Certificate of Merit” for their Papers
- Prof. Shilpa Dange published a Research Paper on “Implementation of RSA Algorithm using Mersenne Prime” in the International Journal on Networking and Parallel Computing
- Prof. Madhuri Ghanekar presented a Reseach Paper on “SYMCOMP: A Simple tool for Researchers for understanding and verifying Algebraic Expressions” at the International Conference held at Nowrosjee Wadia College
- Prof. Shweta Jawale passed the UGC NET exam
- Prof. Sheetal Patil passed the SET exam
- Prof. Kalyani Salla worked as a Resource person at the M.Sc syllabus implementation workshop on Softcomputing sponsored by BCUD, University of Pune

- Prof. Shilpa Dange delivered a Talk on Image Processing and MATLAB in the Department of Mathematics, University of Pune
- Prof. Manisha Suryawanshi worked as co-ordinator for the One day lecture series and Poster Competition
- Prof. Abhijeet Sathe worked as co-ordinator for Kartikeya Rindani programming contest
- Prof. Manisha Suryawanshi, Prof. Sangeeta Raut and Prof. Madhuri Ghanekar participated in a Workshop on “How to write and Publish Research Papers in Computational Science” held at Abeda Inamdar College
- Prof. Sangeeta Raut participated at the International Conference held at Nowrosjee Wadia College
- Prof. Manisha Suryawanshi, Prof. Vaishali Bhoite, Prof. Radha Khedekar attended the Workshop on credit based system for PG at Garware College
- Prof. Kalyani Salla attended a National Level Workshop on Publishing using LATEX
- All staff members of the department participated in Wordpress Camp

#### Details of books written by staff:

- Prof. Anjali Sardesai authored a book on Soft Computing by Vision Publications for M.Sc. Sem –III students

#### Activities and support from the Alumni:

- Past students have supported in placement of current batch students in the reputed IT industries and in offering training programmes.
- Project guidance is made available from alumni to the students by means of lectures, project guidance & counseling sessions
- Group Discussion and Seminars Group discussion sessions of the present students were arranged and seminar sessions of past students are arranged on every Saturday on different topics
- Mock Interviews were conducted by past students for the current batch to face
- Participation in organizing “Kartikeya Rindani Programming Contest”

#### Student achievements and awards:

**Students took lead in organizing Project Exhibition/ Poster Competition and participated in various intercollegiate events. Students secured prizes in the various events as follows –**

- Rahul Dange, MCA - III won first prize Coffee with JAVA, MIT
- Pramiti Thakar and Sonali Sonawane, MCA – I won first prize at MIT in Diagram Meet
- Poonam Deshpande, MCA – II, won first prize in ‘Dark Night in C’ at MIT and second prize in ‘Diagram Meet’ at MIT
- Idris Wishiwala, MCA - I won first prize in ‘Mock Placement’ at Modern College of Engineering, Pune - 5
- Sonal Menkar and Sonali Sonawane, MCA -I won Runner – up prize Art Integration at Poona College, Azam Campus
- Sonali Agarwal, Nihara Kulkarni and Shashikant Bagal, MCA - I won first prize in Dum Sherades at Poona College
- Laukik Nahar, MCA-I won first prize at ‘C War’ at Azam Campus
- Nihara Kulkarni, Idris Vishiwala, Sonal Menkar and Sonali Agarwal, MCA-I won first prize in treasure hunt at MIT College
- Prathamesh Londhe, Subodh Parkhi, Yuvraj Londhe won first prize in the Project Competition held at Garware College
- Sagar Shinde, MCA- I student won the following prizes during the academic year 2012-13

Sr No.	College/Institute	Competition Name	Rank
1	Modern College of Arts, Science and Commerce, Pune 5	Kartikeya Rindani Programming Contest	1 <sup>st</sup>
2	Modern College of Arts, Science and Commerce	R. M. Marathe C programming Contest	1 <sup>st</sup>
3	RamKrishna More Vidyalaya	King of the ‘C’ Language	1 <sup>st</sup>
4	Brihan Maharashtra College of Commerce	Star of the ‘C’	1 <sup>st</sup>
5	Abasaheb Garware College	C Programming	1 <sup>st</sup>
6	H.V. College	Programming	1 <sup>st</sup>
7	Walia Institute	Binary Quiz & Aptitude Test	1 <sup>st</sup>
8	Maharashtra Academy of Engineering	C Relay Race	1 <sup>st</sup>
9	All India Shri Shivaji Memorial Society’s Institute	Code Chef in ‘C’	1 <sup>st</sup>
10	All India Shri Shivaji Memorial Society’s Institute	Debug N Win	1 <sup>st</sup>
11	All India Shri Shivaji Memorial Society’s Institute	Squizz	1 <sup>st</sup>
12	Vishwakarma Institute of Information Technology	Let us ‘C’	1 <sup>st</sup>
13	Vishwakarma Institute of Information Technology	‘C’ Storm	1 <sup>st</sup>
14	Poona College of Arts, Science & Commerce	Quiz	2 <sup>nd</sup>
15	Indira College of Commerce & Science	Code Chef in ‘C’	2 <sup>nd</sup>
16	Rashtriya Swayamsevak Sangh	20-20 Programming	2 <sup>nd</sup>
17	MIT College, Alandi	Black Out Coding	2 <sup>nd</sup>
18	Symbiosis College	Online Java Competition	2 <sup>nd</sup>
19	H. V. Desai College	Mathematical Ability Test	2 <sup>nd</sup>
20	Abasaheb Garware College	Quizz	2 <sup>nd</sup>
21	H. V. College	Quiz Competition	3 <sup>rd</sup>
22	All India Shri Shivaji Memorial Society’s Institute	Jiffy Java	3 <sup>rd</sup>

#### Placement Service provided to the students:

- Department of Computer Science has a Placement Cell and runs placement activity through a Placement Cell for Post-Graduate Students and Under-Graduate Students. This year Prof. Manisha Suryawanshi worked as a Placement Co-ordinator and Chairperson of the Placement Committee for the placement activity under her able guidance 98% of students from the Post-Graduate Wing (M.Sc.(Computer Science), MCA) are placed in reputed organizations. All teaching and non-teaching staff members of the Department provided necessary support in smooth conduct of this activity. Under Graduate students are also placed in reputed software companies.

**Any other relevant information:**

- Staff members had taken active participation in the admission process of F.Y.B.Sc. (Computer Science), MCA & M.Sc.(Computer Science) courses

A committee was constituted for conducting M.Sc. (Computer Science) & MCA entrance Examination 2011. Dr. G.R. Ekbote (Chairman, P.E. Society) Prof. P. S. Chirputkar (Chairman, LMC), Dr. A. K. Pande (Chairman, LMC), Prof. Mrs. Jyostna Ekbote (Chairperson, LMC) Principal Dr. R. S. Zunjarrao (Chairman of the Committee) provided necessary guidance & administrative support in organizing the entrance examinations smoothly.

## Department of Economics

- Name of the department:** Department of Economics
- Year of Establishment:** 1970
- Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., and Integrated Masters; Integrated Ph.D., etc.)**  
B.A. Economics  
M.A. Economics  
Ph.D.: PG Research Centre in Economics from 2013.  
Post Graduate Diploma in Banking and Finance.
- Names of Interdisciplinary courses and the departments/units involved**  
Post Graduate Diploma in Banking and Finance
- Annual/ semester/choice based credit system (programme wise)**  
B.A.: Annual Pattern  
M.A.: Semester Pattern.
- Participation of the department in the courses offered by other departments**  
Business Economics, Banking and Finance, Industrial Economics, Industrial Economic Environment, and Research Methodology courses by the Department of Commerce.
- Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil
- Details of courses/programmes discontinued (if any) with reasons:** Nil
- Number of teaching posts**

	Sanctioned	Filled
Professors	-	-
Associate Professors	3	3
Asst. Professors	3	3

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

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. M.M. Satam	M.A. M.Phil. Ph.D., MBS(HR)	HOD, Associate Professor	Economics	30 yrs	7
Dr. A. H.Shende	M.A. Ph.D.,NET, SET	Associate Professor	Economics	17 yrs	1
Dr. S.S.Deshmukh	M.A. Ph.D. SET	Associate Professor	Economics	14yrs	NA
Mrs. S.A. Vartak	M.A. M Phil. SET	Asst. Professor	Economics	25yrs	NA
Miss Padmashri Mujumdar	M.A. M Phil. SET	Asst. Professor	Economics	13yrs	NA
Dr. J.P. Nambiar	M.A. M.Phil. Ph.D.,	Asst. Professor	Economics	8 yrs	NA

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

- Dr. Mrs. Yojana Karve, Ex-Principal Garware College of Commerce
- Mr. Misal Prakash, Sr Bank Officer, BOM
- Mr. Vijay Haldankar, Retired Bank Officer
- Mrs. Kaptan, Retired Bank Officer, BOI

**12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty**

All the lectures of Grantable Course are engaged by permanent faculty and the lectures of Non-Grantable Course are handled by temporary faculty.

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

B.A. : 20:1  
M.A.: 12:1

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

One post of Faculty Clerk, in the college office is sanctioned and filled

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

Qualification	PG	M.Phil.	Ph.D.	D.Litt.	D.Sc.
No. of Staff	-	2	3	1	-

**16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:**  
National 02

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

BCUD Minor Research on Financial Inclusion and Unemployed Youth, Rs. 75000/-

**18. Research Centre /facility recognized by the University**

Ph.D. Research Centre in Economics is recognized by the Pune University, pune, from December 2013.

**20. Publications:**

Name of the faculty	Papers			Books			Total publications
	International	National	Presented in Conference	International	National/Local	Book chapter	
Dr. M.M. Satam	4	8	12	-	3	9	18
Dr. A. H. Shende	-	11	-	-	1	-	12
Dr. S.S.Deshmukh	-	1	-	-	-	-	1
Miss Padmashri Mujumdar	-	-	1	-	-	-	1
Dr. J. P. Nambiar	-	-	2	-	-	-	2

**20. Areas of consultancy and income generated: Nil****21. Faculty as members in****a) National committees****b) International Committees****c) Editorial Boards**

- Following members are members of editorial board 'RESECO', a research annual of Department of Economics -

i) Chief Editor : Dr.M.M.Satam

ii) Members : Dr.A.H.Shende, Dr. S.S. Deshmukh, Mrs. S.A. Vartak,  
Ms. P.B. Mujumdar, Dr. N.P. Nambiar, Mr. Sameer Thakur**22. Student projects****a) Percentage of students who have done in house projects including inter departmental/programme: 100%****b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: Nil****23. Awards / Recognitions received by faculty and students:****Students:**

- Kanhayya Babar : National Shooter
- Priyadarshini Padher: Pursuing post graduation in Economics in USA

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

- Dr. Santosh Dastane, Director IBMR, Pune.
- Dr. Medha Dubhashi
- Dr. Akshay Dabi
- Dr. Jugale HoD, Economics Department, Kolhapur University.

**25. Seminars/ Conferences/Workshops organized & the source of funding:****a. State:**

- State Level Seminar on Research in Social Sciences – Techniques & Trends Under Quality Improvement Programme Of Pune University.
- A two-day seminar on Research in Social Sciences – Techniques & Trends was organized at Modern College of Arts, Sciences & Commerce, Shivajinagar, Pune, on 7<sup>th</sup> and 8<sup>th</sup> of January 2011.
- Department of Social Sciences, Modern College of Arts, Science and Commerce, Shivajinagar, Pune 5, had organized one day Seminar on "Current Status of Social Sciences and future scope", on Wednesday, 11<sup>th</sup> of January 2012.

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

Name of the Course/programme	Application received	Selected	Enrolled		Pass %
			*M	*F	
2010- 2011	239	161	102	59	48.14
2011-2012	246	173	99	74	96.96
2012-2013	282	207	120	87	64.00

**M.A.**

Name of the Course/programme	Application received	Selected	Enrolled		Pass %
			M	F	
2010- 2011	72	48	38	10	48.00
2011-2012	58	30	19	11	99.00
2012-2013	73	34	19	15	64.00

**27. Diversity of Students:**

**B.A.**

Year	% of students from the same state	% of students from other States	% of students from abroad
2010-2011	100	Nil	Nil
2011-2012	98.24	1.32	0.44
2012-2013	97.82	1.82	0.36

**M.A.**

Year	% of students from the same state	% of students from other States	% of students from abroad
2010-2011	94.03	4.48	1.49
2011-2012	91.30	5.80	2.90
2012-2013	89.39	3.03	7.58

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

**29. Student progression**

Student progression	Against% enrolled
UG to PG	50
PG to M.Phil.	30
PG to Ph.D.	10
Ph.D. to Post-Doctoral	-
<b>Employed</b>	-
• Campus selection	-
• Other than campus recruitment	-
Entrepreneurship/Self-employment	-

**30. Details of Infrastructure facilities:**

- Library: Yes, Central Library
- Internet facilities for Staff & Students: Internet facility is available with 10 mbps leased line.
- Class rooms with ICT facility: Some of the classes have ICT facility.

**31. Number of students receiving financial assistance from college, university, Government or other agencies:**

The figures represent the total number of students of the Arts Faculty and Post Graduate students of the department.

Year	Total number of students
2010-11	60
2011-12	29
2012-13	71

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

- Remedial course for F.Y.B.Com. students was conducted in the academic year 2012-13.
- Dr. Santosh Dastane, Eminent Economist and Former Director of Wadia Management Institute, Pune
- Dr. Medha Dubhashi Professor and Chair (Pratibha Patil Chair for Women Development), Head Centre for Gender Studies, Vekunthbhai Mehta National Institute of Cooperative Management, Pune.

**33. Teaching methods adopted to improve student learning:**

- Effective use of ICT
- Visits to organization like RBI, NABARD, and *Adarsh Gaon* (Hivare Bazar)
- Activity based learning (Exhibitions and Financial Literacy Campaign)

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

The Department organizes Financial Literacy Campaign every year to create awareness about the financial system of India. The neighborhood community visits such exhibitions and campaigns.

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

- Students preparing for Civil Services Examination and other competitive examinations prefer Economics as a major subject.
- The department offers M.A. Economics course along with Statistics, Mathematical Economics and Econometrics as optional subjects.

**Weakness:**

- Students from vernacular medium
- Placement activity at departmental level needs to be strengthened.

**Opportunities:**

- To educate students in current banking practices to enhance their employability and to prepare them for competitive exams
- Participation in interdisciplinary education

**Challenges:**

- To inculcate the research aptitude among the students

- To enhance the job opportunities for the students
- Genuine multifactorial limitations of the students coming from varied socio-economic background creates heterogeneity in the class and addressing the needs of all of them in the same class is a challenging task.

#### Future plans:

- Association with Centre for Sustainable Village Development (College to Village Scheme) at Gokhale Institute, Pune.
- To develop an e-brochure for better placement of the students
- To develop a Finance Laboratory
- To publish second volume of Research Annual RESECO.

#### Departmental Activity:

The Department of Economics organizes various activities for the students and members for their enhancement and improvement by providing quality education.

- The department has been approved as Ph D Research Centre by University of Pune from Dec 2012
- The HOD and two ad-hoc teachers organized an educational tour for the students of BA and MA Economics on 8<sup>th</sup> Sept 2012. The purpose of the tour was to visit the "Adarsh Village – Hivare Bazar". The student also visited an orphanage named Snehalayain Nagar Dist. and donated clothes, food items and cash Rs.4000/- for the children.
- The department of Economics and Commerce organized a guest lecture by CA Bharat Shah on 5<sup>th</sup> March 2013, on Union Budget 2013.

#### Achievements and activities of the department members-

##### HOD - Dr. MadhuSatam

- Attended State level seminar on "Maharashtra Economy : Challenges & Prospects" organized by department of Economics, Fergusson College, Pune on 29<sup>th</sup> & 30<sup>th</sup> Aug 2012
- Presented a paper at an International Conference on "Sustainable Development" in Ness Wadia College of Commerce, Pune on 17<sup>th</sup> to 19<sup>th</sup> Jan 2013
- Participated in one day workshop for Ph D guides organized by University of Pune on 13<sup>th</sup> Feb 2013
- Participated in one day workshop for Restructure of New Syllabus for FY B Com & M Com in Economics on 2<sup>nd</sup> March 2013
- Worked as a member of organizing committee in the International Conference on Employability Enhancement through Proficiency in Indian and Foreign Languages and also as a Chairperson of Registration Committee and Paper Presentation Committee, held on 28<sup>th</sup> to 30<sup>th</sup> Jan 2013 in the college
- Attended workshop on Intellectual Property Rights on 2<sup>nd</sup> Feb 2013 at department of Biotechnology, Modern College, Pune
- Delivered a talk on All India Radio on Current Education System on 18<sup>th</sup> June 2012
- Delivered a talk on Scope and Career in Economics on foundation day of college on 15<sup>th</sup> June 2012
- Organized Industry- Academia meet on 14<sup>th</sup> Mar 2013 at college
- Appointed as a Chairperson by University of Pune for question paper setting of MA Sem. III & IV. for the year 2012-13
- Invited by University of Pune, Department of Commerce to set the question paper for SET exam in the subject "Business Economics" from 24<sup>th</sup> Aug to 26<sup>th</sup> Aug 2012
- Invited as in charge of a session on Banking & Insurance at National seminar on "Emerging Issues in Commerce & Industry" organized by Commerce department of the college on 24<sup>th</sup> March 2013
- Organized a programme for the visit of Foreign delegates from Penn State University to interact with our college teachers on 8<sup>th</sup> Jan 2013, as a Chairperson of International Students Association of college
- Co-Authored a book for M.Com. syllabus of Y C M O U Syllabus-Business Environment, completed in March 2013
- Invited for panel discussion on "When can we consider India a Developed Economy" in Gokhale Institute on 17<sup>th</sup> February 2013
- Appointed as a Chairperson by University of Pune for question paper setting of MA
- Participated in one day workshop for Ph D guides organized by University of Pune on 13<sup>th</sup> Feb 2013
- Invited for panel discussion on "When can we consider India a Developed Economy" in Gokhale Institute on 17<sup>th</sup> Feb 2013
- Participated in one day workshop for Restructure of New Syllabus for FY B Com & M Com in Economics on 2<sup>nd</sup> March 2013

##### Suresh Deshmukh

- Awarded Ph.D. degree in Economics from University of Pune.
- Completed Refresher course in Pune University.

##### SandhyaVartak

- Participated in "Keep Moving Movement" workshop conducted by Mr. NarainGoidani from Aug 2012 to Oct 2012.
- Completed Refresher's Course in "IT, social justice and security" for social science teachers from 5th Jan 2013 to 25th Jan 2013.
- Part of the organizing committee -International Seminar on "Employability Enhancement through proficiency in Indian and Foreign Languages"-28th to 30th Jan 2013.
- Participated in Co-operative Learning in classroom workshop-9th Feb 2013.
- Engaged lectures for M.A. students on Oligopoly Market Forms- at S.P. College on 12th and 13th March 2013.

##### PadmashriMujumdar

- Attended state level workshop on "Credit System for Post Graduation" organised by C.T. Bora College, Shirur on 8<sup>th</sup> January, 2013.
- Invited as a Judge for Debate Competition on economic issues at COEP, Pune on 18<sup>th</sup> January, 2013.

- Worked in registration committee of International Conference on Employability Enhancement through Proficiency in Indian and Foreign Languages organised by Modern College, Pune-5 on 28<sup>th</sup> to 30<sup>th</sup> January, 2013.
- Attended Workshop for college teachers on "Cooperative Learning Applied to Class Room Teaching" organised by Modern College, Pune-5 on 8<sup>th</sup> February, 2013.

#### Mrs. Jayasree.P.Nambiar

- Received confirmation of admission to the Ph.D. Programme in Economics from University of Pune and taken admission for PhD under the guidance of Dr.Mrs.M.M.Satam.
- Presented a paper, "Involvement of Non-Banking Financial Companies (NBFCs) in Gold Loans" in UGC sponsored national conference, "Is India prepared to meet the contemporary and Future challenges with reference to the changing global Scenario", held on 1<sup>st</sup>&2<sup>nd</sup> February 2013, conducted by Abeda Inamdar Senior College of Arts, Science and Commerce, AzamCampus,Pune,
- Attended one day workshop on Interdisciplinary studies- History, Social science & Economics held on 5<sup>th</sup> February 2013,Conducted by Modern College of Arts, Science& commerce, Ganeshkind, Pune.
- Presented a paper, "Role of Rural Business Processing Outsourcing (BPO) in rural employment" at National conference on "Rural Development: A powerful Engine for developed India",conducted by Sinhgad Business School,Erandwane,Pune,held on 8<sup>th</sup>&9<sup>th</sup> March 2013.
- Worked in registration committee of International conference on employability Enhancement through proficiency in Indian& Foreign languages" organized by Modern college, Pune,28th to 30<sup>th</sup> of January 2012.

#### Sayali A. Dhamdhare

- Participated in UGC Sponsored International Conference organized by Ness Wadia College Of Commerce,on Sustainable Development-Challenges and Opportunities held on 17th,18th, &19th January,2013.And presented a paper on "Evolution of Concept of Sustainable Development-A Theoretical Approach"
- Participated in one day workshop on Revision of Syllabus for Bachelor of Business Management (International Business) (BBM-IB) organized by Brihan Maharashtra College of Commerce,held on 25th Feb. 2013.
- Participated in national Conference,organized by Sinhgad Business School,on Rural Development : A Powerful Engine For A Developed India held on 8th and 9th March,2013. And presented a paper on "MG-NREGA : Effect On Rural Employment".

## Department of Electronic Science

- 1. Name of the Department :** Department of Electronic Science
- 2. Year of Establishment:**  
B.Sc. Electronic Science: June 1985  
M.Sc. Electronic Science: June 1993
- 3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):**  
B.Sc. Electronic Science  
B.Sc. Electronic Science (Vocational)  
Post Graduate: M.Sc. Electronic Science  
Research: Ph.D. Electronic Science
- 4. Names of Interdisciplinary courses and the departments / units involved :** Nil
- 5. Annual / semester / choice based credit system (programme wise) :**  
B.Sc. Electronic Science : Semester Pattern  
B.Sc. Electronics (Vocational) : Semester Pattern  
M.Sc. Electronic Science : Semester Pattern  
Ph.D. Electronic Science : Six month reports /presentation.
- 6. Participation of the department in the courses offered by other departments :**  
M.C.A. Science: Embedded System  
M.Sc. Chemistry: Analytical Chemistry
- 7. Courses in collaboration with other universities, industries, foreign institutions, etc. :** Nil
- 8. Details of courses / programmes discontinued (if any) with reasons :** Nil
- 9. Number of Teaching posts**

	Sanctioned	Filled
Professors	-	-
Associate Professors	03	03
Asst. Professors	10	10

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

Name	Qualification	Designation	Specialization	No. Of Years of Experience	No. Of Ph.D. Students Guided for the last 4 year
Prof. S.R.Chaudhari	M.Sc.M.Phil	Associate Professor	M.Sc. Physics; M.Phil. Electronic Sc.	28	-
Prof. D.B.Gaikwad	M.Sc. A.D.C.S.S.A.	Associate Professor	Electronic Sc.	28	-
Prof. B.B.Yenage	M.Sc. A.D.C.S.S.A.	Associate Professor	Physics	28	-
Prof. T.B.Sonawane	M.Sc. SET	Assistant Professor	Electronic Sc	08	-
Prof. T.R.Kumbhar	M.Sc. SET	Assistant Professor	Electronic Sc	06	-
Prof. M.R. Bodke	M.Sc.	Assistant Professor	Electronic Sc	10	-
Prof. A.V.Kamble	M.Sc.	Assistant Professor	Electronic Sc	14	-
Prof. P.S.Varade	M.Sc. SET	Assistant Professor	Electronic Sc	14	-
Prof. R.V.Vidap	M.Sc.	Assistant Professor	Electronic Sc	10	-

Prof. Ameeta A Kulkarni	M.Sc.	Assistant Professor	Electronic Sc	14	-
Prof. G.M.Tarte	M.Sc. SET	Assistant Professor	Electronic Sc	08	-
Prof. U.N.Kothavade	M.Sc.	Assistant Professor	Electronic Sc	08	-

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

- Dr U N Hivarkar, IGATE
- Dr A D Shaligram, Professor and Head of the Department of Electronic Science, Pune University.
- Dr. Smt. Damayanti C.Gharpure, Professor, Department of Electronic Science, Pune University.
- Prof. S.B. Bhagwat, Associate Professor, Ferguson College, Pune-5.
- Dr. SATISH SHARMA, Associate Professor and Head, Department of Electronics and Computer Science, Rashtrasant Tukadoji Maharaj Nagpur University.
- Dr.P.K.Bhadane, Head of the Department Nowrosjee Wadia College, Pune-1
- Mr Ganesh V. Shinde (KPIT)

**12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty :**

UG : 5%  
PG : 10 %

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

UG 15:1  
PG 16:1

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

One post of Faculty Clerk, in the college office is sanctioned and filled.

Technical	Sanctioned	Filled
Class 3	1	1
Class 4	6	5

**15. Qualification of teaching faculty with D.Sc./ D.Litt./ Ph.D./ M.Phil. / P.G. :**

Qualification	PG	M.Phil.	Ph.D.	D.Litt.	D.Sc.
No. Of Staff	12	1	-	-	-

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

Sr No	Name of the project	Year/Funding Agency	Name of Principal Investigator	Major /Minor	Amount Sanctioned
1	Effect of RF radiation on plant growth	2008-2010 BCUD	Prof. R.V. Vidap (PI) Prof. A.V. Kamble (CO I)	Minor	Rs. 1,00,000/-
2	"Modeling, Simulation and experimental study of Fiber Optic Tilt Sensors and their applications"	2009-11 BCUD	Prof. S. R Chaudhari (PI) Prof. D. B. Gaikwad ( CO I)	Minor	Rs. 2,50,000/-

**17. Research Centre / facility recognized by the University**

Post Graduate Research Centre in Electronic Science is recognized by the University, Pune -411007 (Maharashtra).

**18. Publications :**

Name of the faculty	Papers			Books			Total publications	Total impact factor	Total citation	h-Index
	International	National	Presented in Conference	International	National/Local	Book chapter				
Prof. S.R.Chaudhari	1	2	2	0	23	0	28	-	-	-
Prof. T.B.Sonawane	4	2	1	-	-	-	6	7.921	2	1
Prof. T.R.Kumbhar	2	-	-	-	-	-	2	1.1	2	1
Prof. M.R. Bodke	3	2	-	-	-	-	-	-	-	-
Prof. R.V.Vidap	3	0	7	-	-	-	10	6.277	6	1

**19. Areas of consultancy and income generated: Nil****20. Faculty as members in**

- National committees
- International Committees
- Editorial Boards

Nil

**21. Student projects**

- Percentage of students who have done in house projects including inter departmental/programme: 80%
- Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies: 20%.

**22. Awards / Recognitions received by faculty and students:**

Faculty		
1	B.B.Yenage	Captain NCC
2	A.V.Kamble	NCC
3	P.S.Varade	Best NSS Officer by Pune University
4	S.R.Chaudhari	Vice Principal
Students		
1	Mrs. Varsha Bapat	SET, Assistant Professor, Modern College, Ganeshkhind, Pune-53
2	Mr. Rajesh Joshi.	Sr. Manager, Business Development Dynalog India Ltd.
3	Mr. Sandesh Kashikar	Engineering Manager at Ericsson Austin, Texas Information Technology and Services.
4	Miss. Richa Deshpande	Proprietor, Eltech Electrodesigns, at Lonavala
5	Mr. Manoj Nerlekar	Police Inspector, Samarth Police Station, Pune
6	Mr. Mangesh Dayaphule	Project Staff, CMET, Pashan Pune
7	Mr. Pravin Rane	M/s. Prowiz Systems
8	Mr. Kapil Hole	SET, NET, Lecturer A.T.S.S. I.I.C.M.R., Chinchwad
9	Mr. Gajanan Tarate	NET, Lecturer, Modern College, Pune-5
10	Mr. Yogesh Darekar	Sr. Software Engineer IBM, Pune
11	Mr. Rajesh Wagle	Pcsmile Technology, IT Firm
12	Mr. Babasaheb Kadam	Asst. Manager Intelux Electronics Pvt. Ltd.
13	Mr. Vikram Upadhye	Sr. ASIC Engineer, Intel India Private Limited.
14	Mr. Rahul Deo	Design Engineer, Minda Stoneridge Ins. Ltd.
15	Mr. Rajendra Thombre	Deputy Manager at UNO MINDA, NK Minda Group
16	Mr. Mayur Gaikwad	Software Developer, Minda Stoneridge Instruments Limited.
17	Mr. Sameer Kelkar	Manufacturing Engineer, Honeywell Automation India Ltd
18	Mr. Piyush Manavar	Project Engineer, IIT Bombay
19	Mr. Bhaven	Senior Research Associate, IIT Mumbai
20	Mr. Avinash Shingte	M.Phil., Asst. Professor, Indira College of Commerce and Sc.
21	Mrs. Jyoti Shrote	SET, Asst. Professor, College of Commerce and Science, Pune
22	Dr. Harshad J. Gelada	B.Ed., Ph.D. Asst. Professor, Sinhgad College of Science,
23	Ms. Shruti Deshmukh	Asst. Prof. In Electronics, Sinhgad College of Science.
24	Ms. Jayashri Bangali	M.Phil., Asst. Professor, Kaveri College of Science and Commerce
25	Mr. Anand Buddhikot	M.Phil., Asst. Professor, Kaveri College of Science and Commerce
26	Mrs. Poonam R Kadam	Lecturer, Abasaheb Garware College, Pune
27	Mrs. Meghana Palkar	NET, Asst. Professor, Abasaheb Garware College, Pune
28	Mrs. Archana Apte	SET, Lecturer, Modern College Pune-5
29	Mr. Walunj Madhukar B.	SET, Lecturer, Abasaheb Garware College, Pune
30	Mrs. Misar Medha S	SET, Asst. Professor, B R Gholap College, Sangavi
31	Mr. Varade Prabhakar S.	SET, Asst. Professor, Modern College Pune-5
32	Mrs. Hailkar Pallavi B.	SET, Assistant Lecturer, MIT ASC, Alandi
33	Mrs. Shaikh Atiya Irfan	SET, M.Phil., Assistant Professor, Abeda Inamdar College, Pune
34	Mrs. Kishori Kasat	M.B.A., M.Phil., NET, Lecturer, Symbiosis college of Arts & Com.
35	Mr. P. K. Shinde	NET-JRF, Assistant Professor, Sangamner College
36	Mr. Kurne Inamdar Faizahmed Hamid	Asst. Professor, Head DOES, Abeda Inamdar College

### 23. List of eminent academicians and scientist / visitors to the department:

- Dr. A. D. Shaligram, Head of the Department of Electronic Science Pune University, Pune 411 007
- Prof. Z.B.Pathan, AKI's Poona College of Arts, Science & Commerce, Camp, Pune-411001
- Prof M B Patil, Professor, IIT, Mumbai
- Dr. K.S.Chari, Scientist G, DIT, New Delhi
- Kuber Madhav, Scientist F, DIAT Pune.
- Dr. Satish Sharma, Associate Professor and Head, Department of Electronics and Computer Science, Rashtrasant Tukadoji Maharaj Nagpur University.
- Prof. D. S. Patil, Department of Electronics, North Maharashtra University, Jalgaon [Maharashtra], India.
- Dr. Sharad Pustake, Advisor, Department of Science and Technology Park, Pune.
- Dr. R.K. Kamat, Department of Electronics, Shivaji University, Kolhapur – 416 004.
- Dr. M. D. Uplane, Department of Electronics, Shivaji University, Kolhapur – 416 004
- Dr. Mangesh Kashyap, Society for Environment Education, Research and Management (SEERAM) Varad, 250/A/8, Shaniwar Peth, Pune- 411030 Maharashtra, India.
- Dr. Arvind Joshi, President, CanArian International Inc, Toronto, Canada.
- Prof. P.B. Buchade, Head of the Department Electronic Science, Abasaheb Garware College, Karve Road, Pune - 411004.
- Prof. Bhimrao Ladgaonkar, Professor and Head, Post Graduate Department of Electronics, S.M. Mahavidyalaya, Akluj
- Dr. Girish Phatak, Scientist, CMET, Pune.
- Dr. Neelima Iyer, Scientist, NCL, Pune.
- Prof J V Khedkar, Head, Department of Electronic Science, Fergusson College, Pune.
- Dr. R.R. Mali, Director, Instrumentation, IMD, Pune
- Mr V N Savant, Maintenance manager, Vishay Component, Pune.
- Dr M N Awatade, Vasantdada Sugar Institute, Manjri, Pune.
- Mr. Sandip Thange, Krish Infotech, Pune.
- Shri Madhav Kuber, Sc-F, Defence Institute of Advanced Technology, (Deemed University), Pune.
- Dr. S. S. Sadistap Dy. Director CEERI Pilani.

### 24. Seminars / Conferences / Workshops organized & the source of funding

#### a. National:

- National Conference on Hazardous e-waste management was held on 23<sup>rd</sup> and 24<sup>th</sup> December 2013., BCUD Rs. 100000/-
- National workshop on Embedded system Design using ARM processor was held on 2-22 Oct 2008., BCUD Rs. 125000/-

**25. Student profile programme / course wise:****B.Sc.**

Name of the Course/programme	Applications received	Selected	Enrolled		Pass %
			M	F	
2010-2011	297	95	61	34	51.35
2011-2012	361	79	57	22	48.38
2012-2013	326	60	30	30	25.71

**M.Sc.**

Name of the Course/programme	Applications received	Selected	Enrolled		Pass %
			M	F	
2010-2011	59	26	9	17	86.95
2011-2012	62	26	19	7	76
2012-2013	48	20	11	9	95.60

**26. Diversity of Students****B.Sc.**

Year	% of students from the same state	% of students from other States	% of students from abroad
2010-2011	100	Nil	Nil
2011-2012	100	Nil	Nil
2012-2013	100	Nil	Nil

**M.Sc.**

Year	% of students from the same state	% of students from other States	% of students from abroad
2010-2011	98.08	1.92	0.00
2011-2012	94.44	5.56	0.00
2012-2013	95.56	4.44	0.00

**27. How many students have cleared national and state competitive examination such as NET,SLET,GATE, Civil Services, Defense Services, etc.?: - NET /****SET/NET Qualified Students:**

1.	Tarate G M	NET
2.	Walunj M B	SET
3.	Mr. P. K. Shinde	NET
4.	Mrs.Shaikh Atiya Irfan	SET
5.	Mrs.Jyoti Shrote	SET

**28. Student progression**

Student progression	Against % enrolled
UG to PG	50%
PG to M.Phil.	1%
PG to Ph.D	0
Ph.D to Post-Doctoral	0
<b>Employed</b>	
• Campus selection	2%
• Other than campus recruitment	10%
Entrepreneurship/ Self-employment	2%

**29. Details of Infrastructural facilities**

- a) Library- Total Books : Departemntal e-library  
 b) Internet facilities for Staff & Students : WiFi and 24 computers with 10 mbps leased line Internet  
 c) Class rooms with ICT facility : 2  
 d) Laboratories : 5

**30. Number of students receiving financial assistance from college, University, Government or other agencies:**

The figures represent the total number of students of the Science Faculty and the Post Graduate students of the department.

Year	Total number of students
2010-11	50
2011-12	74
2012-13	65

Two students are receiving financial assistance from Pune University under the Earn and Learn Scheme.

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

Course	Duration	Batches
Embedded System Development with Hands-ontraining using ARM processor	20- 22 October 2008.	One
State Level PLC Training Program with hands-onExperience	20-24 March 2008	one

Digital System Design Using VHDL	13 March 2010	one
Robot Workshop 8051 based Firebird robot as a platform to study embedded C for 8051.	24 Sept 2011	one
one day college level Imagine 2011 poster competition cum presentation	25 <sup>th</sup> February 2012.	One
one day college level Imagine 2012 poster competition cum presentation	25 <sup>th</sup> February 2012.	One
This two day state level workshop on Digital System Design using VHDL on CPLD board	10 and 11 February 2012.	One

### 32. Teaching methods adopted to improve student learning :

- Use of ICT
- Online examination for internal assessment
- Recorded lectures , online NPTEL lectures

### 33. Participation in Institutional Social Responsibility (ISR) and Extension activities :

- Tree plantation program
- E-waste management Campaign
- E-waste collection centre

### 34. SWOC analysis of the department and future plans :

#### Strength:

- Well equipped laboratories
- Well qualified, proficient in techniques, and research oriented staff
- ICT based Laboratories and Digital Classroom
- Virtual Laboratory

#### Weakness:

- The students enrolled at first year are generally of average percentage
- Busy schedule of the labs and space constraint restrict number of extra activity programs.
- Placement activity at departmental level needs to be strengthened.

#### Opportunities:

- To avail of the ever emerging opportunities in the field of electronic science and its applications by:
  - Conducting certificate courses
  - Conducting more hands-on training programs
  - Organizing industry academia meets
  - Preparing e-brochure of students for enhancing student employability
- Enhancing the quality of education, through the collaborative activity with Pune University, IISER Pune and University of Melbourne, Australia, for conducting B.Sc. Blended course.
- The department has initiated virtual laboratory facility in collaboration with IIT Mumbai, enabling quality-improved practical based teaching-learning activity.

#### Challenges:

- To enhance student employability and to motivate them for establishing their own business
- To establish research and development culture in such a way that the students will acquire positions in national /international research laboratories/industries.
- Genuine multifactorial limitations of the students coming from varied socio-economic background creates heterogeneity in the class and addressing the needs of all of them in the same class is a challenging task.

#### Future plan:

- Further improvement in the infrastructural facilities in the PG laboratory and the recognized research center.
- More effective and efficient use of the Virtual Laboratory developed in the collaboration with IIT, Mumbai.
- Publishing a research annual about the research activities carried out in the department.
- More add-on courses.
- E-brochure for better placement of the students.

#### Departmental Activity:

Department of Electronic Science of the college is actively engaged in various academic, curricular and extracurricular activities through out the year. The student strength of the department is about 588 during academic year 2012-13, which includes Junior, Senior and P.G. students.

Recognized Post Graduate Research Centre by University of Pune in Electronic Science was established from July 2011. With the various grants received like FIST, CPE and BSR infrastructure of department laboratories are upgraded. Instrumentation is upgraded and latest instruments like digital oscilloscope, digital LCR meter, well equipped computer laboratory, Digital Classroom are installed. With collaboration of IIT, Powai virtual laboratory is setup in the department. One of the best wisher Shri. V.Y. Kelkar ,Pushkarni, 33/34/ B, Erandvana, Prabhart Road , pune-4, donated precise digital APLAB LCR Q-Meter to our research Laboratory. Post graduate students and staff members are developing various platforms for Microcontrollers , which is professional work and also concerned with virtual laboratory experimentation guided by Mrs.Madhumati Date , IIT , Powai. Post Graduate section of Department of Electronic Science is enriched with all types of platforms needed to develop embedded system.

#### • Activities conducted during the year 2012-13

1. Practical Handbook prepared for F.Y./S.Y. B.Sc. Computer Science and Electronic Science students through CPE grants.
2. Laboratory Manuals for M.Sc. Electronic Science were prepared for the practical courses: Analog Electronics, PSPICE and Embedded system by the staff members.
3. More than 300 e-books of subject electronics are made available to students. Also more than 110 e-magazines made available in the form of .pdf files to the staff and students.

4. Remedial coaching for F.Y.B.Sc. students were conducted in the month of November 2012 and March 2013. Special revision lectures for F.Y.B.Sc students were organized in which Prof. S.R.Chaudhari, Prof. D.B. Gaikwad and Prof. T.B. Sonawane contributed to explore the syllabus and nature of examination pattern in detail.
5. Electronics Excellence Examination (EEE) organized by Society for Promotion of Excellence in Electronic Discipline (SPEED) was conducted on 15<sup>th</sup> December 2012. Ten students appeared for the examination and all qualified in it.
6. Students Alumni get together was organized with the project competition day on 27<sup>th</sup> February 2013.
7. Project competition 'Imagine' was organized on 27<sup>th</sup> February 2013 with collaboration of Society for Promotion of Excellence in Electronics Discipline (SPEED) and Post Graduate Association Modern College, Shivajinagar, Pune-5. All students of the M.Sc. Electronic Science participated in it, this competition was inaugurated by the hands of Principal Dr. R.S. Zunjarrao and the prize distribution ceremony was conducted with the hands of chief guest Prof. J.V. Khedakar, Head, Dept. of Electronic Science Fergusson College. Total 44 Projects were exhibited in Imagine 2013 project competition. The winner list is as below.

▪ **Poster presentation and competition Prize list Consolation prizes.**

Sr.No.	Name of the students	Class	Name of the project
1	Gaikwad Priyanka R and Patil Snehal S	S.Y.B.Sc	Types Of RAM
2	More Sanket S	T.Y.B.Sc	Water Level Controller
3	Daphane Mayuresh P	M.Sc-1	FM Transmitter
4	Langhi Shashank	M.Sc -2	RTC using PIC

▪ **Best innovative projects in Imagine 2013.**

Sr.No.	Name of the students	Class	Name of the project
1	Sargar Kapil	M.Sc -2	Emergency Vehicle detection on traffic light

▪ **Prizes from M.Sc. Electronic Science in Imagine 2013**

Sr.No.	Name of the students	Prizes	Name of the project
1	Deshmukh Amar M	1 <sup>st</sup> prize	GPS Based Bicycle Track System
2	Upadhyay Bhavin C	2 <sup>nd</sup> prize	Discriminator
3	Patil Asmita B	3 <sup>rd</sup> prize	Automatic Water Irrigation Pump Control System



**Project Competition Imagine organised on 27<sup>th</sup> February 2013, Ms. Kalpana Kedar explaining project to chief Guest Prof. J.V. Khedkar, Principal Dr. R.S. Zunjarrao and Vice Principal S. R. Chaudhari**



**First Prize winner Project Imagine -2013 "GPS Based Bicycle Track System"**

1. S.Y./T.Y. B.Sc. Project Competition and Poster presentation.
2. Project competition and poster presentation for S.Y. and T.Y. students was organised on 27<sup>th</sup> February 2013. Students of Vocational course Computer Hardware and Network presented nice posters / demonstrations in this competition.
3. For better exposure to industry & institute, every year department organizes educational trips /tours. This year department has successfully organized one / two day's trips at different places. These are listed as below.

Place	Staff Members	Students	No. of Days
KISAN Exhibition at Moshi	Prof. B.B. Yenage Prof. R.V. Vidap	16 UG students	December 2012
DIPEX, COEP ground Pune.	Prof. G.M. Tarate Prof. Umesh Kothavade Prof. K.K.Hole	40 PG Students	March 2013
Wai Industrial Area and Pratapgad	Prof. T.B. Sonawane Prof. T.R. Kumbhar	T.Y.B.Sc.	December 2012

4. Guest Lectures Organized during academic year 2012-13.

Sr. No.	Name of Expert	Industry	Topic
1	Bhasker Safar	BSNL Pune	GSM
2	Dr. A.D. Shaligram	HOD, Electronic Science. Dept University of Pune	Fun in learning Electronics
3	Dr. Satish Sharma	Head, Department of Electronic Science, Nagpur University, Nagpur on 6 <sup>th</sup> September 2012	PC based instrumentation
4	Dr. Umesh Hivarkar	IGATE, Pune	Digital Signal Processing
5	Mr. Mangesh Dayaphule	Project Staff, CMET, Pashan road, Pune	Computer Networking

**12. Project Collaboration with industry and institutes:**

Name of Student	Name of Project and Institute
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Mr. Yogesh Nakate	e-Prayog virtual Lab (Electronics )IIT Bombay,
Gaurav Mohol	Department of Electronics university of Pune and GMRT Khodad

- **Research, Paper Presentation by Staff Members**

1. Prof. T.R. Kumbhar authored a paper entitled "FPGA Implementation of Fuzzy Logic Controller for Temperature Control" in *International Journal of Computer Applications* 62(20):19-23, January 2013.
2. Prof. T.B. Sonawane authored a paper entitled "dsPIC based SPWM controlled Three Phase Inverter Fed Induction Motor Drive" in *International Journal of Computer Applications (0975 – 888) Volume 47– No.16, June 2012*

- **Workshop, National, Seminar Participation by the staff members**

1. Prof. P.S. Varade, A.V. Kamble actively participated in one day workshop on 'F.Y.B.Sc. (Comp. Sc.) Electronic Syllabus reframing, organized by Fergusson College on 1<sup>st</sup> December 2012.
2. Prof. P.S. Varade actively participated in one day workshop on Co-Operative learning, organized by Modern College , Pune-5.
3. Prof. S.R. Chaudhari, Prof. B. B.Yenage, T.R. Kumbhar, R.V. Vidap, actively participated in one day workshop on 'F.Y.B.Sc. /F.Y.B. Sc (Comp. Sc.) Electronic Syllabus reframing, Organized by Abasaheb Garware College on 4<sup>th</sup> March 2013.
4. Prof. S.R. Chaudhari ,Prof. B. B.Yenage , Prof. D. B. Gaikwad , Prof. G. M. Tarte, U.N. Kothavade and K.K. Hole actively participated in one day workshop on 'preparation and implementation of M.Sc. Electronic Science Syllabus as per choice based credit system , Organized by Fergusson College on- 26<sup>th</sup> Feb. 2013.
5. Prof. S.R. Chaudhari ,Prof. G. M. Tarte actively participated in state level one day workshop on 'choice based credit system, Organized by C.T. Bora college, Shirur on 16<sup>th</sup> Jan. 2013.
6. Prof. S.R. Chaudhari ,Prof. G. M. Tarte. Actively participated in one day workshop on 'preparation and implementation of P.G. courses in colleges affiliated to university of Pune, Organized by Garware College on 13<sup>th</sup> Feb. 2013.
7. Prof. U.N Kothavade Participated in One week ISTE approved National workshop on Embedded System Design using PIC microcontroller at Pune Institute of Computer Technology, Pune from 18<sup>th</sup> to 22<sup>nd</sup> June 2012
8. Prof. U.N Kothavade was resource person for the training programme on Reconfigurable Digital System at Pune Institute of Computer Technology, Pune from 6<sup>th</sup> to 7<sup>th</sup> October 2012

- **Activities & Support from Alumni:**

Our Undergraduate and Post graduate past student visits to department at various occasions .Particularly students from Vocational course contributes in practical training to students and Post graduate students guides the students regarding placements and technology revolutions in various fields of electronics.

Judges for the competition (Department Alumni) for Imagine 2013.

Sr.No.	Name of the students	Company	Designation
1	Mr. Mangesh Dhayaphule	CMET	Project Staff 1
2	Mr. Dinesh Sapkal	Theeta control	Embedded design Engineer
3	Mr. Swapnil Shintre	Mypin	Embedded Systems Design Engineers
4	Mr. Rinkal Ahire	Specific Mecatronics	R&D Engineer Hardware Lab
5	Mr. Akshay Gadariya	C.T.Bora College, Shirur	Lecturer
6	Miss Kunti Magar	CMET	Project Staff 2
7	Mr. Sunil Pachore	CDAC (Mumbai )	Student



**Electronic Science Alumni as Project evaluator at Imagine 2013**

- **Achievements by students**

- (1) Following students participated in Avishkar Project Competition organized by University of Pune, in Fergusson College, Pune-40 on 10<sup>th</sup> December 2012.

Sr.No.	Name of the students	Class	Name of the project
1	Miss. Patil Asmita B Miss. Agbote Shubhangi V	M.Sc. Electronic Sc.	Automatic Water Irrigation Pump Control System
2	Mr. Sargar Kapil Mr. Shashank Langi	M.Sc. Electronic Sc.	Emergency Vehicles detection on traffic light



P.G. students participated in Avishkar Project Competition organized by University of Pune, in Fergusson College, Pune-4 On 10th December 2012 along with Prof. Umesh Kothavade.

- (2) Following students participated at National level technical festival INTECHXICATION 2013, at MIT Pune during 22, 23 February 2013.

Sr.No.	Name of the students	Prizes	Participation
1	Mr. Yogesh Nakate	2 <sup>nd</sup> prize win	Assembly Language Programming
2	Upadhyay Bhavin C		

- (3) Following students participated at National level technical festival INTECHXICATION 2013, Robot competition (Line follower robot) event at MIT Pune during 22, 23 February 2013.

Sr.No.	Name of the students	Selected for Final round out of 12 teams.
1	Langhi Shashank	
2	Rupesh khatpe	
3	Upadhyay Bhavin C	
4	Gaurav Mohol	

• **Achievements by staff members**

1. Prof. S.R. Chaudhari is appointed as coordinator of Star College Scheme, awarded to our college by DBT, Govt. of India.
  2. P.S.Varade appointed as area coordinator for NSS Shivajinagar area and program officer post graduate unit university of Pune
  3. A.V.Kamble topped in PET in Electronics 2012 of Solapur University and registered for Ph.D.
  4. A.V.Kamble promoted to colonel rank on 18<sup>th</sup> October 2012
  5. B.B.Yenage received outstanding performance award from NCC GP Hq, Pune on 24<sup>th</sup> November 2012
  6. B.B.Yenage promoted to captain rank on 18<sup>th</sup> October 2012
  7. Prof. M.R. Bodke registered for his Ph.D. degree in Electronic Science.
  8. P.S.Varade work as organized member for International conference organized by Department of English
  9. P.S.Varade work as organized member for National conference organized by Department of Statistics.
  10. P.S.Varade participated the activity entitled 'Ek divas shetisati shetkayrachya hitasathi' organized by VANRAI (Mohan Dahariya).
  11. P.S.Varade worked as panel member for the selection of assistant professor at H.V. Desai College.
  12. P.S. Varade Worked as an Examiner for Ganesh Mandals during Ganesh Festival
  13. D.B. Gaikwad worked as a resource person in 2 day training programme on Reconfigurable Digital Systems on 6-7 Oct. 2012 at PICT College of Engineering Pune.
  14. G.M Tarte worked as coordinator for Imagine 2013 poster & Project presentation and competition organized by SPEED in collaboration with PG Association Modern College Pune-5.
  15. P.S. Varade worked as a panel member for SRD/NRD pre selection camp organized by NSS Unit, Pune University.
  16. Prof. S.R. Chaudhari worked as organizing member in National and International workshops organized by our college.
- During this academic year Shri V.C. Bhide retired on 31<sup>st</sup> January 2013 by completing 33 years of service at our department. Ms. Isha Pingale and Ms. Minal Phalke worked as teacher at B.Sc. Computer Science wing and Mr. Mangesh Dayaphule worked as visiting lecturer for Vocational course. Dr. Umesh Hiverkar is research guide at our research centre and conducts lectures for post Graduate course.

**S. R. Chaudhari**  
Head,  
Dept. Electronic Science

## Department of English

1. **Name of the department:** Department of English
2. **Year of Establishment:** 1970
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):**  
B.A. English  
M.A. English
4. **Names of Interdisciplinary courses and the departments/units innvolved:** Nil
5. **Annual/ semester/choice based credit system (programme wise):**  
B.A. English: Annual Pattern  
M.A. English: Semester Pattern
6. **Participation of the department in the courses offered by other Departments:**  
**Participation in teaching to:**
  - B.Sc. Bio-Technology and M.Sc. Zoology.
7. **Courses in Collaboration with Universities/Industries/Foreign Institutions:**
  - Blended English Course with the British Council Library,

- A course in Translation Studies in collaboration with BITS, Pune, for PG students
- Technoknit, Pune, conducts training sessions for MA students

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

**9. Number of Teaching posts:**

Post	Sanctioned	Filled
Professors	-	-
Associate Professor	1	1
Assistant Professor	4	4

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

Name	Qualification	Designation	Specialization	Experience	No. Of Ph.D students guided
Prof. Mrs. Alka A. Kamble	M.A.(Pursuing Ph.D)	Head of the Department	ELT / Dalit & Marginalised Feminism	18 years	-
Prof.Dipali Lodh	M.A. SET	Asst. Prof.	Literature	5 years	-
Prof.Pallavi S. Math	M.A. SET	Asst.Prof.	Literature	3 years	-
Prof.Sangita Sarma	M.A., M.Phil.,L.L.B, L.L.M	Asst.Prof.	Language & Literature	8 Years	-

**11. List of Senior Visiting Faculty**

- Dr. P. F. Patil, Formar Principal, Arts, Science and Commerce, Lasalgaon, Dist.Nasik.
- Dr. Deepaneeta Bhanja, Modern College of Arts, Science and Commerce, Ganeshkhind, Pune-7
- Dr. Triveni Goswami Mathur, Freelancer Teacher and Creative Writer, Director, Symbiosis Studies of Mass Media, Pune.

**12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:**

B.A. English: Nil

M.A. English: 25%

**13. Student Teacher Ratio (Programmewise)**

B.A. English: 20:1

M.A. English: 16:1

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

One post of Faculty Clerk, in the college office is sanctioned and filled.

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

Qualification	PG	M.Phil.	Ph.D.	D.Litt.	D.Sc.
No. of Staff	4	1	-	-	-

**16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:**  
Nil

**17. Departmental projects funded by DST – FIST, UGC, DBT, ICSSR, etc. and total grants received: Nil**

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

Few of the staff members are actively involved in research and research publications. The department intends to apply for the Research Centre in the near future.

**19. Publications:**

Name of the faculty	Papers			Books			Total publications
	International	National	Presented in Conference	International	National/ Local	Book chapter	
Prof. Mrs. Alka A. Kamble	-	-	3	-	-	-	3
Prof.Dipali Lodh	-	-	6	-	-	-	6
Prof.Sangita Sarma	-	-	2	-	-	-	2

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

**21. Faculty as members in**

**a) National committees :**

**b) International Committees**

Prof. Alka Kamble is associated with Roctract International for coordinating various programmes for stuents in the college.

**c) Editorial Boards**

Prof. Alka Kamble

- Associated with Dr. Nicole Thiara, Center for Postcolonial Studies, Nottingham Trent University, UK.
- Member of the Editorial Board of an international conference on 'Employabilty Enhansment through proficiency in Indian and foreign languages'.
- Member of HR Lingua, New Delhi, Association of Language Professionals regarding language employability.

**22. Student projects**

- a) Percentage of students who have done in house projects including inter departmental/programme: Nil  
 b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: Nil

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

Two students from the department have received the 'Best Student Award' of the college.

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

- Prof. W.N.Herbert, Professor of Creative Writing and eminent poet
- Leah Guren, Owner of Cow T.C., Israel, associated with World Technical Writing Association
- Prof. Christina DeCoursey, HongKong Polytechnic, HongKong
- Dr. Roger Nunn, Petroleum University, Abu Dhabi.
- Dr. Dhirawit P Nathangarn, Suranaree University, Thailand
- Dr. Rajul Bhargava, Jaipur University, Jaipur

**25. Seminars/Conferences/Workshops organised and the source of funding**

a. **International:** International Conference on 'Employability Enhancement through proficiency in Indian and foreign languages', funded by ICSSR, Delhi and BCUD, Pune University, Pune.

**b. State:**

- Workshop organised in January 2011, on Career Opportunities in Languages in association with the daily newspaper Maharashtra Times, Pune.
- Workshop arranged on Review Writing

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

Name of the Course/programme	Application received	Selected	Enrolled		Pass %
			M	F	
2010- 2011	239	234	143	91	100.00
2011-2012	246	227	124	103	100.00
2012-2013	282	271	152	119	100.00

**M.A.**

Name of the Course/programme	Application received	Selected	Enrolled		Pass %
			M	F	
2010- 2011	95	60	28	32	100
2011-2012	98	60	35	25	100
2012-2013	110	60	20	40	100

**27. Diversity of Students:****B.A.**

Year	% of students from the same state	% of students from other States	% of students from abroad
2010-2011	100	Nil	Nil
2011-2012	98.24	1.32	0.44
2012-2013	97.82	1.82	0.36

**M.A.**

Year	% of students from the same state	% of students from other States	% of students from abroad
2010-2011	94.87	4.27	0.85
2011-2012	97.37	0.88	1.75
2012-2013	95.54	3.57	0.89

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

**29. Student progression**

Student progression	Against % enrolled
UG to PG	70%
PG to M.Phil	05%
PG to Ph.D	05%
Ph.D to Post-Doctoral	-
<b>Employed</b>	
• Campus selection	10%
• Other than campus Recruitment	50%
Entrepreneurship/Self-employment	30%

**30. Details of Infrastructural facilities:**

- a) Library: Common library  
 b) Internet facility for staff and students: Available, 10 mbps leased line

- c) Class room with ICT facility: Available  
 d) Language laboratories: Available (10 cubicles with PCs on which Language Lab Software is installed)

**31. Number of students receiving financial assistance from college, University, government or other agencies:**

The figures represent the total number of students of the Arts Faculty and Post Graduate students of the department.

Year	Total number of students
2010-11	68
2011-12	36
2012-13	83

- Nothagarn- Surenaree University, Thailand, and Sandeep Nulkar- BITS, Pune, for North-East Student who is first in MA
- Postmatric Scholarship for students from North-East regions, Funds given by Dr. Dhirawit P.

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

- Conduct remedial coaching classes and workshops
- Association with BCL Pune for Blended English Course
- Spoken English Sessions for weak students

**33. Teaching methods adopted to improve student learning:**

- Group Discussion in M.A., S.Y.B.Sc.and T.Y.B.A. classes
- Film shows related to the literature prescribed
- Field visit: EFLU Hyderabad and Deccan College, Pune
- Reference skills study material for assignments and presentations
- Poster Competition
- 'Book Club' for undergraduate students.

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

Spoken English sessions for communicatevly weak students

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

**Strength**

- Team work
- Association with language industry professionals

**Weakness**

- Placement activity at departmental level needs to be strengthened.

**Opportunities**

- Ample scope for promotional activities in the area of multilingual communication skills, translation and interpretation skills

**Challenges**

- Meeting the requirements of multilingual communication skills emerging out of globaliaization process
- Genuine multifactorial limitations of the students coming from varied socio-economic background creates heterogeneity in the class and addressing the needs of all of them in the same class is a challenging task.

**Future Plans**

- To introduce new courses
  - A Certificate Course in Industrial Translation and Content Writing
  - Certificate Course in Appreciation of Literature
- To conduct the sessions for NET and SET examination preparation in the subject English Language and Literature
- Remuneartive services about counselling on career in languages

**Departmental Activity:**

- 1) An Exhibition "World of Literature" was organized on 14<sup>th</sup> September 2012. Students from UG and PG classes prepared charts, models, language games and book marks to introduce literary themes and personalities. Principal Dr. R.S. Zujarrao inaugurated the exhibition.
- 2) International Conference on "Employability Enhancement through Proficiency in Indian and Foreign Languages" was organized from 28<sup>th</sup> to 30<sup>th</sup> January 2013 in association with ICSSR, New Delhi, and UOP, Pune .It was inaugurated at the hands of Dr. Roger Nunn ( Prof. Department of English, Petroleum University , Abu Dhabi) and Dr. Pramod Talgeri ( Former VC.EFLU , Hyderabad, and VC, Multiversity. Pune).

Following Resource Persons presented their views of employment opportunities to the students of languages in various fields and the skills to be developed for various fields like Industrial and Technical Translation, Publication, Creative Writing, Intercultural aspects of Tourism and Hospitality Industry , BPO and IT Industry, Technical Writing etc.

- a) Dr. Dhirawit Pinyonattagarn – Head, Department of Translation Studies, Suranaree university, Thailand
- b) Dr. Christina De Coursey – Honkong University , Hongkong
- c) Dr. Thomas Caton – Nakamura University , Japan
- d) Ms. Leah Guren – CowTC, Tel Aviv , Israel
- e) Dr. Anja Hallacker --- Director DAAD
- f) Dr. Ravi Kumar --- President ITA, New Delhi
- g) Dr. Anagha Bhat - Department of German UOP

- h) Dr. Sumedha Desai -- Department of German UOP  
 i) Dr. Sundanda Mahajan - Department of German UOP  
 j) Dr. Pratibha Gopujkar – Orient Black Swan , Mumbai  
 k) Dr. Rajul Bhargava - Head, Department of English Rajstthan University, Rajsthan  
 l) Dr. S.B. Gokhale- Dept. of English UOP  
 m) Dr. Triveni Goswami Mathur – Freelance Creative Writer, Pune  
 n) Dr. Mrinal Dhogade – Tatsam Linguistic Services, Pune  
 o) Prof. Anil Sarwal – DAV College, Chandigarh  
 p) Dr. Sameeran Walwekar – Mass Media and Communication Studies, UOP  
 q) Dr. Sunita Dalwai – Director , Communication Studies , Shivaji University, Kolhapur  
 r) Mr. Sandip Nulkar – BITS, Pune  
 s) Mr. Rajiv Deosthali -- DGM, RBEL, Bangalore  
 t) Mr. Anthony Thomas - Director, English Academy, Pune  
 u) Mr. Abhiraj Purandare - Freelance Language Trainer, Pune  
 v) Dr. Swati Acharya - - Department of German UOP  
 w) Dr. Makhdooma Saddat -- Integral University , Lucknow  
 x) Ms. Anjaleena Soni – Kohinoor Business School, Pune  
 y) Ms. Janaki Waldraff Narkar – MaxMueller Bhavan , Pune  
 z) Mr. Makrand Pandit – Technowrites, Pune  
 aa) Mr. Abhijeet Wakhare – Technowrites, Pune  
 bb) Ms. Jagori Mukharjee - Technical Writer, Pune.

#### International Conference Photos:



## Department of Geography

- Name of the department:** Department of Geography
- Year of Establishment :** 1970
- Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):**  
 B.A. Geography  
 M.A./M.Sc. Geography
- Names of Interdisciplinary courses and the departments / units involved :**  
 The department is involved in the teaching and coordination of a course on 'Environment Awareness'.
- Annual / semester / choice based credit system (programme wise) :**  
 B.A. Geography : Annual Pattern  
 B.Sc. Geography : Semester Pattern  
 M.A./M.Sc. Geography : [Semester Pattern](#)
- Participation of the department in the courses offered by other departments:**  
 The faculty is involved in teaching Remote Sensing and GIS to the Post Graduate students of the Department of Botany.
- Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil
- Details of courses / programmes discontinued (if any) with reasons :** Nil
- Number of Teaching posts:**

	Sanctioned	Filled
Professors	-	-
Associate Professors	02	02
Asst. Professors	02	02

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

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students Guided for the last 4 year
Dr. Mrs. N. J. Kulkarni	M.A., A(Mar), M.Phil., Ph.D	Associate Professor	Economic Geography	35	-
Dr. V. B. Kamble	M.A., M.Ed. Ph.D., SET	Associate Professor	Economic Geography	25	-
Prof. N. L. Wayal	M.A., NET	Assistant Professor	Economic Geography	09	-

Dr. A. E. Sonawane	M.A., B.Ed., SET, Ph.D.	Assistant Professor	Population Geography	06	-
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**11. List of senior visiting faculty :**

- Dr. S. W. Gaikwad, S.P. College, Pune.
- Dr. J. A. Jadhav, D.Y.Patil College, Pimpri, Pune.

**12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:**

U.G.: 34% lectures and 25% Practicals.  
P.G.: 33% lectures and 50% Practicals.

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

UG.: 20: 1  
PG.: 12: 1

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

One post of Faculty Clerk, in the college office is sanctioned and filled.

Technical	Sanctioned	Filled
Class 3	1	1
Class 4	2	2

**15. Qualification of teaching faculty with D.Sc./ D.Litt./ Ph.D./ M.Phil. / P.G.**

Qualification	PG	M.Phil.	Ph.D.	D.Litt.	D.Sc.
No. of Staff	1	-	3	-	-

**16. Number of faculty with ongoing projects from a) national b) International funding agencies and grants received :**

One (National), Rs, 1,40,000/-

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

Prof. N. L. Wayal: 'Ground Water Management for Sustainable Agricultural Development: A case Study of Akole Tahsil District Ahamednagar, Western Maharashtra'. Funds granted Rs. 1,40,000/- by UGC under Minor Research Project.

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

The staff members are actively involved in the research activities. However, the department is yet to be recognized as a Research Centre in Geography by the Pune University, Pune.

**19. Publications :**

Name of the faculty	Papers			Books			Total publications
	International	National	Presented in Conference	International	National/Local	Book chapter	
Dr.Mrs. N.J.Kulkarni	1	-	1	-	6	-	8
Dr. V.B. Kamble	-	-	2	-	-	-	2
Dr. A. E. Sonawane	-	5	1	-	1	-	7

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

Every year, the department conducts village surveys at nearby villages. The finding of socio-economic nature from such surveys are discussed with the villagers and they are advised to take appropriate measures to overcome the problems they face. This consultancy by the department is of non-remunative nature.

**21. Faculty as members in**

- National committees
- International Committees
- Editorial Boards

Sr.	Name	Membership
1.	Dr. Smt. N. J. Kulkarni	Life Member of <ul style="list-style-type: none"> <li>• Indian Institute of Geography</li> <li>• National Geographer Association India</li> </ul> <ul style="list-style-type: none"> <li>• Deccan Geographer</li> <li>• Maharashtra Bhoogol Shastra Parishad</li> <li>• Member of Editorial Board of 'Earth Exploration', Research Journal July, 2011.</li> </ul>
2.	Prof. N. L. Wayal	Maharashtra Bhoogol Shastra Parishad
3.	Dr. A. E. Sonawane	Maharashtra Bhoogol Shastra Parishad

**22. Student Projects :**

- Percentage of students who have done in house projects including inter departmental/programme: Nil
- Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: Nil

**23. Awards / Recognitions received by faculty and students: Nil****24. List of eminent academicians and scientist / visitors to the department:**

- Dr. V.C. Vaidya, JNU, New Delhi.
- Dr. Praveen Saptarshi, Indsearch Institute
- Dr. Abhay Deswandikar, IB, Australia

- Dr. Ramhotra, Head, Department of Geography, Shivaji University, Kolhapur.
- Dr. Y. S. Khan, Department of Geography, Solapur University, Solapur.
- Dr. Mrs. P. S. Arkasali, Head, Department of Geography, Mahatma Phule College, Pimpri, Pune.

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

- a) **National:** Nil  
b) **International:** Nil; **State:** 01
- 'A state level conference on Role of Tourism in the Regional Development' was organized on 27<sup>th</sup> and 28<sup>th</sup> February 2012. It was sponsored by BCUD University of Pune (Under Quality Improvement Programme). One hundred and twenty five participants attended the conference and nearly fifty research papers were presented in the conference.
  - The department had organized two days workshop on SET and NET Examinations on 27<sup>th</sup> and 28<sup>th</sup> October 2010.

## 26. Student profile programme / course wise :

**B.A.**

Name of the Course/programme	Application received	Selected	Enrolled		Pass %
			M	F	
2010- 2011	239	204	134	79	57.89
2011-2012	246	207	111	96	56.52
2012-2013	282	251	141	110	95.00

**M.A./M.Sc.**

Name of the Course/programme	Application received	Selected	Enrolled		Pass %
			M	F	
2010- 2011	77	26	15	11	86.66
2011-2012	65	24	18	6	85.71
2012-2013	89	24	13	11	95.00

## 27. Diversity of Students

**B.A., B.Sc., B.Com**

Year	% of students from the same state	% of students from other States	% of students from abroad
2010-2011	100	Nil	Nil
2011-2012	98.24	1.32	0.44
2012-2013	97.82	1.82	0.36

**M.A./M.Sc.**

Year	% of students from the same state	% of students from other States	% of students from abroad
2010-2011	100.00	0.00	0.00
2011-2012	100.00	0.00	0.00
2012-2013	97.73	2.27	0.00

## 28. How many students have cleared national and state competitive examination such as NET,SLET,GATE, Civil Services, Defense Services, etc.?:

NET / SET Qualified Students: 09

## 29. Student progression :

Student progression	Against % enrolled
UG to PG	10 %
PG to M.Phil.	-
PG to Ph.D	1%
Ph.D to Post-Doctoral	-
<b>Employed</b>	
• Campus selection	-
• Other than campus recruitment	20%
Entrepreneurship/ Self-employment	-

## 30. Details of Infrastructural facilities :

- Library: Central library with separate section of Geography and also departmental library with 366 Books. Digital library is also available.
- Internet facilities for staff & students: Internet facility is available for staff and students with 10 Mbph internet connection.
- Class rooms with ICT facility: Yes
- Laboratories : 03 equipped with ICT facility

## 31. Number of students receiving financial assistance from college, University Government or other agencies:

The figures represent the total number of students of the Arts Faculty and the Post Graduate students of the department.

Year	Total number of students
2010-11	51

2011-12	35
2012-13	82

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

#### Enrichment Programme

- Career development programme in NET/ SET: 27<sup>th</sup> and 28<sup>th</sup> October, 2006.
- Research in Social Sciences.
- Competitive Exam Guidance Workshop: - 17<sup>th</sup>, 18<sup>th</sup> and 27<sup>th</sup> January, 2011.

#### Experts :

Shri. Amol Gaikwad                      Prof. Yusuf Shaikh  
 Shri. R. K, Kane                         Prof. Tukaram Jadhav  
 Prof. Sachin Thiswandkar   Prof. Ramesh Dhumal

One day workshop on 'Application of GIS in Population and Settlement Planning and Management' on 5<sup>th</sup> February 2011.

### 33. Teaching methods adopted to improve student learning:

- Chalk and talk method
- Use of ICT
- Discussion Method
- Film show on certain topics

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

- A rain water harvesting unit installed by the college is maintained by the Department of Geography.
- Village Surveys are completed to find out Socio-economic characteristics and problems.

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

#### Strength :

- Well qualified and experienced staff
- Enriched collection of departmental books, periodicals and equipments
- Well-equipped and upgraded laboratories.
- Abundant educational aids for teaching Geography.

#### Weakness:

- Constraints arising out of syllabus.
- Traditional evaluation method as per the university policy.
- Placement activity at departmental level needs to be strengthened.

#### Opportunities:

- Shaping the careers of students through self-employment courses like Travel and Tourism, GIS, etc.
- Soft skill development programmes to improve overall development of the student
- Improving communication skills of students of Geography to facilitate their employment prospects

#### Challenges:

- To improve overall personality of students
- To inculcate research aptitude among the students
- Genuine multifactorial limitations of the students coming from varied socio-economic background creates heterogeneity in the class and addressing the needs of all of them in the same class is a challenging task.

#### Future Plans

- Certificate Course in GIS
- Certificate Course in Travel and Tourism
- Post Graduate Research Centre in Geography
- Research Annual in Geography

#### Departmental Activity:

Department of Geography conducted academic and other activities smoothly in the year 2012-2013. In addition to classroom teaching various other activities were conducted by the department at various levels.

#### Excursion Tours and Village Survey

1. Village survey of Tahmini Bk. was conducted by the department in September 2012 and village survey report was prepared by students. All the members of the staff and post graduate students also participated in the village survey.
2. On 10<sup>th</sup> Oct. 2011 a study tour was arranged for M.A. I Geography at Mahabaleshwar, accompanied by Dr. V. B. Kamble, Prof. Yogesh Deshpande, Prof. Manasi Desai and Shri. D. M. Raut.
3. On 5<sup>th</sup> Jan 2013 an excursion tour was arranged for S.Y.B.A. and S.Y.B.Sc. (Geography Special) students at Nagaon / Kihim accompanied by Dr. Nayana Kulkarni, Prof. Vilas Kamble, Prof. N. L. Wayal and Shri. D. M. Raut.
4. On 16<sup>th</sup> Jan 2013 an excursion tour was arranged for T.Y.B.A. students at Alibag-Kihim accompanied by Dr. Nayana Kulkarni, Prof. Vilas Kamble and Shri. D. M. Raut.
5. On 23<sup>rd</sup> Feb. 2013 a study tour was arranged for Junior wing students at Harihareshwar accompanied by Prof. Salunke M. S., Prof. Alhat V. B., Mrs. Ketaki Nazirkar and Sangita Kudale .

#### Achievements of Teachers:

1. Prof. V. B. Alhat was honoured by the best teacher award by Progressive Education Society.

#### Guest Lectures

1. A lecture on "Tsunami-In Relation to Plate Tectonic Movements" was delivered by Prof. Anil Dandekar on 10<sup>th</sup> Sept. 2012.
2. A lecture on "Applications of GIS" was arranged for post graduate students on 4<sup>th</sup> Oct. 2012. The lecture was delivered by Dr. Chavan.

A lecture on "Explore the World of Travel" was delivered by Mrs. Mrunal Joshi on 12<sup>th</sup> Feb.2013.

## Department of German

1. **Name of the department:** Department of German
2. **Year of Establishment:** 2010
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**  
B.A. German (General): 2010
4. **Names of Interdisciplinary courses and the departments/units involved:** Nil
5. **Annual/ semester/choice based credit system (programme wise)**  
B.A. German: Annual Pattern
6. **Participation of the department in the courses offered by other departments:** Nil
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.**
  - A1 and A2 courses in collaboration with Max Mueller Bhavan, Goethe Institute.
  - Summur course in German Language with the support of Humboldt University, Berlin.
8. **Details of courses/programmes discontinued (if any) with reasons:** Nil
9. **Number of Teaching posts.**

	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Asst. Professors	2	1

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

Name	Qualification	Designation	Specilization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Prof. Sanjeevani Kuvalekar	M.A.	Asst. Professor	German	36	-

11. **List of senior visiting faculty**

Dr. Sunanda Mahajan, Professor, Department of German, Pune University, Pune.

12. **Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty**

B.A. German : 35%

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

BA : 20:1

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

One post of Faculty Clerk, in the college office is sanctioned and filled.

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

Qualification	PG	M.Phil.	Ph.D.	D.Litt.	D.Sc.
No. of Staff	1	-	-	-	-

16. **Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:** Nil

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

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

19. **Publications:**

Name of the faculty	Papers			Books			Total publications
	International	National	Presented in Conference	International	National/ Local	Book chapter	
Prof. Sanjeevani Kuvalekar	-	-	-	-	4	-	4

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

21. **Faculty as members in**

a) **National committees :** Mrs. Sanjeevani Kuvalekar is a member of Der Indische Deutschlehrerverband (InDaF).

b) **International Committees:** Mrs. Sanjeevani Kuvalekar is a member of PASCH (Partner Schulen, Germany)

- c) **Editorial Boards:** Member of Editorial Committees of Tilak Maharashtra Vidyapeeth and Member of Maharashtra State Board

## 22. Student projects

- a) **Percentage of students who have done in house projects including inter departmental/programme:**
- Twelve students participated in a project on Environment (Waste Management) in collaboration with Goethe Institute, Bangalore. (2012-2013)
- b) **Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies:** Nil

## 23. Awards/ Recognitions received by faculty and students

- Member of Board of Studies for German Language in Tilak Maharashtra Vidyapeeth.
- Convener, Board of Studies of Foreign Languages, Maharashtra State Board.

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

- Dr. Christoph Senft (DAAD)
- Dr. Anja Hallacker (DAAD)
- Dr. Sunanda Mahajan, Department of German, Pune University, Pune.

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

- a. **National:** Nil
- b. **International:** International Conference on Employability Enhancement through proficiency in Indian and foreign languages (Funding from ICSSR and Pune University).

## 26. Student profile programme/course wise:

Name of the Course/programme - B.A. German	Application received	Selected	Enrolled		Pass %
			M	F	
2010- 2011	7	7	3	4	-
2011-2012	8	8	0	8	-
2012-2013	9	9	4	5	100

## 27. Diversity of Students

### B.A.

Year	% of students from the same state	% of students from other States	% of students from abroad
2010-2011	100	Nil	Nil
2011-2012	98.24	1.32	0.44
2012-2013	97.82	1.82	0.36

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

## 29. Student progression

Student progression	Against % enrolled
UG to PG	---
PG to M.Phil	---
PG to Ph.D	---
Ph.D to Post-Doctoral	---
<b>Employed</b>	
• Campus selection	---
• Other than campus Recruitment	---
Entrepreneurship/Self-employment	---

## 30. Details of Infrastructural facilities

- a) **Library:** Departmental Library available with approx. 60 books, and audio visual aids
- b) **Internet facilities for Staff & Students:** Yes
- c) **Class rooms with ICT facility:** Yes
- d) **Laboratory:** Yes

## 31. Number of students receiving financial assistance from college, university, government or other agencies

The figures represent the data of the Arts Faculty.

Academic year	Number of students
2010-11	42
2011-12	23
2012-13	63

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

- An innovative activity 'Stamm Tisch', under which the students of German Special from Modern College, Fergusson College and S.P.College meet every Saturday at 5.00 pm in Kamal Nehru Park and interact in German language on a

particular topic in the presence of a native German and German teachers. Students learn German through games and songs under this activity.

- Lectures by German Experts for Students of Modern College, S.P. College and Ferguson College on the topic 'German Culture'.
- Cultural Activity: Christmas Celebration, where German learning students from India, Afghanistan and Mauritius presented ways of Christmas celebration in their countries.

### 33. Teaching methods adopted to improve student learning

- Interactive Teaching with the use of audio-visual aids and internet.

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

- Twelve students participated in a project on Environment (Waste Management) in collaboration with Goethe Institute, Bangalore (2012-2013).

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

#### Strength

- Add on language courses
- Support through MOU of PASCH & college authorities
- Good collection of books & teaching aids
- Organization of workshops, conferences & lectures by experts

#### Weakness

- Shortage of adequate competent faculty
- Placement activity at departmental level needs to be strengthened.

#### Opportunities

- To have MOUs with foreign universities
- To establish Foreign Language Cell which will be beneficial for all professional courses like engineering
- To attract students other than Maharashtra & India

#### Challenges

- Floating faculties
- Genuine multifactorial limitations of the students coming from varied socio-economic background creates heterogeneity in the class and addressing the needs of all of them in the same class is a challenging task.

#### Future Plans

- To undertake research projects and involve students in research
- To start a Film Club
- To develop collaborations with other German Universities for research projects
- Collaborating with the Max Mueller Bhavan, the department will be offering Level 2 and Level 3 courses in German language.
- To have Faculty Exchange Programme with German, Austrian and Swiss universities

#### Departmental Activity:

Today, the world in the 21<sup>st</sup> century has become a global village. Young Indian professionals are fanning out across the globe for taking up assignments in different fields, be it finance, engineering, humanities or research in pure sciences. Today, even those who do not venture overseas need to know a foreign language in view of lucrative job opportunities being offered by multinational companies in India. In this context, learning of German has great importance. Realizing this need of the hour Department of German organizes many activities as well as participates in many activities for the development of students.

- An International Conference on "Employability Enhancement through Proficiency in Indian and Foreign Languages" was organized from 28<sup>th</sup> to 30<sup>th</sup> Jan. 2013 wherein many experts from academics and industry presented either their research papers or delivered speeches on this important topic.
- On 19<sup>th</sup> August 2012 Katharina Klein, an intern from Göttingen University, Germany did an interactive presentation for our students on "Opportunities of Higher Studies in Göttingen"
- On 24<sup>th</sup> October Verena Zimmermann conducted a session on German Music for our certificate students.
- On 28<sup>th</sup> December 2012 Eleonara Wondratsch an intern from Austria did a presentation on "German Festivals"
- Our many students attended German Film Festival organized by PASCH.
- In April and November 2012 our 12 students successfully completed German Youth Camp organized by PASCH.
- Malhar Mone was selected for the prestigious PAD scholarship and went to Germany in June to attend German School.
- Gayatri Achyut stood first in the Pune district essay competition organized by MMCC, Pune.
- Samrat Mandlik and Shubham Salokhe of F.Y.B.Com presented their environmental project in the conference "Greening with Goethe" which was organized by Max Mueller Bhavan, Bangalore. During this event our students got golden opportunity to interact with the great scientist and our ex-President Dr. Abdul Kalam.
- The year 2013 was declared by German Embassy as a year of completion of India-Germany Diplomatic Relationship. On this occasion the event Indo German Urban Mela was organized. Our students Manoj Joshi and Prachi Atre performed an extract from Bertolt Brecht's play "Caucasian's Chalk Circle"
- We conducted A1 and A2 certificate courses in German successfully Its result is 100%. These are internationally recognized exams.
- In November 2012 a delegation of educationists was invited by German Embassy Delhi to visit Germany's vocational training centres. Sanjeevani Kuvalekar was invited for this on behalf of the Maharashtra Board of Secondary and Higher

Secondary Education. It was a rare opportunity to observe how Germany's dual system of education functions, how the vocational training is integral part of the education. She worked as a co-ordinator for international conference of languages.

- In August Sanjeevani Kuvalekar, Shilpa Rege and Alka Kulkarni participated in the seminar on orthography organized by PASCH.

**Greening with Goethe: Conference on Environment  
December 1 to December 3, 2012**



Samrat Mandlik and Shubham Salokhe with the Mrs Sangale, project manager



Interaction Between DR.APJ Abdul Kalam (Ex-president) and Shubham Salokhe (F.Y.BCOM-2013)



## Department of Hindi

1. **Name of the department:** Department of Hindi
2. **Year of Establishment:** 1970
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** B.A. Hindi (Special): 2006
4. **Names of Interdisciplinary courses and the departments/units involved:** Nil
5. **Annual/ semester/choice based credit system (programme wise) :**  
B.A.: Annual Pattern, F.Y.B.Com.: Annual Pattern
6. **Participation of the department in the courses offered by other departments:** Nil
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.**  
Nil
8. **Details of courses/programmes discontinued (if any) with reasons:** Nil
9. **Number of Teaching posts**

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

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

Name	Qualification	Designation	Specialization	No. of Years of	No. of Ph. D Students
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				Experience	guided for the last 4 years
Prof. Sunita D Purohit	M.A. B. Ed	Head of the Department	Hindi Literature	36	NA

11. List of senior visiting faculty: Nil

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: Nil

13. Student -Teacher Ratio (programme wise)

B.A.: 20:1

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

One post of Faculty Clerk, in the college office is sanctioned and filled.

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

Qualification	PG	M.Phil.	Ph.D.	D.Litt.	D.Sc.
No. of Staff	1	-	-	-	-

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

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

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

19. Publications:

Name of the faculty	Papers			Total publications
	International	National	Presented in Conference	
Prof. Sunita D. Purohit	2	2	-	4

20. Areas of consultancy and income generated : Nil

21. Faculty as members in

a) National committees

b) International Committees

c) Editorial Boards

- Prof. Sunita Purohit is a member of Board of Studies in Hindi and Examination Board at St. Mira's College, Pune.
- Prof. Sunita Purohit was a member of Editorial Board of International Conference on Employability Enhancement through proficiency in Indian and Foreign languages, organized by the Language Departments of the college.

22. Student projects

a) Percentage of students who have done in house projects including inter departmental/programme: 30%  
Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies: Nil

23. Awards/ Recognitions received by faculty and students

Students

- First Prize for play and two prizes for Best Actor in a competition held by Maharashtra Rashtrabhasha Sabha, Pune. Prof. Sunita Purohit won the First Prize for direction.
- Miss Sujata Bhalerao, a student from SY BA got First Prize in essay writing competition organized by Poona College, Pune, in 2010. She also received First Prize in 2011 in an essay competition organized by Modern College, Ganeshkhind, Pune.

Teachers

Prof. Sunita Purohit:

- Awarded 'Best Teacher Award' by the Progressive Education Society, Pune-5, for the year 2012-13.

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

- Prof. S.M. Shah, Ex- Principal and President, Maharashtra Rashtrabhasha Sabha
- Dr. Kanti Lodhi, Head, Department of Hindi, N.Wadia College, Pune.
- Prof. Neela Mahadik, Department of Hindi, Garware College, Pune.
- Dr. Rajani Ranapise, Head, Department of Hindi, Fergusson College, Pune.
- Dr. Neela Borwankar, Head, Department of Hindi, Garware College, Pune.
- Dr. Shubhada Moghe, Head, Department of Hindi, Saint Meera's College, Pune.
- Dr. Omprakash Sharma, Department of Hindi, Garware College, Pune.
- Prof. Shailaja Mandke, Head, Department of Hindi, Garware College, Pune.
- Dr. Sunil K. Deodhar, Hindi Officer, Akashwani Kendra, Pune.
- Dr. Padmaja Ghorpade, Head, Department of Hindi, S.P. College, Pune.

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

- a. International: International Conference on 'Employability Enhancement through proficiency in Indian and foreign languages' (Funding from ICSSR and Pune University).

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

Name of the Course/programme - B.A. Hindi	Application received	Selected	Enrolled		Pass %
			*M	*F	
2010- 2011	239	75	33	42	100
2011-2012	246	88	46	42	100
2012-2013	282	89	35	54	100

**27. Diversity of Students****B.A.**

Year	% of students from the same state	% of students from other States	% of students from abroad
2010-2011	100	0	Nil
2011-2012	100	0	Nil
2012-2013	99.39	0.61	Nil

**28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc?: Nil****29. Student progression**

Student progression	Against % enrolled
UG to PG	50%
PG to M.Phil.	5%
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-
<b>Employed</b>	
• Campus selection	-
• Other than campus recruitment	5%
<b>Entrepreneurship/Self-employment</b>	-

**30. Details of Infrastructural facilities**

- a) **Library:** Centralized Library  
b) **Internet facilities for Staff & Students:** Yes  
c) **Class rooms with ICT facility:** Available  
d) **Laboratories:** Language laboratory available

**31. Number of students receiving financial assistance from college, university, government or other agencies:**

The figures represent the total number of students of Arts Faculty.

Academic Year	Total number of students
2010-11	42
2011-12	23
2012-13	63

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

- Essay and Advertisement Writing Competition (2010-2013)
- Expert Lectures for students. (2010-2013)

**33. Teaching methods adopted to improve student learning:**

- Lectures, discussions in classes, Group Activities, Competitions like Essay Writing, Grammar Workshops, and activities like 'Multiple Words for One'.

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

- Participation in various One-Act Plays for social awareness and current social issues, organized by Maharashtra Rashtrabhasha Sabha.
- Donations offered to various NGO's.

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

- A good collection of reference books on Hindi literature
- Contribution of the department faculty in co-curricular and extra-curricular activities

**Weaknesses**

- Limited job opportunities for students
- Placement activity at departmental level needs to be strengthened.

**Opportunities**

- To achieve proficiency in Hindi language and thereby contribute to National Integration

**Challenges**

- To overcome the difficulties in introducing Post Graduate course in Hindi
- Genuine multifactorial limitations of the students coming from varied socio-economic background creates heterogeneity in the class and addressing the needs of all of them in the same class is a challenging task.

**Future Plans**

- Hindi Translation Course
- Rajbhasha Hindi Course.

#### Departmental Activity:

Every year various competitions are organized by our department. This year in Sept. 2012, we organized an essay & advertisement writing competition for F.Y.B.A., S.Y.B.A. & F.Y.B.Com students. Prof. Parag Shah & Prof. Sunita Purohit were the examiners of this competitions. Following students got success.

#### Essay Competition:

Manisha Bahaddur – FYBA First Prize.

Pooja Banik and Afreen Khan – FYBA Second Prize.

Roona Kulkarni – FYBA Third Prize.

Deepali Raut – FYBA Consolation.

#### Advertisement Competition:

Tejaswini Dabhade – FYBcom First Prize.

Saili Sane and Afreen Sheikh – FYBcom. Second Prize.

Kamala Tak – FYBcom Consolation Prize.

- 14<sup>th</sup> September 2012: Celebrated Hindi Day and distributed prizes of essay and advertisement writing competitions at the hands of our chief guest Dr. Kanti Lodhi (HOD, Department of Hindi, Wadia College, Pune). Principal Dr. Rajendra Zunjarrao was the chairperson of this function. Dr. Naina Kulkarni (Vice Principal, Arts Faculty) attended this function and delivered a speech on this occasion. Dr. Kanti Lodhi delivered a speech on importance of Hindi Language in our life and presented some of her own poems. Deepali Raut and Pavitra Pawar compared this program. Prof. Manisha Kamtikar gave the vote of thanks.

#### Individual Activities by Prof. Sunita Purohit:

- 14<sup>th</sup> September 2012: Invited as a chief guest in Modern Girls Highschool, Pune on the occasion of Hindi Day.
- 15<sup>th</sup> September 2012: Participated in state level seminar organized by Abasaheb Garware College, Pune.
- 28<sup>th</sup> August 2012: Attended one day workshop on role of media and social changes organized by SP College, Pune.
- 28<sup>th</sup>-23<sup>rd</sup> January 2013: Worked as coordinator of International Conference on Employability enhancement through proficiency in Indian and foreign languages.
- 14<sup>th</sup> February 2013: Compared inaugural function of state-level seminar on Vinodi Katha – Swaroop ani Sadarikaran organized by Department of Marathi, Modern College, Pune-5.
- 16<sup>th</sup> and 18<sup>th</sup> February 2013: Worked as a paper setter in St. Miraz College, Pune.
- 1<sup>st</sup> March 2013: Delivered a talk on Dnyanpeeth Awardee Vinda Karandikar on AIR in Hindi Program Kalash.
- Prof. Manisha Kamtikar – 8<sup>th</sup> February 2013: Delivered a speech on novel Daud in Hindi Department of Fergusson College, Pune.



## Department of History

1. **Name of the department:** Department of History
2. **Year of establishment:** 1970
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):**  
B.A. History (Special)
4. **Names of Interdisciplinary courses and the departments / units involved:** Nil
5. **Annual/ semester/choice based credit system (programme wise):**  
B.A. History: Annual Pattern
6. **Participation of the department in the courses offered by other Departments:** Nil
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil
8. **Details of courses / programmes discontinued (if any) with reasons:** Nil
9. **Number of Teaching posts:**

Posts	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Assistant Professors	2 (1 FT, 1 PT)	2 (1 FT, 1 PT)

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

Name	Qualification	Designation	Specialization	Experience in years	No. of Ph.D. Students are working Under guidance for the last 4 years
Dr. Rajesh Kulkarni	M.A.(History), M.A. (Communication), Ph.D.	Head of the Department	Traditional Knowledge	20	-
Dr. M. K. Admane	M.A.(History), M.Phil., Ph.D.	Assistant Professor	Medival and Modern India	23	-

**11. List of Senior Visiting Faculty:** Nil**12. Percentage of lectures delivered and practical classes handled (program wise) by temporary faculty:** Nil**13. Student – Teacher Ratio (program wise):**

B.A. History: 20:1

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

One post of Faculty Clerk, in the college office is sanctioned and filled.

**15. Qualification of teaching faculty with DSc / D.Litt / Ph.D. / MPhil / PG.- Ph.D., PG:**

Qualification	PG	M.Phil.	Ph.D.	D.Litt.	D.Sc.
No. of Staff	-	-	2	-	-

**16. Number of faculty with ongoing projects from a) National b) International Funding agencies and grants received:** Nil**17. Departmental projects funded by DST – FIST, UGC, DBT, ICSSR, etc. and total grants received:** Nil**18. Research Centre /facility recognized by the University:** Nil**19. Publications:**

Name of the faculty	Papers			Books			Total publications
	International	National	Presented in Conference	International	National/Local	Book chapter	
Dr. Rajesh Kulkarni	-	-	1	-	8	-	9
Dr. M. K. Admane	-	-	3	-	-	-	3

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

Non-remunerative consultancy on Indian Cultural Heritage and Traditional Knowledge of Meditation has been provided to various sectors of society.

**21. Faculty as members in**

- National committees
- International Committees
- Editorial Boards

Nil

**22. Student Projects:**

Students on their own internet created 2 projects

- Percentage of students who have done in house projects including inter departmental/programme: 100%
- Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies: Nil

**23. Awards / Recognitions received by faculty and students:** Nil**24. List of eminent academicians and scientists / visitors to the department:** Nil**25. Seminars/ Conferences/Workshops organized & the source of funding:**

- National: Nil
- International: Nil

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

Name of the Course/programme - B.A.	Application received	Selected	Enrolled		Pass %
			*M	*F	
2010- 2011	239	168	117	51	100
2011-2012	246	153	91	62	100
2012-2013	282	209	137	72	100

**27. Diversity of Students:**

B.A.

Year	% of students from the same state	% of students from other States	% of students from abroad
2010-2011	100	Nil	Nil
2011-2012	98.24	1.32	0.44

2012-2013	97.82	1.82	0.36
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28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.: Nil

29. Student progression

Student progression	Against% enrolled
UG to PG	50%
PG to M.Phil	10%
PG to Ph.D	1%
Ph.D to Post-Doctoral	-
<b>Employed</b>	
<ul style="list-style-type: none"> <li>• Campus selection</li> <li>• Other than campus Recruitment</li> </ul>	-
Entrepreneurship/Self-employment	-

30. Details of Infrastructural facilities:

- a) **Library:** Yes. Main Library has reference books, textbooks, special references
- b) **Internet facilities for staff & Students:** Yes, 10 mbps leased line
- c) **Class room with ICT facility:** Yes
- d) **Laboratories:** History museum.

31. Number of students receiving financial assistance from college, University, government or other agencies:

The figures represents the total number of students of the Arts Faculty.

Year	Total number of students
2010-11	42
2011-12	23
2012-13	63

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

The department conducts an add-on Certificate Course on *Modi* script.

33. Teaching methods adopted to improve student learning:

- Use of ICT
- Visits to historical places and museums

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

- Through NSS
- Dr. Rajesh Kulkarni has written books, and prepared CDs on various topics of social relevance.

35. SWOC analysis of the department and future plans:

**Strength:**

- History museum
- A document on a brief Historical account of the college since its inception
- Hundred percent staff is Ph.D. qualified
- Consistently hundred percent result in last five years
- Collection of traditional knowledge (books, scripts, etc)
- Linkage with NGO 'Satya Sangha'

**Weaknesses:**

- Subject offered at UG level only.
- Limited job opportunities for the subject.
- Placement activity at departmental level needs to be strengthened.

**Opportunities:**

- Students inclined towards competitive examinations have added advantage of opting History.
- Students and staff can provide technical support and services to nearby private History museums.

**Challenges:**

- To encourage the students to develop the appropriate perspective of studying History
- To inculcate research aptitude among the students
- Genuine multifactorial limitations of the students coming from varied socio-economic background creates heterogeneity in the class and addressing the needs of all of them in the same class is a challenging task.

**Future plans:**

- To start Post Graduate Centre in History.
- A compilation of information on historical monuments in the city
- To prepare e-brochure for better placement
- To establish linkages with historical monuments and film archive institutes and other research institutes to create

awareness about the importance of studying History

- To provide guidance to students for preparation of competitive examinations
- Starting a Meditation Course for the students preparing for Competitive Examinations

#### **Departmental Activity:**

Departmental Activity for Students

- Audio created (History Related harangues) for Blind Students.
- History Related film DVD collection & Sharing among the Students.
- Collection & Sharing of Speeches of Great Personalities all over the globe.
- Collected the Data for Jobs & Concern Careers related to history studies.
- Scanning of Question Bank & On demand email facility.

- Dr. Rajesh Kulkarni, Research & Discoveries, Head

Rediscovered the ancient script YogTarawali & interpreted it for Jeuo Oriental Research Center.

#### **Consultancy:**

In the year 2012-13 offered & Organized Liberated / free Consultancy of Meditation (For inner Peace & focus/Concentration) for Corporate staff, College Students, & Global citizens. Also guides to Ignite Dormant Powers by ancient wisdom.

#### **Conferences & Seminars**

1. Worked as an Organizing committee member of an International Conference organized by Modern College, Pune-5, 28th to 30th Jan 2013.

Subject — 'Employability Enhancement through proficiency in Indian and foreign languages'.

2. Attended State level Seminar organized by Department of Marathi in Modern College, Pune-5, 4<sup>th</sup> and 5<sup>th</sup> Feb 2013. Subject — Marathi Vinodi Katha — Swaroop Aani Sadarikaran.

3. Attended National level Seminar sessions organized by Department of Commerce in Modern College, 23rd and 24<sup>th</sup> Feb 2013. Subject - 'Emerging issues in Indian Commerce & Industry.'

#### **Speeches / Talks**

Subject - Human Potential Development Techniques in Spirituality at Percept World Language Institute, Pune on 9 Sept. 2012. Subject- Adhyatmic Manavatawad. Place- Samarth Upasana Kendra, Model colony, Pune. Date. 2 Oct 2012.

Subject- Natya Bhovishakokk- Creating New Future. Place- Neuo- world welfare mission, Ghole Road, Pune. Date- 12 Jan 2013.

Subject- Careers in Social Sciences. Place- "Induction Programme" in Modern College, Pune -5. Date- 9 July 2012.

Subject- Yog Katha. Place- Osho Sadhana Kendra, Prabhat Road, Pune. Date- 24 Feb 2013.

#### **Community Services / Movements -**

##### **Campaigns**

Dr. Rajesh has done the following activities —

**For Senior Citizens:** Contributed for M.B.M .Trust (Nasik) which organized a Special programme for the Senior citizens at Nasik for Completing their 80 years of life. (June 2012).

**For Orphans:** Contributed Books for the orphans in the following orphanages-

- SOS Children's Villages, Pune, India.(Date-2 Oct 2012),

- Anath Hindu Mahfiashram , Pune. (Date-4 Oct 2012)

- Borderless foundation- Kashmir (Date-12 Oct 2012).

##### **For Youth**

Worked as a Co- organizer for contest for Lord Ganesh Mandals .The contest was organized by Next Gen TV & Dharmatma TV Channels. It covered near about 250 Ganesh Mandals & 50,000 people in Pune Metro.

**Citizen Awareness against the Illegal Constructions & Nature-Environment Distract:** Took lead to aware citizens & administration / system against the illegal Constructions & Nature-Environment Distract at Shivajinagar (Pune) area. He prepared investigations by Photo evidences & other proofs. He created strong Awareness by mobile SMS campaigns,

mail campaigns, Blog writing & direct interactions with citizens & administration (campaign started from —Jan-2013).

**Support Writ Petition in the Supreme Court for Making Voting Compulsory:** For making India Truly a largest democratic country, it is necessary that every citizen should vote. Mr. Thakur filed a writ petition in the Supreme Court urging the court to make voting compulsory for every eligible voter in the country. Percentage was less than 58.04%.

In this petition it is also pointed that the role of educational institutes in India could be further widened to ensure that they enroll the names of the students in the voters list as soon as they cross the 18 years of age. This will help in saving the government machinery's time and efforts in regularly updating the electoral list. Dr. Rajesh is in the Supporting Stand of this Reform movement by Collecting the supportive intellect references & data. Dr. Rajesh collected signatures to support the reform.

#### **Global Marriages Appeal by Neuo Way Movement:**

Dr. Rajesh's is a one of the founder of the Neuo Movement which is enlightening people to come to an end the slavery of land, gender, tribe, caste, age, orthodoxy, biased social views, prejudice, racism, viewpoint, or mindset. Neuo Way Movement appeals Global Marriages (Living beyond man made borders) to promote the new way of noble Humanity & internal consciousness. (Since-2012 Dec).

#### **Dr. Manda Admane:**

1. Participated in the National seminar "Satyashodhak Movement & contemporary reform movements in Indian organized by Bharatratna Dr. Babasaheb Ambedkar Mahavidyalaya, Aundh, Pune -7,24", 25th Aug.2012. Presented a paper- 'Maharashtra in 19<sup>th</sup> century and social reformers'.
2. Participated in one day seminar on 'Perspectives of extension- an interface with college and college teachers programme co-ordinations' held on 6<sup>th</sup> Sept — 2012, in Pune University by the Department of Adult education and extension.
3. Participated in State level seminar on Career opportunities in social science' held in Modern College on 9<sup>th</sup> July 2012.
4. Assisted in organizing one day seminar on 'Personality Development' under 'Vidyarthini Manch' - on Dec. 2012 for the students.
5. Assisted in organizing various programmes of Yuva Manch, Janiv Jagar, Jeshta Nagrik Shibir and Counselling for students held in college.
6. Participated in international Conference on Employability Enhancement through proficiency in Indian and foreign languages.' held in Modern College, 28<sup>th</sup> to 30<sup>th</sup> Jan 2013.

**Dr. Milind Paradkar**

- Visiting Faculty — History.
- President — Chhatrapati Shivaji Memorial Oriental Institute.

**Awards for Published thesis**

Dr. Milind Pardkar's Published thesis has been awarded by-

- Mrutunjay Puskar by Maharashtra Sahitya Parishad, Pune (Date- May 2012.)
- Late Shri Pandurangrao Utkhede
- Memorial Award by Ankur Sahitya Sangh, Akola.
- Late Dr. V. G. Khobarekar Memorial Award by Itihas SanShodhan Mandal, Mumbai Marathi Granth Sangrahalay, Mumbai. (Date- March 2013).

- Dr. Rajesh Kulkarni, Head

## Department of Marathi

1. **Name of the department:** Department of Marathi
2. **Year of Establishment:** 1970
3. **Names of Programs / Courses offered**  
B.A. Marathi  
M.A. Marathi  
Ph.D. Marathi  
Add-on course on Translation (English to Marathi)
4. **Names of Interdisciplinary courses and the departments/units involved:** Nil
5. **Annual / semester / choice based credit system (Programme wise)**  
B.A.: Annual Pattern  
M.A.: Semester Pattern  
Add-on on Translation: Annual Pattern
6. **Participation of the department in the courses offered by other departments:**
  - Department of Commerce: Functional Marathi
  - Faculty of Science: Prescribed Text and Functional Marathi
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil
8. **Details of courses / programmes discontinued (if any) with reasons:** Nil
9. **Number of teaching posts:**

	Sanctioned	Filled
Professors	-	-
Associate Professors	1	1
Assistant Professors	2	2

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

Name	Qualification	Designation	Specialization	Experience in years	No. of Ph.D. Students are working Under guidance for the last 4 years
Dr. Snehal Tawre	M.A., Ph.D.	Associate Professor	Modern-Ancient Marathi Literature, Linguistics	34	7 and One Foreign Student (Open University, Mauritius)
Prof. Nisha Bhandare*	M.A., NET, M.Phil.	Associate Professor	Modern Marathi Literature, Novel	20	-
Dr. Madhura Koranne	M.A., Ph. D.	Associate Professor	Modern Marathi Literature, Drama	19	-
Dr. Vajjayantimala Jadhav*	M.A., NET, SET, Ph.D.	Assistant Professor	Modern Marathi Literature	9	-

(\* Worked in the Leave Vacancy of Prof. Nisha Bhandare, who was on a sabbatical leave of UGC-FIP for pursuing Ph.D.)

**11. List of Senior Visiting Faculty:** Nil**12. Percentage of lectures delivered and practical classes handled (program wise) by temporary faculty:**

B.A. Marathi: Nil  
M.A. Marathi: 37%

### 13. Student -Teacher Ratio (programme wise):

B.A. Marathi: 20:1  
M.A. Marathi: 13:1

### 14. Number of academic support staff (technical) and administrative staff; sanctioned and filled- Administrative Staff

Two posts of Faculty Clerk, in the college office are sanctioned and filled.

### 15. Qualification of teaching faculty with DSc / D.Litt / Ph.D / MPhil / PG

Qualification	PG	M.Phil.	Ph.D.	D.Litt.	D.Sc.
No. of Staff	-	1	2	-	-

### 16. Number of faculty with ongoing projects from a) National b) International Funding agencies and grants received:

### 17. Departmental projects funded by DST – FIST, UGC, DBT, ICSSR, etc. and total grants received: Nil

### 18. Research Centre /facility recognized by the University:

Post Graduate Research Centre in Marathi is recognized by Pune University

### 19. Publications:

#### • Books Edited:

Dr. Snehal Tawre - 9

#### • Books with ISBN/ISSN numbers with details of publishers:

1. Snehavardhan Prakashan, Pune.
2. Yasawant Publication, Nasik.

Name of the faculty	Papers			Books			Total publications
	International	National	Presented in Conference	International	National/Local	Book chapter	
Dr. Snehal Tawre	6	5	5	-	15	7	38
Prof. Mrs. Nisha Bhandare	-	-	1	-	-	-	1
Dr. Madhura Koranne	0	3	-	-	3	1	7
Dr. Vijayantimala Jadhav	1	2	-	-	-	1	4

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

The department provides non-remunative consultancy in publication business.

### 21. Faculty as members in

#### a) National committees: Nil

#### b) International Committees:

- External Guide - Open University of Mauritius
- Dr. Snehal Tawre is a Director of Snehavardhan Research Institute Trust, Pune.

#### c) Editorial Boards:

- Editor at Snehavardhan Prakashan, Pune.
- Member of Editorial Committee for an International Conference on 'Employability Enhancement through proficiency in Indian and foreign languages'.

### 22. Student Projects

#### a) Percentage of students who have done in house projects including inter departmental/programme: 100%

#### b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: Nil

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

#### Awards by teachers:

##### Dr. Snehal Tawre

- Edited books prescribed as text and reference books in the curricula of various universities in Maharashtra, Telangana, Karnataka, Gujarat, Goa.
- Recipient of the 'Best Teacher Award' in 2011, by Dr. D.T.Bhosale Social Foundation, Pandharpur.
- 'Best Performance Award in Education' by Progressive Education Society, Pune.

##### Dr. Madhura Koranne

- 'Best Performance Award in Education' by Progressive Education Society, Pune, in 2010.
- Received 'Madhav Manohar Smriti Puraskar' (2010) from Rangat Sangat Pratishthan and Sahil Foundation Pune.

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

2010-11

- Mr. Ashok Kotawal, Eminent Writer in Marathi Literature

**2011-12**

- Mrs. Nalini Spiraling, Germany
- Dr. P.C. Shejawalkar, Director, Shejawalkar Insitute, Pune.
- Satish Alekar, Renowned stage and silver screen artist.
- Kedar Bhagwat, Renowned stage and silver screen artist.
- Pramod Ranade, Renowned stage and silver screen artist.
- Swati Patankar, Renowned stage and silver screen artist.
- Pratibha Shahu Modak, Author in Marathi Literature
- Dr. Raja Okharapurkar, Expert in Agriculture, College of Agriculture, Pune.
- Dr. Vidhyagouri Tilak, Ex-Head, Department of Marathi, Pune University, Pune.
- Dr. Madhavi Vaidhya, Ex-President, Maharashtra Sahitya Parishad, Pune.
- Anant Bhawe, famous newsreader, Doordarshan, Government of India.
- Kamlesh Chordia, famous businessman.
- Lalan Sarang, a well-known stage artist.
- Dr. Ashok Chasakar, Ex-Dean, Faculty of Arts, Pune University, Pune.
- Vishwas Mehandale, renowned Press Reporter and Artist associated with Doordarshan, Government of India.

**2012-13**

- Dr. D.T. Bhosale, eminent writer, Pandharpur.
- Dr. Leela Govilkar, eminent writer, Pune.
- Dr. Mangala Godabole, eminent writer, Pune.
- Vishwas Mehandale, renowned Press Reporter and Artist associated with Doordarshan, Government of India.
- Chandrahas Mirasdar, Press Reporter, Pune.
- Dr. N. M. Jhoshi, eminent writer, Pune.
- Dr. Veenita Apatte, Director, TEER Environmental Organisation
- Makarand Tillu, Famous Mono Acting Artist
- Dr. Kakasaheb Mohite, Ex-Dean, Faculty of Science, Pune University, Pune.

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

a. **National:** 01 (funded by Pune University under QIP)

b. **International:**

c. **State:**

- Two days seminar on '*Druk-Shravya Mahitipatanchi Nirmutiprakriya*' on 5<sup>th</sup> and 6<sup>th</sup> March 2012. The source of funding Pune University, Pune.
- Two days seminar on '*Marathi Vinodi Katha: Swarup aani Sadarikaran*' on 4<sup>th</sup> and 5<sup>th</sup> Feb. 2013. The source of funding UoP, Pune.

**26. Students profile program / course wise:**

**B.A.**

Name of the Course/programme	Application received	Selected	Enrolled		Pass %
			M	F	
2010- 2011	239	153	100	53	75.00
2011-2012	246	161	91	70	90.00
2012-2013	282	195	115	80	74.19

**M.A.**

Name of the Course/programme	Application received	Selected	Enrolled		Pass %
			M	F	
2010- 2011	32	15	11	4	75.00
2011-2012	45	23	16	7	90.00
2012-2013	72	53	26	27	74.19

**27. Diversity of Students**

**B.A.**

Year	% of students from the same state	% of students from other States	% of students from abroad
2010-2011	100	Nil	Nil
2011-2012	100	Nil	Nil
2012-2013	99.39	0.61	Nil

**M.A.**

Year	% of students from the same state	% of students from other States	% of students from abroad
2010-2011	100.00	Nil	Nil
2011-2012	100.00	Nil	Nil
2012-2013	100.00	Nil	Nil

**28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.: 01**

**29. Student progression**

Student progression	Against % enrolled
UG to PG	PG strength is less as compared to UG. Out of Total students admitted for PG, more than 70% are our UG students.
PG to M.Phil.	-
PG to Ph.D.	2%
Ph.D. to post – Doctoral	-
<b>Employed</b>	
- Campus selection	-
- Other than campus recruitment	-
Entrepreneurship / Self-Employment	20%

**30. Details of infrastructural facilities**

- Library - Yes
- Internet facilities for staff & Students – Yes, 10 mbps leased line
- Class room with ICT facility – Yes
- Laboratories – Language laboratory available

**31. Number of students receiving financial assistance from college, university, government or other agencies:**

The figures represent the total number of students of the Arts Faculty and Post Graduate students of the department.

Academic Year	Total number of students
2010-11	51
2011-12	31
2012-13	75

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

- Guest lectures
- Seminars

**2010-11**

- Organized a lecture by Mr. Ashok Kotwal on 'Prathanechi Granth'

**2011-12**

- Organised a lecture by Nalini Spiraling on 'Germany aani Bharat Yanchyatil Shaikshanik Prawas'.
- Organised two days Seminar on 'Druk-Shravya Mahitipatanchi Nirmaitiprakriya'
- Organized Diploma in Translation Course.

**2012-13**

- Organized two days seminar on 'Marathi Vinodi Katha : Swarup aani Sadarikarn'

**33. Teaching methods adopted to improve student learning:**

- Traditional method
- Use of ICT in few classrooms
- Debate competitions
- Essay writing sessions and competitions

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

- Through NCC and NSS, Vidyarthini Manch.
- Proof Reading Course for neighborhood community

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

- Every member of the staff has PG teaching recognition
- Books written by the staff members are prescribed by Pune University and other universities.
- Members of the department have published many research articles in various research journals.

**Weaknesses:**

- In Maharashtra, less number of students offers Marathi at BA special level.
- Placement activity at departmental level needs to be strengthened.

**Opportunities:**

- Involving more number of students in cocurricular and extra curricular activities leading to improved abilities and personalities
- Improving fluency in the language and communication skills among the students.
- Teaching Marathi to non-marathi people coming in large number due to employment and other opportunities in Maharashtra

**Challenges:**

- Genuine multifactorial limitations of the students coming from varied socio-economic background creates heterogeneity in the class and addressing the needs of all of them in the same class is a challenging task.

**Future Plans:**

- Better infrastructure for research.

- The Post Graduate Research Centre in Marathi will be publishing a research journal '*Samshodhan Vishwa*'.
- The department will start an add-on course named '*Vani*' to improve the knowledge of Marathi for the international students as well as for the local students.
- Add-on course on
- Drama and Stage Performance
- Event Management.

#### Departmental Activity:

The Marathi department has undergraduate as well as a Post Graduate wing. This year, the University of Pune granted permission to establish a Post-graduate Research Centre, thus enhancing the department. The department has students from Arts, Science and the Commerce wing. During the academic year the department organized many curricular and extracurricular activities.

The department introduced a course in Translation for our students and external participants last year. This has been the second year of the course.

The department organized a Two day state level seminar on 4<sup>th</sup> and 5<sup>th</sup> February 2013 on 'Marathi Vinodi Katha: Swaroop Ani Sadarikaran'- (Sanyojan Vyavasthapan). Many well known speakers contributed in this seminar. Our students and teachers were impressed by the knowledge of the speakers. This seminar was jointly sponsored by the University of Pune, Bank of Maharashtra, the D. S. Kulkarni Foundation, Rangit Enterprises and personal contribution from Mr. R. Biyas, The department is very thankful to their support.

Our blind students Rupkumar Yadav received US \$5000/- from Colonel Shashee Anand in the form of Instruments. Dr. Gate, H.O.D. Zoology also gifted him books worth Rs. 3000/-. We are thankful for their help.

The department had organized a Hand writing competition on Jagatik Marathi Day and birth of Kavi Kusumagraj. The following students proved their merit in this competition.

- 1) Shrikant Kulkarni
- 2) Sunil Desai
- 3) Anagha Deshpande
- 4) Rahul Hande
- 5) Seema Pawar.

On the eve of the birth centenary of Yashvantrao Chavan, the department organized a commemorative programme and our P.G. students, wrote an article on the topic 'My Mother'.

#### Achievements

##### Dr. Snehal Taware

- 1) Invited as a Chief guest at Wagholi College on 10<sup>th</sup> August 2012 for the inauguration of the Arts Circle.
- 2) Invited as a Chief guest at Nira College for their State level seminar on 11<sup>th</sup> September 2012.
- 3) Invited as a Chief guest at Siddhivinayak College and the magazine release of 'Palavi' on 28<sup>th</sup> September 2012.
- 4) Invited as a Chief guest at Ravindra Natya Mandir on 12<sup>th</sup> October 2012 for Shanta Shelke's Prize distribution ceremony.
- 5) Invited as a Chief guest at publication programme named 'Gabhasti' on 18<sup>th</sup> November 2012 in Lonavala.
- 6) Invited as a Chief guest at Gevrai Gadi on 28<sup>th</sup> December 2012 at the State level seminar on "The Literature of Uttam Kamble'.
- 7) Article published 'Athavanitil Shantabai' in a book on 12<sup>th</sup> October 2012.
- 8) Invited as a Chief guest in Pratibha Inter College debating Competition in Baramati College on 12<sup>th</sup> December 2012.
- 9) Invite as a chairperson in Shahu College, Pune at a seminar on 'Marathi Novel' on 4<sup>th</sup> January 2013.
- 10) Appointed as V.C. nominee and subject expert on Pay Fixation Committee, Ph.D. orals in University of Pune, Ahmednagar, Shirampur, Shirur etc.
- 11) Wrote a vignette for Dr. Kantilal Sancheti on Shankarrao Kanitkar Memorial Day on 25<sup>th</sup> January 2013.
- 12) Invited as Chief guest at the Prize distribution ceremony in Goyal Vidyalaya on 2<sup>nd</sup> February 2013. Her topic was "The different Opportunities and Career options in the Marathi language".
- 13) Attended two days meetings in Ramanand Teerth Vidyapeeth B.O.S. Marathi on 7<sup>th</sup> & 8<sup>th</sup> March 2013.
- 14) Worked as Chairperson at the state level seminar in Baramati College on 15<sup>th</sup> February 2013 on 'Bhasha Visayatil Nokarichya Sandhi.

##### Dr. Madhura Koranne

- 1) 200 copies of the book 'Marathi Natak Ani Doctor Pratima' were purchased by 'Central Institute of Indian Languages, Manas Gangotri, Mysore.
- 2) Delivered a lecture on "Stree Natakkananchi Natke" in 'Lekhika Sammelan', organized by Datar Matung Sanskrutik Kendra, Mumbai (24<sup>th</sup> November 2012P).
- 3) Participated in 'Hello Sakhi' a programme on Sahyadri Doordarshan Kendra to conduct a discussion and a live interview on the subject 'Adhunik Natkatil Stree - Pratima' (27<sup>th</sup> November 2012).
- 4) Participated in a discussion programme on the topic 'Family Doctor - Aajachi Garaj' - on Vidyawani, the centre in the University of Pune.
- 5) Presented a play reading of one part of the drama 'Savitri' written by Jayavant Dalvi, organized by Sahitya Sangh, Dakshin, Pune (24<sup>th</sup> February 2013).

##### Dr. Vaijaynti Jadhav

1. Presented research paper on '*Marathi Sineabhinetrinchi Aatmcharitre*' in National Seminar on '*Bharatiya Aatmcharitratil Stri Sanvedan*' organized by Srhi Shahu Mandir Mahavidyalay and UGC 4<sup>th</sup> and 5<sup>th</sup> January 2013.
2. Participated in National Seminar on 'Genre Fiction' by British and Marathi Women Novelists' organized by D. R. Mane Mahavidyalay, Kagal and Department of English, Shivaji University, Kolhapur 18<sup>th</sup> and 19<sup>th</sup> January 2013.
3. Participated in the International Conference on 'Employability Enhancement through proficiency in Indian and foreign languages' organized by our college, from 28<sup>th</sup> to 30<sup>th</sup> January 2013.
4. Participated in National Seminar on 'Marathitil Saundryavichar' organized by Department of Marathi, University of Pune 8<sup>th</sup> & 9<sup>th</sup> March 2013.

The success of our efforts was a result of good team work of my colleagues and students and the support of our Principal Dr. Rajendra Zunjarrao and all Vice-Principals. I am thankful to them and seek their encouragement for all our future activities.

**Dr. Snehal Tawre**  
Head, Department of Marathi

## Department of Mathematics

1. **Name of the department:** Department of Mathematics
2. **Year of Establishment:** UG: 1970, PG: -
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):**  
B.Sc. Mathematics  
M.Sc. Mathematics
4. **Names of Interdisciplinary courses and the departments/units involved:** Nil
5. **Annual/ semester/choice based credit system (programme wise):**  
B.Sc. Mathematics : Semester Pattern  
M.Sc. Mathematics : Semester Pattern
6. **Participation of the department in the courses offered by other Departments:**
  - Design and Analysis of Algorithms, Numerical Analysis, Discrete Mathematics, and Operational Research from the Department of Computer Science
  - Business Mathematics and Statistics from the Department of Commerce
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil
8. **Details of courses / programmes discontinued (if any) with reasons:** Nil
9. **Number of Teaching posts:**

	Sanctioned	Filled
Professors		
Associate Professors	1	1
Asst. Professors	6	6

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

Name	Qualification	Designation	Specialization	Years of Experience	Ph.D. Students guided
Prof. D. S. Mane	M.Sc.	Associate Professor	Mathematics	24 yrs	-
Dr. A.N. Bhavale	M.Sc., Ph.D., NET	Head of the Department	Mathematics	17 yrs	-
Prof. P.V. Gadagkar	M.Sc., NET SET	Assistant Professor	Mathematics	7 yrs	-
Prof. P.M. Paratane	M.Sc., NET SET	Assistant Professor	Mathematics	21 yrs	-
Dr. N.H. Mahajan	M.Sc., M.Phil., Ph.D.	Assistant Professor	Mathematics	23 yrs	-
Prof. M.S. Rane	M.Sc., NET	Assistant Professor	Mathematics	7 yrs	-
Prof. R.K. Gawade	M.Sc., NET	Assistant Professor	Mathematics	4 yrs	-

### 11. List of Senior Visiting Faculty:

- Dr. B.N. Waphare, Ex-Head and Professor, Department of Mathematics, Pune University, Pune.
- Dr. M.M. Shikare, Ex-Head and Professor, Department of Mathematics, Pune University, Pune.
- Dr. V.V. Joshi, Associate Professor, Department of Mathematics, Pune University, Pune.

### 12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty : UG: 0% PG: 80%

### 13. Student -Teacher Ratio (programme wise):

B.Sc.: 15:1  
M.Sc.: 12:1

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

Two posts of Faculty Clerk, in the college office are sanctioned and filled.

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

Qualification	PG	M.Phil.	Ph.D.	D.Litt.	D.Sc.
No. of Staff	5	-	2	-	-

### 16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:

Dr. A. N. Bhavale: Principal Investigator of one Minor Research Project (2009 - 2012) from BCUD, Pune University, Pune. Grants received Rs. 1,00,000/-.

### 17. Departmental projects funded by DST - FIST, UGC, DBT, ICSSR, etc. and total grants received: Nil

### 18. Research Centre /facility recognized by the University:

Two faculty members have completed the Ph.D degree and two are pursuing their Ph.D. from Pune University, Pune. The department intends to apply for the Research Centre in the near future.

### 19. Publications:

Name of the faculty	Papers			Total publications
	International	National	Presented in Conference	
Dr. A.N. Bhavale	-	-	11	11
Prof. P.V. Gadagkar	-	-	1	1
Prof. P.M. Paratane	-	-	1	1

20. Areas of consultancy and income generated: Nil

21. Faculty as members in

- National committees
- International Committees
- Editorial Boards

Dr. A.N.Bhavale is a Life Member of Indian Mathematical Society (IMS) and Indian Science Congress Association (ISCA).

22. Student projects

- Percentage of students who have done in house projects including inter departmental/programme: Nil
- Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: Nil

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

- Dr. B.N.Waphare, Ex. Head and Professor, Department of Mathematics, Pune University.
- Dr. M M Shikare, Ex. Head and Professor, Department of Mathematics, Pune University.
- Prof. M. Prakash, Director, IIT Coaching Institute, Pune.
- Prof. T.T. Raghunathan, Retd. Professor, Department of Mathematics, Pune University.
- Prof. P.P. Chikate., Ex.Head of the Mathematics Department, Modern College of Arts, Science and Commerce, Shivajinagar, Pune-5.

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

- National: Nil
- International: Nil
- State: 03
  - A one-day workshop on 'Scilab for Teachers' in the year 2011.
  - A State Level Workshop on 'Fuzzy Logic and Related Topics' organized in the year 2012, funded by BCUD, Pune University, Pune.

26. Student profile programme/course wise:

B.Sc.

Name of the Course/programme	Applications received	Selected	Enrolled		Pass %
			M	F	
2010-2011	297	106	65	41	74.36
2011-2012	361	143	86	57	64.58
2012-2013	326	135	67	68	57.14

27. Diversity of Students:

B.Sc.

Year	% of students from the same state	% of students from other States	% of students from abroad
2010-2011	100	Nil	Nil
2011-2012	100	Nil	Nil
2012-2013	100	Nil	Nil

M.Sc.

Year	% of students from the same state	% of students from other States	% of students from abroad
2010-2011	100	Nil	Nil
2011-2012	100	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?: 03 NET + 01 Civil Services

29. Student progression

Student progression	Against %enrolled
UG to PG	40%
PG to M.Phil.	-
PG to Ph.D.	-
Ph.D. to Post-Doctoral	-

Student progression	Against %enrolled
<b>Employed</b>	
Campus selection	
Other than campus recruitment	-
Entrepreneurship/Self-employment	-

### 30. Details of Infrastructural facilities:

- Library:** Central Library along with Digital Library is available for the students
- Internet facilities for Staff and Students:** The department has 6 PCs and 1 laptop all of which are equipped with internet facility of 10 mbps leased line.
- Class rooms with ICT facility:** One for F.Y.B.Sc.(Science) and two for M.Sc. Mathematics. One LCD projector is installed in the department and one stand by LCD projector is also available
- Laboratories:** Common Computing Laboratory available

### 31. Number of students receiving financial assistance from college, University, government or other agencies:

The figures represent the total number of students of the Science Faculty and Post Graduate students of the department.

Year	Total number of students
2010-11	49
2011-12	67
2012-13	57

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

- A workshop entitled 'How to be independent in study habits?' was arranged with the help of Psychology Department. Prof. Mrs. Shraddha Sakatkar guided the students.
- Two eminent guest speakers: Prof. Bhambre and Dr. V. V. Acharya delivered lectures on 'Ring Theory'.
- The students of M.Sc Part I attended a workshop on Group Theory arranged by *Bhaskaracharya Pratisthan*.
- Prof. Deepali Lodh from Department of English guided the students on 'How to face the seminar'
- The former head of the department and an eminent professor Mrs. P. P. Chikate delivered a talk focused on 'Independent Study Methods'.
- Mr. A. K. Bhosale (Alumni of The College), Director L. K. Infotech guided the students for the job opportunities in IT field. He elaborated the structure of different units of the IT industry.
- Four guest lectures by eminent mathematicians from Pune University, Pune, were arranged for M.Sc. students.
- Conduced three counselling sessions for S.Y.B.Sc. students to help and facilitate them to overcome their diffucilities regarding study methods and related areas.

### 33. Teaching methods adopted to improve student learning:

- Chalk and Board
- Use of ICT
- Group Discussions
- Assignments and Seminars

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

Through NSS and NCC activites

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

#### Strength:

- Very encouraging response for Mathematics at B.Sc. since the introduction of the subject by the college and many of these students were in the merit order of the university.
- Post Graduate course in Mathematics is available in very few colleges and ours is one of them.

#### Weakness:

- The subject is in great demand at UG as well as PG. However, due to limited intake capacity, the demand cannot be fulfilled.
- Placement activity at departmental level needs to be strengthened.

#### Opportunities:

- The staff members have apportunitites to undertake Minor/Major Research Projects

#### Challenges:

- To inculcate research aptitude in students
- Genuine multifactorial limitations of the students coming from varied socio-economic background creates heterogeneity in the class and addressing the needs of all of them in the same class is a challenging task.

#### Future plan:

- To start a Research Center in Mathematics
- To conduct State/ National level Workshops/Seminars/Conferences
- To start a Certificate Course on 'Latex', a mathematics type setting package for undergraduate students.

#### Departmental Activity:

In the academic year 2012-13, 550 students enrolled for XI science and 240 students enrolled for XI commerce. The strength of XII science and XII commerce were 450 and 200 respectively. The strength of F.Y.B.Sc., S.Y.B.Sc. and T.Y.B.Sc.

were near about 130, 75 and 70 respectively. The results of F.Y.B.Sc. and S.Y.B.Sc. were near about 50% and 80% respectively. Out of 70 students in T.Y.B.Sc. 85% students passed. The average result of each paper was near about 85%. The result of one paper viz. Optimization Techniques was 100%. Akhliesh Gandhi of XII<sup>th</sup> Science was selected for INMO-2013 from Maharashtra and Goa region.

#### Activities of Staff Members :

##### Dr. N.H. Mahajan:

- Worked as a judge for TECHNOLOGICA-2013 event organized by St. Meera College for Girls, Pune in January 2013.
- Participated in "National workshop on Fractional Calculus" in November 2012.

##### Prof. Ashok Nivrutti Bhavale:

- Successfully completed a **Minor Research Project** on "Enumeration of certain classes of lattices and related aspects" sponsored by **Board of college and University Development (BCUD)** University of Pune. The amount of the funding was Rs. 1,00,000/- and the duration was of three years.
- Presented the paper entitled "Counting of lattices with three reducible elements" in the **National Conference on Discrete Mathematics** held at Department of Mathematics, University of Pune, from 22<sup>nd</sup> to 24<sup>th</sup> December, 2012.
- Presented the paper entitled "On dimension of posets" in the **National Conference on Recent Developments in Mathematics and Statistics** sponsored by **UGC, University of Pune** and co-sponsored by **Marathwada Mathematical Society**, Aurangabad and held at T.C. College, Baramati, Pune during 14<sup>th</sup> to 16<sup>th</sup> February, 2013.
- Presented the paper entitled "Enumeration of basic blocks in which reducible elements are comparable" in the **National Conference on Discrete Mathematics, Algebra and Analysis** held at Department of Mathematics, University of Pune, from 21<sup>st</sup> to 24<sup>th</sup> April, 2013.

##### Prof. Pratul V. Gadagkar:

- Participated in National workshop on "Fractional calculus" in November 2012.
- Participated in state Level workshop on "Mathematical software" organized by Abeda Inamdar Sr. College in association with University of Pune in November, 2012.
- Worked as a Judge for Pi-Quiz competition held in Indira College of commerce and science in August 2012.
- Delivered lectures on preparation for NET-SET examinations in (i) Shivaji University Kolhapur on Complex Analysis and Linear Algebra in August 2012 and February 2013. (ii) SRMT University, Nanded on Complex Analysis in January 2013. (iii) University of Pune on Complex Analysis in May 2012. (iv) Abeda Inamdar College, Pune on Real Analysis in May, 2012. (v) Panchavati College, Nashik in April 2013.

## Department of Microbiology

- Name of the department:** Department of Microbiology
- Year of Establishment:** 2005
- Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):**  
B.Sc. Microbiology  
M.Sc. Microbiology
- Names of Interdisciplinary courses and the departments/units involved:** Nil
- Annual/ semester/choice based credit system (programme wise):**  
B.Sc.: Semester Pattern  
M.Sc.: Semester Pattern
- Participation of the department in the courses offered by other Departments:** Nil
- Courses in collaboration with other universities, industries, foreign institutions, etc.:**  
An add-on course on 'Pharmaceutical Techniques' in collaboration with various pharmaceutical industries.
- Details of courses/programmes discontinued (if any) with reasons:** Nil
- Number of Teaching posts**

	Sanctioned	Filled
Professors	-	-
Associate Professors	01	01
Assistant Professors	08	08

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

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. Shilpa Mujumdar	Ph.D	Head	Molecular Biology, PGPR	09	-
Prof. Vivek Bobade	M.Sc. NET	Asst. Professor	Biochemistry, Pharmaceutical Biology	08	-
Dr. Smita Bhuyan	Ph. D, Post Doc	Asst. Professor	Molecular Biology, Fermentation Technology	07	-
Prof. Sheetal Pardeshi	M.Sc. NET	Asst. Professor	Taxonomy, Fermentation Technology	05	-
Prof. Anushka Devale	M.Sc.	Asst. Professor	Immunology	07	-
Prof. Rupali Sawant	M.Sc.	Asst. Professor	Medical Biology	07	-
Prof. Madhuri Kothawade	M.Sc. NET	Asst. Professor	Biochemistry, Applied Microbiology	05	-
Prof. Shradha Bashetti	M.Sc. NET	Asst. Professor	Genetics, Quantitative Biology	04	-

#### 11. List of Senior Visiting Faculty: Nil

**12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:**

B. Sc. Microbiology: Theory: 10% Practical: 10%

M. Sc Microbiology: Theory: NIL Practical: Nil

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

B.Sc Microbiology: 15:1

M.Sc Microbiology: 16:1

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

Two post of Faculty Clerk, in the college office are sanctioned and filled.

Technical	Sanctioned	Filled
Class 3	1	1
Class 4	3	3

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

Qualification	PG	M.Phil.	Ph.D.	D.Litt.	D.Sc.
No. of Staff	07	-	02	-	-

**16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:**  
Nil**17. Departmental projects funded by DST - FIST, UGC, DBT, ICSSR, etc. and total grants received:**

Sr. No	Title of Project	Principal Investigator	Amount received @	Funding agency	Duration of project	Status
1	Studies on characterization and production of biosurfactant/s by bacteria isolated from Mangrove rhizosphere	Dr. Shilpa Mujumdar	2,00,000/-	UGC	2 years (2012-14)	Completed
2	Comparative studies on prodigiosin production and characterization by <i>S. marcescens</i> using various crude fatty acids and its applications	Ms. Sheetal Pardeshi	2,00,000/-	UGC	2 years (2012-14)	Completed

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

The department has a recognized laboratory by Pune University, Pune, for research leading to M.Phil.in Microbiology.

**19. Publications:**

Name of the faculty	Papers			Books			Total publications	Total impact factor	Total citation	h-Index
	International	National	Presented in Conference	International	National/Local	Book chapter				
Dr. Shilpa Mujumdar	13	2	11	-	-	2	27	40	40	16
Dr. Smita Bhuyan	4	2	3	-	-	4	13	4.5	28	3
Prof. Sheetal Pardeshi	2	-	1	-	-	1	4	-	-	-
Prof. Anushka Devale	3	-	-	-	-	-	3	-	-	-
Prof. Rupali Sawant	1	-	-	-	-	-	1	-	-	-
Prof. Madhuri Kothawade	2	-	-	-	-	-	2	-	-	-
Prof. Shradha Bshetti	1	2	-	-	-	-	3	-	-	-

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

Consultancy to Biofertilizer industry.

Project consultancy to student of the Tilak Maharashtra University.

**21. Faculty as members in**

a) **National committees:** Dr. Shilpa Mujumdar, AMI, EC member

b) **International Committees** Nil

c) **Editorial Boards** Nil

**21. Student projects**

a) **Percentage of students who have done in house projects including inter departmental/programme:**  
75%

b) **Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies:** 25%

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

Nil

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

- Dr. Yogesh Shouche, NCCS, Pune
- Dr. B. B.Nath, Department of Zoology, Pune University
- Dr. Kamlesh Jangid, NCCS, Pune
- Dr. Pranay Goel, IISER, Pune
- Dr. Chetan Gadgil, NCL, Pune
- Dr. Milind Watve, IISER, Pune

- Dr.P.K.Dhakephalkar, ARI, Pune
- Dr. Sharad kale, Scientist, BARC, Mumbai.
- Dr. N. Gore, NIV, Pune.

**25. Seminars/ Conferences/Workshops organized & the source of funding:**

- National: 01 (funded by BCUD , Pune and ICAR, New Delhi )
- State: 01 (Funded by BCUD, Pune)

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

**B.Sc.**

Name of the Course/programme	Applications received	Selected	Enrolled		Pass %
			M	F	
2010-2011	297	42	6	36	93
2011-2012	361	47	9	38	75
2012-2013	326	46	7	39	90

**M.Sc.**

Name of the Course/programme	Applications received	Selected	Enrolled		Pass %
			M	F	
2010-2011	200	40	7	33	95.84
2011-2012	135	37	5	32	97.91
2012-2013	190	45	14	31	95.84

**28. Diversity of Students:**

**B.Sc.**

Year	% of students from the same state	% of students from other States	% of students from abroad
2010-2011	100	Nil	Nil
2011-2012	100	Nil	Nil
2012-2013	100	Nil	Nil

**M.Sc.**

Year	% of students from the same state	% of students from other States	% of students from abroad
2010-2011	94.74	3.95	1.32
2011-2012	93.51	6.49	0.00
2012-2013	93.83	6.17	0.00

**28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?: 08**

**29. Student progression**

Student progression	Against % enrolled
UG to PG	95
PG to M.Phil.	-
PG to Ph.D.	04
Ph.D. to Post-Doctoral	01
<b>Employed</b>	
• Campus selection	20
• Other than campus recruitment	80
Entrepreneurship/Self-employment	10

**30. Details of Infrastructural facilities:**

- Library: Yes
- Internet facilities for Staff & Students: Yes
- Class rooms with ICT facility: Yes
- Laboratories: Yes (4 Laboratories)

**31. Number of students receiving financial assistance from college, University, government or other agencies:**

Year	Total number of students
2010-11	3
2011-12	10
2012-13	12

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

- Departmental Activities
- Model and Poster competition
- Microcreativity (Documentary and Microtoons)
- Lecture Series
- Quiz Competition
- Salad Dressing

**33. Teaching methods adopted to improve student learning:**

- Use of LCD projector,
- Animated vedios ,
- Review writing,
- Group discussion,
- Presentation.
- Assignments

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

Teachers and students visit to orphanage and aware them with personal higen also, donate cloths, grocery and stationary .

Signed MOUs with

1. Satara College of Pharmacy, Satara
2. Nigdi College of Pharmacy, Pune
3. National Toxicology Center, Pune
4. Ayurved Rasshala, Pune

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

##### Strength:

- Well equipped labs
- Result mostly above 80 %
- Add-on course in collaboration with industry

##### Weaknesses:

- Placement activity at departmental level needs to be strengthened

##### Opportunities:

- Collabroration with international Pharma and Biotech industry
- Enhancing the quality of education, through the collaborative activity with Pune University, IISER Pune and University of Melbourne, Australia, for conducting B.Sc. Blended course.

##### Challenges:

- Higher studies and hands-on training are must for better job profile.
- Continuous advancement in the field demands frequent updation of the curriculum.
- Genuine multifactorial limitations of the students coming from varied socio-economic background creates heterogeneity in the class and addressing the needs of all of them in the same class is a challenging task.

##### Future Plans:

- To strengthen placement activity
- To set up a Microbial Culture Collection Centre in the department.
- To improve research facilities in the department.
- To get funds from various funding agencies for research activities.

##### Departmental activities

- MOU has been signed between Department of Microbiology and Ayurved Rasashala
- Department has organized "**Alumina Meet**" for PG students on 2<sup>nd</sup> February 2013. Chairman for this meet was Dr. S. S. Mujumdar and this meet was co-ordinated by Ms. Shradha Bashetti.
- Department has organized a **Quality Enhancement Workshop** for Microbiology on 15<sup>th</sup> February 2013 for the microbiology staff members of our college and for the staff members of department of microbiology, Modern College, Ganeshkhind Pune -53.
- A Model and poster competition named "**Microcosom**" for UG as well as PG students was organized by the department on 7<sup>th</sup> February 2013. Dr. S. S. Mujumdar was chairman for this activity and It was coordinated by Mr. Vivek Bobade.
- Lecture series on "**Nanotechnology in Microbiology**" was organized by the department for UG as well as PG students on 12<sup>th</sup> February 2013. Chairman for this activity was Dr. S. S. Mujumdar and this activity was co-ordinated by Mrs. Rupali Sawant.
- **Quiz competition** was organized by the department specially, for PG students on 18<sup>th</sup> February 2013. Chairman for this activity was Dr. S.S. Mujumdar and Mrs. Anushka Devole was the coordinator of this activity.
- A **Social Activity** was also conducted by our department with M.Sc. Part II students. All teaching staff members of the department and students were visited to "**Survesha Seva Sangh**" at Wadgoan Budruk. Students and staff members were interacted with all children and taught those children different crafts and drawings, played different games and also prepared delicious food for them. Staff and students were also donated clothes, grocery and stationary for them.

##### Teachers Activities

###### 1) Dr. Shilpa Mujumdar :

- A Minor Research Project of Rs. 2,00,000 was Sanctioned by UGC.
- A National level project in collaboration with NCCS was started in September 2012.
- Completed refresher course with A grade in Life Sciences held at Department of Botany, University of Pune from 3<sup>rd</sup> October to 24<sup>th</sup> October 2012.
- Attended a one day workshop on "Implementation of Credit System in Affiliated Colleges" held on 16<sup>th</sup> January

2013 at C.T. Bora College, Shirur.

- Worked as Chairman for Alumina Meet, Quality Enhancement Workshop, Microcosm, "Nanotechnology in Microbiology, Quiz competition and Social Activity
- Presented two papers in National conference held on 15<sup>th</sup> and 16<sup>th</sup> March 2013 organized by College of Engineering, Pune.

**2) Mr. Vivek Bobade :**

- Worked as member of Accommodation and Traveling committee, International conference on Employability Enhancement through Proficiency in Indian and Foreign Languages held on 28<sup>th</sup> to 30<sup>th</sup> January 2013.
- Worked as a coordinator of the Interdepartmental 'Microcosm' Model and Poster Presentation Competition 2013, Held on 7<sup>th</sup> February 2013, at Department of Microbiology, MCASC, and Pune 5.
- Worked as a member of the Departmental 'Microbiology Quiz Competition 2013', 'Quality Enhancement Workshop', 'Lecture Series on Nanotechnology in Microbiology' and Social activity.
- Attended a one day workshop on 'Detailing of Restructured F.Y. BSc Microbiology Syllabus' held on 4<sup>th</sup> February 2013 organized by H. V. Desai College, Pune.
- Attended a one day workshop on "Implementation of Credit System in Affiliated Colleges" held on 16<sup>th</sup> January 2013 at C.T. Bora College, Shirur.
- Organized a visit of M.S. part II students to National Toxicology Centre, Pune in December 2012.

**3) Ms. Sheetal Paradeshi :**

- A Minor Research Project of Rs. 2,00,000 was Sanctioned by UGC.
- Attended a one day workshop on "Implementation of Credit System in Affiliated Colleges" held on 16<sup>th</sup> January 2013 at C.T. Bora College, Shirur.
- Presented two papers in National conference held on 15<sup>th</sup> and 16<sup>th</sup> March 2013 organized by College of Engineering, Pune.
- Worked as a coordinator of 'Quality Enhancement Workshop', held on 15<sup>th</sup> February 2013, at Department of Microbiology, MCASC, and Pune 5.
- Worked as a member of the Organizing Committee of Alumina Meet, Microcosm, Quiz competition and Social Activity.
- Worked as member of Hospitality and certificate committee for International conference on Employability Enhancement through Proficiency in Indian and Foreign Languages held on 28<sup>th</sup> to 30<sup>th</sup> January 2013.

**4) Mrs. Anushka Devale :**

- Worked as a coordinator of 'Quiz competition in Microbiology', held on 18<sup>th</sup> February 2013, at Department of Microbiology, MCASC, and Pune 5.
- Worked as a member of the Organizing Committee of Alumina Meet, Quality Enhancement Workshop, Microcosm, Lecture series and Social Activity.

**5) Mrs Rupali Naik- Sawant:**

- Worked as a coordinator of 'Lecture Series on Nanotechnology in Microbiology', held on 12<sup>th</sup> February 2013, at Department of Microbiology, MCASC, and Pune 5.
- Worked as a member of the Organizing Committee of Alumina Meet, Quality Enhancement Workshop, Microcosm, Quiz competition and Social Activity.
- Attended a one day workshop on 'Implementation of Credit System for PG Courses in Colleges Affiliated to University of Pune' held on 13<sup>th</sup> February 2013 organized by Abasaheb Garware College, Pune-04.
- Attended a one day workshop on 'Detailing of Restructured F.Y. BSc Microbiology Syllabus' held on 4<sup>th</sup> February 2013 organized by H. V. Desai College, Pune.
- Arranged visit of T.Y. BSc Microbiology students to blood bank of K.E.M hospital.

**6) Mrs. Madhuri Amrutkar- Kothawade**

- Worked as a coordinator of 'Social Activity', held on 23<sup>rd</sup> February 2013, at Sarvesha seva sangh, Vadgoan(bk), Pune-411 041.
- Worked as a member of the Organizing Committee of Alumina Meet, Quality Enhancement Workshop, Microcosm, Quiz competition and Lecture series in Nanotechnology.
- Attended a one day workshop on 'Implementation of Credit System for PG Courses in Colleges Affiliated to University of Pune' held on 13<sup>th</sup> February 2013 organized by Abasaheb Garware College, Pune-04.

**7) Miss. Nikita Vasudeo Bonde**

- Worked as a member of the Organizing Committee of Alumina Meet, Microcosm, Quiz competition and Lecture series in Nanotechnology.

**Students Activities:**

- Students of M.Sc. Microbiology (Part II) participated and presented a poster at Conference on Pharmaceuticals organized by MITCON.
- Students of M.Sc. Microbiology (Part II) participated and delivered oral presentations at National Conference organized by College of Engineering, Pune.
- Ms. Gauri Narawadkar of M.Sc. Microbiology (Part II) received Bhagavantrao Huddedar award at Annual prize distribution, 2013, for securing first position at M.Sc. Microbiology (Part I)
- Ms. Tanushree Bhandari of T.Y.B.Sc. Microbiology received at Annual prize distribution, 2013, for securing first position at S.Y.B.Sc. Microbiology.
- Students of S.Y. B.Sc. Microbiology Sayali Kirtiwar, Surabhi Rode and Bhagyashree Mulye won first prize at state

level microbiological contest, 2013, organized by R.C.Patel College, Shirpur.

- Students of T.Y.B.Sc. Microbiology, Bhushan Dhamale, Apurva Muley and Pallave Limaye won third prize at State level Microbiological contest, 2013, organized by R.C.Patel College, Shirpur.
  - T.Y.B.Sc. students visited K.E.M Hospital and National Aids Research Institute under partial fulfillment of their syllabus
  - T.Y.B.Sc. students visited K.E.M Hospital and National Aids Research Institute under partial fulfillment of their syllabus
  - M.Sc. Microbiology (Part II) students visited National Toxicology center.
  - Ms. Surabhi Rode and Ms. Rupali Wankhede are selected for summer training at BHU Varanasi and NIPGR, New Delhi.
- Mr. Sumit Shelar, Mr. Ehatasham Ansari, Mr. Sourabh Lokhande and Palana Chouhan are doing National project with NCCS.

## Department of Physics

- 1. Name of the department:** Department of Physics
- 2. Year of Establishment:**  
B.Sc. Physics 1970
- 3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):**  
B.Sc. Physics  
M.Sc. Physics
- 4. Names of Interdisciplinary courses and the departments/units involved:** Nil
- 5. Annual/ semester/choice based credit system (programme wise):**  
F.Y. B.Sc. : Annual Pattern  
S.Y. and T.Y. B.Sc.: Semester Pattern  
M.Sc.: Semester Pattern
- 6. Participation of the department in the courses offered by other Departments:**  
A course in Physics and Biophysics in the Department of Biotechnology of our College.
- 7. Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil
- 8. Details of courses / programmes discontinued (if any) with reasons:** Nil
- 9. Number of Teaching posts:**

	Sanctioned	Filled
Professors	-	-
Associate Professors	3	3
Assistant Professors	8	6

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

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D Students guided for the last 4 years
Prof. A. V. Deshpande	M. Sc. D. H. E.	Head	Material Science	37	-
Prof. S. R. Wagh	M. Sc., M. Phil, ADCSSA	Associate Professor	Electronics	30	-
Prof.V. T.Shelke	M. Sc.	Associate Professor	Electronics	28	-
Prof.Nileshkumar Pardeshi	M. Sc. SET	Assistant Professor	Material science	6	-
Dr. S. S. Patil	M. Sc. Ph. D.	Assistant Professor	Material science	3	-
Dr. V. S. Waman	M. Sc. Ph. D.	Assistant Professor	Nanotechnology	3	-
Prof.S. R. Gogte	M. Sc. NET	Assistant Professor	Quantum Field Theory	3	-
Prof. Amishi Rindani	M.Sc. M.Phil. SET	Assistant Professor	Quantum Mechanics	13	-
Prof.S. S. Thengadi	M. Sc.	Associate Professor	Applied Electronics	28	-

### 11. List of Senior Visiting Faculty:

- Dr. Devayani Patil, Department of Physics, Pune University, Pune-7.

### 12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:

B.Sc.: 28%

M.Sc.: Nil

### 13. Student -Teacher Ratio (programme wise):

B.Sc. Physics: 15:1

M.Sc. Physics: 12:1

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

Two posts of Faculty Clerk, in the college office are sanctioned and filled.

Technical	Sanctioned	Filled
Class 3	2	2
Class 4	13	11

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

Qualification	PG	M.Phil.	Ph.D.	D.Litt.	D.Sc.

No. of Staff	5	2	2	-	-
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16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST – FIST, UGC, DBT, ICSSR, etc. and total grants received: Nil

18. Research Centre /facility recognized by the University:

Applied to Pune University for Research Centre in Physics.

19. Publications:

Name of the faculty	Papers			Books			Total publications	Total impact factor	Total citation	h-Index
	International	National	Presented in Conference	International	National/Local	Book chapter				
Prof.Nileshkumar Pardeshi	01	-	-	-	-	-	01	3.5	1	1
Dr. S. S. Patil	18	-	09	-	-	-	27	46.2	153	7
Dr. V. S. Waman	30	-	09	-	-	-	30	47	142	6

• Books with ISBN/ISSN numbers with details of publishers:

20. Areas of consultancy and income generated:

Few staff members of the Department of Physics are on the panel of consultants on Siddhivinayak Technologies, Bhosari, Pune and Prowiz Systems, Pune. The consultancy is of non-remunerative nature.

21. Faculty as members in

a) National committees: Nil

b) International Committees: Nil

c) Editorial Boards: Nil

22. Student projects

a) Percentage of students who have done in house projects including inter departmental/programme: 73 %.

b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies: 27 %.

23. Awards / Recognitions received by faculty and students:

Achievements of Teaching Staff:

Prof. S.S.Thengadi was awarded the "Best Teacher" award by the Progressive Education Society. Pune on 25<sup>th</sup> January 2012.

Achievements of Non Teaching Staff:

Mr. S. S. Kamthe has been elected as

○ Member, All India Federation of Non Teaching Staff of colleges and Universities.

○ Chairman, Maharashtra State Federation of Non-Teaching staff of non-agricultural colleges.

Other Achievements:

Participation of students in other Institute:

• Mr. Jitin P. completed winter course in Karnataka University on Experimental/Theoretical Physics.

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

Following academicians and scientists visited the Department during 1/4/2010 to 31/3/ 2013

- Prof. C. V. Dharmadikari, Emeritus Professor from IISER, Pune
- Prof. S. D. Dhole, Department of Physics, Pune University.
- Dr. Priyadarshani Karve, Director, Appropriate Rural Technological Institute (ARTI), Phaltan, Pune.
- Dr. Uday Tade, Scientist from ISRO, Pune
- Shri M. L. Soman, Head, Training Division, TATA MOTORS, Pune
- Shri Mayuresh Prabhune, Science Editor, Times Group, Pune

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

a. National: 01 (National Conference on Hazardous e-waste Management)

b. International: 01

26. Student profile programme/course wise:

B.Sc.

Name of the Course/programme	Applications received	Selected	Enrolled		Pass %
			M	F	
2010-2011	297	197	108	89	58.82
2011-2012	361	216	111	105	65.71
2012-2013	326	191	89	102	68.42

27. Diversity of Students:

B.Sc.

Year	% of students from the same state	% of students from other States	% of students from abroad
2010-2011	100	Nil	Nil
2011-2012	100	Nil	Nil
2012-2013	100	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil

**services, Defense services, etc.?:**

Four students from our department have cleared Defence Service Examination

**29. Student progression**

Student progression	Against% enrolled
UG to PG	25 %
PG to M.Phil	Nil
PG to Ph.D	5%
Ph.D to Post-Doctoral	Nil
<b>Employed</b>	
• Campus selection	-
• Other than campus Recruitment	10%
Entrepreneurship/Self-employment	Nil

**30. Details of Infrastructural facilities:**

- Library- Departmental library
- Internet facilities for Staff & Students:  
Yes, Speed: 10 MBPS and Wi-Fi, No. of Nodes : 14
- Class rooms with ICT facility: Yes (02)
- Laboratories: Number of Labs: 04 (Dark room-01, General lab-02, and computer lab-01)

**31. Number of students receiving financial assistance from college, University, government or other agencies:**

The figures represent the total number of students of the Science Faculty and the Post Graduate students of the department.

Year	Total number of students
2010-11	47
2011-12	35
2012-13	70

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

- Prof. C. V. Dharmadikari, Emeritus Professor from IISER, Pune
- Prof. S. D. Dhole, Department of Physics, Pune University.
- Dr. Priyadarshani Karve, Director, Appropriate Rural Technological Institute (ARTI), Phaltan, Pune.
- Dr. Uday Tade, Scientist from ISRO, Pune
- Shri M. L. Soman, Head, Training Division, TATA MOTORS, Pune
- Shri Mayuresh Prabhune, Science Editor, Times Group, Pune
- Workshop: Star Gazing at Paud, Panshet

**33. Teaching methods adopted to improve student learning:**

- Poster Exhibition/Competition
- Power point presentation competition
- Project competition
- Demonstration method
- Use of ICT
- Seminar Activity
- Chalk and Talk

**34. Participation in Institutional Social Responsibility (ISR) and Extension activities: Nil****35. SWOC analysis of the department and future plans:****Strength:**

- Well equipped laboratories
- Several student centric co-curricular activities
- Very effective use of ICT

**Weakness:**

- Placement activity at departmental level needs to be strengthened

**Opportunities:**

- Enhancing the quality of education, through the collaborative activity with Pune University, IISER Pune and University of Melbourne, Australia, for conducting B.Sc. Blended course.

**Challenges:**

- Genuine multifactorial limitations of the students coming from varied socio-economic background creates heterogeneity in the class and addressing the needs of all of them in the same class is a challenging task.

**Future plan:**

- Establishing Post Graduate Research Centre in Physics
- To inculcate Research Culture among under graduate students through research proposals undertaken by teachers
- To start an add-on course on Instrumentation with reference to Automation of Control System (PLC).

**Departmental Activity:**

The working of the department was very smooth. All teaching and non teaching staff members extended their whole hearted support and cooperation in smooth functioning of the department

**Student Strength:**

F. Y. B. Sc. – 211

S. Y. B. Sc. – 106

T. Y. B. Sc. – 19

**Activities For Students:**

1. **Study tours** : As a part of the curriculum, the department had arranged different study visits for F. Y., S. Y. and T. Y. B. Sc. classes.
  - a) T. Y. B. Sc. students visited **IT Expo**, an exhibition at Engineering College Ground, Pune. Also these students visited Karde village for Star Gazing Programme. **Prof. S. R. Wagh and Prof A.V.Deshpande** took efforts in organizing this activity.
  - b) F. Y. B.Sc.and S. Y. B. Sc students visited **KISAN-2013** and **MahaTech**(an exhibition of Automation in Industrial products). **Prof. S. R. Wagh, Prof. V. T. Shelke and Prof. S. S. Thengadi** took the efforts in organization and smooth functioning of these study visits.
2. **Add on Course:** Add on Course on 'Industrial Electronic Components Familiarization and Testing' was introduced for undergraduate students. **Shri M. L. Soman, Retired Head, Training Division, TATA MOTORS, Pune** have been successfully conducted the course. **Prof. S. S. Thengadi** worked as a Coordinator for this course.



**Shri M. L. Soman interacting with students during Add on Course session.**

3. **Guest Lecture** : A guest lecture of **Shri M. L. Soman** (Ex Head, Training Division TATA Motors) was arranged on 24 August 2012 for S.Y.BSc. students. The topic was 'Applications of Digital Electronics in Industries.'



**Shri M. L. Soman delivering a talk to S. Y. B. Sc. Students.**

3. **Poster competition:** A poster competition and exhibition was conducted for the F. Y. B. Sc. Class on 11 February 2013. The Poster exhibition was inaugurated by Prof. S. D. Dhole, Department of Physics, University of Pune., Prof. R. S. Zunjarrao, Principal chaired the function. Prof. V. T. Shelke and Prof. Kumbhar evaluated the posters. The prizes were distributed on the same day at the hands of Prof. S. R. Chaudhari, Vice-Principal of the college.

**Prof. Nileshkumar Pardeshi** took efforts in organization of Poster Competition.



**Prof. S. D. Dhole, Principal Dr. R. S. Zunjarrao and Prof. A. V. Deshpande interacting with participants.**

**4. Power-Point Presentation competition:** A competition for S. Y. B. Sc. class was organized for the presentation of slides prepared using presentation software. The slides are based on the topics of their studies in the Physics subjects. Almost all the students participated in the event. Presentations on **eleven** topics were made by the students. Prof. Miss Roslin Gaware helped many students for collecting the relevant information of the topics. **Dr. S. S. Patil, Dr. V. S. Waman and Prof. Nileshkumar Pardeshi** judged the presentations.



**S. Y. B. Sc. Students presenting their topic during power point presentation competition.**

**5. Project competition:** Students of T. Y. B. Sc. (Physics) carry out a project work as a part of their curriculum. Exhibition and competition of these projects was arranged on 12/1/2013. Dr. R. S. Zunjarrao, Principal inaugurated the exhibition. Prof. B. B. Yenage and Prof. V. T. Shelke examined the projects.



**Principal Prof. R. S. Zunjarrao, Prof. A. V. Deshpande, Prof. B. B. Yenage and Prof. P. S. Varade interacting with participant.**

#### 6. Achievements of Students :

**Results of the Department:** For the academic year 2011-12

Class	Percentage (%)
F. Y. B. Sc	69
S. Y. B. Sc.	88
T. Y. B. Sc.	66

- 4 students selected for **Ignited Innovators of India (I2I) Ambassador program**, and 13 projects from our college were selected. **Shriram Ramane, Ashwini Bambal, Nutan Shukla and Salim Shaikh** (S. Y. B. SC. 'A') were selected as ambassadors for Modern college, Pune 411 005.
- Shriram Ramane and Neha Ghodake** from S. Y. B. SC. 'A' Attended Frontiers In Physics - VI, a national seminar on astronomy and astrophysics, on 4<sup>th</sup> and 5<sup>th</sup> JANUARY 2013, in Fergusson college.
- Shriram Ramane** S. Y. B. SC. 'A' attended a workshop on "HOW TO ENJOY PHYSICS" organized by Pune University in S. P. College On 16<sup>th</sup> JANUARY 2013.
- Shriram Ramane, Neha Ghodake, Bhagyashri Sakunde** from S. Y. B. SC. 'A' and **Dhanashree Sant, Kiran Joshi** (T. Y. B. SC.) represented Pune university in An International Conference on " GREEN GROWTH AND SUSTAINABLE DEVELOPMENT" (YUVA MEET - 2013) At Chanakyapuri, New Delhi, on 28<sup>th</sup> and 29<sup>th</sup> January 2013 organized by **Teri University and Sport and Youth affairs ministry, Govt. of India.**
- Shriram Ramane, Vaishali makadi and Neha Ghodake** attended State Level seminar on **Youth Unite For Voluntary Action (YUVA), At Fergusson College on 20<sup>th</sup> and 21<sup>st</sup> February 2013**
- Shriram Ramane, Ganesh JanJid And Suraj Labade** Attended Science day Program at Indian Institute of Science Education and Research, (IISER), Pashan, Pune on 28<sup>th</sup> February 2013.



Prof. Shrinivasan and Prof. Aarti (From Sri Lanka) with student at Yuva meet 2013, New Delhi.

#### 7. Contribution by the teachers:

1. **Prof. S. S. Thengadi** actively participated in preparing the proposals for CPE, FIST and STAR College for the UGC, DST and DBT respectively.  
**Prof. S. S. Thengadi** helped the college administration in preparation of proposals for various schemes/funding agencies and following up the agencies. Also he was a member of organizing committee for International, National and State level Conferences.
2. Prof. **V. T. Shelke** participated in a One - day workshop for F. Y. B. Sc. Syllabus framing at Prof. Ramkrishna More College, Akurdi, Pune. on 12/2/2013.
3. The Research paper entitled "Enhanced Field emission from chemically synthesized Cadmium sulphide-Polyaniline (CdS-PANI) nanotube composite" of **Dr. Sandeep S. Patil** has been accepted for presentation as well as nominated for the best paper award in the **14<sup>th</sup> International Conference on Vacuum Electronics-2013** which is to be held in Paris, France.

- Prof. A. V. Deshpande, Head Department of Physics

## Department of Political Science

1. **Name of the department:** Department of Political Science
2. **Year of Establishment:** 1970
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):**  
B.A. Political Science
4. **Names of Interdisciplinary courses and the departments/units involved:** Nil
5. **Annual/ semester/choice based credit system (programme wise):** B.A. Political Science: Annual Pattern
6. **Participation of the department in the courses offered by other Departments:** Nil
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil
8. **Details of courses / programmes discontinued (if any) with reasons:** Nil
9. **Number of Teaching posts:**

	Sanctioned	Filled
Professors	--	--
Associate Professors	--	--
Asst. Professors	1	1

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

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D Students guided for the last 4 years
Prof. Khokle D. L.	M.A. M.Phil	Asst. Professor	Political Science	19	-

11. **List of Senior Visiting Faculty:** Nil
12. **Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty:**  
B.A. Political Science: 28%
13. **Student -Teacher Ratio (programme wise):**  
B.A. Political Science: 20:1

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

One post of Faculty Clerk, in the college office is sanctioned and filled.

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

Qualification	PG	M.Phil.	Ph.D.	D.Litt.	D.Sc.
No. of Staff	-	1	-	-	-

16. **Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:**  
Nil
17. **Departmental projects funded by DST - FIST, UGC, DBT, ICSSR, etc. and total grants received:** Nil
18. **Research Centre /facility recognized by the University:** Nil
19. **Publications:** Nil
20. **Areas of consultancy and income generated:** Nil
21. **Faculty as members in**  
a) National committees, b) International Committees, c) Editorial Boards  
Nil
22. **Student projects**  
a) **Percentage of students who have done in house projects including inter**

departmental/programme:Nil

- b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies:Nil

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

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

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

a) National: Nil b) International: Nil

26. Student profile programme/course wise:

Name of the Course/programme- B.A. Political Science	Application received	Selected	Enrolled		Pass %
			M	F	
2010- 2011	239	212	131	81	100.00
2011-2012	246	202	114	88	66.66
2012-2013	282	233	138	95	100.00

27. Diversity of Students:

B.A.

Year	% of students from the same state	% of students from other States	% of students from abroad
2010-2011	100	Nil	Nil
2011-2012	98.24	1.32	0.44
2012-2013	97.82	1.82	0.36

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?: 01

29. Student progression

Student progression	Against% enrolled
UG to PG	50%
PG to M.Phil	-
PG to Ph.D	-
Ph.D to Post-Doctoral	-
<b>Employed</b>	
• Campus selection	-
• Other than campus Recruitment	-
Entrepreneurship/Self-employment	-

30. Details of Infrastructural facilities:

- a) Library- College Library  
 b) Internet facilities for Staff & Students: Common Computing facility in the College Library  
 c) Class rooms with ICT facility: Yes  
 d) Laboratories:

31. Number of students receiving financial assistance from college, University, government or other agencies:

The figures represent the total number of students of the Arts Faculty.

Academic Year	Total number of students
2010-11	42
2011-12	23
2012-13	63

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

33. Teaching methods adopted to improve student learning:

- Traditional method
- Group Discussions
- Seminars by students on subjects related to current issues in state politics

34. Participation in Institutional Social Responsibility (ISR) and Extension activities: Students participation in social work through NSS and NCC

35. SWOC analysis of the department and future plans:

**Strength:**

- Student's enthusiasm for opting this subject for Civil Services Examinations

**Weakness:**

- Subject offered at UG level only.
- Limited job opportunities for the subject.
- Placement activity at departmental level needs to be strengthened.

**Opportunities:**

- Increased participation in the activities of Competitive Exams Guidance Centre can improve the success rate of students in the competitive examinations.

**Challenges:**

- Genuine multifactorial limitations of the students coming from varied socio-economic background creates heterogeneity in the class and addressing the needs of all of them in the same class is a challenging task.

**Future plan:**

- The department will be offering a Postgraduate Course- M.A. Political Science.
- With the help of NSS students, the department will be reaching villages near by Pune city and make the villagers aware of the importance of different schemes of the state and central governments.
- The department will be arranging regular visits of the students to various Social Sciences institutes in and around Pune city.

**Departmental Activity:**

The Department of Political Science had new addition. Mrs. Keskar joined as C.H.B lecturer for the Non Grantable section. Khokle D.L attended a workshop on Syllabus Revision of Political Science (F.Y.B.A.) at Abeda Inamdar College, Pune. Worked as a member of the Best Student Trophy Committee.

## Department of Psychology

- 1. Name of the department:** Department of Psychology
- 2. Year of Establishment:** 1971
- 3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):**  
B.A. Psychology  
M.A. Psychology (Clinical Psychology, Counselling Psychology)
- 4. Names of Interdisciplinary courses and the departments/units involved:** Nil
- 5. Annual/ semester/choice based credit system (programme wise):**  
B.A: Annual Pattern  
M.A.: Semester Pattern
- 6. Participation of the department in the courses offered by other Departments:**  
Faculty is involved in teaching courses like Personality Development and Bargaining Skills for P.G. students of the Department of Economics, Geography, Marathi, and English.
- 7. Courses in collaboration with other universities, industries, foreign institutions, etc.:**  
Nil. However, the department conducts skill development training workshops on Graphology, Flower Remedy, HIV AIDS counselling, Diagnostic Testing and Research Methodology by inviting experts from hospitals and other institutions.
- 8. Details of courses / programmes discontinued (if any) with reasons:** Nil
- 9. Number of Teaching posts:**

	Sanctioned	Filled
Professors	-	-
Associate Professors	1	1
Assistant Professors	4	4

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

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D Students guided for the last 4 years
Dr. Amruta Oke	M.A., M. Phil, Ph.D	Associate Professor	Clinical Psychology	33	-
Prof. Smt. Vijaya Jagtap	M.A., M.Ed.	Assistant Professor	Clinical Psychology	16	-
Prof. Smt. Smita Vaidya	M.A., SET	Assistant Professor	Clinical Psychology	14	-
Prof. Mrs. Shradha Sakatkar	M.A., SET, B.Ed.	Assistant Professor	Counseling Psychology	08	-
Prof. Sairaj Patki	M.A., SET, Ph.D.	Assistant Professor	Clinical Psychology	04	-
Prof. Apeksh Gawade	M.A.	Assistant Professor	Counseling Psychology	03	-
Prof. Sumedha Chandekar	M.A., NET	Assistant Professor	Counseling Psychology	02	-

- 11. List of Senior Visiting Faculty:**

- Dr. Ujjwal Nene, Clinical Psychologist, KEM Hospital, Pune.
- Dr. Vaishali Mardhekar, Academic Counsellor, IGNOU,

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

UG: Nil ; PG: 4%

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

UG: 20:1; PG: 16:1

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

One post of Faculty Clerk, in the college office is sanctioned and filled.

Technical	Sanctioned	Filled
Class 3	1	1

Class 4	2	2
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**15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil /PG**

Qualification	PG	M.Phil.	Ph.D.	D.Litt.	D.Sc.
No. of Staff	5	-	2	-	-

**16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:**  
02

**17. Departmental projects funded by DST – FIST, UGC, DBT, ICSSR, etc. and total grants received:**

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

Dr. Amruta Oke is a recognized guide for M. Phil. course of Pune University.

The staff members are actively involved in the research activities. The department intends to apply for the Research Centre in the near future.

**19. Publications:**

Name of the faculty	Papers			Total publications
	International	National	Presented in Conference	
Dr. Amruta Oke	-	-	2	2
Prof. Smt. Vijaya Jagtap	-	-	1	1
Prof. Smt. Smita Vaidya	-	-	3	2
Prof. Mrs. Shradha Sakatkar	-	-	2	3
Dr. Sairaj Patki	4	-	4	8

**Books with ISBN/ISSN numbers with details of publishers:**

Dr. Amruta Oke has written two books with ISBN number.

- *Manasshastra*, co-author 2010 Dorling Kindersley (India) Pvt. Ltd. ISBN

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

Non-remunerative consultancy on Psychological Counselling, Aptitude Testing and Career Guidance till March 2016, after which, the consultancy is given on remunerative basis.

**21. Faculty as members in**

- National committees:** Nil
- International Committees:** Nil
- Editorial Boards :**

Dr. Amruta Oke

- Joint Secretary of Indian Association of Human Behavior, which is a multidisciplinary national organization.
- A member of an Editorial Board of a National journal *Manas Shastra Patrika* with ISSN-2394-4730. Prof. Vijaya Jagtap, Prof. Smita Vaidya, Prof. Shradha Sakatkar and Dr. Sairaj Patki were the members of Editorail Board for a national conference on 'Emotional Intelligence – Role in Human Life' organized by the department.

**22. Student projects**

- Percentage of students who have done in house projects including inter departmental/programme:** 100%
- Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies:** Nil

However, the faculty guides 100% students for data collection from organizations like NGOs, hospitals, schools, BPOs and rehab centers.

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

- Ms Monika Mishra, a student of M.A. II was awarded First Prize for the paper presentation in the national conference on 'Emotional Intelligence – Role in Human Life' organized by the department.

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

- Dr. C. G. Deshpande Department of Applied Psychology, Mumbai University
- Dr. Medha Kumthekar Department of Psychology, S.N.D. T. University, Pune
- Dr. Jitendra Mohan Panjab University
- Dr. C. R. Mukundan Institute of Behavioural Science, Gujarat Forensic Sciences University.
- Dr. Radha Sharma Management Development Institute, Gurgaon.
- Dr. Anagha Lavlekar JPIP, Pune
- Dr. Shobhana Abhyankar Fergusson College, Pune
- Dr. Kelkar Sandeep Equipkids, Thane
- Dr. Alka Wadkar Department of Psychology, Pune University, Pune

**25. Seminars/ Conferences/Workshops organized & the source of funding:**

- National: Nil
- International: Nil
- State: A preconference workshop on 'Bringing Emotional Intelligence in Classroom' funded by BCUD.

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

Name of the Course/programme	Application received	Selected	Enrolled		Pass %
			M	F	
2010- 2011	239	134	68	66	90.62
2011-2012	246	109	50	59	94.73
2012-2013	282	126	50	76	100

**M.A.**

Name of the Course/programme	Application received	Selected	Enrolled		Pass %
			M	F	
2010- 2011	72	52	5	47	88.88
2011-2012	68	46	11	35	100
2012-2013	45	38	9	29	90.90

**27. Diversity of Students:****B.A.**

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
2010-11	100	Nil	Nil
2011-12	98.24	1.32	0.44
2012-13	97.82	1.82	0.36

**M.A.**

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
2010-11	86.21	6.90	6.90
2011-12	93.00	5.00	2.00
2012-13	91.46	7.32	1.22

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

Two students from our department have cleared NET Examination

**29. Student progression**

Student progression	Against % enrolled
UG to PG	25-30
PG to M.Phil	-
PG to Ph.D	4-5%
Ph.D to Post-Doctoral	-
<b>Employed</b>	
• Campus selection	20-25%
• Other than campus Recruitment	60-70%
Entrepreneurship/Self-employment	5%

**30. Details of Infrastructural facilities:****a) Library- Yes, Central Library**

- In-house Remote Access to e-resources: facility available under teacher's supervision
- Assistance in searching Database: provided by respective research guides/ subject teachers

**b) Internet facilities for Staff & Students:**

- Internet available: 10 mbps leased line
- LAN Facility: available
- Number of computers with internet facility: 6
- The department staff has access a total of 4 desktop computers and 2 laptops, all having internet connection via LAN and Wi-Fi. Two desktops and one laptop are available for use by post-graduate students under the supervision of staff members for statistical analyses, and accessing online resources.

**c) Class rooms with ICT facility: Yes**

- Lectures are frequently conducted using power-point presentations in the laptop and projector-enabled classrooms. As the classroom is Wifi-enabled, the teachers can introduce the students to online resources like educational documentaries, e-books, etc.
- The department has educational CDs that are useful in better understanding of subject and in making the teaching-learning experience more effective
- The department has 7 movie CDs related to psychological aspects that are, on some occasions used for screening to educate the students about psychological phenomena in a more interesting audio-visual manner. Such

screenings are followed by discussion with students by subject teachers/ experts in the field, or assignments based upon the screened movie.

**d) Laboratories:** Eight cubicles for conducting practical

### 31. Number of students receiving financial assistance from college, University, government or other agencies:

The figures represent the total number of students of Arts Faculty and the Post Graduate students of the department.

Year	Total number of students
2010-11	47
2011-12	35
2012-13	70

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

- **Quiz Competitions**

- **Seminars**

- **Guest lectures**

- Suicide - Dr. C.G.Deshpande, Dr. Ulhas Luktuke, Dr. Medha Kumthekar
- Psychological Research - Dr. Vaishali Mardhekar
- NEO-PI - Dr.Savita Deo
- Psychology testing application - DR. Sucharita Gadre
- Neurocognitive Science - Dr. Awasthi

- **Workshops**

- Pre marital counseling workshop – Mrs. Haldankar
- HIV –AIDS Workshop – Dr. Ujjwal Nene
- Dignostic Psychological Assesment - Dr. Ujjwal Nene
- Dance Therapy - Mr. Tonmoy Haldar
- Rorschach Administration - Dr. Ujjwal Nene
- Geriatric Counseling - Mrs. Vanita Jadhav
- School Counseling - Mr. Pawan Gaikwad
- Soft Skills - Smita Dongare & Anuja Kolhatkar
- Career Counseling - Dr. Shreeram Geet
- Yoga Therapy - Mr. Shankar Khedkar
- Drug Addiction & Rehabilitation - Mr. Indrajeet Deshmukh

- **Visits**

- Prasana Autism centre
- Christian Counseling Centre, Vellore
- Sumpark Balgram
- Muktangan
- Schizophrenia Awareness Association (SAA)
- Ratnagiri, Mental Hospital
- Kavalyadham & Manshakt
- Delhi, Hypnotherapy-National seminar -JNU
- Kripa Foundation, Pune Drug De-addiction Centre IPH, Thane
- Schizophrenia Awareness Association (SAA)
- Bal Kalyan Sanstha, Pune
- Little Kingdom Montessori School, Pune.

- **Other Activities and Programs**

- Earnst and Young Foundation Career Awareness program in Corporation schools
- Organized a “Psychology Book Exhibition” by Forward books Counselling camp
- Pragatee Foundation Group Testing & Career Awareness program Earnst and Young Foundation Career Awareness program in Corporation schools

### 33. Teaching methods adopted to improve student learning:

- Role plays
- ICT
- Activity-based assessment
- Hands-on experience
- Collaborative learning
- Learning through play

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

Sr. No.	Institutional Social Responsibility (ISR) Activities
I.	Counseling Service: <i>(Free counseling service provided throughout the year to stake holders, special cases identified during counselling camp, and cases requiring further sessions)</i>
II.	Counselling Camp: <i>(Free counselling service provided every year since 2008)</i>
III.	Aptitude Testing & Career Counseling: <i>(Free computer-based aptitude testing followed by career counselling by experts provided throughout the year since 2011)</i>
IV.	Pragati Foundation Group Testing & Career Awareness: <i>(M.A.-II students of the department provide psychological testing services and career awareness to children of brick-kiln laborers (2012, 2013))</i>

Sr. No.	Extension activities
I.	Guest lecture on Suicide- C.G.Deshpande, Vilas Luktuke, Kumthekar Ma'am (27/01/10)

II.	Visit to Prasanna Autism centre (27/07/11)
III.	Visit to Schizophrenia Awareness Association (SAA) (20/07/11)
IV.	HIV –AIDS Awareness Workshops (Each year)
V.	Guest Lecture by Paramheet members (12/08/12)
VI.	Study visit to Mukangan (17/02/12)
VII.	Study Tour- Sumpark Balgram (24/08/13)
VIII.	Study Visit to Kripa Foundation Drug De-addiction Centre (03/09/13)
IX.	Visit to Schizophrenia Awareness Association (SAA)
X.	HIV –AIDS Awareness Workshops (Each year)

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

#### Strength:

- Many co-curricular activities with emphasis on practical skills and applications of theoretical concepts not covered in the syllabus
- Staff is encouraged and sponsored to participate in seminars and workshops

#### Weakness:

- Placement activity at departmental level needs to be strengthened.

#### Opportunities:

- Active participation in revision of syllabi of Pune University.
- Provide psychological counselling to nearby communities

#### Challenges:

- Mentoring students with average performance and students from diverse backgrounds
- Genuine multifactorial limitations of the students coming from varied socio-economic background creates heterogeneity in the class and addressing the needs of all of them in the same class is a challenging task.

#### Future plans:

- To publish an annual Research Journal
- Establishment of Consultancy-cum-Training Centre-‘Centre for Excellence’
- To strive for seeking recognition for Post Graduate Research Centre from Pune University, Pune.
- To start a Diploma Course in ‘Industrial Psychology’

#### Departmental Activity:

Psychology Department has successfully conducted extra-curricular and co-curricular activities and organized various workshops throughout the year. The objective of these activities was to develop the required skills in the students and to make them aware of the broader applications of psychology.

At present the department of psychology has 40 students at the under-graduate level and 76 students at the post-graduate level.

The overview of the various activities is as follows:

#### Study Tours :

- Students of SYBA and TYBA visited Kaivalyadham Yoga Institute and Manashakti Kendra at Lonavala which was organized by Prof Apeksha K. Gawade.
- Regional Mental Hospital at Ratnagiri and Walavalkar Trusts Hospital at Dervan was also visited by the SYBA and TYBA students which was organized by Prof Vijaya Jagtap.
- M.A students completed a certificate course in counseling at Christian Counselling Center, Vellore, TamilNadu.

#### Paper Presentations by Students :

- Prerana Ancharia, Tonmoy Haldar and Manmeet Dullat presented their papers at National seminar on Developing Human Potential: Perspectives, Issues and Challenges, organized by Fergusson College, Pune-05.
- Dhanashree Sawant has presented her paper at the National seminar on Experimental Psychology organized by Department of Psychology- University of Pune.
- Neha Vartak, Rucha Khare, Divya Ratan and Rajul Shah (BA students) have also presented their papers at the National conference of Indian Institute of Mental Health, held at Sangli, Kolhapur.
- Siddharth Godbole (BA student) his paper was published in the proceedings of State Level workshop on Holistic Healing- A journey to Optimal Wellness held at Fergusson College, Pune-04.

#### Film Festival :

The FYBA students under the guidance and supervision of Prof. Apeksha Gawade and Sumedha Chandekar organized a Psych Film Fest through which popular movies – Orphan, Sybil and The pursuit of Happiness were screened, followed with Panel Discussion.

#### Quiz Competition :

On the occasion of World’s Mental Health Day (10<sup>th</sup> October), a quiz competition was held in which the MA students showed their active participation and were shortlisted in 4 groups. Group A- who had Tonmoy Haldar, Shamika Tikhe and Harpreet Gala won the competition. Prof. Smita Vaidya and Apeksha Gawade were in charge for the whole event along with the guidance of Prof. Amruta Oke.

#### Presentation Competition :

Presentation competition was held for the SYBA students by Prof. Sumedha Chandekar. Girija Vaidya received the first prize.

#### Teacher’s Day Celebration :

In order to treat specially and respect their teachers on the Teacher’s Day, the MA students engaged lectures of all the teachers and the under graduate students (FY, SY, TY) arranged a surprise cultural programme for their teachers.

#### Workshops Organized :

Workshop on HIV/ AIDS counseling by Dr. Ujjwal Nene and Premarital Counselling by Dr. Vasudha Kulkarni

respectively were conducted for the MA students. Workshop on Sex- Education was conducted by Prof. Sumedha Chandekar for the BA and MA students.

#### **Inter- collegiate Essay Competition :**

Scizophrenia Awareness Association (SAA) organized an inter-collegiate essay competition on the topic 'Mental Health and Superstitions'. Five students participated for the same. Arti Godse got the 1<sup>st</sup> prize, Prasad Chaubal got the 2<sup>nd</sup> prize and Vedangi Kulkarni got the consolation prize.

#### **Guest Lectures :**

Dr. Sanyogita Nadkarni delivered lectures on Child Psychiatry and Autism, while Prof. Rutuja Chinchankar gave lectures on Geriatric Counselling and Interpretation of Projective tests.

#### **Seminars/ Workshops/ Conferences Attended :**

Students have attended the following seminars, workshops and conferences.

- 'Lifestyle Challenges and Counselling' organized by Academy of Personality Development.
- National seminar on Developing Human Potential: Perspectives, Issues and Challenges, organizes by Fergusson College, Pune-05.
- National seminar on 'Beyond Horizons: Giftedness in 21<sup>st</sup> century' organized by Jnana Prabodhini, Pune.
- National Conference on Family Mental Health organized by Indian Institute of Mental Health, held at Sangli, Kolhapur.
- National seminar on Experimental Psychology organized by Department of Psychology- University of Pune.
- State Level workshop on Holistic Healing- A journey to Optimal Wellness held at Fergusson College, Pune-04.
- Sinha Ray Memorial lecture on Effective Parenting arranged by S.P College

#### **Parents Meeting :**

Parents meeting was arranged to explain the departmental activities and parent's cooperation and support was appreciated. They were also requested to maintain their support and cooperation throughout.

#### **Counselling Camp :**

Every year the department of psychology holds a free counseling camp to provide the students with hands on experience for the final year counseling psychology students.

Cases were handled during the camp by the students. Efforts were put and the students tried their best to resolve problems of students from Modern college and other colleges, people from the neighborhood area and non-teaching staff members by using the counseling skills, techniques and therapies.

This year along with the counseling camp the students also simultaneously conducted workshops.

- Sai Mule – Animal Therapy
- Tonmoy Haldar – Dance Therapy
- Aditi Moghe – Stress Management
- Sanjeevani Rahane – Handwriting Analysis & Graphology

Students participated in these workshops. Prof Shradha Sakatkar is the incharge for this activity every year.

Intelligence testing was conducted on a group of students who had approached our department.

#### **Collaborations :**

MA counseling students worked as volunteers for 'Door Step'- a NGO which works for children who dwell in the slum areas and belong to the lower socio-economic strata.

They also conducted career counseling sessions for the students in various schools in association with the Pragati Foundation.

#### **Achievements of the Students :**

- Aditi Moghe a student of MA is selected to present the Indian Folk Dance in Mauritius through Jagruti Kala Manch.
- Siddharth Godbole a student of TYBA won the Gold Medal at the West Zone boxing championship. He was the quarter finalist for the National level Super Cup 2012 and was awarded the 'Most Promising Boxer' title.
- Students from the North-east States actively participated in the 'North-east States Cultural Fest' organized by NSS- University of Pune.

#### **Achievements of Ex- Students :**

- Ms Pradnya Vadnere qualified the NET examination 2012.
- Ms Gayatri Vartak got the prestigious membership of British Psychological Association. At present she is pursuing her M.S degree in Sports Psychology in UK.
- Mr. Hrishikesh Khilare got the Samarth Gaurav Puraskar for his social- work at Melghat.

#### **Achievements of Teachers :**

##### **Mrs. Amruta Oke**

- Invited at State level conference of Human Education Society, at Jalgaon as a Panalist of Open Forum on 'Effective Parenting'.
- Invited as a chair-person of paper reading session at National seminar on Developing Human Potential: Perspectives, Issues and Challenges, organizes by Fergusson College, Pune-05.
- Invited as a chair-person of paper reading session at National seminar on 'Beyond Horizons: Giftedness in 21<sup>st</sup> century' organized by Jnana Prabodhini, Pune.
- Invited as a resource person in syllabus restructuring workshop held at Purandare College, Lonawala.
- Worked as a organizing committee member of National seminar on Experimental Psychology organized by Department of Psychology- University of Pune.
- Worked as a member of co-ordination committee of International seminar on 'Employability, Enhancement through proficiency in Indian & Foreign Languages'.
- Received the life membership of Indian Association of Mental Health.

- Received the life membership of Human Education Society, Pune.
- Selected as a Joint Secretary of Indian Association of Human Behavior for the 2<sup>nd</sup> time in a row.
- Invited as a chief guest for prize distribution ceremony of Ramarajya Shikshan Sanstha Pune.
- Invited as a resource person to conduct a workshop on Personality Development organized by BMCC, Pune.
- Invited to deliver a lecture on Careers in Counselling Psychology by S.N.D.T College, Pune.
- Invited to deliver a lecture on Nature of Counselling at Vidyarthi Mancha in Modern College.
- Co-opted as a member of syllabus revision committee of Board of Studies in Psychology, Pune University.

**Smt. Vijaya Jagtap**

- Successfully completed a certified course of Career Advisor conducted by Jnana Prabodhini, Pune.
- Attended National seminar on 'Beyond Horizons: Giftedness in 21<sup>st</sup> century' organized by Jnana Prabodhini, Pune.
- Attended the syllabus restructuring workshop held at Purandare College, Lonawala.
- Worked as a member of co-ordination committee of International seminar on 'Employability, Enhancement through proficiency in Indian & Foreign Languages'.

**Smt. Smita Vaidya**

- Attended the National seminar on Developing Human Potential: Perspectives, Issues and Challenges, organized by Fergusson College, Pune-05.
- Worked as a member of co-ordination committee of International seminar on 'Employability, Enhancement through proficiency in Indian & Foreign Languages'.
- Completed a certificate course in counseling at Christian Counselling Center, Vellore, TamilNadu.

**Mrs. Shradha Sakatkar**

- Attended the National seminar on Experimental Psychology organized by Department of Psychology- University of Pune.
- Worked as a member of co-ordination committee of International seminar on 'Employability, Enhancement through proficiency in Indian & Foreign Languages'.

**Ms. Apeksha K. Gawade**

- Therapy Trio Workshop arranged by the Dept of Psychology- Wadia College, Pune-05.
- Won the third prize in the Intercollegiate Photography Competition held at Modern College, Pune.
- Completed a certificate course in counselling at Christian Counselling Center, Vellore, TamilNadu.

**Dr. Vaishali Mardhekar (visiting faculty)**

- Research paper published in International Journal.

**Mr. Sairaj Patki (visiting faculty)**

- Won the first prize in the Intercollegiate Photography Competition held at Modern College, Pune.
- Worked as a coordinating committee member of National seminar on Experimental Psychology organized by Department of Psychology- University of Pune.

Smt. Neeta Pachange- Lab Assistant; Mr. Suresh Jadhav and Mr. Arun Shindekar- Lab Attendant; and Prasad Salvi- Student from the Earn and Learn Scheme has always cooperated in the smooth functioning of our Department.




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## Department of Statistics

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- 1. Name of the department:** Department of Statistics
- 2. Year of Establishment:**  
B.Sc. Statistics 1979  
B.Com. Statistics (Special) 1970  
M.Com. Statistics (Special) 1979  
M.Sc. Statistics 2009
- 3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):**  
B.Sc. Statistics                      B.Com. Statistics (Special)  
M.Com. Statistics (Special) M.Sc. Statistics
- 4. Names of Interdisciplinary courses and the departments/units involved:**  
Computer Science: A theory paper on Data Mining at M.Sc. Statistics.  
Department of Mathematics: A theory paper on Mathematical Analysis at M.Sc. Statistics.

**5. Annual/ semester/choice based credit system (programme wise):**

B.Sc. Statistics: Semester pattern  
 B.Com. Statistics : Annual Pattern  
 M.Com. Statistics: Semester Pattern  
 M.Sc. Statistics: Semester Pattern

**6. Participation of the department in the courses offered by other Departments:**

Faculty is involved in teaching courses on Biostatistics in the Departments of Botany, Biotechnology, Microbiology and Zoology.

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

- The Department has organized a course entitled 'A certificate course in SAS software' in collaboration with CYTEL Software Company Ltd., Pune.
- The Department has organized a course entitled 'A certificate course in SAS software' in collaboration with Data Science Company Ltd., Pune.

**8. Details of courses / programmes discontinued (if any) with reasons: Nil****9. Number of Teaching posts:**

	Sanctioned	Filled
Professors	-	-
Associate Professors	3	3
Assistant Professors	8	8

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

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D Students guided for the last 4 years
Prof. P. G. Dixit	M.Sc. M.Phil	Associate Professor and Head of the Department	Statistical Process Control and Stochastic Process	36	-
Prof. P.S. Kapre	M.Sc. M.Phil	Associate Professor	Actuarial Statistics	36	-
Dr. M.M. Sane	M.Sc. M.Phil Ph.D.NET	Associate Professor	Statistical Inference	20	-
Prof. R.M. Umrani	M.Sc. SET M.Phil.	Assistant Professor	Sampling Methods	17	-
Prof. A.T.Kamble	M.Sc. M.Phil, SET	Assistant Professor	Directional Data Analysis, Survival Analysis	09	-
Prof. T.N. Choudhary	M.Sc. M.Phil	Assistant Professor	Clinical Trials	11	-
Prof. P.S. Waldhe	M.Sc. SET	Assistant Professor	Linear Algebra and Actuarial Statistics	5	-
Prof. A. S. Chinchankar	M.Sc.	Assistant Professor	Probability Distributions	6	-
Prof. M.A. Kanade	M.Sc.	Assistant Professor	Probability Distributions	5	-
Prof. A. V. Kulkarni	M.Sc.	Assistant Professor	Clinical Trails	3	-
Prof. M. S. Deo	M.Sc.	Assistant Professor	Biostatistics	2	-

**11. List of Senior Visiting Faculty:**

- Dr. G. B. Marathe ( University, Pune)
- Dr. M.S. Prasad (Bharati Vidyapeeth, Pune)
- Dr. S.S. Deo ( University, Pune)
- Prof. A. R. Darekar (Abasaheb Garware College, Pune)
- Prof. M.S. Kasture(New Arts, Commerce Science college, Ahmednagar)
- Mr. Kotkar M.S. (CYTEL Software Pvt. Ltd. Pune)
- Dr. Sachin Adnaik ( S.P. College, Pune)
- Dr. S. G. Purohit ( University, Pune)
- Dr. S. R. Deshmukh ( University, Pune)

**12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: Nil****13. Student -Teacher Ratio (programme wise):**

B.Sc.: 15:1  
 M.Sc.: 12:1

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

Two posts of Faculty Clerk, in the college office are sanctioned and filled.

Technical	Sanctioned	Filled
Class 3	1	1
Class 4	3	3

**15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D./ M.Phil. /PG**

Qualification	PG	M.Phil.	Ph.D.	D.Litt.	D.Sc.
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No. of Staff	5	4	2	-	-
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16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received: Nil

17. Departmental projects funded by DST – FIST, UGC, DBT, ICSSR, etc. and total grants received:

Prof. P.S.Kapare: Co-Director of a Major Research Project entitled 'Emotional Intelligence Among Adolescents: Tool Development Enhancement Through Training and Study of Corellates' funded by ICSSR. Grants approved Rs. 17,00,000/-

18. Research Centre /facility recognized by the University:

The staff members are actively involved in the research activities. The department intends to apply for the Research Centre in the near future.

19. Publications:

Name of the faculty	Papers			Books			Total publications
	International	National	Presented in Conference	International	National/Local	Book chapter	
Prof. P. G. Dixit	-	1	11	-	37	-	49
Prof. P.S. Kapre	-	-	-	-	9	-	9
Prof. A.T.Kamble	5	-	-	-	-	0	5

20. Areas of consultancy and income generated:

Statistical analysis consultancy activity is of non-remunerative and is offered to research students of various faculties. It is not done as a professional service.

21. Faculty as members in

- National committees:
- International Committees:
- Editorial Boards:

22. Student projects

- Percentage of students who have done in house projects including inter departmental/programme: 90% for T.Y. B.Sc. and M.Sc.
- Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: Industry 10% with NSSO, NIBM and Gokhale Institute

23. Awards / Recognitions received by faculty and students:

Teachers:

- Prof. P. S. Kapre: Working as Nodal Officer, AISHE, Delhi.

Students:

- Dr. Rajendra Gurav, a past student of the department was awarded Ph.D. in Statistics from Pune University, Pune-7.
- Ms. Kirti Gaikwad, a past student is appointed in the Central Government in Indian Statistical Services (ISS) as Statistical Officer.
- Mr. Pande Dilip promoted to the post of colonel in Indian Army currently posted in Pune.
- Santosh Payas promoted to Deputy Director in the office of Census. He received appreciation award in the form of medal by President of India for Best Population Census Work.

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

Sr.No.	Date	Name of the guest
1.	29/06/2011	Dr.Anant Patki, Retd. Scientist, ISRO, Bangalore.
2.	27/07/2011	Dr.Vijay Kulkarni, Bharati Vidyapeeth Social Science Department, Pune.
3.	17/12/2011	Dr.J.K.Wani,Calgeri University, Alberta Canada
4.	20/12/2011	Dr. Jayraman, Kerala Forest Research Institute, Kerala.
5.	27/07/2012	Dr. J. V. Deshpande, Former Head, Department Statistics, University of Pune and Professor at Mathematical Institute, Chennai
6.	22/08/2012	Mr.Akshay Dixit, Sonal Dhand, Alpana Dwivedi, Rajaraman (Ultramax Infonet, Pune )
7.	23/08/2012	Dr. M. B. Kulkarni, BYK College, Nasik.
8.	07/09/2012	Dr. M. N. Deshpande, Director and Former Head, Institute of Science, Nagpur.
9.	12/10/2012	Dr. Mohan Kale, Professor of Statistics, Departmnet of Statistics, Pune University.
10.	28/12/2012	Mrs. Sahinta Yeolekar, CYTEL Software Ltd., Pune.
11.	11/02/2013	Dr. Waman H. J., Former Professo of Statistics, Bangalore University, Bangalore.
12.	16/03/2013	Dr. Ashok Shanbhague, Head, Department of Statistics, Sardar Patel University, Anand, Gujrat.
13.	01/05/2013	Dr. M. N. Deshpande and Mr. Gokhale, Ex-Head, Institute of Science , Nagpur.
14.	29/06/2013	Dr. Onkareshwara Prasad, Director, Beuro of Economics and Statistics, Pune.
15.	27/07/2013	Mr. H.N. Patil, Senior Statistician, MSRTC, Pune.
16.	24/08/2013	Mr. Potnis, CEO, NITOR Software Company, Pune. Ms. Kirti Gaikwad, ISS Officer, ISI, Delhi.

**25. Seminars/ Conferences/Workshops organized & the source of funding:**

- National: 3 Workshops
- International: 1 Pre-conference
- State: 1 Workshop
- District: 2 Workshops (At University Level)

Sr. No.	Year	Name	Source of Funding
1	2009-10	Five days Refresher training on Biostatistics for ISS officers.	Ministry of Statistics and Programme Implementation, Delhi.
2	2010-11	National Workshop on Medical Statistics and Clinical Trials (Dr. PV. Sukhatme Birth centenary memorial)	Pune University
3	2012-13	National Workshop on Careers in Statistics (International Statistics Year)	Students' Welfare Pune University

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

Name of the Course/programme	Applications received	Selected	Enrolled		Pass %
			M	F	
2010-2011	297	81	55	26	84.21
2011-2012	361	92	46	46	100
2012-2013	326	79	35	44	96.42

**M.Sc.**

Name of the Course/programme	Applications received	Selected	Enrolled		Pass %
			M	F	
2010-2011	145	26	8	18	63.15
2011-2012	135	30	7	23	80.00
2012-2013	155	30	9	21	55.55

**27. Diversity of Students:****B.Sc.**

Year	% of students from the same state	% of students from other States	% of students from abroad
2010-2011	100	Nil	Nil
2011-2012	100	Nil	Nil
2012-2013	100	Nil	Nil

**M.Sc.**

Year	% of students from the same state	% of students from other States	% of students from abroad
2010-2011	98.21	1.79	0.00
2011-2012	98.21	1.79	0.00
2012-2013	100.00	0.00	0.00

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

Name of examination	No. of students
SET	02
Civil Services	01

**29. Student progression**

Student progression	Against % enrolled
UG to PG	50-55%
PG to M.Phil	-
PG to Ph.D	-
Ph.D. to Post-Doctoral	-
<b>Employed</b>	
• Campus selection	22-25%
• Other than campus Recruitment	20%
Entrepreneurship/Self-employment	5%

**30. Details of Infrastructural facilities:**

- Library: Departmental Library and the Central Library of the college
- Internet facilities for Staff & Students: Yes, 10 mbps leased line for internet
- Class rooms with ICT facility: 03
- Laboratory: Yes

**31. Number of students receiving financial assistance from college, University, government or other agencies:**

The figures represent the total number of students of the Science Faculty and the Post Graduate students of the department.

Year	Total number of students
2010-11	52
2011-12	69
2012-13	63

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

- Guest lectures by eminent resource person in statistical field are organized by the department for students.
- Statistics Fest : Department organizes every year a Statistical Fest for S.Y., T.Y. B.Sc., M.Sc.(I and II) Students. Case studies, Quize, Statistical Crossword, puzzle solving and Guest Lectures are the events of this fest.
- Quiz Competition for F.Y. B.Sc., F.Y. B.Sc. (Computer Science) and S. Y. B.Sc. is organized every year.
- Final round of Intercollegiate Quize Competiton was arranged for two years.

**33. Teaching methods adopted to improve student learning:**

- Assignments
- Problem Corner
- Seminars
- Power Point Presentations
- Projects

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

Prof. P.G. Dixit is Secretary of Advisory Board for NGO Students Welfare Association, Pune. He is also a member of Excecutive Council of Schizophrenia Awareness Association, Pune.

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

- Laptops are provided to all the student for the practical sessions
- Availibility of statistical softwares like SPSS, R, Minitab and Matlab
- Varied and enriched co-curricular activities

**Weakness:**

- Placement activity at departmental level needs to be strengthened.

**Opportunities:**

- Increasing demand of statisticians in various fields including IT sector
- The department has potential to give remunerative consultancy
- Enhancing the quality of education, through the collaborative activity with Pune University, IISER Pune and University of Melbourne, Australia, for conducting B.Sc. Blended course.

**Challenges:**

- It is difficult to obtain real data from industries for the projects by students
- Genuine multifactorial limitations of the students coming from varied socio-economic background creates heterogeneity in the class and addressing the needs of all of them in the same class is a challenging task.

**Future plan:**

- Enhancing the placement activity
- Prepare study material for newly introduced theory papers in the syllabi
- To use statistical softwares for conducting all the practicals of UG classes

**Departmental Activity:**

Department of Statistics has organized the following academic activities during the year 2012-13.

**As a part of celebration of International Statistics Year a calendar for 2013 including eminent statisticians' contribution was prepared.**

**1. Academic Activities and Achievements of Students:**

Department of Statistics, Modern college, Pune -05. and Pune University Statistics Association ( PUSA) jointly organized the following activities.

**A) Quiz :**

F.Y. B.Sc., F.Y. B.Sc. ( Computer Science) and S. Y. B.Sc. Quiz Round I was organized on 19<sup>th</sup> January 2013. Second round of S.Y. B.Sc. Quiz was conducted on 24<sup>th</sup> February 2013 at New Arts, Commerce and Science College Ahmednagar.

**Result of the Quiz was as follows:**

Class	Names of the Students	Result
F.Y. B.Sc.	Ms. Priyanka Kulkarni	Acquired I <sup>st</sup> rank
F.Y.B. Sc.(Comp. Science)	1.Ms. Shraddha Gaikwad 2.Mr.Manish Wagh	Acquired Ist Rank Acquired IInd Rank
S.Y. B.Sc.	1. Ms. Farad Bhakti 2. Ms. Sawant Vidya 3. Ms. Tilekar Vasundhara	Selected for the second round.

**B) Project Competition :**One project of T.Y. B.Sc. students was submitted in the first round of project competition organized by PUSA at S.P. college Pune 30. The project entitled " Statistical Survey of rape cases " done by Ms. Sana Shaikh, Ms. Anuradha Bhandare, Ms.Sujata Temgire and Ms. Uzma Kazi. was selected for final round conducted on 11<sup>th</sup> March 2013 at S.P.College Pune 30. Prof. Asmita Kamble guided the project.

**C) Internship and Training :**

1. Mr. Anup Pillai, Mr. Prashant Kulkarni Ms. Varsha Dhore, Ms. Meghana Sane and Mr. Yogesh Brahme of M.Sc. II worked in the project by SEARCH foundation at Gadchiroli on 4<sup>th</sup> June to 26<sup>th</sup> June 2012.
2. Mr. Prashant Kulkarni and Anup Pillai of M.Sc. II were selected for 5 days training program at National Academy of Statistical Administration (NASA), Dehli on 19<sup>th</sup> to 25<sup>th</sup> January 2013.
3. Miss Mukta Thorat of M.Sc. II completed summer training at NIBM, Kondhava, Pune.
4. Ms. Sayalee Diwane and Ms. Shweta Singh of M.Sc. II were selected by Government of India for two months training program at National Sample Survey organization (NSSO) Akurdi, Pune.
5. Ms. Sana Shaikh, Ms. Uzma Kazi (T.Y. B.Sc.) presented an exhibit on Application of Hyper geometric Distribution (Dart Experiment) in the Science Association at College, on 11<sup>th</sup> September 2012
6. Ms. Sujata Temgire and Anuradha Bhandare (T.Y. B.Sc.) presented an exhibit on Application of Hyper geometric Distribution (Capture, Recapture method.) in the Science Association at College, on 11<sup>th</sup> September 2012.
7. Mr. Ranjitsinh Patil, Mr. Ganesh Landge and Mr. Mahesh Shinde (T.Y.B.Sc.) presented an exhibit on Application of Assignment Problem in the Science Association at College on 11<sup>th</sup> September 2012
8. Ms. Anjali Kulkarni and Ms. Vaishali Jejurkar M.Sc. II) participated in project competition organized by Science Association at college and won 1<sup>st</sup> prize on 22<sup>nd</sup> February 2013.
9. Mr. Yogesh Brahme and Mr. Samadhan Ghubade (M.Sc. II) participated and won 3<sup>rd</sup> prize at the project competition organized by Science Association at college on 22<sup>nd</sup> February 2013.

**2. Workshops Organized**

- a) 2012-13 : January 2013 – Department has organized workshop on Careers in Statistics as a part of celebration International Statistics Year. It was funded by Board of Students' Welfare, University of Pune.
- b) Syllabi revision workshop for M.Sc./ M.A. statistics was organized on 1<sup>st</sup> and 2<sup>nd</sup> March 2013. \*Separate reports are attached.

**3. Guest Lectures Organized:**

Sr. No.	Date	Name of the Guest	Topic
1	27/07/2012	Dr. J. V. Deshpande	Lecture on Dr. P. V. Sukhatme's Contribution to statistics
2	22/08/2012	Mr. Akshay Dixit, Sonal Dhand, Alpana Dwivedi, Rajaraman ( Ultramax Infonet )	A statistical software SAS
3	23/08/2012	Dr. M. B. Kulkarni	Lecture on Astrology and Statistics
4	07/09/2012	Dr. M. N. Deshpande	Statistics and Fun
5	12/10/2012	Dr. Mohan Kale	Applications of Markov Chain
6	28/12/2012	Mrs. Sahinta Yeolekar	Clinical Trials
7	11/02/2013	Dr. Waman H. J.	Career Opportunities in Statistics
8	16/03/2013	Dr. Ashok Shanbhague	Uniformly Minimum Variance Unbiased Estimators (UMVUE)

**4. Workshops, Seminars Participation and worked as resource person:****A) Prof. P. G. Dixit had Worked as resource person.**

He delivered a lectures at the following workshops and conferences

- i) On Industrial Statistics at National Sample Survey Organization(NSSO), Akurdi, Pune. on 29<sup>th</sup> June on the occasion of Statistics day.
- ii) At state level workshop at Institute of Science Nagpur on 24<sup>th</sup> and 25<sup>th</sup> August 2012.
- iii) On optimization techniques at T. C. College, Baramati on 3<sup>rd</sup> October 2013.
- iv) On CPM, PERT at PVP College, Pravaranagar on 6<sup>th</sup> October 2013.
- v) On numerical integration using simulation at National Conference at Bhartai Vidyapeeth, Pune on 18<sup>th</sup> December 2012.
- vi) On biostatistics at National Seminar on Research guidance for young researchers, New Arts, Science and Commerce College, Parner on 21<sup>st</sup> January 2013.
- vii) Sangameshwar College Solapur at National Conference, on 4<sup>th</sup> and 5<sup>th</sup> January 2013.
- viii) On "Analysis of multiple answers using preferences in questionnaire" at "Statistics in Action" international workshop arranged at Yashwantrao Chavan Open University, Nashik on 7<sup>th</sup> to 10<sup>th</sup> March 2013.
- ix) On efficiency of control charts at New Arts, Commerce and Science College, Ahmednagar.

**Prof. P. G. Dixit: Attended the following workshop and seminars.**

- i) Attended workshop on SAS organized by Ultramax Info net Education, Aundh Pune on 28<sup>th</sup> July 2012.
- ii) Attended workshop on choice credit based System at C. T. Bora College Shirur on 15<sup>th</sup> January 2013
- iii) Attended the workshop at T.C. College, Baramati on 14<sup>th</sup>, 15<sup>th</sup> and 16<sup>th</sup> February 2013 as a member organizing committee.
- iv) Attended International conference on employability enhancement through proficiency in Indian and foreign languages from 28<sup>th</sup> to 30<sup>th</sup> January 2013 at Modern College, Pune as an organizing committee member.
- v) Attended workshop at Abasaheb Garware College, Pune on Syllabi Revision on 27<sup>th</sup> February 2013.
- vi) Prof. P. G. Dixit was evaluator at S. Y. B. Sc. Quiz Round II on 24<sup>th</sup> February 2013.
- vii) Attended National workshop at Fergusson College on 15<sup>th</sup> and 16<sup>th</sup> March 2013 as an organizing committee member.

**B) Dr. A. A. Dharmadhikari**

- i) Participated in a one day workshop on SAS Analysis conducted by Ultramax Info net Education, Aundh, Pune on 28<sup>th</sup> July 2012.
- ii) Worked as invited Resource person at the workshop on Syllabus Revision of Statistics and Computer Applications of F.Y. B. Com. at Prof. Ramkrishna More Arts, Science and Commerce College Akurdi, Pune on 12<sup>th</sup> February 2013.

**C) Prof. P. S. Kapre**

- i) Participated in national workshop on "Recent Trends in Applied Statistics" held at Yashwantrao Chavan Institute, Satara

during 14<sup>th</sup> to 15<sup>th</sup> December 2012.

- ii) Worked as a judge for poster competition in the event statistica held in Abasaheb Garware College, Pune -04. On 15<sup>th</sup> January 2013.
- iii) Attended workshop on cooperative learning as applied to class room teaching in Modern college, Shivajinagar, Pune - 05. On 8<sup>th</sup> February 2013.
- iv) Worked as an evaluator for the activity Elocution in the New Arts, Commerce and Science college, Ahmednagar on 24<sup>th</sup> February 2013.
- v) Attended workshop on syllabi revision of FY BA, B.Sc. B.Sc. (Comp.Science) at Fergusson College, Pune at 12<sup>th</sup> February 2013.
- vi) Attended National workshop at Fergusson College on 15<sup>th</sup> and 16<sup>th</sup> March 2013.

#### **D) Dr. M. M. Sane :**

- i) Attended workshop on Revision of Syllabus F. Y. B.Sc. at Abasaheb Garware College, Pune on 27<sup>th</sup> February 2013.
- ii) Attended workshop on syllabi revision for M.Sc./ M.A. statistics at Modern College, Pune -05 on 1<sup>st</sup> and 2<sup>nd</sup> March 2013.
- iii) Dr. M. M. Sane worked as resource person (delivered 6 lectures) in a workshop on advanced biostatistics organized by Sanjay Gandhi Post -graduate Institute of Medical Science, Luknow and National Institute of Health, USA. On 19<sup>th</sup> to 21<sup>st</sup> November 2012.

#### **E) Prof. A.T. Kamble**

- i) Workshop on Reliability, Survival Analysis and Industrial Statistics at University of Pune, during 9<sup>th</sup> -10<sup>th</sup> November, 2012.
- ii) A one day workshop on credit system at Abasaheb Garware College, on 27<sup>th</sup> February 2013.

#### **F) Prof. T. N. Choudhary**

- i) Participated in a one day workshop on SAS Analysis conducted by Ultramax Info net Education, Aundh, Pune on 28<sup>th</sup> July 2012
- ii) Attended workshop on Revision of Syllabus F. Y. B.Sc. at Abasaheb Garware College, Pune on 27<sup>th</sup> February 2013.

#### **G) Prof. M. A. Kanade**

Prof. Mayura Kanade attended workshop on Syllabi revision of F Y B.Com.at Akurdi on 12<sup>th</sup> February 2013.

#### **5) Achievements and Publications.**

- i) Prof. P. G. Dixit is nominated as a member of Syllabi Revision committee at Shree Ramanand Tirth University, Nanded and SNDT University, Mumbai.
- ii) Prof. P. G. Dixit is nominated as a member of Board Studies in Statistics at an autonomous institute R L Science college Belgum, Karnataka.
- iii) Published a research paper by Dr. A. A. Dharmadhikari  
Title: Effect of (rational) prayer on fetus and mother in journal of Prenatal and Perinatal Psychology and Health, Vol.27 No.2 Winter pp 81-96 December 2012.
- iv) Dr. A. A. Dharmadhikari wrote one chapter in the textbook of Mathematics and Statistics for Std. XII (upgraded syllabus) of H.S.C. Board.
- v) Dr. A. A. Dharmadhikari prepared practical problems and examples for the practical Book of Statistics for std. XII (upgraded syllabus) of H.S.C. Board.
- vi) Mrs. Mangala Salunke : The class IV employee has completed Modi Script certificate course and attended workshop on Basic Skills in Counseling on 17<sup>th</sup> to 19<sup>th</sup> January 2013.at Intsitude for Human Relations, Counseling and Psychotherapy, Vellore, Tamilnadu.

#### **6. Campus Interviews**

The campus interviews were conducted by

- i) Premier Biosoft, Indore on a18th October 2012 at the Department of Statistics.
- ii) E solve e tutoring company on 9<sup>th</sup> February 2013 at the Department of Statistics.
- iii) Technit e- solution company on 21<sup>st</sup> March 2013 at the Department of Statistics.

#### **7. Miscellaneous**

- i) Prof. P.S.Kapre was appointed as nodal officer of Modern college for all India survey on higher education by M.H.R.D.Govt. of India.
- ii) Prof. P.S. Kapre worked as Chairman of Time Table committee.
- iii) Prof. P.S. Kapre worked as member of examination and Students' Welfare committies.
- iv) Prof. P. G. Dixit worked as, Chairman of Gymkhana Committee.
- v) Prof. P.G. Dixit worked as , Member of Unfair means committee.
- vi) Dr. A. A. Dharmadhikari worked as member of Library Committee and Committee for Induction of First Years student.
- vii) Dr. A. A. Dharmadhikari arranged one Induction program by Mr. C. E. Potnis for F.Y. B. Sc. and B.Sc. (Comp. Science) students.
- viii) Dr. Manisha Sane worked as, co-ordinator for Annual Prize Distribution Committee (Academic).
- ix) Dr. Manisha Sane worked as, advisor Science Association committee.
- x) Dr. MAnisha Sane worked as Chairperson of Result Analysis Committee
- xi) Prof. Asmita Kamble worked as, member of Science Association.

#### **8. Prizes:**

**(A) V.R.Dhongade prize:** Ms. Farad Bhakti (F. Y. B.Sc.)

**(B) V.R. Prayag prize:** Ms. Priyanka Muluk (T.Y. B.Sc.)

**(C) Late sau Indirabai Chirputkar prize:** (i) Ms. Priyanka Muluk (S.Y.B.sc.)

**(D) Late Nirmala Potnis Prize:** (i) Ms Jyoti Akhade (T.Y.B.sc); (ii) Ms.Gitali Katare (T.Y.B.com.)

**(E) Mahendra Takalkar (Past Student):** Ms. Devaki Joshi ( M.Sc.)

#### **Report of workshop on arranged on 12<sup>th</sup> and 13<sup>th</sup> January 2013:**

As a part of celebration of 2013 as **International Statistics Year**, for promoting the practice and profession of statistics , the Department of Statistics of Modern College of Arts, Science and Commerce, Shivajinagar, Pune-5 organized a workshop

on 12 th and 13 th January 2013 on “Careers in Statistics”

There were 200 participants from colleges and postgraduate departments all over Maharashtra State (India).The following activities were conducted.

**Case studies/situation analysis:** The activity was conducted by Dr.M.B.Kulkarni (BYK College Nasik) and Dr. Palanichamy (Director, Kendle Data and Tecnologies Private limited ,Gujrath India). The following were some situations given to suggest solution using statistical tools:

- (a) Detection of petroleum adulteration using the maker which is added in petrol.
- (b) Assessment of AIDS awareness programme.
- (c) Comparison of test drug with placebo.
- (d) Examine the effect of various factors on conception rate of artificially inseminated cows .

**Mock Interviews:** Mock interviews were conducted by Dr. Anil Gore (Vice president ,CYTEL software and services company ,Pune) and Dr. Palanichamy to give an experience, how the depth of knowledge of candidate is judged. Mr .Ajay Sathe (CEO, CYTEL software and services company, Pune) had shown the pre- recorded video clippings of a bad interview and a good interview.

**Poster Competition:** In all 36 posters were received and presented by participants on variety of subjects. These included graphical representation of data and analysis summarized in table.

The examples included the data on different crops, child labour ,suicides, ecology, insurance, demography, inflation, facebook and tweeter users data , economic data Indian and world , can astrology be regarded as science?

**Statisticians’ Calendar:** A souvenir in the form of desk calendar containing the information of top 12 statisticians about their valuable research contribution was released. In January the information about Karl Pearson is given, in the subsequent months respectively, we have included information about Weibull, R A Fisher ,P C Mahalanobis , Jerzy Neyman ,R .C.Bose, Abraham Wald, A .N .Kolmogorov, P.V.Sukhatme, C.R.Rao, D.R.Cox. . December contains information about Genichi Taguchi. The order of inclusion of statisticians is according to their birth dates.

**Report of “Syllabi Revision Workshop”:**

**Dates: 1<sup>st</sup> and 2<sup>nd</sup> January 2013.**

**Number of participants : 23**

As per letter by Director, BCUD, University of Pune ( Ref. NO. C.B. S. 54 dt 23/01/2013) and the letter by Chairperson, Board Of Studies in Statistics (23/02/2013), we have arranged the above workshop on 1<sup>st</sup> and 2<sup>nd</sup> March 2013. There were in all 23 participants including resource persons from Pune, Ahmednagar and Baramati. The main theme was to prepare a choice based credit system syllabi. Due to the vast experience and deep knowledge of resource persons, we received valuable inputs and suggestions. It enabled us to prepare a draft syllabi and the broad structure. The detailed syllabi for semester I and II is prepared for further consideration. In all seven resource persons guided the participants.

We thank university authorities, Dr. V. B. Gaikwad. Director BCUD, Dr. K. V. Mohite Dean, Faculty of Science, Dr. S. R. Deshmukh Chairperson Board Of Studies in Statistics for their valuable guidance and support.

## Department of Zoology

1. **Name of the department:** Department of Zoology
2. **Year of Establishment:** 1970
3. **Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):**  
B.Sc. Zoology  
M.Sc.Zoology  
Ph.D. Zoology
4. **Names of Interdisciplinary courses and the departments/units involved:** Nil
5. **Annual/semester/choice based credit system(programme wise):**  
F.Y. B.Sc. : Annual Pattern  
S.Y. and T.Y. B.Sc.: Semester Pattern  
M.Sc.Zoology – Semester Pattern
6. **Participation of the department in the courses offered by other Departments:**  
Few of staff members conduct lectures and practical sessions in Zoology for the UG and PG students at the departments of Biotechnology, Agri-Biotechnology and Microbiology.  
Animal Diversity and Systematics, Embryology, Applied Zoology: Department of Biotechnology.  
Developmental Biology: Department of Microbiology.  
Applied Zoology, Entomology: Department of Agri-Biotechnology.
7. **Courses in collaboration with other universities,industries,foreign institutions,:**  
Our department conducts Integrated Vermitechnology Training Course (IVTC), two batches per year in collaboration with Praj Foundation, Pune and Institute of Natural Organic Agriculture (INORA), Pune.
8. **Details of courses / programmes discontinued (if any) with reasons:** Nil
9. **Number of Teaching posts:**

	Sanctioned	Filled
Professors	-	-
Associate Professors	01	01
Asst. Professors	08	08

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

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D Students guided for the last 4 years
Dr. H.V.Ghate	M.Sc., Ph.D.	Head of the department	Developmental Biology	33	5
Dr. A.M.Bhalerao	M.Sc., Ph.D.	Associate Professor	Entomology	32	-
Prof. Narendra Madhukar Naidu	M.Sc. M. Phil.	Associate Professor	Developmental Biology	29	-
Prof. Bharat Thalu Kalbage	M.Sc.	Assistant Professor	Cell Biology	19	-
Dr. Yugandhar Satish Shinde	M.Sc. Ph.D.	Assistant Professor	Developmental Biology & Entomology	3	-
Dr. Pappu Sawleram Kudnar	M.Sc. Ph.D.	Assistant Professor	Entomology	3	-
Dr. Ananda A Babrekar	M.Sc. Ph.D.	Assistant Professor	Entomology	3	-
Prof. Netra D. Kulkarni	M.Sc., SET.	Assistant Professor	Zoology	3	-
Prof. Pallavi K. Shewale	M.Sc.	Assistant Professor	Zoology	1	-
Prof. Anushree Karmarkar	M.Sc.	Assistant Professor	Zoology	1	-
Dr. Shubhangi S Puranik	M.Sc., Ph.D.	Assistant Professor	Zoology	11	-

**11. List of Senior Visiting Faculty:**

- Dr. Hemant V. Ghate, Eminent Professor
- Dr. Arun M. Bhalerao, Eminent Professor
- Dr. Sushama J. Thatte, Eminent Professor
- Prof. B. B. Nath, Eminent Professor

**12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: Nil****13. Student-Teacher Ratio (programme wise):**

B.Sc. : 15:1

M.Sc. : 12:1

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

Two posts of Faculty Clerk, in the college office are sanctioned and filled.

Technical	Sanctioned	Filled
Class 3	1	1
Class 4	4	4

**15. Qualifications of teaching faculty with D.Sc./D.Litt./Ph.D./MPhil/PG**

Qualification	PG	M.Phil.	Ph.D.	D.Litt.	D.Sc.
No. of Staff	4	1	4	-	-

**16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received:**

- Dr. Yugandhar S. Shinde has been awarded a Minor Research Project worth Rs. 2.2 lakhs from BCUD, Pune University.

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

- Dr. H. V. Ghate has guided a Woman Scientist (Mrs. Gauri Sathye) working on project specially designed for women by Department of Science and Technology. (WSO-B of DST: 2011-2013)
- Dr. H. V. Ghate also guided a Post-Doctoral fellow (Dr. Sanket Tembe) working on DNA Barcoding of bugs. His work is funded by Department of Biotechnology (DBT Post-Doc 2011-2013)

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

Department of Zoology of our college has one of the oldest Post Graduate Research Centre affiliated to the Pune University. It has a recognized centre for research in Zoology.

**19. Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database-International Social Sciences Directory, EBSCO host, etc.):**

Name of the faculty	Papers			Books			Total publications	Total impact factor	Total citation	h-Index
	International	National	Presented in Conference	International	National/Local	Book chapter				
Dr. Hemant Ghate	15	27	-	-	-	1	43	-	607	14
Prof. Narendra Madhukar Naidu	-	1	-	-	-	-	-	-	-	1
Dr. Yugandhar Satish Shinde	2	-	1	-	-	-	3	-	3	1
Dr. Pappu Sawleram Kudnar	-	-	2	-	-	-	2	-	-	-

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

- Taxonomy and Biodiversity (Dr. H.V. Ghate and Dr. A.M. Bhalerao)
- Maharashtra Pollution Control Board (Dr. A.M. Bhalerao)
- Vermitechnology and Waste management (Mr. Narendra M. Naidu). Currently, it is a non-remunerative consultancy.

**21. Faculty as members in**

- a) National committees: Nil

**b) International Committees:** Nil**c) Editorial Boards :**

- Prof. N.M.Naidu was the Joint Editor for the Proceedings of the International Conference on 'Innovations in Teaching, Learning and Evaluation in Higher Education', organized by our college. He is also the Editor of the College Annual Magazine since last three years.
- Dr. Hemant V. Ghate as reviewer for International Journals- Zootaxa, Zoological Journal, Taprobanica Indian Journals - Journal of Threatened Taxa, Biosystematica.
- Dr. Yugandhar S.Shinde- Reviewer- Zootaxa.

**22. Student projects****a) Percentage of students who have done in-house projects including interdepartmental/programme:**

Approximate 20% students from F.Y. and S.Y. B.Sc. are involved in projects with Zoology department. More than 60% T.Y. B.Sc. Zoology students have done in- house departmental projects

**b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies:**

About 18% T.Y. B.Sc. Zoology students have done/ doing project outside institute.

**23. Awards/Recognitions received by faculty and students:****Dr. H.V.Ghate**

- Receptient of the 'Best Teacher Award' by the Government of Maharashtra in 2010

**Awards by the students**

- Manali Gudmeti of T.Y.B.Sc. was the topper in T.Y.B.Sc.Zoology for the year 2011-12. She bagged the Prof.Mora Teja Chauhan Prize.

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

- Magnus Apelqvist, Jönköping University, Sweden (Jan. 2010)
- Prof. (Mrs.) Dipsikha Bora, Dibrugarh University, India (Nov. 2010)
- Dr. Kailash Chandra, Zoological Survey of India, India (Oct. 2012)
- Dr. Bulganin Mitra, Zoological Survey of India, India (Nov. 2012)

**25. Seminars/Conferences/Workshops organized & the source of funding:**

- National:** Nil
- International:** 01 International Conference on Innovations in Teaching Learning and Evaluations in Higher Education, funded by Pune University, Pune.
- State:** Nil.

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

Name of the Course/ programme	Applications received	Selected	Enrolled		Pass %
			M	F	
2010-2011	297	163	50	113	81.81
2011-2012	361	158	44	114	81.81
2012-2013	326	156	42	114	80.00

**27. Diversity of Students:****B.Sc.**

Year	% of students from the same state	% of students from other States	% of students from abroad
2010-2011	100	Nil	Nil
2011-2012	100	Nil	Nil
2012-2013	100	Nil	Nil

**28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.?:**

NET: 01, GRE: 01

**29. Student progression**

Student progression	Against % enrolled
UG to PG	44
PG to M.Phil	-
PG to Ph.D	2
Ph.D to Post-Doctoral	2
<b>Employed</b>	
• Campus selection	-
• Other than campus Recruitment	-
Entrepreneurship/ Self-employment	-

**30. Details of Infrastructural facilities:**

- Library : i) Stacking cupboards for books ii) Laboratory space for reading whenever available.
- Internet facilities for Staff & Students: Six separate ports of internet available within the laboratory. 10 mbps leased line for internet connection with Wi-Fi.
- Class rooms with ICT facility: All the three classrooms where courses in Zoology conducted have ICT facilities.
- Laboratories: Two laboratories for under graduate level and one laboratory for PGRC.

**31. Number of students receiving financial assistance from college, University, government or other agencies:**

Year	Total number of students
2010-11	49
2011-12	67
2012-13	57

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

- Visit to Ralegan Siddhi, an ideal village developed by the villagers inspired and guided by the great social worker Shri. Anna Hazare.
- Visit to the College of Agriculture and Central Bee Research and Training Institute, Pune.
- One-day educational trip to Shirgaon and areas nearby the backwaters of Pawana Dam with the intention of studying biodiversity of water bodies.
- Visit to Fish-Seed Farm at Hadapsar.
- Visit to Bio- Era at Tathavade, Chinchwad, to have know-how of new equipment purchased by our college in the recent past and also to get familiar with sophisticated instruments and techniques in advanced biology.
- Integrated Vermitechnology Training Course-two batches per year
- A lecture by Dr. Bhuvanesh Awasthi on 'How do we 'see' this world--Neuroscience of visual perception'
- Formal and informal interaction sessions of the past students were organized for the benefit of the present students of final year. Mr. Aditya Takale, Mr. Rohit Nagalgaon, Mr. Rajan Thakur, Mr. Shashank Nambiar and Ms. Ushma Shukla shared their experiences.
- A Guest lecture by Mr. Vinayak Kelkar, PRAJ foundation, Mr. Abhijit Deshmukh of Sai Samartha Seva and Dr. Mrs. Manju Tadwalkar, INORA, on urban waste management training for the benefit of UG students.
- ZooVision – An exhibition of models and charts related to Zoology

**Activities carried out under UGC-CPE Scheme:**

- For effective teaching during practicals, e-learning material was prepared. Departmental staff members and undergraduate students dissected different animals viz. Earthworm, Starfish, Scoliodon, Pila, and Grasshopper and also prepared whole mount of chick embryo. Video recording of the dissection steps was done.
- Guest lecturers of following eminent personalities from industries and research institutes were arranged.

**Activities carried out under DBT-STAR College Scheme:****Lecture series under DBT-STAR college:**

Sr.No.	Date	Resource Person	Topic
1.	15/07/2013	Dr. Abhijeet A. Safai	Clinical Endocrinology
2.	30/07/2013	Dr. A. A. Babrekar	Cytogenetics
3.	10/08/2013	Mr. Sachin Ranade	Vulture conservation
4.	05/09/2013	Ms. Sohini Vanjari	Conservation genetics of butterflies
5.	13/12/2013	Ms. A. Pradhan	Career opportunities in Hospital Management
6.	28/12/2013	Dr. S. M. Ghaskadbi	Developmental mechanism underlying evolution of body plan in animals

**Quiz Contests:**

In the month of December 2013 quiz named **ZooQuiz**, based on undergraduate Zoology syllabus was conducted. A written quiz was held for elimination and then the Team event was conducted.

**Projects for Students:**

- Each staff member of the department has taken responsibility of a group of interested students and simple projects in Life-Sciences have been assigned to them. Areas covered are freshwater fauna, biodiversity of spiders, experiments in vermiculture, survey methodology, basic entomology, life-cycle study of certain insects, physico-chemical properties of rivers and nearby agricultural soil and their effects on freshwater fauna, basic anthropology and *Drosophila* culture.
- Two students had Hands on-training in Pathology and three students in Dietetics.
- Extra- practicals (out of syllabus) were conducted for F.Y. BSc. students and also for T.Y. BSc. Students. Staff members from Department of Biotechnology and Department of Microbiology extended their full cooperation in this activity.

**Special Workshop on Microscopy:**

A two-day workshop on Microscopy was organized by our department in collaboration with the Department of Zoology, Pune University, for the last three years in two batches.

Dr. B. B. Nath, Professor and Head of the Department of Zoology, Pune University conducted this workshop very effectively. The participants had hands-on-training experience on microscopy. His research students Dr. Leena Thorat, Dr. Rahul Gaikwad and Ms. Pallavi Gaikwad also conducted few practical sessions during the workshop.

The sessions of the second day were conducted at the Department of Zoology, Pune University. Dr. P. S. Kudnar worked as the Coordinator, under the guidance of Narendra M. Naidu.

**Activities of the Post-Graduate Research Centre (PGRC):**

- Prof. Rahul Gaikwad participated in "Avishkar" competition, Pune University. He was selected for the Final round at

Jalgaon.

- Dr. P. S. Kudnar presented a research paper entitled "Study of nutritional potential of zooplankton *Moina macracopa*" at the State level seminar held on 27th -28th Dec.2013 at New Arts, Commerce and Science College, Shevgaon.
- Dr. Y. S. Shinde presented a paper at "International Conference on Biosciences with Special Reference to Environmental Issues" (ICBEI-2013) Department of Zoology, Shivaji University, Kolhapur (MS) India (December, 19-21, 2013)
- Ph.D. research students enrolled in our P.G.R.C. submitted their half yearly progress report.
- Dr. H. V. Ghate and Mr. N.M. Naidu published their research paper in International Journal.
- Mr.N.M.Naidu went for Survey work to places in around Kolhapur and Beed.He also made a Study visit to ZSI, Kolkata.
- Dr. Y. S. Shinde has submitted minor research project to BCUD, Pune University
- Prof. B.T. Kalbage registered for Ph.D. under Pune University

#### **Alumni activities**

- Past students visited our department for delivering lectures and often for informal interaction with the present batches. These were Dr.Ananda Babrekar, Dr.Bhuvanesh Awasthi, Mr.Sachin Ranade, Dr.Manisha Modak, Dr.Mandar Kulkarni, Dr. Meghana Kanitkar, Mr.Sachin Borse, Mrs.Manuja Mundhe and Miss Apeksha Rao.
- Four students viz. Ashutosh Alekar, Pallavi Shewale, Prashant Gundal and Sneha Kamat, from the previous batch, under the guidance of Dr.Shinde designed and prepared a display chart on Career Opportunities in Zoology.
- Pallavi Shewale was the topper in theT.Y.BSc.Zoology batch of the year 2012-13.She bagged the Prof.Mora Teja Chauhan Prize.
- The entire year was full of activities which kept the students , non-teaching staff and teaching staff busy and active throughout the academic calendar

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

- ITC
- Models Charts, preserved specimens
- Demonstration in groups of preserved dissected specimen.
- Field visits
- Institutional visits
- Guest lecturers- Invited- Visits of national and international experts.
- Quiz based on syllabus
- Student seminar
- Group discussions
- Students Projects
- Research environment /active involvement of staff in PhD/ postdoctoral research
- Library facility
- Home assignments
- Remedial coaching
- Revision of practical
- Alumni

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

- Our department conducts Vermitechnology course (IVTC) and extension work of the same.
- Department also collaborates with NSS for Vasundhara Environmental Film Festival, waste management and other social issues.
- Extension work on Health and hygiene for school students of rural as well as slum area also carried out.
- Our faculty conducted a workshop for school students, in order to increase scientific temperament and research attitude among them.
- Prof. N. M. Naidu is actively associated with Baba Amte's Anandwan and a Spiritual organization 'Chinmaya Mission'. Hence, several activities for the benefit of students and staff in the areas of social work and value based education are regularly arranged. These programmes sensitize our students about social issues and also help them in personality development.

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

##### **Strength:**

- Our department has the oldest Post Graduate Research Centre in the college. It has maintained reputation of being one of the best research centres in Zoology under Pune University.
- Retired teachers of our department are often invited as visiting faculty. They are available for academic and administrative guidance whenever it is necessary.
- Alumni of the department informally visit the department and interact with the staff and students. Our past students who have noteworthy achievements are formally invited to deliver talks and motivate the present students for academic pursuits.
- The department has strong bonds with educational and research institutes, NGOs and other organizations since beginning. These contacts prove useful to organized several programmes for students.
- Dr. H.V. Ghate and Dr. A. M. Bhalerao contributed in Board of Studies.
- Zoology Association is active in arranging lectures, workshop, contests and exhibitions.

##### **Weakness:**

- Placement activity at departmental level needs to be strengthened.

##### **Opportunities:**

- Funds received from various funding agencies DBT/UGC/BSR etc. are useful to involve students and staff in research projects, contests and several other academic activities without financial constraints.
- The department can launch new activities in research and teaching for the benefit of students.
- Enhancing the quality of education, through the collaborative activity with Pune University, IISER Pune and University of Melbourne, Australia, for conducting B.Sc. Blended course.

#### Challenges:

- Ban on dissections on animals has lead to searching alternatives for such practicals with respect to understanding anatomy and also the skill needed in dissections.
- Issues related to environmental and biodiversity are increasing recently. The teaching and inputs in syllabus need to immediately address these issues.
- Most of the animal types included in the syllabus are exotic species. It is essential that description of Indigenous fauna be added in the syllabus.
- Considering the advances in practicals of Molecular Biology, Cell Biology, Developmental Biology and Biochemistry, all concerned staff should undergo rigorous hands-on training so as to impart the best to their students.
- Genuine multifactorial limitations of the students coming from varied socio-economic background creates heterogeneity in the class and addressing the needs of all of them in the same class is a challenging task.

#### Future plan:

- Addition to the existing short term skill development courses which would include: Apiculture, Basic taxonomy and biodiversity, Micro-technique, Instrumentation, Public health and hygiene and Nature Photography.
- Increasing participation of students in projects and hands-on training including summer training.
- Our department will also take efforts towards career guidance, campus interviews and creating a placement cell.
- Organizing visits / training for staff and laboratory assistant for enhancement of skills.
- Contribution of research students at our PGRC in teaching and practical for UG and PG students.
- Half yearly meeting of research students and guides of department with research scholars and university authorities.
- Further efforts for establishing the remunerative consultancy services

#### Departmental Activity:

The departmental staff efficiently completed their teaching assignments and examination work. New equipment and instruments were purchased this year, through the funds received under the FIST, DST and CPE-UGC programmes. This enabled students to perform sophisticated and advanced practicals. It will benefit students in future too.

Infra-structural improvements were possible due to the BSR grant. These modifications include lamination of laboratory table-tops, state-of-art laboratory for final year students and various show-cases for systematic display of preserved museum specimens.

#### Educational visits/ Excursion tours:

An educational tour was arranged for the **F.Y.B.Sc. 'B'** students on 5<sup>th</sup> March 2013. Places visited were Morachi Chincholi and Ralegan Siddhi.

Morachi Chincholi is a Peacock sanctuary and also has a small zoo along with a package of few sporting facilities and entertainment events.

Ralegan Siddhi is an ideal village developed by the villagers inspired and guided by the great social worker Shri. Anna Hazare. Students were overwhelmed to witness the real meaning of Sustainable development, which until then was only read in books. They also saw the museum where all awards and honours received by Anna Hazare were displayed.

**The unforgettable part of this educational visit was the direct meeting of Anna Hazare with all the students.** He addressed the students whole-heartedly and spoke to them about Value system and appealed to them to lead a meaningful life with integrity.

Dr. Bhalerao, Mr. Naidu, Prof. Kalbage, Mrs. Sathye and Mr. Jakhalekar lead the tour. Non-teaching staff Mr. Daundkar and Mr. Kanhere accompanied them.

Prof. Kalbage and Mr. Naidu organized during two educational visits for the students of **S.Y.B.Sc. 'B'**.

In the first term they visited the College of Agriculture, Pune. Prof. Lawande of the Department of Entomology briefly explained to the students the activities and projects of their college. Later the students were shown the museum of Agricultural pests and pest control equipment.

In the second term they visited the Central Bee Research and Training Institute, Pune. Museum visit, Lecture-cum-demonstration on Bee-keeping and a Film show was arranged by the Institute for our students. New staff members Dr. Shinde and Dr. Kudnar also accompanied.

Both the visits proved very useful to the S.Y.B.Sc. students as those were directly related to their syllabus.

An excursion tour for the **T.Y.B.Sc. Zoology** students was conducted in January 2013, by Prof. Kalbage. Mr. Jakhlaekar and non-teaching staff Mr. Yogesh Zare accompanied them. Their prime interest being study of marine fauna, they explored sea-coast areas near Sawantwadi, Malvan, Deobag and Goa. It was an exciting experience for all to watch live animals in their natural ambience. A special visit was paid to National Institute of Oceanography (NIO), Goa.

#### Information about Teachers:

##### Dr. H.V. Ghate

- Published preliminary list of mantids of Maharashtra with Gauri Sathye Woman Scientist Project -DST. Now in the process of preparing a digital pictorial monograph of Mantodea of Maharashtra.
- Has perhaps spent about 10 years in collecting literature, specimens and identification of Cerambycidae. **Has published several papers on this subject and at least 4 are in submitted for 2013.**
- The most recent work was to prepare a list of DNA Barcodes, with Swapnil Gaikwad for identification of butterflies of Western Ghats under DBT funded project. **One paper already published in International peer reviewed journal.**

- Collection and identification of heteropteran insects has been also undertaken. **Already 4 papers are published and 3 more in press.** Part of this work was started with Dr. Sanket Tembe (who worked with HVG as DBT-Post Doc fellow) and will be continued with Swapnil Gaikwad.
- Collection and identification of freshwater sponges was initiated by HVG with Shirraj Jakhalekar (CHB in our Department). Studied some 7 different species and a **paper based on this work is already in press. Another is in preparation.**

#### **Dr.A.M.Bhalerao**

- Selected for two years extension in the present services by BCUD, University of Pune and Government of Maharashtra, from August 2012 to July 2014.
- Worked as an Advisor of Time-Table committee and helped the Chairman, Principal, Vice- Principals and other staff members, in day to day working and adjustments necessary in Time-tables.
- Attended International Conference on 'Employability of Indian Languages' and two-day workshop organized by Department of Languages, Modern College, Pune-5.
- Organized batch-wise film-show on 'Biology and Conservation of Amphibians', for the benefit of F.Y.B.Sc. students.
- Helped in the organization of Guest lectures, for the F.Y., S.Y. and T.Y.B.Sc. Zoology students.
- Helped in the purchase of new equipment as well as in disposal of old-unwanted furniture of the department.
- Helped in the organization and conduct of the Add-on-course 'Integrated Vermitechnology Training Course' for both the batches of this year.
- Organized and accompanied the F.Y.B.Sc. study tour.

#### **Mr.Narendra M. Naidu**

- Worked as Chairman of the Examination Coordination Committee and the College Magazine Committee.
- Worked as an Advisor of NSS (Senior wing) and Arts Circle.
- Was invited and worked as a Judge for the Poster Competition held by the Department of English and another by NCC and the Seminar Presentaion organized by the Science Association of our college.
- Worked as an Advisor of the Poster Presentation Committee during the International Conference on Employability Enhancement organized by the Department of Languages of our college.
- Coordinator and Resource person for the 'Integrated Vermitechnolgy Training Course'.
- Was Chief Guest on the Independence Day at R.M.Oak High School,Kalyan
- Worked as a Chief Organizer for the Intercollegiate Youth Symposium hosted by our college on 12<sup>th</sup> January 2013, on account of Swami Vivekananda's 150<sup>th</sup> Birth Anniversary.
- Talks delivered on Swami Vivekananda at various places like schools, colleges, Rotary Club, NSS Camp and RSS forum.
- Appointed as One of the Coordinators of- Swami Vivekananda Saardha Shati Samaroha Samiti, Pimpri-Chinchwad.
- Authoring a serial of articles on Swami Vivekananda since January 2013, in a Children's monthly magazine 'Nirmal Ranvara', published by Vanchit-Vikas.
- Talk on 'Symbolism of Ganesh' during Ganesh Festival at Vadgaon Sheri.
- Talk on 'Baba Amte as a Leader for Social Reformation' at Jnana Prabodhini Navnagar Vidyalaya , Nigdi .
- Conducted a Workshop in a Youth camp, organized by Janeev Yuva Sanghatna, at Neehar, Lohegaon.
- Resource person for the 'Ornithology'course conducted by ILA Foundation and Ababsaheb Garware College.
- Resource person for the Biodiversity course conducted by Jividha.
- Scripts written for *Nate Nisargashi* were broadcasted by AIR Pune in April 2013.
- Was interviewed by AIR Pune in the Yuvawani programme based on 'Global Warming- effect on animals'.

#### **Prof.B.T.Kalbage**

- Completed the 'Refresher Course in Life Sciences' with "A" grade at the University of Pune from 3<sup>rd</sup> to 23<sup>rd</sup> October 2102.
  - Attended National Seminar on 'Recent Trends in Life Sciences' at Bharati Vidyapeeth's Y.M.College, Pune on 21<sup>st</sup> and 22<sup>nd</sup> December 2012.
  - Conducted the T.Y.B.Sc. study tour and also organized the F.Y. and S.Y.B.Sc. educational visits.
  - Worked as resource person and assisted the Coordinator for two batches of the Add-on-course 'Integrated Vermitechnology Training Course' conducted by our department.
- Mr.N.M.Naidu and Prof.B.T.Kalbage actively participated and contributed in the workshop on ' F.Y.B.Sc.- Syllabus Revision and Re-framing', held at H. V .Desai College, Pune.

#### **Mrs. U.R.Sathye**

- Worked as lecturer on clock hour basis from June 2012 to February 2013.
- Research work continued on Mantoidea under the supervision of Dr.Ghate.

#### **Mr. S.S. Jakhalekar**

- Worked as lecturer on clock hour basis from June 2012 to February 2013.
- Passed CSIR-UGC National Eligibility Test (NET) held in June 2012 with rank 43 and earned a CSIR Junior Research Fellowship (JRF).
- Doing research on Freshwater Sponges under the guidance of Dr. H.V. Ghate. A research article on 'Freshwater Sponges of Pune' has been accepted for publication in the Journal of Threatened Taxa for April 2013 issue.
- Attended 'Student Conference on Conservation Science' at Bangalore in August 2012 and actively participated in workshops on GIS, Study Design in Ecology.
- Delivered a lecture on 'Temporary Rainwater Pools and its Unique Fauna' at Friends of Nature Association, Talegaon on 2<sup>nd</sup> December 2012.

#### **Mrs.Chabukswar Vaishali V**

- Attended teachers training programme for upgraded syllabus of Std XII Biology.
- Worked as Coordinator for Junior College Science Quiz organized by Science Association.

- Worked as Zoology In-charge for Junior college for the academic year.

#### **Mrs.Renu Bhalerao**

- Worked as a member of Coordination Committee for the workshop on Co-operative learning for classroom teaching. Mrs.Chabukswar, Mrs.Bhalerao, **Mrs.Ashwini Deshkar** and Mrs.Phadnis worked as resource persons for two batches of the Add-on-course 'Integrated Vermitechnology Training Course' conducted by our department.
- Mrs.Chabukswar and **Mrs. Deshkar** participated in workshop on 'Co-operative learning methods for classroom teaching'.
- Mrs.Bhalerao and Mrs. Deshkar attended the workshop on Voice Culture.

**Dr.Shinde Y.S.** and **Dr. Kudnar P.S.** were newly appointed as Assistant Professors in our department from 1st March 2013.

Our laboratory assistant **Mr.Umesh D.Gore** was conferred the Degree of '**Master of Library and Information Science**', in December 2012 by the Bharati Vidyapeeth Deemed University, Pune.

#### **Current activities of the Post-Graduate Research Centre**

**Christopher John Thorpe-Dixon**, from Plymouth University, UK, visited this department during July 2012, discussed about his interest in ecological work in Western Ghats and has expressed desire to **collaborate with Dr.Ghate** and students during 2013. He spared time and addressed our final year students on various aspects of Zoogeography.

Two senior **ZSI scientists Dr. Bulganin Mitra and Dr. Kailash Chandra (both from ZSI Kolkata)**, visited department in connection with a collaborative project on Cerambycidae. Many specimens brought from ZSI Kolkata were studied during their 7 days visit and a couple of papers based on this work are prepared, one already submitted in March 2013. They were very happy with the taxonomical work done in this department and expressed desire to do further **collaborative work with Dr.Ghate**. A collaborative paper (with Dr. Mitra), documenting presence of a cerambycid beetles for the first time for India, has already been submitted to a reputed journal. **Dr. R.M Sharma, Officer-In-Charge of ZSI Pune**, also visited department in connection with taxonomical work.

A few more papers on Cerambycid beetles are also being prepared. A collection of beetles has come from Tripura University and has been identified. Two papers based on this work are in preparation.

**Dr. Gaikwad** and his students from **Shivaji University, Kolhapur**, also brought some specimens to this department. Dr.Ghate identified the material and also published a paper with their team on bugs from Chandoli region.

**Dr. Nikalje**, a college Professor in Zoology, from **Sangli**, has brought some samples of freshwater sponges. One paper on a very interesting species from this material is being prepared and will be submitted soon.

ZSI, Pune, has also sent a sample of freshwater sponges for identification. **A checklist of freshwater sponges of Maharashtra prepared by Dr.Ghate was recently published by ZSI in 'Fauna of Maharashtra'**.

**Dr. Uttam Salve**, a college Professor in Botany, from **Beed**, visited our PGRC and has initiated a collaborative project on an interesting stem borer of that region. Recently Mr.Narendra Naidu visited Beed in connection with this work and a collaborative paper based on this work is being prepared.

Mr. Nirbhay Pimple and Mr.Rupesh Raut have registered as Ph.D. candidates under Dr. Sanjay Kharat (Principal, Modern College,Ganeshkhind), at the PGRC of our department.

#### **Integrated Vermitechnology Training Course:**

Our department in collaboration with Institute of Natural Organic Agriculture (INORA) and PRAJ Foundation conducted this Add-on Course this year too. Two batches successfully completed the training course. The course for the first batch of 22 participants was held in August -September 2012 and for the second batch of 11 participants in February- March 2013.

One of the participant this year was an international student (from Iran) pursuing his Ph.D. in the University of Pune. As usual the highlight of this course was the Day of Field visit. The primary site was the INORA project at Daravali. This included also visits to individual bungalows, Vermicompost units in large residential complexes and the INORA office at Bavdhan. It was an eye-opener and an enriching experience for the participants.

Mr.Vinayak Kelkar, Chief Programme Officer of PRAJ Foundation was present for the Valedictory function. He also delivered lectures for both the batches. Managing Trustee of PRAJ Foundation Ms.Parimal Chaudhari was very supportive and encouraging.Ms.Manjushree Tadvalkar, Managing Trustee of INORA, Ms. Nutan Bhajekar and the INORA Team wholeheartedly contributed in all ways in this course.All teaching and non-teaching staff members of the department were actively involved in this activity.

In the month of July a **Get-together** of IVTC participants of all previous batches was organized by our department. Dignitaries of INORA and PRAJ Foundation were also present. This informal follow-up meeting was specially held to assess the utility and long term impact of this course. It was heartening to note that out of 35 participants turned up that day 14 participants were regularly practicing Waste Management techniques that they had learnt here.

Vedant Kadam one of the participants of the previous batch was felicitated by PRAJ Foundation in a Public programme, to appreciate his efforts in setting up Vermicompost plant in his locality by motivating his neighbourhood.

Students from Symbiosis College pursuing their post-graduate course in Management sought help regarding Vermitechnology. Narendra Naidu and students working under the Earn and Learn Scheme for maintenance of the Vermicompost Unit of our college guided them for their project.

#### **Alumni activities**

Past students visited our department and had formal as well as interaction with the present students.

**Ushma Shukla** spoke to the T.Y.B.Sc. students on Teachers' Day(5<sup>th</sup> September 2012) about prospects in Life-Sciences and also about her field experiences during her studies of Wild-Life. It was an exciting experience.

**Dr.Bhuvanesh Awasthi** delivered an interesting lecture on 17<sup>th</sup> January 2013 on "How do we 'see' this world-- Neuroscience of visual perception" for F.Y.B.Sc. students followed by question- and-answer session.

Later he addressed the T.Y. B.Sc. Zoology students on "What is this thing called Science?"A lively Interaction followed.

**Dr.Mandar Kulkarni, Girish Shelar and Dr. Meghana Kanitkar** had an informal session in January 2013 on Career guidance and sharing of their academic and professional profiles with current batch of T.Y. B.Sc. Zoology students.

**Manali Gudmeti** of T.Y.B.Sc. was the topper in T.Y.B.Sc.Zoology for the year 2011-12 She bagged the Prof.Mora Teja Chauhan Prize.

Dr. H. V. Ghate retired in March 2013 completing his 34 years of long service and the 23 years of tenure as Head of the department. He handed over the charge as Head of the Department of Zoology to Dr. A.M.Bhalerao in presence of Vice-Principal Prof.S.R.Chaudhari, Registrar Mr.R.P.Kale and the departmental staff.

**Dr.A.M.Bhalerao**  
Head

## Library

This year library has added **2142** books in the library during 1st April 2010 to 15 February 2011. Now there are **89082** books in the library.

Books added under different grants/budgets:

1. Jr. Wing - 229
2. Donation- 137
3. Non-Grant- 721
4. Sr. Wing- 1055

We are thankful for the donation of books from: Hon'ble Principle Dr. R. S. Zunjarrao; Dr. Ghate; Mr. Autade Ashok; Nilubhau Limaye Foundation, India Today Group; Sara Books; Tec-Max Publisher etc.

Other than books we have following material in the library:



Internet facility for staff & students is provided in the library. It is totally free for staff & students and they extensively use this facility. There is OPAC facility at the counter for students. Through OPAC (On Line Public Access Catalogue) students can search & locate library books without manual help.

Along with the main library, there are departmental libraries in few departments for the convenience of staff & students.

This year **Saraswati Pooja & Book Exhibition** of newly purchased books was held on 22<sup>nd</sup> October 2012 in the library. Honourable Prin. Dr. R. S. Zunjarrao performed Pooja ceremony.

Orientation lectures for first year students of Jr. wing /Sr. wing/PG wing were organized and information about library was given in this session.

This year 10 Students worked in the library under **Earn & Learn scheme** of University of Pune.

46 students availed the book bank facility from the library in the year 2012-13.

This year library replaced normal tube lights to **florocit tube lights** which leads to minimum consumption of electricity.

In the **ledies room** of college, books on counseling for women and general awareness were kept for girl students. Total 336 books were shifted to **Commerce Non Grant** (BBA/BCA) for the departmental library.

Books related to **competitive exam** have been separately kept in hall which remains open till midnight. Mr. Telke looks after these books.

**Digital Library** Facility has been started for staff and students.

Every Saturday except examinational period library displays books on general reading for students.

On 16<sup>th</sup> July 2012, Showtime Group arranged "**Library on wheels**" programme in the college in which they displayed books in a van published by Pearson Publications.

On 6<sup>th</sup> December 2012 library displayed books related to Dr. Babasaheb Ambedkar on account of '**Mahanirvan Din of Dr. Babasaheb Ambedkar**'.

Library displayed books related to Women empowerment during "**Jagar Janivancha**" Programme.

Book exhibition by '**Sanatan Sanstha & Ramkrishan Math**' was arranged for staff and students.

Library books and journals on subject related to conference were displayed in Conference Hall during the International conference on "**Employability Enhancement Through Proficiency in Indian and Foreign Languages**", organized by our college on 28<sup>th</sup> to 30<sup>th</sup> January 2013.

Library sold withdrawn books of the library at the rate of Rs. 5/- per book. Staff & Students purchased maximum books.

**Activities of Library Staff:-**

**1. Librarian Mrs. M. S. Datre**

**A.** Attended 6 Days (30/7/2012 to 04/08/2012) Short term course on "Modern Technology in Libraries, at UGC Academic Staff College, Jawaharlal Nehru Technological University, Hyderabad.

**B.** Attended one day (6/8/2012) workshop on the "The use of Online journals, databases and e-books", organized by Jaykar Library, University of Pune.

**2. Mr. S. M. Hajare:-**

Attended 3 days state level Seminar on "New trends in Library for library staff", organized by Prof. Ramkrushna More Arts, Commerce & Science College, Akurdi, during 25<sup>th</sup> -26<sup>th</sup> March 2012.

### 3. Mrs. Sukhada Pandkar:-

- A. Attended 6 Days (30/7/2012 to 04/08/2012) Short term course on "Modern Technology in Libraries, at UGC Academic Staff College, Jawaharlal Nehru Technological University, Hyderabad.
- B. Attended one day International Workshop on "Exploring ABCD Open Source Software", organized by Modern Arts, Science & Commerce College, Ganeshkhind, Pune 53 on 5<sup>th</sup> March 2012.
- C. Attended 3 days (21/3/13 to 23/3/2013) 9<sup>th</sup> International CALIBER 2013 on, "Library Vision2020: Moving Towards the Future", at INFLIBNET Centre, Infocity, Gandhinagar, Gujarat.

- Mrs. Datre M. S., Librarian.

## Department of Physical Education

### Departmental Activities:

#### Intercollegiate Participation

Department has participated in 26 disciplines i.e. Badminton, Chess, Cross Country, Shooting, Swimming, Diving, Ball Badminton, Baseball, Basketball, Cricket, Cycling, Kabaddi, Football, Handball, Volleyball, Hockey, Boxing, Softball, Weight Lifting, Best Physique, Athletics, Kho-Kho, Lawn Tennis, Korfball, Table Tennis and Netball Competitions. Similarly college has participated in various Invitational Intercollegiate Competitions. College has secured 2<sup>nd</sup> place in Kho-Kho (W), Volleyball (W), Handball (M), Korfball, Netball (M) and Third place in Kho-Kho (M), Netball (W), , and Baseball (M). College Students have also bagged various medals in individual events.

#### Details of the participation is as follows,

Sr. No.	Level of Participation	Participation	Bronze	Silver	Gold	Total
1	District/Intercollegiate	208	31	29	3	271
2	State/Interzonal	16	5	11	7	39
3	National	11	1	1	1	14
4	International	1				1
Grand Total		236	37	41	11	325

#### Interclass Competition

Interclass competitions for the promotion of the certain games and entertainment purpose were organized during 18<sup>th</sup> December 2012 to 4<sup>th</sup> January 2013. Football, Basketball, Volleyball, Badminton, Table Tennis and Chess were the events organized during this period.

#### Team Event Performance:

1. Volleyball (M)
  - a. First Place : S.Y.B.C.S. (A) [Capt Sachin Jagtap]
  - b. Second Place : F.Y.B.B.A. [Capt Vaibhav Balwadkar]
  - c. Third Place: S.Y.B.B.A. [Capt Nikhil Mundada]
2. Volleyball (W)
  - a. First Place: F.Y.B.A. [Capt Shubhangi Patil]
  - b. Second Place : F.Y.B.Com.(c) [Capt Nikita Sharma]
3. Football
  - a. First Place: F.Y.B.Com. (D) [Capt Tejas Bombale]
  - b. Second Place : S.Y.B. A. [Capt Ganesh Kale]
  - c. Third Place: S.Y.B.B.A. [Capt Nikhil Mundada]
4. Basketball
  - a. First Place : S.Y.B.B.A. [Capt Tarandeep Singh]
  - b. Second Place: F.Y.B.Sc. (Bio) [Capt Abhijeet Kale]
  - c. Third Place: F.Y.B.Com. (D) [Capt Sainath Vitkar]
5. Football Saturday League
  - a. Winner: **Junior XI (Capt. Rahul Yelshetty)**
  - b. Runner-ups: **Nation XI (Capt. Abhishek Gosavi)**

#### Individual Event Prize winner

Sr. No.	Name of the Player	Class	Event	Performance
1	Omkar Phadke	F.Y. B.Sc.	Badminton Doubles (M)	First Place
2	Jonathan Benn	F.Y.B.A.	Badminton Doubles (M)	Second Place
3	Ashutosh Khadpekar	F.Y. B.Sc.	Badminton Doubles (M)	Third Place
4	Shivam Pandey	F.Y. B.Sc.	Badminton Doubles (M)	Third Place
5	Bela Deshpande	F.Y.B.A.	Badminton Doubles( W)	First Place
6	Sharan Kaur	F.Y.B.A.	Badminton Doubles( W)	First Place
7	Afarin Kazi	S.Y.B.Sc.	Badminton Doubles( W)	Second Place
8	Akshata Gujrathi	S.Y.B.Sc.	Badminton Doubles( W)	Second Place
9	Brahmi Jadhav	S.Y.B.Sc.	Badminton Doubles( W)	Third Place
10	Sayali Khopade	S.Y.B.Sc.	Badminton Doubles( W)	Third Place
11	Bela Deshpande	F.Y.B.A.	Badminton Mix Doubles	First Place
12	Jonathan Benn	F.Y.B.A.	Badminton Mix Doubles	First Place

13	Pradeep Jangid	S.Y.B.Sc.	Badminton Mix Doubles	Second Place
14	Sayali Khopade	S.Y.B.Sc.	Badminton Mix Doubles	Second Place
15	Sharan Kaur	F.Y.B.A.	Badminton Mix Doubles	Third Place
16	Omkar Phadke	F.Y. B.Sc.	Badminton Single (M)	First Place
17	Jonathan Benn	F.Y.B.A.	Badminton Single (M)	Third Place
18	Bela Deshpande	F.Y.B.A.	Badminton Single (W)	First Place
19	Diksha More	F.Y.B.C.S.	Badminton Single (W)	Second Place
20	Omkar Shirish Marahte	F.Y.B.C.A	Chess	First Place
21	Jithin. K. Jose	S.Y.B.C.A.	Chess	Second Place
22	Abhijeet Dhanedhar	F.Y.B.A.	Chess	Third Place
23	Shivam Pandey	F.Y. B.Sc.	Table Tennis (M)	First Place
24	Akshay Bahirat	S.Y. B.B.A.	Table Tennis (M)	Second Place
25	Nikhil Mundada	S.Y. B.B.A.	Table Tennis (M)	Third Place
26	Akshay Bahirat	S.Y. B.B.A.	Table Tennis Doubles(M)	First Place
27	Nikhil Mundada	S.Y. B.B.A.	Table Tennis Doubles(M)	First Place
28	Ashutosh Khadpekar	F.Y. B.Sc.	Table Tennis Doubles(M)	Second Place
29	Shivam Pandey	F.Y. B.Sc.	Table Tennis Doubles(M)	Second Place
30	Abhijeet Kale	F.Y. B.Sc.	Badminton Doubles (M)	First Place
31	Anurag Nambiyar	F.Y. B.Sc.	Badminton Doubles (M)	Second Place
32	Anurag Nambiyar	F.Y. B.Sc.	Badminton Mix Doubles	Third Place
33	Anurag Nambiyar	F.Y. B.Sc.	Badminton Single (M)	Second Place
34	Nikita Sharma	F.Y.B.Com.	Badminton Single (W)	Third Place

### **Football League**

Consecutively for second year we organized successfully Saturday Football League. Students from junior and senior wings were jointly played and organized the events. Six teams each containing at least four players from junior and senior wings each played for their respective teams. Junior XI and Nation XI bagged the Winner and Runners up title respectively.

### **Coaching Camp**

College organized special coaching camps for Volleyball, Netball, Softball and Baseball for the skill and strategic development of the players. These efforts gave results by placing college teams in good position in Intercollegiate Competitions.

### **Softball and Baseball Scorer Workshop**

For the development of the player on the field and off the field technical inputs are very important. In this regard college and Pune District Softball Association jointly organized four day Scorer workshop in which one day was devoted to theory work and remaining three days for practical aspects. Total 43 students from different colleges participated in the workshop. Mr. Yogenkumar Ysher from Pune and Mr. Parag Wadhavkar from Hyderabad worked as experts.

### **Intercollegiate Sports Organization**

#### **Intercollegiate Basketball (M/W)**

Intercollegiate Basketball (M/W) event was organized during 3<sup>rd</sup> September 12<sup>th</sup> September 2012. 26 men's teams and 22 women's team from Pune City participated in this event. Principal Dr. Rajendra Zunjarrao inaugurated the event.

#### **Intercollegiate Korfball**

A Korfball competition was organized on 30<sup>th</sup> November 2012. Chandrashekhar Agashe College lifted the championship trophy and our College has bagged the runners up trophy. Tournament was inaugurated at the hands of Senior Prof. Mansing Salunkhe.

#### **Intercollegiate Cycling**

Intercollegiate Cycling competitions were organized by our college at Shiv Chatrapati Stadium, Balewadi on 20<sup>th</sup> September 2013. 20 players from different colleges from Pune city participated in the track and road events. Mrs. Deepali Nikam, National cycling player and Coach, inaugurated the event.

#### **Interzonal Sports Organization**

Interzonal Basketball (W) tournament was organized by our college on 17<sup>th</sup> and 18<sup>th</sup> October 2012. Chief Guest for the opening ceremony was Dr. Deepak Mane, Director of Board of Sports, Pune University, and the tournament was inaugurated by Dr. R.S. Zunjarrao. Four Teams from Pune University i.e. Pune City, Pune District, Ahemadnagar and Nashik participated. Pune city won the title.

#### **Modern Harmony 2012-13**

Modern Harmony 2012 i.e. MH12 Sports Festival was organized from 12<sup>th</sup> January to 19<sup>th</sup> January 2013. Double knock out system for the first time in intercollegiate tournament history was implemented to identify the real winner of the tournament. Festival started on 12<sup>th</sup> January 2013 with Volleyball. Basketball, Five-a-Side Football and Best Physique competitions were organized in this festival.

#### **Gymkhana Association**

Gymkhana Association was inaugurated on 23/10/2012 on the occasion of Vijaya Dashmi. Prof. Dr. Rajendra Zunjarrao, Vice Principal Prof. Shamkant Deshmukh, Prof. S.R.Chaudhari, Prof. Prakash Dixit, and Chairman Gymkhana Committee and various members of Gymkhana Committee were present on this occasion.

#### **Fitness Assessment of the College Staff**

Fitness assessment of the staff members was conducted on 12<sup>th</sup> January 2013 for staff members of main Unit and on 19<sup>th</sup> January 2013 for the BBA/BCA staff, on the occasion National Youth Week celebration. More than 150 Staff members participated in this testing program.

#### **Sports Scholarship**

College has started sports scholarship from this academic year. Norms for the same are as follows;

Level	Scholarship per Year (Rs.)	Limit of Number of students
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<b>International</b>	2000/-	No Limit
<b>National</b>	1500/-	No Limit
<b>State</b>	1000/-	10 Students per Year
<b>District</b>	500/-	10 Students per year

This year following players received the Sports Scholarship;

Sr. No.	Name of the Student	Amount Sanctioned (Rs.)
1	Rohit Suresh Ingavale	1500
2	Pranit Vijay Shinde	1500
3	Pratik Bharat Apune	1500
4	Deepika Shantaram Jambukar	1500
5	Chetan Baramatkar	1500
6	Shetty A.A.	1500
7	Sayali V. Kardekar	1500
8	Vishal Vasant Muluk	1500
9	Shital Laxman Yadav	1500
10	Prafulla Arun Rokade	1000
11	Tejas Vinay Khivsare	1000

#### Annual Prize Distribution "Gymkhana Day"

Annual Prize distribution i.e. "Gymkhana Day" was organized on 20th February 2013. International shooting player Mr. Sandep Tarate was the chief guest and Dr. Rajendra Zunjarrao presided the function. The prizes were distributed to the following players..

**Year 2012-13**

#### List of medal winners in Year 2012-13

##### Intercollegiate Level Performers

- |   |                   |                         |
|---|-------------------|-------------------------|
| <b>1. Aaditya Joshi</b>                 | <b>S.Y.B.C.S.</b> | <b>Baseball</b>         |
| a. Intercollegiate Baseball Competition |                   | Third Place             |
| <b>2. Ajit Pawar</b>                    | <b>F.Y.B.B.A.</b> | <b>Kho-Kho</b>          |
| a. Intercollegiate Kho-Kho Competition  |                   | Third Place             |
| <b>3. Aashish Phadake</b>               | <b>S.Y.B.Com.</b> | <b>Kho-Kho</b>          |
| a. Intercollegiate Kho-Kho Competition  |                   | Third Place             |
| <b>4. Pooja Bandawane</b>               | <b>F.Y.B.Sc.</b>  | <b>Netball</b>          |
| a. Intercollegiate Netball Competition  |                   | Third Place             |
| <b>5. Gaurav Shetty</b>                 | <b>S.Y.B.Com.</b> | <b>Baseball/Netball</b> |
| a. Intercollegiate Baseball Competition |                   | Third Place             |
| b. Intercollegiate Netball Competition  |                   | Second Place            |
| <b>6. Harshal Rathi</b>                 | <b>S.Y.B.Com.</b> | <b>Baseball</b>         |
| a. Intercollegiate Baseball Competition |                   | Third Place             |
| <b>7. Hrishikesh Haldar</b>             | <b>F.Y.B.Com.</b> | <b>Baseball</b>         |
| a. Intercollegiate Baseball Competition |                   | Third Place             |
| <b>8. Lipne Navnath</b>                 | <b>T.Y.B.Com.</b> | <b>Kho-Kho</b>          |
| a. Intercollegiate Kho-Kho Competition  |                   | Third Place             |
| <b>9. Mayur Auti</b>                    | <b>F.Y.B.Com.</b> | <b>Kho-Kho</b>          |
| a. Intercollegiate Kho-Kho Competition  |                   | Third Place             |
| <b>10. Mayur Deshpande</b>              | <b>F.Y.B.Sc.</b>  | <b>Kho-Kho</b>          |
| a. Intercollegiate Kho-Kho Competition  |                   | Third Place             |
| <b>11. Mhetre Yadav</b>                 | <b>F.Y.B.Com.</b> | <b>Kho-Kho</b>          |
| a. Intercollegiate Kho-Kho Competition  |                   | Third Place             |
| <b>12. Omkar Kotalkar</b>               |                   | <b>Baseball</b>         |
| a. Intercollegiate Baseball Competition |                   | Third Place             |
| <b>13. Prakash Patil</b>                | <b>F.Y.B.Com.</b> | <b>Baseball</b>         |
| a. Intercollegiate Baseball Competition |                   | Third Place             |
| <b>14. Pranav Zarekar</b>               | <b>F.Y.B.Com.</b> | <b>Kho-Kho</b>          |
| a. Intercollegiate Kho-Kho Competition  |                   | Third Place             |
| <b>15. Pranay Chavan</b>                | <b>F.Y.B.Com.</b> | <b>Kho-Kho</b>          |
| a. Intercollegiate Kho-Kho Competition  |                   | Third Place             |
| <b>16. Rachel Papabhathini</b>          | <b>F.Y.B.Sc.</b>  | <b>Netball</b>          |
| a. Intercollegiate Netball Competition  |                   | Third Place             |
| <b>17. Rajesh Rajpurohit</b>            |                   | <b>Baseball</b>         |
| a. Intercollegiate Baseball Competition |                   | Third Place             |
| <b>18. Ratnadeep Londhe</b>             | <b>T.Y.B.Com.</b> | <b>Baseball</b>         |
| a. Intercollegiate Baseball Competition |                   | Third Place             |
| <b>19. Rohan More</b>                   | <b>T.Y.B.C.A.</b> | <b>Swimming</b>         |
| a. 400 M Free Style                     |                   | 3 <sup>rd</sup> Place   |
| <b>20. Samuel Ujagare</b>               |                   | <b>Baseball</b>         |
| a. Intercollegiate Baseball Competition |                   | Third Place             |
| <b>21. Shubham Sharma</b>               | <b>F.Y.B.Com.</b> | <b>Baseball</b>         |
| a. Intercollegiate Baseball Competition |                   | Third Place             |
| <b>22. Shubham Ghadage</b>              | <b>F.Y.B.Com.</b> | <b>Kho-Kho</b>          |

- a. Intercollegiate Kho-Kho Competition Third Place
- 23. Tushar Varal F.Y.B.Com. Baseball**
- a. Intercollegiate Baseball Competition Third Place
- 24. Vikrant Jagtap M.A. I Baseball**
- a. Intercollegiate Baseball Competition Third Place
- 25. Abhijeet Kale F.Y.B.Sc. Handball/Badminton**
- a. Intercollegiate Handball Competition 2<sup>nd</sup> Place
- 26. Abhilesha Bandal F.Y.B.Com. Volleyball**
- a. Intercollegiate Volleyball Competition 2<sup>nd</sup> Place
- 27. Ambika Bharamnor F.Y.B.Com. Kho-Kho**
- a. Intercollegiate Kho-Kho Competition 2<sup>nd</sup> Place
- 28. Anuja Purohit T.Y.B.Com. Kho-Kho**
- a. Intercollegiate Kho-Kho Competition 2<sup>nd</sup> Place
- 29. Anurag Nambiyar F.Y.B.Sc. Netball/Badminton**
- a. Intercollegiate Netball Competition 2<sup>nd</sup> Place
- 30. Deepa More F.Y.B.Com. Volleyball**
- a. Intercollegiate Volleyball Competition 2<sup>nd</sup> Place
- 31. Jonathan Benn F.Y.B.A. Netball/Badminton**
- a. Intercollegiate Netball Competition 2<sup>nd</sup> Place
- 32. Kalpana More M.A. I Kho-Kho**
- a. Intercollegiate Kho-Kho Competition 2<sup>nd</sup> Place
- 33. Kalyani Mahadik Volleyball**
- a. Intercollegiate Volleyball Competition 2<sup>nd</sup> Place
- 34. Kalyani Lonari F.Y.B.Com. Kho-Kho**
- a. Intercollegiate Kho-Kho Competition 2<sup>nd</sup> Place
- 35. Manali Deshmukh Volleyball**
- a. Intercollegiate Volleyball Competition 2<sup>nd</sup> Place
- 36. Mayur Kambale T.Y.B.C.A. Boxing**
- a. Intercollegiate Boxing Competition 2<sup>nd</sup> Place
- 37. Nikita Sharma F.Y.B.Com. Volleyball/Badminton**
- a. Intercollegiate Volleyball Competition 2<sup>nd</sup> Place
- 38. Shubhangi Patil F.Y.B.A. Volleyball/Kho-Kho**
- a. Intercollegiate Volleyball Competition 2<sup>nd</sup> Place
- b. Intercollegiate Invitational Volleyball Competition 1<sup>st</sup> Place
- c. Intercollegiate Kho-Kho Competition 2<sup>nd</sup> Place
- 39. Minal Pinjan F.Y.B.Com. Netball/Korfbal**
- a. Intercollegiate Korfbal Competition 2<sup>nd</sup> Place
- b. Intercollegiate Netball Competition 3<sup>rd</sup> Place
- 40. Prasanna Deshmukh F.Y.B.A. Handball**
- a. Intercollegiate Handball Competition 2<sup>nd</sup> Place
- 41. Priyanka Gaikwad F.Y.B.Com. Kho-Kho**
- a. Intercollegiate Kho-Kho Competition 2<sup>nd</sup> Place
- 42. Rohit Ingavale T.Y.B.Com. Handball/Netball**
- a. Intercollegiate Handball Competition 2<sup>nd</sup> Place
- b. Intercollegiate Netball Competition 2<sup>nd</sup> Place
- 43. Roshani Yadav Volleyball**
- a. Intercollegiate Volleyball Competition 2<sup>nd</sup> Place
- 44. Sharayu Kakade Volleyball**
- a. Intercollegiate Volleyball Competition 2<sup>nd</sup> Place
- 45. Vinita Pimparikar F.Y.B.Com. Kho-Kho**
- a. Intercollegiate Kho-Kho Competition 2<sup>nd</sup> Place
- 46. Vrushali Ghate F.Y.B.Com. Kho-Kho/Volleyball**
- a. Intercollegiate Volleyball Competition 2<sup>nd</sup> Place
- b. Intercollegiate Kho-Kho Competition 2<sup>nd</sup> Place
- 47. Nikita Pawase S.Y.B.Sc. Kho-Kho/Volleyball**
- a. Intercollegiate Volleyball Competition 2<sup>nd</sup> Place
- b. Intercollegiate Kho-Kho Competition 2<sup>nd</sup> Place

#### **Interzonal/State Level Performers**

- 1. Bhagyashree Mohite T.Y.B.A. Athletics**
- a. Intercollegiate Athletics Championship Javelin Throw Pune 2<sup>nd</sup> Place
- b. Pune District Athletics Championship Javelin Throw 2<sup>nd</sup> Place
- c. Pune District Athletic Championship Hammer Throw 2<sup>nd</sup> Place
- d. Maharashtra State Athletics Championship Balewadi 2<sup>nd</sup> Place
- 2. Snehal Sawant S.Y.B.Com. Weight-Lifting**
- a. District Weight-Lifting Championship 1<sup>st</sup> Place
- b. Interzonal Weight Lifting Competition Shrirampur 2<sup>nd</sup> Place
- c. Junior State Weight Lifting Championship Murtajapur 2<sup>nd</sup> Place
- d. Junior State Weight Lifting Championship Talegaon 3<sup>rd</sup> Place
- e. Senior State Championship Kalyan 2<sup>nd</sup> Place

3. **Akash Zambare S.Y.B.A.**
  - a. Intercollegiate Handball Competition
  - b. Interzonal Handball Competition Otur
  - c. State under 19 Handball Competition Sawantwadi
4. **Chetan Baramatikar T.Y.B.Com.**
  - a. Intercollegiate Baseball Competition
  - b. State Softball Championship Malvan
5. **Prasad Bhadale F.Y.B.A.**
  - a. Intercollegiate Handball Competition
  - b. Interzonal Handball Competition Otur
  - c. State under 19 Handball Competition Sawantwadi
6. **Vaibhav Balwadkar F.Y.B.B.A.**
  - a. Intercollegiate Baseball Competition
  - b. State Softball Championship Malvan
7. **Sagar Jathar F.Y.B.Sc.**
  - a. Intercollegiate Baseball Competition
  - b. State Softball Championship Malvan
8. **Rahul Jambgi F.Y.B.Sc.**
  - a. Intercollegiate Kho-Kho Competition
  - b. Interzonal Kho-Kho Championship Shevgaon
9. **Manali Suryawanshi MCA III**
  - a. Intercollegiate Kho-Kho Competition
  - b. Interzonal Kho-Kho Championship Baramati
10. **Monish Surti F.Y.B.Com.**
  - a. Interzonal Hockey Tournament Pimpari
11. **Rikin Mahamuni**
  - a. Intercollegiate Kho-Kho Competition
  - b. Interzonal Kho-Kho Championship Shevgaon
  - c. District Kho-Kho Championship Pune
12. **Supriya Kadukar**
  - a. Intercollegiate Kho-Kho Competition
  - b. Interzonal Kho-Kho Championship Baramati
13. **Neha Sapate F.Y.B.Sc.**
  - a. Intercollegiate Korfball Competition
  - b. Intercollegiate Netball Competition
  - c. Interzonal Korfball Competition Nashik
  - d. Interzonal Netball Competition Nashik
14. **Nidhi Bhutada F.Y.B.Sc.**
  - a. Intercollegiate Volleyball Competition
  - b. Intercollegiate Invitational Volleyball Competition
  - c. Interzonal Volleyball Competition Baramati
15. **Sayali Karpe F.Y.B.Sc.**
  - a. Intercollegiate Korfball Competition
  - b. Intercollegiate Netball Competition
  - c. Interzonal Korfball Competition Nashik
  - d. Interzonal Netball Competition Nashik
16. **Tejas Khivsare T.Y.B.Sc.**
  - a. Intercollegiate Netball Competition
  - b. Intercollegiate Korfball Competition
  - c. Interzonal Korfball Competition Nashik
  - d. Interzonal Netball Competition Chakan
17. **Akash Ghagat**
  - a. Intercollegiate Boxing Competition
  - b. Interzonal Boxing Competition Wagholi
18. **Kushal Pillay F.Y.B.Com.**
  - a. Intercollegiate Boxing Competition
  - b. Interzonal Boxing Competition Wagholi
19. **Nikhil Alhat F.Y.B.Sc.**
  - a. Intercollegiate Handball Competition
  - b. Interzonal Handball Competition Otur
20. **Prashant Arsul S.Y.B.Com.**
  - a. Intercollegiate Handball Competition
  - b. Interzonal Handball Competition Otur
21. **Vicky Chaudhari F.Y.B.C.A.**
  - a. Intercollegiate Cycling Competition
  - b. Interzonal Cycling Competition A'Nagar
22. **Vijay Gaikwad F.Y.B.A.**
  - a. Intercollegiate Boxing Competition
  - b. Interzonal Boxing Competition Wagholi

- Handball**  
2<sup>nd</sup> Place  
Participation  
Participation
- Baseball/Softball**  
3<sup>rd</sup> Place  
3<sup>rd</sup> Place
- Handball**  
2<sup>nd</sup> Place  
Participation  
Participation
- Baseball/Softball**  
3<sup>rd</sup> Place  
3<sup>rd</sup> Place
- Baseball/Softball**  
3<sup>rd</sup> Place  
3<sup>rd</sup> Place
- Kho-Kho**  
3<sup>rd</sup> Place  
2<sup>nd</sup> Place
- Kho-Kho**  
3<sup>rd</sup> Place  
2<sup>nd</sup> Place
- Hockey**  
2<sup>nd</sup> Place
- Kho-Kho**  
3<sup>rd</sup> Place  
2<sup>nd</sup> Place  
2<sup>nd</sup> Place
- Kho-Kho**  
3<sup>rd</sup> Place  
2<sup>nd</sup> Place
- Netball/Korfball**  
2<sup>nd</sup> Place  
3<sup>rd</sup> Place  
1<sup>st</sup> Place  
3<sup>rd</sup> Place
- Volleyball**  
2<sup>nd</sup> Place  
1<sup>st</sup> Place  
1<sup>st</sup> Place
- Netball/Korfball**  
2<sup>nd</sup> Place  
3<sup>rd</sup> Place  
1<sup>st</sup> Place  
3<sup>rd</sup> Place
- Netball/Korfball**  
2<sup>nd</sup> Place  
2<sup>nd</sup> Place  
1<sup>st</sup> Place  
3<sup>rd</sup> Place
- Boxing**  
1<sup>st</sup> Place  
Participation
- Boxing**  
1<sup>st</sup> Place  
Participation
- Handball**  
2<sup>nd</sup> Place  
Participation
- Handball**  
2<sup>nd</sup> Place  
Participation
- Cycling**  
5<sup>th</sup> Place  
Participation
- Boxing**  
1<sup>st</sup> Place  
Selection

- 23. Ajit Bhalerao S.Y.B.Com.**  
 a. Intercollegiate Baseball Competition  
 b. Interzonal Softball Championship Sangamner
- 24. Niraj Inamdar F.Y.B.Com.**  
 a. Intercollegiate Kho-Kho Competition  
 b. Intercollegiate Athletics Competition High Jump  
 c. Interzonal Athletics Competition High Jump Baramati
- 25. Prachi Kurkute S.Y.B.Com.**  
 a. Intercollegiate Korfball Competition  
 b. Intercollegiate Netball Competition  
 c. Interzonal Korfball Competition Nashik
- 26. Rohit Kadam SYBA**  
 a. Sinhagad Kesari
- 27. Pranit Shinde T.Y.B.Com.**  
 a. Intercollegiate Netball Competition  
 b. Intercollegiate Handball Competition  
 c. State Korfball Competition Chandrapur  
 d. Intercollegiate Baseball Competition
- 28. Kalpesh Thombare F.Y.B.B.A**  
 a. State Taekondo Championship Gujarat
- National & Inter University Level Performers**
- 1. Pavitra Pawar F.Y.B.A.**  
 a. District Thigh Boxing Championship  
 b. National Kick Boxing Championship Haryana
- 2. Priyanka Patil F.Y.B.A.**  
 a. National Kick Boxing Championship Haryana
- 3. Aishwarya Shetty S.Y.B.Com.**  
 a. Intercollegiate Korfball Competition  
 b. Intercollegiate Netball Competition  
 c. Interzonal Korfball Competition Nashik  
 d. Interzonal Netball Competition Nashik  
 e. All India Inter University Korfball Championship Jammu  
 f. All India Inter University Netball Competition Kurukshetra
- 4. Akash Barkul S.Y.B.Com.**  
 a. Interzonal Air Rifle Shooting Championship Nashik  
 b. 56<sup>th</sup> National Air Rifle Shooting Championship Delhi
- 5. Prafulla Rokade T.Y.B.Com.**  
 a. Intercollegiate Netball Competition  
 b. Intercollegiate Korfball Competition  
 c. Interzonal Korfball Competition Nashik  
 d. Interzonal Netball Competition Chakan  
 e. All India Inter University Korfball Competition Jammu
- 6. Deepika Jambukar S.Y.B.Com.**  
 a. Intercollegiate Cycling Competition  
 b. Interzonal Cycling Competition Ahmednagar  
 c. All India Inter University Cycling Competition Trivendram  
 d. Federation National Road Race Championship Bihar  
 e. Federation National MTB Championship Pune
- 7. Kunal Shinde F.Y.B.Com.**  
 a. Central Bank Fide Rating Competition Vadodara
- 8. Swapnil Jarande F.Y.B.Sc.**  
 a. Intercollegiate Netball Competition  
 b. Intercollegiate Korfball Competition  
 c. Interzonal Korfball Competition Nashik  
 d. Interzonal Netball Competition Chakan  
 e. All India Inter University Netball Competition Kurukshetra
- 9. Vishal Muluk M.Com. II**  
 a. Intercollegiate Handball Competition  
 b. Intercollegiate Netball Competition  
 c. Intercollegiate Korfball Competition  
 d. Interzonal Korfball Competition Nashik  
 e. Interzonal Netball Competition Chakan  
 f. All India Inter University Netball Competition Kurukshetra  
 g. All India Inter University Korfball Competition Jammu
- 10. Sheetal Yadav T.Y.B.Com**  
 a. Intercollegiate Lawn Tennis Championship  
 b. Interzonal Lawn Tennis Championship  
 c. All India Inter University Championship Warangal
- 11. Deepali Gaikwad M.A. I**

**Baseball/Softball**

- 3<sup>rd</sup> Place  
 1<sup>st</sup> Place

**Kho-Kho/Athletics**

- 3<sup>rd</sup> Place  
 2<sup>nd</sup> Place  
 Participation

**Netball/Korfball**

- 2<sup>nd</sup> Place  
 3<sup>rd</sup> Place  
 1<sup>st</sup> Place

**Wrestling**

- 1<sup>st</sup> Place

**Netball/Korfball/Baseball/Handball**

- 2<sup>nd</sup> Place  
 2<sup>nd</sup> Place  
 2<sup>nd</sup> Place  
 3<sup>rd</sup> Place

**Taekondo**

- 3<sup>rd</sup> Place

**Kick Boxing/Thigh Boxing**

- 1<sup>st</sup> Place  
 2<sup>nd</sup> Place

**Kick Boxing**

- 2<sup>nd</sup> Place

**Korfball/Netball**

- 2<sup>nd</sup> Place  
 3<sup>rd</sup> Place  
 1<sup>st</sup> Place  
 1<sup>st</sup> Place

Participation

Selection

**Shooting (Air Rifle)**

- 5<sup>th</sup> Place  
 Participation

**Netball/Korfball**

- 2<sup>nd</sup> Place  
 2<sup>nd</sup> Place  
 1<sup>st</sup> Place  
 3<sup>rd</sup> Place  
 Participation

**Cycling**

- 5<sup>th</sup> Place  
 Participation  
 Participation  
 Participation  
 Participation

**Chess**

Participation

**Softball/Baseball/Netball**

- 2<sup>nd</sup> Place  
 2<sup>nd</sup> Place  
 1<sup>st</sup> Place  
 3<sup>rd</sup> Place

Selection

**Korfball/ Handball/Netball**

- 2<sup>nd</sup> Place  
 2<sup>nd</sup> Place  
 2<sup>nd</sup> Place  
 1<sup>st</sup> Place  
 3<sup>rd</sup> Place

Selection

Participation

**Lawn Tennis**

- Participation  
 1<sup>st</sup> Place  
 Participation

**Kho-Kho**

- a. Intercollegiate Kho-Kho Competition 3<sup>rd</sup> Place
- b. Interzonal Kho-Kho Championship Baramati 2<sup>nd</sup> Place
- c. All India Inter University Kho-Kho Championship JNDU, Amritsar Participation

**12. Prafullakumar Bansod M.C.A. III**

- a. National Tennis Volleyball Championship Puducherry Participation
- b. Volleyball Senior State Wardha Participation
- c. Intercollegiate Diving Competition 1<sup>st</sup> Place
- d. Interzonal Diving Competition Nashik Participation

**Volleyball/Diving/Tennis Volleyball**

**13. Sayali Kardekar M.Com. I**

- a. Intercollegiate Volleyball Competition 2<sup>nd</sup> Place
- b. Interzonal Volleyball Competition Baramati 1<sup>st</sup> Place
- c. Senior State Championship Wardha 3<sup>rd</sup> Place
- d. Inter Unioversity Ashwamedh Competition Nagpur 1<sup>st</sup> Place

**Volleyball**

**International Level Prize Participants**

**1. Rohan Joshi S.Y.B.Com.**

- a. Fide International Rating Tournament Sangali
- b. Intercollegiate Chess Competition
- c. Interzonal Chess Competition
- d. All India Open Chess Championship A'Nagar
- e. PCMC Mayor's Chess Trophy PCMC
- 11<sup>th</sup> Parsvnath Delhi International Chess Festival 2013 Delhi

**Chess**

- 1<sup>st</sup> Place
- Participation
- 1<sup>st</sup> Place
- 8<sup>th</sup> Place
- 3<sup>rd</sup> Place
- Participation

