



Progressive Education Society's

MODERN COLLEGE OF ARTS, SCIENCE AND COMMERCE

Shivajinagar, Pune 411005, Maharashtra, India

- 'Best College Award (NSS)', UoP, 2014.
- 'Star College Scheme', DBT, 2014.
- '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 2013-2014

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From Chairman's desk...

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 Progressive Education Society. As per the vision of founder members of *P.E. Society*, *Late Shankarraoji Kanitkar* and *Late V.T. Tatke*, we are following two keywords 'Progressive and 'Modern'. I feel that this college has progressed right from the beginning to a glorious destination today and going to reach their set goals in future.

Modern College has several achievements like 'Best College Award' by *Pune University* in 2008, *NAAC* Accreditation with 'A' Grade in 2010, *CPE* status of *UGC* in 2011, *BSR* Funds from *UGC*, *FIST* (Funds for improvement of Science and Technology Infrastructure) grants from *DST* and *STAR* college scheme from *DBT* in 2013.

The number of students enrolled during this academic year is more than 9500, and it is prestigious that there are 83 International students admitted in this year. I am proud to mention that the college has established used of *ICT* in administration, teaching-learning process. A 'Digital Record Room' and 'Digital Library' are established to benefit student services.

The college has organized one International, one National and two state level conferences this year also. Along with academics, research, co-curricular achievements, college has crossed landmarks in Social work also. Paddy plantation, socio-economic survey of neighborhood community, guidance sessions for blind students etc. are remarkable activities of the college *NSS* unit. The players from the Department of Physical Education won 131 Gold, 104 Silver and 63 Bronze medals in various level sports events. I am confident that college will progress in co-curricular and extracurricular activities with the same pace, as in academics.

The college has seven Research Centers in the campus, recognized by *Pune University*. I give full credit of this progress of College to the Principal *Dr. Rajendra Zunjarrao* and local managing committee of this college, which consists of senior educationalist like *Prof. P. S. Chirputkar*, *Prof. A. K. Pande* and *Prof. Mrs. J. G. Ekbote*. The Vice-principals along with office bearers have been assisting the Principal with positive attitude. I am glad to mention that all teaching and non-teaching staff members have contributed to the success and achievements of Modern College of Arts, Science and Commerce, Shivajinagar, Pune-5.

Modern College of Arts, Science and Commerce, Shivajinagar, Pune-5, is an "ASSET" to *P.E. Society* as well as to *Pune University* due to its several achievements in the field of Education. I express my best wishes to the Principal, all *LMC* Members, the staff members and students of this college.

With personal regards,

Prof. Dr. Gajanan Ekbote
M.S., M.N.A.M.S.,
Chairman,
Business Council,
P. E. Society, Shivajinagar, Pune-5.

From Principal's desk...

I am very happy to share my feelings at the conclusion of academic year 2013-14. This academic year was also full of academic, co-curricular and extra curricular activities. At the beginning of the academic year, Foundation Day of our college was celebrated with guidance lecture of Honorable *Shri. Sanjay Nahar*, Founder President, *SARHAD, Pune*. We are enhancing quality of education through various efforts. The library infrastructure is renovated completely and ambience of library is enhanced by modern facilities like web *OPAC*, accessing e-books, staff study section, library website, library e-bulletin, photocopy, printout facility and the library under *CCTV* surveillance. In this academic year, department wise *CCTV* surveillance was also provided in some departments. We have enhanced use of *ICT* facilities in teaching, learning and administration. Online admission procedure is adopted for several courses in this academic year.

The college has maintained the tradition of successful organization of one International Conference, one National Conferences and two State level conferences this year also. A number of seminars, lecture series, exhibitions were also organized by various departments for enhancing quality of teaching, research and skill development among the students. This year we have conducted three meetings of Industry-Academia Collaboration Committee, in order to get placement opportunities and guidance from industrial sector. The department of Physical Education organized "Sports Week" for the employees of Progressive Education Society. The activities of NSS and NCC were also on a high scale. Members the teaching staff have been striving hard to reach higher academic standards without compromising with their teaching assignments and routine college activities.

I would like to thank authorities of Progressive Education Society, particularly Honorable *Prof. Dr. G. R. Ekbote*, Chairman, Business Council, *P. E. Society*, for the valuable guidance and continuous encouragement. We are grateful to Local Managing Committee Chairpersons, *Prof. P. S. Chirputkar*, *Dr. A. K. Pande* and *Prof. Mrs. J. G. Ekbote* and *Prof. S. S. Deshmukh*, Secretary of *P. E. Society*, for their active support, guidance and encouragement.

Dr. Rajendra S. Zunjarrao
Principal
Modern College of Arts, Science & Commerce,
Shivajinagar, Pune - 5.

OFFICE

The academic year 2013-14 started with the celebration of 43rd "College Foundation Day" on 15th June, 2013. All informative lecture on health care by renowned cardiologist Dr. Jagdish Hiremath, was arranged for the benefit of all the staff members of the college. It was very informative, interesting and useful for all.

Infrastructural growth and Development in various Departments:

In the recent past our college has taken spectacular strides on the path of progress. We have received 'Best College award' from the University of Pune; 'A' Grade awarded by NAAC, Bangalore; the status of 'College with Potential for Excellence' (CPE); 'Star College' Scheme of Department of Biotechnology, New Delhi (DBT) and the sanction of special Grant for the development of Life Science Department.

In addition to these grants college is also in receipt of funds from different sources; BSR, QIP and BCUD. It also includes grants received to the individual proposals of Major/Minor Projects/Schemes of the UGC. Many teachers from the different departments of the college are in receipt of such grants.

Due to these funds our college has been able to improve the existing infrastructure of the college in general and laboratories in particular. We are also able to provide additional facilities to the students and staff of the college and adopt innovative practices.

Facilities to students:

We have installed adequate Water Coolers of branded companies on each floor of the building and also installed Water Purifiers for both the drinking water tanks at the ground floor to provide clean and cool water to the students.

The facility of ramp and two lifts is made available for the benefit of the physically handicapped students, staff and also senior citizens.

We are using SMS facility for informing students short notices and dates of filling of examination forms etc.

Many decisions taken in the Parents-Teachers Association have been useful for both the students and staff to provide necessary facilities to the students.

Well equipped gymnasium is made available for the physical fitness of the students.

International students Cell has been formed for international students admitted for different courses in our college. Necessary guidance is provided to them for carrying out academic and other activities smoothly during their stay in the college.

Social activities:

In the months of September 2013, a cycle rally was arranged in collaboration with Prajapati Brahmakumari Vishwavidyalaya from Modern College, Pune to Satara for Yuva Jagruti-Awareness amongst youth.

Activities related to development in the rural area were held by the students of NSS of both the Units (Senior and Junior) of our college in the month of December, 2013. During their residential camp organized at Phulgaon, Pune. The villagers appreciated the efforts of the students.

Large number of NSS volunteers participated in the Rice Plantation activity in the rural area along with the farmers. The farmers were surprised at the enthusiasm and outright help rendered by the students.

The National Voters Day was celebrated on 25th January, 2014. Principal Dr. R. S. Zunjarrao led the each to be taken by he citizens, students and staff of the college. He also distributed the Voters ID cards to the newly registered voters of the local area.

The Campaign of I Will Vote was also arranged in the college with the help of Sakal Newspaper Company. All the students and staff were present for this function. This special drive was for creating awareness among the youth and citizens of Pune about the duty to vote.

General events during the year:

The administrative staff participated in various functions organized during this year. These include: College Foundation day, International Conference organized by department of Life Sciences, National level Seminar by the department of Electronics, State level Seminars by the department of Marathi and Commerce, District level Seminars and Lecture series organized by various departments.

The staff also participated in functions organized by Arts Circle and all different Associations. These included: Annual Social Gathering. Academic Prize Distribution Function, and Modern Harmony-organized by Gymkhana Department, Gymkhana Prize Distribution Function, Arts Circle Week and Art Circle Prize Distribution Function.

The staff also attended to visited to visits of the Local Inquiry Committees regarding affiliation and continuation etc.

Information for freshers:

This year also guidance session (information lectures) were scheduled at the beginning of the academic year for the fresh students (freshers) seeking admission in our college (i.e. Std XI and First Year Classes of all the streams).

Heads of all Departments and Chairpersons of various Committees gave basic information about the facilities, prospects, skill development programmes and various activities in the college. General information regarding Office administration was also given to them.

During this academic year also Identity Cards were made available on the vary day of admission to students of all classes. This helped the students and staff to maintain discipline in the college premises.

Proposed use of advance technology:

In many of the fields we are using Advance Technology / ICT. In near future, we plan to introduce activities like online admissions, computerized attendance of students, Alerts to parents regarding attendance and performance of their wards and online communication of teachers with parents and students.

University of Pune has already started sending online question papers of some classes on trial basis. We have

successfully adapted ourselves to this system. We have purchased high speed Reso Digital Copiers especially for this purpose.

Digital Record Room:

Separate space and a dedicated staff to coordinate digitization were provided. Old records were scanned and data retrieval software system was installed and implemented during the year. Important documents, reports and records of students and staff can now be easily accessed and retrieved.

Secondly this facility has helped us to save time, storage space and manpower.

The formal Inauguration of the Digital Record Room and Digital Library was arranged in July, 2013 at the auspicious hands of Dr. D.Y. Patil, Governor of Bihar.

General administration and examinations:

Routine administrative work was carried out smoothly due to the excellent co-operation of all the members of the staff including the newly appointed staff. All University theory examination, H.S.C. Board theory examinations and eh total responsibility of the First Year University examinations including printing of Admit Cards of students, preparation and declaration of results, were efficiently managed by the office Staff.

All the online transactions related to the University as well as H.S.C. Board examinations and uploading the data were carried out successfully.

This year the University of Pune has introduced Credit System for the Post Graduate Courses. This is being flawlessly implemented for all the 16 post graduate courses in the college.

The office administration has reorganized the activities of the office so as to render more effective service to the students and staff especially by the effective use of Students Database Management by "VRIDDHI" software.

Office staff is taking maximum efforts to support the newly introduced system of Online Question Papers and Barcode System for the answer books. Training sessions were arranged for the information, for college staff involved in the examinations. A Special Guest lecture was also arranged for giving the detailed information regarding use and purpose of the barcodes and hollow craft stickers.

Office staff is also ready and willing to carry out the administrative work of newly proposed courses like B. Sc. Animation, Fashion Designing.

Medical examination of all first year students was conducted on behalf of the University of Pune, by the committee constituted by the college. Chairman Dr. Mrs. S. L. Taware and Superintendent Shri. V. L. Avhad carried out his activity with the help of teaching and non-teaching staff. Adequate team of doctors for the medical examination carried out this work smoothly.

The college is developing its own new website. Information of newly introduced course, different events and activities conducted by the college would be made available on the website.

This year efforts are being taken to develop CMS based college website in which each and every department will have its own website, linked with the main website of the college. Data sharing between the administrative section and the departments will become easier.

This will also enable the students to be updated independently regarding various aspects related to their academics and all other college activities.

The idea of online admissions and online payments of fees is also under consideration for the benefit of parents and students seeking admissions in our college.

The Accounts and Administrative section of the college has taken efforts to see that, all the work related to Provident Fund will be completed in time. The PF Slips are under process for distribution to the staff. The Service Books of all teaching & non-teaching staff of Senior and Junior College are also being update and scanned. Various claims and disbursement of all pending arrears of the staff is completed. Quick submission of pension cases of retiring members of the staff and its follow-up, speedy settlement of Pension & PF cases, reimbursement of medical bills has been done.

The Account section is taking utmost care to complete all accounting work accurately and within time schedule. Care is being taken to disburse all the amounts in time, received from the Government & other authorities. The internal audit of all the Units of the college, as well as Statutory Audit for the year 2012-13 has already been completed. The Audit of the current year i.e. 2013-14 will be initiated immediately.

Under the able guidance of Principle, Dr. R. S. Zunjarrao, Vice-Principal and Secretary PES Prof. S. S. Deshmukh, the Statement of Expenditures and Utilization Certificates and Audit regarding different schemes and sanctioned by the different funding agencies have been completed in time.

We thank Dr. Y. R. Waghmare, Prof. S. S. Thengadi, Prof. S. R. Choudhari and Mr. Deepak Shah for their contribution in this regard.

From last few years we are implementing the 'Earn & Learn Scheme' introduced by University of Pune. Maximum numbers of needy students from different classes were given chance to work either in the library, office or in different departments. Assistance from the students is helpful for the respective departments and the students also gather administrative experience. This scheme is strictly implemented as per rule and regulations and guidelines given by the University of Pune.

Workshops:

- Organized by the Deputy Director of Education, Pune Regional Office on adopting new technology for online admissions to class XI from the year 2014-15, were attended by Vice Principal, Supervisor of Junior College, some of the faculty coordinators and non-teaching staff.
- Organized by Education Officer, Z.P. Pune regarding online Pay was attended by Mrs. Kulkarni S. S. and Shri. Nawale Nilesh.

- For Salary Budget by the Joint Director's office and such other workshops related to salary and Non-salary Grants; for Teaching and Non-teaching Staff Placements and Promotion, Pay Fixation etc., were also attended by Superintendent Shri. Renuse P. D., Head Clerk Shri. Parde Indrajeet, Senior Clerk Shri. Sagar Chavan and other staff from administration section.
- Organized by the Social Welfare Office regarding online Scholarship and Free ships and approval of fees of various grant and non-grant courses were also attended by Head Clerk Shri. Parde Indrajeet and Smt. Sasane Sunita.
- Organized by University of Pune for approval of Teaching Staff and on Eligibility of Students, on CAS for Senior College Staff, were also attended by the administrative staff.

The duties assigned to teaching and non-teaching staff of the college by Election Commission were also carried out successfully by staff members concerned.

The staff provided an able support in smooth conduct of Senior College Interviews arranged for selection of teaching and non-teaching staff, written examination organized for recruitment of non-teaching staff, NET/SET exams of private organizations.

We welcome Shri. Raju Jadhav and Shri. Nivangune Vijay, non-teaching staff members transferred from Modern College, Ganeshkhind, Pune-53.

Congratulations - for special achievements:

Congratulations to our Principal Dr. R. S. Zunjarrao for getting Best Principal Award of University of Pune.

Congratulation of Prof. Varade P. S. and Prof. Mrs. Bhandare Nisha and all the teachers and students of the NSS Unit, Senior College for getting Best NSS Unit Award of University of Pune and Special Congratulation to Prof. Varade P. S. for getting Best Programme Officer Award of University of Pune.

Congratulations to Prof. P. M. Sambare and all the teachers and students of the NSS Unit, Junior College for getting the State level award for Best NSS Unit for the year 2012-13.

Congratulations to our Librarian Mrs. Datre M. S. for getting Adarsh Granthpal Puraskar of Pune Nagar Wahan Mandir during this year.

Congratulation to the students of our college for getting Chhatrapati Awards of State Government of Maharashtra. Congratulation to all the students who have participated in various sports activities either individually or as a team and won the prizes for the college, to the students selected for participating in R. D. Parade New Delhi, to students participating in various cultural activities and for either achievements in various fields.

Congratulations to all those teaching staff who have succeeded in getting financial assistance / grants for various projects, research work and schemes from various funding agencies such as BCUD, UGC, DBT, DST etc.

Congratulations to Dr. Mrs. S. K. Rahane, Associate Professor, Commerce and Mrs. L. R. Patankar, Vice-Principal Junior College for getting Meritorious Best Teaching Award and Shri. T. B. Jadhav, Library Attendant for getting Best Non-teaching Staff Award from the P. E. Society Pune-05.

We welcome the following newly joined staff.

Teaching:

1. Dr. Patil S. S.	- Physics	3. Prof. Jadhav R. D.	- Commerce	5. Prof. Kudnar P. S.	- Zoology
2. Prof. Gogate S. R.	- Physics	4. Prof. Shinde Y. S.	- Zoology	6. Prof. Ms. Waman V.	- Physics

Non-Teaching:

1. Shree. Gaikwad Mahesh - Office	2. Shri. Khunte Gaurav - Lab. Asstt. (Geography)	3. Shri. Doundkar Vikas - Lab. Attn. (Chemistry)	4. Shri. Jadhav Pandurang - Peon (Office)
5. Shri. Shendkar Sambhaji - Office	6. Shri. Mule Sanket - Lib. Attn. (Library)	7. Shri. Kondhalkar Rushikesh- Peon (Office)	8. Shri. Gogawale Vijay - Peon (Office)
9. Shri. Salunke Amit - Office	10. Shri. Gore Ganesh - Lab. Attn. (Botany)	11. Shri. Ingale Shivraj - Peon (Office)	12. Shri. Kadam Maruti - Peon (Office)
13. Shri. Mali Kiran - Lab. Asstt. (Chemistry)	14. Shri. Sonawane Yogesh- Lab. Attn. (Electronics)	15. Shri. Ghane Amom - Peon (Office)	16. Shri. Mohol Atul - Peon (Office)
17. Mrs. Kadam Tanvi - Peon (Office)			

We congratulate Mr. Bhargude Vivekanand promoted as Library Attendant and Mr. Panvelkar Datta Promoted as Laboratory Attendant.

Best wishes to all those teaching and non-teaching staff pursuing their higher education, for those non-teaching appearing for various Board and University examinations and also congratulations to those who have obtained success in MS-CIT, HSC and University level examinations during this year.

Heartfelt wishes for the retiring staff:

1. Mr. Sherikar V. M. - 31 st May 2013	2. Mr. Khandagale A. A. - 30 th June 2013	3. Mr. Sanas S. V. - 30 th June 2013
4. Mr. Rane M. M. - 31 st May 2013	5. Mr. Bhome B. W. - 30 th September 2013	6. Mr. Tandale T. B. - 31 st May 2013
7. Mr. Gutte B. D. - 31 st July 2013		

We wish our retired colleagues a happy, peaceful and healthy retired life.

The Chairman Local Managing Committee & Junior College Committee, The Principal, Prof. Incharge BBA/BCA & Vice Principal constantly guided & inspired the Office Staff in their day-to-day work. Particularly 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, Prof. S. K. Ujlambkar regarding financial and UGC matters, particularly for getting Grants for the college from different sources and utilization of these grants. Guidance 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 with Choice Based Credit System
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 (Up to April 2015)	M.Sc., Ph.D. (Zoology)	Assistant Professor	Zoology	17	-
Mrs. Rama Mandar Phadke	M.Sc., SET (Biotech nology)	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	-
Prof. Radhika Oke	M.Sc.	Assistant Professor	Biotechnology	01	-

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

Principal Investigator	Title	Funding agency	Amount (Rs.)	Year
Dr. Sangeeta Bhagat	Screening of some indigenous plant species for Xanthine Oxidase inhibitors- Potential remedy for gout	BCUD	1,60,000/-	2014-2016
Dr. Rebecca Thombre	Studies on bacterioruberin and membrane proteins from Haloarchaea isolated from Mumbai	BCUD	2,30,000/-	2014-2016
Dr. Geetanjali M. Litake	Studies on environmental dissemination of MDR <i>Staphylococcus</i> species	BCUD	1,80,000/-	2014-2016
Mr. Ravi L. Dabhade	Green synthesis of metal nanoparticles and studies on nitrate reductase	BCUD	1,30,000/-	2014-2016

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) Completed (2012-2014) Started (2013-2015)	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 (2013-2015)	16,04,000/-
Dr.P.P.Kanekar(CSIR Emeritus scientist)	Major	CSIR	Started (2013-2016)	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
2013-14	80

- 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
2013-14	20

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 Glassgow 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 13-15th 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
2013-14	157	33	3	30	75.55

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
2013-14	133	24	5	19	100

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
2013-2014	98.31	1.69	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
2013-2014	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	-
Employed	
• 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
2013-2014	93

Other Scholarships:

Year	Name of Student	Name of Scholarship
2010-2011	Mokshada Varma	Received scholarship from 'Malhotra Weikfield Foundation' for M.Sc. Biotechnology
2013-2014	Meenu Kuman and Elvina Joseph	Received scholarship from 'Leela Poonawala Foundation' for M.Sc. Biotechnology
2013-2014	Prachi Joshi, Sameer Sohoni and Aakankha Patil	PICC scholarship

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

- Star college funded workshop based on PCR based techniques was conducted in March 2014 for T.Y.B.Sc Life Sciences students

Date of Event	Name of Activity / Event	No. of Participants	Usefulness of Activity / Event	Other Information
January. 2014	Soft skill workshop	34	Training of students for self-awareness and development	Organizer-PACEMAKERZ Group discussions and personal interviews

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:

In the year 2013-14 department of Biotechnology organized various activities viz Biotech fest, lecture series, workshop on PCR techniques etc. The staff and students participated actively in research, curricular and extracurricular activities. The department also organized various different field visits and study tours to give industrial exposure to students. Following are the places where the biotech students visited as a mandatory part of their syllabus.

Sr.No.	Class	Visit	Date
1	S.Y.B.Sc	Serum Institute and KF bioplants.	14 th Feb 2014
2	T.Y.B.Sc	Lavasa city	Oct 2014
3	T.Y.B.Sc	Wine industry	Jan 2014
4	M.Sc II	BAIF	Sept 2014

Ongoing research projects in the department are as follows:

Dr. Rebecca Thombre	Halophilic bacterial diversity of west coast on India	2 years 2013-2015	ISRO-UoP	16,04,000/-
Dr. P. P. Kanekar (CSIR emeritus scientist)	Exploring halophiles from west coast of India for production of bacteriorhodospin, a novel protein capable of converting light energy into electrical energy.	3 years 2013-2016	CSIR	7,62,000/-

Teachers Achievements:

Dr Sangeeta Bhagat

- Poster presentation in the National Symposium on Biomedicine: Unfolding the secrets of Nature **“Study of antibacterial, antioxidant & tyrosinase inhibitory activity of Aloe Vera”** on 10th and 11th Jan 2014 at IBB University of Pune, Pune.
- Organized Lecture series on ‘Advanced Techniques in Genomics and Proteomics’ on 7th March. **2014** at Department of Biotechnology.
- Member of organizing committee for International Conference on Environmental Conservation by Adapting new Technologies’ during 28-29th Jan 2014 at Modern College of Arts, Science and Commerce, Shivajinagar, Pune 5
- Organized **‘Biotech Fest’** on 15-16th Jan. **2014** at Dept. of Biotechnology, Modern College, Shivajinagar, Pune 5
- Organized Lecture on ‘Credit system implementation’ by Dr. Saroj Ghaskadbi on 7th Sept. **2013** for faculty and PG students at Department of Biotechnology.

Dr. Rebecca Thombre

- **Reviewer INDIAN JOURNAL OF BIOTECHNOLOGY (IJBT), Springer.(2014)**
- Project on “Halophilic biodiversity of West Coast of India” worth Rs. 16,04,000/ sanctioned by Indian Space Research Institute, ISRO-University Pune.(2013-2015)
- **Invited Speaker** for International Conference on Biomarkers at **St. Hilda’s College, Oxfordshire, Oxford University, UK** on “Plant peptide lectin coated silver nanoparticles for targeted delivery of drugs against carbohydrate antigen expressing cancer cells” .(April 2014)

- Attended workshop organized by **American Society of Microbiology** and Association of Microbiologist of India at Modern College, Shivajinagar, Pune-5.
- Invited Speaker at Vasundhara Festival organized by Fergusson College, Pune.(Feb2014)
- **Joint Organizing Secretary for International Conference** on Conservation of Environment by using new technologies (ICECANT-2014) organized by Modern College, Pune-5.(January 2014.)
- **BEST ORAL PAPER AWARD** at National Conference on e-Waste Management, PES, Modern College, Pune-5. (23-24 December 2013.)
- **Biotech Research Society of India-BEST POSTER AWARD** at International Conference on Bioinformatics and Biotechnology organized by Biotech Research Society of India, at Le Meridian, Pune.(25-27 November 2013.)
- Attended workshop on "IPR" organized by Indian Patent Office (IPO) and GMGC on 5th Jan 2013.
- Attended workshop on "**Intellectual Property Rights**" at Dept of Biotechnology Modern College, Shivajinagar, Pune on **2nd Feb 2013**
- **Organised Lecture series "Intellectual Property Rights - A career option for Life Sciences" on 18-19th Jan 2013**
- Organised **Biotech fest** on **Feb 2013** in Dept of Biotechnology Modern College, Shivajinagar, Pune 5
- Attended one day workshop for teacher on 'cooperative learning applied to classroom' on 8th feb 2013 and organized by Modern college of Arts, Science and Commerce Shivajinagar Pune 05.
- 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 15th feb 2013.

Dr. (Mrs.) Shubhangi S. Puranik

- Attended a meeting at "Maratha chamber of Commerce "Bhosari , Pune on 11th March 2013.
- Organized & chairperson of "**Industry-Academia Meet**" in Modern college of Arts, Science and Commerce Shivajinagar Pune 05 on 14th March 2013
- Organized **Biotech fest** on 15-16th Jan. **2014** at Dept. of Biotechnology Modern College, Shivajinagar, Pune 5
- Member of organizing committee for International Conference on Environmental Conservation by Adapting new Technologies' during 28-29th Jan 2014 at Modern College of Arts, Science and Commerce, Shivajinagar, Pune 5

Mrs. Rama Phadke

- Organized Skill development workshop in PCR techniques for T.Y.B.Sc. life science students funded by DBT STAR College, on 27-28th March 2014 at Department of Biotechnology.
- Organized **Biotech fest** on 15-16th Jan. **2014** at Dept. of Biotechnology Modern College, Shivajinagar, Pune 5
- Member of organizing committee for International Conference on Environmental Conservation by Adapting new Technologies' during 28-29th Jan 2014 at Modern College of Arts, Science and Commerce, Shivajinagar, Pune 5
- Attended the International Workshop and National Seminar on Crystallography organised by JNU Delhi in Nov 2013.
- Organized visit for S.Y.B.Sc students at Serum Institute and K.F.Bioplant.

Mr. Ravi L Dabhade.

- Submitted BCUD minor research project entitled free synthesis of metal nanoparticles using bacteria and studies on nitrate reductase.
- Registered for Ph.D. at Division of Biochemistry, Department of Chemistry, University of Pune
- Worked as member of organizing committee for 'International conference on Environment conservation by adopting new technologies' on 28th and 29th jan 2014 in modern college of Arts Science & Commerce. Shivajinagar Pune 05
- Organized **Biotech fest** on 15-16th Jan. **2014** at Dept. of Biotechnology Modern College, Shivajinagar, Pune 5
- Organized M.Sc. visit at BIAF

Dr. Litake G.M.

- A review article published : Joshi SG, **Litake GM.** (2013) *Acinetobacter baumannii*: An emerging pathogenic threat to public health. *World J Clin Infect Dis* **3**(3):25-36.
- Organized Skill development workshop in PCR techniques for T.Y.B.Sc. life science students funded by DBT STAR College, on 27-28th March 2014 at Department of Biotechnology.
- Organized Lecture series on 'Advanced Techniques in Genomics and Proteomics' on 7thMarch. **2014** at Department of Biotechnology.
- Member of organizing committee for International Conference on Environmental Conservation by Adapting new Technologies' during 28-29th Jan 2014 at Modern College of Arts, Science and Commerce, Shivajinagar, Pune 5
- Organized '**Biotech Fest**' on 15-16th Jan. **2014** at Dept. of Biotechnology, Modern College, Shivajinagar, Pune 5
- Organized Lecture on 'Credit system implementation' by Dr. Saroj Ghaskadbi on 7thSept. **2013** for faculty and PG students at Department of Biotechnology.
- AMI-ASM Workshop on 'Art of Science Communication' on 22nd Jan. 2014 at Modern College of Arts, Science and

Commerce Shivajinagar Pune 05.

- Attended NSS camp at Phulgaon.
- Organized M.Sc. visit at BIAF

Dr. Sangeeta Sathaye

- Organized **Biotech fest** on 15-16th Jan. **2014** at Dept. of Biotechnology Modern College, Shivajinagar, Pune 5
- Member of organizing committee for International Conference on Environmental Conservation by Adapting new Technologies' during 28-29th Jan 2014 at Modern College of Arts, Science and Commerce, Shivajinagar, Pune 5
- Organized Lecture series on 'Advanced Techniques in Genomics and Proteomics' on 7th March. **2014** at Department of Biotechnology.
- Organized Lecture on 'Credit system implementation' by Dr. Saroj Ghaskadbi on 7th Sept. **2013** for faculty and PG students at Department of Biotechnology.

Dr. Sharad Goswami

- Organised **Biotech fest** on **Feb 2014** in Dept. of Biotechnology Modern College, Shivajinagar, Pune 5
- Worked as a member for Registration committee '**International conference on Environment conservation by adopting new technology**'**2014** organized by Modern College of Arts, Science and Commerce Shivajinagar Pune 05.

Achievements of F.Y.B.Sc students:

1. Shubham Magdum & Nishi Roy – 1st Gold Medal in Botanica Wadia College.
2. Shubham Magdum & Nishi Roy – 1st Gold Medal in Biofest Wadia College.
3. Pratik Dudhal & Christeena Shaji – 3rd Bronze trophy in Biofest at Rajmata Jijau College, Bhosa

Achievements of S.Y.B.Sc

S.Y.B.Sc students Participated in different competitions:

1. Athith Chitnis, Yash Bogavat, VedantKadam – Biotech Fest 2014 1st Prize in Quiz yet again.
2. Preetam Patil, Raheen shaikh, Neha, Revati Fulmandikar – 1st prize in poster – Topic: Vitamin B12.
3. Yash Bogavat, Atith Chitnis, Vedant Kadam, Abhijeet Kale – International Conference on Advancer in Biotech & Bioinformatics organized by BRSI.
4. Atith Chitnis & Yash Bogavat selected for best project category in Avishkar (2013-14)
5. Vedant Kadam, Yash Bogavat – Best BSS Volunteers
6. Samruddhi Zende – Selected as UR of Modern College

Achievements of M.Sc students:

1. Rituja Pandhre & Aparajita Kulkarni – 1st prize in Biorangoli, Biofest.
2. Vinaya Shinde & Ankita Deokar – 2nd prize in poster presentation Biofest.
3. Meenu Kuman & Balkrishna Talwar – 1st prize in poster presentation in Biotechfest.
4. All M.Sc. I participated in International Conference.
5. Vrushali Papule & Nikita Vaidya – Poster presentation, University BBM, University of Pune.
6. Elvina Joseph & Meenu Kuman Received Leela Poonawalla Scholarship.
7. Rituja Pandhre & Priyanka Shirke – Poster Presentation, Botany Fest, Nowrosjee Wadia College.
8. Renuka Joshi, Prajkta Tambe and Sakyala Chavan qualified GATE 2014.

Biotech fest: 2013-14



Department of Botany

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 Post Graduate Department of Botany has a compulsory course on 'Human Rights' and 'Cyber Crime' in the teaching of which the Department of Electronic Science is involved.

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 : Choice Based Credit System since June 2013.
Before June 2013, 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.,	Assistant Professor	Plant Physiology	UG: 10 yrs	NA

	Ph.D., NET			PG: 10 yrs as Contributory	
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/-
			TOTAL	89,65,050/-

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
- Gel Documentation unit
- Cooling water bath
- -20 °C refrigerator

- Microphotography unit (Leica)
- Bomb Colorimeter
- 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

Up to the academic year 2013-2014, all the projects of M.Sc. Botany students were of in-house type.

23. Awards / Recognitions received by faculty and students

- Dr. R.S.Zunjarrao, Head of the Department of Botany and Principal of the college was awarded the Best principal Award of the Pune University in February 2014.
- 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, 28th to 30th January 2010, funded by University Grants Commission, New Delhi.
- International Conference on Business Opportunities in Life Sciences, 28th to 30th January 2012, funded by University Grants Commission, New Delhi.
- International Conference on Environmental Conservation by Adopting New Technologies, 28th & 29th January 2014, funded by University Grants Commission, New Delhi and National Bank for Agriculture and Rural Development (NABARD), Pune.
- Workshop details: from IQAC and DBT star college
- 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
- Workshops on Seed Technology, Plant Tissue Culture and Microtomy were organized for undergraduate students of Botany and these workshops were funded from DBT Star College Scheme.

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
2013-2014	402	161	46	115	96.77

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
2013-2014	122	24	4	20	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
2013-2014	99.08	0.92	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
2013-2014	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
Employed	
• 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
2013-14	142

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

The department has organized following lectures

- Dr. H V Ghatge, Head (Retd), 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: 96; T.Y. B. Sc: 31 and M.Sc I, II – 50.

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.
- 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 2013- December 2013.
- Under the guidance of Dr. R.S.Zunjarrao in the month of January 2014, the Department of Botany had organized an Intercollegiate Photography Competition based on the theme of 'Landscapes'. Dr. Rajkumar Barmukh coordinated this event. About sixty participants, students as well as teachers, from various colleges participated in this competition and about 125 photographs were displayed in the exhibition.
- Under the guidance of Dr. R.S. Zunjarrao, the department organized Flower arrangement competition and Model competition on 6th and 7th February 2014. Around 160 students participated in both the events.

Different Courses conducted by Department

- Certificate 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.
- Certificate course in Seed Technology was conducted by Prof. Arti P Goggi.

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

- Dr V.D.Ranade, Retd. Head, Botany Department, Garware College, Pune.
- Dr. Bonde, Agharkar Research Institute, Pune.
- Ms. Komal Dhumal
- Dr. Sagar Datir

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.

- A Botanical Excursion Tour was organized at Mahabaleshwar for the students of S. Y. B. Sc. in the month of February 2014 for observation of Angiospermic and other plants.
- 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 2014.
- A short visit to the Plant Tissue Culture Laboratory of the Department of Biotechnology, Modern College of Arts, Science and Commerce, Shivajinagar, Pune, was organized for the students of S. Y. B. Sc. in the month of February 2014.
- A visit was arranged for T. Y. B. Sc student's to Ayurvedic Rashtra, Karve road Pune, Plant Breeding Station of ARI, Seed Testing Lab, Seed processing unit.
- A visit was arranged to Dive-Agar, Harihareshwar for M.Sc. II students in the month of September 2013 to

observe the algal diversity

vi) A one day visit to Mahabaleshwar was arranged for M.Sc. I students in the month of March 2014.

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 Principle Investigator of a major research project entitled 'Developing a Digital Herbarium of Angiospermic Plants of The Western Ghat Regions of Maharashtra.', sanctioned funds of Rs. 9,86,750/-

b. 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)

c. 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 10th 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 28th to 30th 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.

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 S. Y. B. Sc. Botany syllabus to be implemented from the academic year 2013-2014.

b. Attended a one day workshop at Antrao 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 T. Y. B.Sc. and M. Sc. Students.

b. Guided S.Y. B. Sc. students for BCUD sponsored Project Competition Named "Avishkar".

c. Participated in National conference entitled, "Exploring Strategies for Enhancement of Secondary Metabolites in Medicinal Plants" conducted at Dept. of Botany, University of Pune.

d. Presented poster at the national conference held at IBB, University of Pune, and Yashwantrao Mohite College, Pune

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 T. Y. B.Sc. and M. Sc. Students.

c. Guided S.Y.B.Sc students for BCUD sponsored Project Competition Named "Avishkar".

d. Presented poster at the national conference held at IBB, University of Pune, and Yashwantrao Mohite College, Pune

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. Dr. K. D. Gopale

- a. Awarded Ph. D. in Botany by University of Pune on 17th 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. Lecturer Workshop attended:
 - i) Attended State level work shop on “Choice Based Credit System” organised by Chandmal Tarachand Bora College, Shirur, Pune, on 16th January, 2013.
 - ii) Attended work shop on “Framing of credit system syllabus for M. Sc. Botany” organised by New Arts, Science and Science College , Ahmednagar, on 26th February, 2013.
- d. 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**)

3. Prof. Rasika Kulkarni**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 7th Jan 2013 to 13th 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 11th March to 14th 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 students of S.Y. B. Sc. Botany, Mr. Aniket Phadtare and Mr. Makrand Toradmal presented a poster on at Avishkar zonal Level Project Competition on December 10th 2013 held at Modern college of Arts, Science and Commerce, Ganeshkhind, Pune-411053.
- b. Four students of S.Y. B. Sc. Botany, Ms. Ashwini Kamble, Ms. Bhavana Shirke, Ms. Sheetal Kalgaonkar, Ms. Sonali Shedge presented a poster at National level conference on February 11th 2014 at Dept. of Botany, University of Pune, Ganeshkhind, Pune-411053.
- c. Following students obtained prizes in the Flower arrangement completion and model competition:

Flower arrangement competition:

- 1st prize: Mangesh Shinde, Rupesh Shinde, Rupesh Dhumal, Vijay Sangle
 2nd prize: Sonali Shedge, Sheetal Kalgaonkar, Ashwini Kamble, Bhavana Shirke
 3rd prize: Prachi Argade, Neeta Dongre, Shamal Tapkir
 Consolation prize: Manisha Nirphal, Gayatri Tingre

Model competition:

- 1st prize: Pranjal Shinde, Aditi Bhujbal, Pratiksha Pharande, Krutika Tupe
 2nd prize: Soma Shaikh, Mayuri Dagale, Ashwini Gaikwad
 3rd prize: Prachi Argade, Neeta Dongre, Shamal Tapkir, Neha Mulay, Tejaswini Awad
 Consolation prize: Sarita Khetawat, Komal Pawar, Rani Khalade, Shamal Thombre

Post graduate section

- 1st prize: Apurva Patodekar
 2nd prize: Vrushali Telang, Yogita Gangurde
 3rd prize: Harshada Marathe, Sushma Parhad, Mayura Budhkar

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 with Choice Based Credit System

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	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Prof. S.R.Pokharkar (Upto 30 th September 2013)	M.Sc. M.Phil.	Ex-HOD, Associate Professor	Inorganic Chemistry	35	-
Dr.(Mrs) S. D. Joag (upto 31 st 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 23rd to 25th 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' 7th rank in M.Sc. (Analytical Chemistry) May, 2012.

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

- Prof. M. S. Wadia, Ex-HOD, Department of Chemistry, SP Pune University, Pune 7.(2014)
- Prof. D. D. Dhavale, Director CIF, HOD Department of Chemistry, SP Pune University,Pune 7. (2014)
- Prof. R. S. Kusurkar, Ex-HOD, Department of Chemistry, SP Pune University, Pune 7. (2014)
- 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	-
2013-2014	402	287	108	179	65.78

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
2013-2014	75	49	36	13	66.66

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
2013-2014	99.08	0.92	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
2013-2014	98.94	1.06	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	-
Employed	
• 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
2013-14	147

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.
11/2/14	5. NMR spectroscopy - Prof. Dr. D. D. Dhavale, HOD, Dept. of Chemistry, Pune University.
12/2/14	6. C-13 NMR Spectroscopy - Prof. Dr. R. S. Kusurkar, Emeritus scientist, Pune University.
13/2/14	7. Mass Spectroscopy - Prof. Dr. M. S. Wadia, Emeritus Professor, Pune University.

- Certificate Course in Analytical Techniques (in collaboration with Ross Life Science Pvt Ltd) 27th to 30th 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 Summer 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. Ms. Apurva Bhagat achieved 1st rank in University in M.Sc. analytical Chemistry.
2. Guest lecture series for T. Y. B.sc. and M.Sc. students on spectroscopy by Prof. D. D. Dhavale, Head- Department of Chemistry, University of Pune.
3. Campus interviews arranged for M.Sc. students of following companies, Lupin PharmaLtd. - a pharma multinational company, Esolve-online teaching company & Evolvus -online data analysis company.
4. Four M.Sc. students have completed their research project form, NCL, CMATE & Department of

chemistry, University of Pune.

5. Get together of past students of Modern college (1987 batch).
6. M.Sc. Analytical chemistry granted second division & total 50 students have been admitted for M.Sc.-I in the year 2013-2014.
7. Prof. S.S. Sakate has been granted 'Faculty improvement program' leave to carry out the Ph. D. Research at NCL, Pune.
8. Prof. A.S. Warangule has been appointed as an assistant professor.

Personal Achievements:

Prof. S.R. Pokharkar, Head

- Worked as a resource person for one day workshop for revision of S.Y.B.Sc. chemistry courses organized by Modern College, Ganeshkhind, Pune.
- Is appointed as a chairman for M.Sc.-II Analytical chemistry theory & practical examinations by University of Pune.
- Chairman of Library committee, Modern College, Pune 5.
- Incharge of students' store (journals), Modern College, Pune 5.
- Attended one day workshop on Laboratory, health & safety organized by IISER, Pune.
- Attended syllabus restructuring workshop for M.Sc. Chemistry organized by BCUD, University of Pune & Department of Chemistry, University of Pune.

Co-author of four books according to revised syllabus (2013).

- 1) S.Y.B.Sc. Inorganic chemistry
- 2) S.Y.B.Sc. Analytical chemistry
- 3) S.Y.B.Sc. Practical chemistry
- 4) M.Sc.(I) Practical chemistry

Dr. Sushama Joag

- Worked as a judge at the Interschool Exploring Science Project Competition organized by BVB's Muktangan Exploratory Science Centre, Pune on 27th Feb. 2014.
- Was invited to participate in 'Exciting Experiments in Chemistry' demonstration programme organized at IISER, Pune on science day. She took fifteen students from undergraduate classes for this programme.
- Participated in the workshop on 'Laboratory, health & safety' organized at IISER, Pune on 2nd April 2014, organized jointly by Royal Society of Chemistry, NCL & IISER Pune.

Prof. R. M. Jagtap

- Attended one-day Symposium on 'Recent trends in Analytical Chemistry' at H. V. Desai College, Pune on 27th August 2013.
- Worked as an Examiner at 'State Level Science Exhibition' at Balbhim College, Beed, organized by Dr. Babasaheb Ambedkar Marathwada University, Aurangabad on 3rd September 2013.
- Completed a refresher course in Chemistry with 'A' grade from UGC-Academic Staff College, Pune from 11th November to 1st December 2013.
- Registered for Ph.D. programme at Department of Chemistry, University of Pune in November 2013.
- Coordinated a state level 'Science Talent Search' Examination for UG students conducted by Balbhim College, Beed on 14th January 2014.
- BCUD, University of Pune has sanctioned a minor research project of Rs. 2,30,000 in February 2014.
- Attended a workshop on 'Laboratory Health and Safety' on 2nd April 2014 at IISER Pune, jointly organized by IISER, NCL Pune and Royal Society of Chemistry, UK.

Prof. (Mrs.) P. B. Suryavanshi

- Completed a refresher course in Chemistry with 'A' grade from UGC-Academic Staff College, Pune from 11th November to 1st December 2013.
- Coordinated a state level 'Science Talent Search' Examination for UG students conducted by Balbhim College, Beed on 14th January 2014.

Dr. Kirti D. Badave

- Attended state level seminar on Recent Trends in Analytical Chemistry (RTAC) organized by Department of Chemistry, H. V. Desai College in association with BCUD, University of Pune on August 27th, 2013.
- Presented a research paper in Mini symposium "The wonderlands of Molecular structures through looking-Glass of X-ray Crystallography" organized by CSIR_National Chemical Laboratory on September 23rd, 2013.
- Attended National Conferences on "Sustainable Energy Development and Environment Systems (NCSEDES)" organized by H. V. Desai College in association with BCUD, University of Pune on January 10th-11th, 2014.
- Presented a research paper in 2nd International Conference on Herbal and Synthetic Drugs (HSDS-2014) organized by Abeda Inamdar Senior College (Department of Chemistry and Post Graduate research Center), Allana College of Pharmacy and MMERC's ZVM Unani Medical College, of Azam Campus, Pune-411001 on February 10th-12th, 2014.
- Participated in Workshop on "Laboratory Health and Safety" organized by IISER, Pune in association with Royal Society of Chemistry, CSIR-NCL and Chemical Research Society of India and on 2nd April 2014.

- Published paper entitled, "Cu(II) conjugation along the transformation of a Vitamin K₃ derivative to a dinaphthoquinone methide radical", Kirti D. Badave, Shalaka S. Patil, Ayesha A. Khan, Darbha Srinivas, Raymond J. Butcher, Rajesh G. Gonnade, Vedavati G. Puranik, Rahul V. Pinjari, Shridhar P. Gejji and Sandhya Y. Rane, *New J. Chem.*, 2014, 38, 277-284 (Impact factor 3)

Dr. S. K. Ujlambkar

- Appointed as Secretary, Life Member Board, and P.E. S. Society for next 3 academic years.
- Appointed as co-ordinator for Modern College of Physiotherapy, Shivajinagar, Pune 5.
- Appointed as School-Committee member, for Modern English Medium, Pre-Primary High School.
- As an expert in Chemistry, gave lectures to the STD. X teachers, as well as for students, in various schools.
- ON the occasion of Science day, 28th Feb. Inaugurated Science exhibition in various school and gave a talk on various topics, related with scientist and their research.
- Carried out Entrepreneurship development programme, for the school teachers, at Nigdi. More than 80 teachers participated in the programme. One day workshop on preparation of soap, detergents, perfumes, sprays and other useful products. Actual preparation was shown to all teachers.
- At the time of 'Ganesh Festival' – Exhibition of posters was organised in different schools.

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 / choice based credit system (Programme wise):**
B.Com.: Annual Pattern
M.Com.: Semester Pattern with Choice Based Credit system
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	-
Prof. Amol Nikale	M.Com., SET.	Assistant Professor	Advanced Accounting & Auditing	01	-

(* Presently on Sabatical Leave as per UGC-FIP, for pursuing Ph.D.)

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:

Prof. Rasika Date has received a Minor Research Project entitled 'Gender Audit of Educational Institutions – A Case Study of Select Deemed Universities in Pune' from BCUD, Pune University, Pune-7, for the period 2014-16. The funds sanctioned are Rs. 90,000/-

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			Total publications
	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:**

- Monograph on New Companies Act, 2013. (Published in February, 2014)

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*.

YEAR 2013-14

Sr. No.	Name of The Student	Title of Project	Class	Name of The Guide
1*	Ms. Khandve Neha Ms. Gothe Amruta	A Study of Impact of Local Body Tax (LBT)	T.Y.B.Com.	Prof. Rasika Date

* This project was selected for University Level *Avishkar*.

* This project was selected for University 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) and Miss Mrinalini Chaturvedi (2013-14) were recipients 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 th Oct., 2010	Revision of syllabi for T.Y.B.Com.
2010-11	State Level Seminar on 11 th and 12 th March 2011	Implementation of the International Financial Reporting Standards (IFRS)
2011-12	One Day Seminar on 19 th Jan., 2012	Recent Amendments in Cost Accounting Records Rules and Cost Audit
2012-13	National Level Seminar on 23 rd and 24 th March, 2013	Emerging Trends in Indian Commerce and Industry
2013-14	One Day Seminar on 21 st Feb., 2014	New Companies Act, 2013

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
2013-2014	1052	482	218	264	71.17

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
2013-2014	310	63	20	43	52.00

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
2013-2014	99.91	0.09	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
2013-2014	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.?: 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	-
Employed	
- 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
2013-14	233

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

Field Visits 2013-14

Sr. No.	Faculty In- Charge	Class	Places Visited
1	Prof. S. R. Hirwe & Prof. Moreshwar	T.Y.B.Com. C	Malegaon Sugar Factory
2	Dr. A. V. Kamble	S.Y.B.Com. B	Gultekdi Market Yard – APMC

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**a) 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.

b) Course in Basics of Stock Trading

It was conducted for T.Y.B.Com students between 1st march and 4th March 2014. Lectures on 'Basics in Stock Trading', 'Investment in mutual funds' and 'Online Trading' aimed at providing basic knowledge, creating awareness and interest and informing the student about the careers in Stock Trading.

C) Lecture Series -

A lecture series consisting of seven lectures on careers in Marketing, Banking, Print Media, Hotel Management and careers in Professions like C.A, Beauty Parlour etc. was organized from 6th January 2014 to 13th January 2014 for students of S.Y.B.Com and T.Y.B.Com classes. Eminent personalities guided the students.

D) Workshop on Modi Script -

The Department organised a One week Workshop in September, 2013 to develop the skill of Reading historical documents and business papers like sale, purchase deed in Modi Script. 25 students participated.

Special Events

A Delegation from the Department led by Dr.Y.R.Waghmare visited Shiram College of Commerce, New Delhi in March 2014 to study the academic and administrative aspects, best and innovative practices followed by the esteemed college.

Workshops and Seminars

1) 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

An industrial visit was organized by Prof. S. R. Hirwe and Prof. Moreshwar for the students of T.Y. B.Com to Malegaon Sugar Factory on 2nd March, 2014. The aim of this visit to know manufacturing process of sugar factory and to know method of calculation of total cost.

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

A) PAPERS PUBLISHED

- 1) **CA RASIKA P. DATE**, 2014, 'Green initiatives in banking sector – a comparative overview', *Environment Observer*, ISSN 2320-5997 Vol 18 (Jan., 2014), Page Nos. 78 to 82
- 2) **Dr. SANJEEVANI K. RAHANE AND Prof. SHRADDHA R. HIRWE**, 2014, Green Marketing – An effective tool of Corporate Social Responsibility – (Tata Motors- a Case Study) Proceedings of The National Conference on Corporate Social Responsibility: Relations between business and society, ISBN 978-93-83414-49-9, Page Nos. 52 to 57

B) OTHER ACHIEVEMENTS

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

- i) Was Seminar Director for One Day Seminar on 'New Companies Act, 2013' held on 21st February, 2014.
- ii) Leader of the delegation constituted by The Principal, MCASC, Pune 411005 to visit Shriram College of Commerce, New Delhi
- iii) 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) Conferred with 'Best Teacher Award' by the Progressive Education Society, Pune on 25th January, 2014 (Kanitkar Memorial Day)
- iii) Recognised as a Research Guide by the University of Pune in the Faculty of Management.
- iv) Invited as Judge for M. Pulse- 'Rolling Camera Action Event' by M.B.A. Department of Modern College of Engineering, Pune 411005.
- v) 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) Presented a paper titled 'Green initiatives of select Indian Banks – an overview' in the International Conference on Environmental Conservation by Adopting New Technologies organised by MCASC, Shivajinagar, Pune 411005 on 28th and 29th January, 2014.

ii) Worked as Avishkar Coordinator.

iii) Worked as Coordinator for One Day Seminar on 'New Companies Act, 2013'.

iv) Worked as Member of the Team of Authors who contributed to the publication of 'Monograph on New Companies Act, 2013'.

v) Participated actively in the Workshop on Practicals in Financial Accounting at F.Y.B.Com organised by BMCC, Pune on 30th and 31st August, 2013.

vi) 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-advertisement 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) Presented a paper in National Seminar on "Corporate Social Responsibility" organized by B.N. Navale College, Lonavala on 14th February, 2014.

ii) 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.

iii) Worked as a Coordinator of the workshop on "Basics of Stock Trading" organized on 1st, 3rd and 4th March, 2014 for the students of T.Y. B.Com.

iv) Worked in organising lecture series for the students of T.Y. B.Com.

v) Read and recorded two short stories of Sudha Murthy (translated by Leena Sohoni) at EMRC.

vi) Wrote an article in Marathi "Mazi Jadan Ghadan" for Department of Marathi.

vii) 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 9th December 2013 to 24th December 2013.

ii) Attended seminar on "Computerised Accounting" at Sangamner.

iii) Attended seminar on "Computerised Accounting" at BMCC, PUNE.

iv) Co-ordinator for F.Y.B.Com. Practical Examination 2014.

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 with Choice Based Credit System
 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 with Choice Based Credit System.
6. **Participation of the department in the courses offered by other Departments:** Nil
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil
8. **Details of courses / programmes discontinued (if any) with reasons:** Nil
9. **Number of Teaching posts:**

	Sanctioned	Filled
Professors	-	-
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 Pricipal	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. Jayashree Chinchinikar	MLL & LW MBS –HR	Assistant Professor	HRM	1	-
Prof. Mansi Vale	MCA	Assistant Professor	Computer Applications	1	-
Prof. Sai Dumbre	MCA	Assistant Professor	Computer Applications	1	-
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.
No. of Staff	33	2	-	-	-

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

Author	Name of Books	ISBN
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:**

- Raj Agarwal (SY BBA) worked with IIM Ahmedabad in their "Scholars for Change" programme during the period of April - June 2014 where there were around 750 people from across the country. He was the top performer in that programme and hence was called there for an 'on campus internship opportunity'. He worked in the capacity of an Assistant Campaign Manager where he helped in understanding the impact of the educational content on the learning pattern and understanding of the children thereby promoting the importance of Innovation in Human Life.
- Sayali Bapat (SY BBA) and Prathamesh Shinde (TY BBA): Second Prize in the Inter College Paper Presentation Competition
- Sandeep Kumar (FY BBA) and Sayali Bapat (TY BBA): First Prize in the Inter College Paper Presentation Competition
- Zaheer Gari (FY BBA): Selected for AIESEC's International Internship Program. He worked for Global Social Volunteering Project hosted by AIESEC in the University of Johannesburg, South Africa.
- Mayur Kamble, a student of BCA won the Silver Medal in the Inter-Collegiate Boxing competition.

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
4.	Vaibhav Balwadkar	Baseball	State	Participated	2013-14
5.	Kalpesh Thombare	Taekwondo	State	3rd Place	2013-14
6.	Vaibhav Kulkarni	Baseball	Inter Collegiate	3rd Place	2013-14
7.	Mayur Kamble	Baseball	Inter Collegiate	3rd Place	2013-14

Name of the Faculty: Prof. Sangeeta Mavale

- 'Best Teacher Award' in 2014 by Kasaba Ganapati Trust, Pune.
- 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
2013-2014	265	146	94	52	84.3

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
2013-2014	450	392	258	134	53.73

M.Com.

Name of the course/ Programme (M.Com)	Applications received	Selected	Enrolled		Pass %
			M	F	
2012-2013	80	62	35	25	72.00
2013-2014	75	60	30	30	75.00

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
2013-2014	240	196	112	84	72.58

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
2013-2014	13	13	5	8	85.34

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
2013-2014	85.6	6.2	8.2

B.Com.

Year	% of students from the same state	% of students from other States	% of students from abroad
2012-2013	96	4	Nil
2013-2014	94	2	Nil

M.Com.

Year	% of students from the same state	% of students from other States	% of students from abroad
2012-2013	100	Nil	Nil
2013-2014	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
2013-2014	85	5	10

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
2013-2014	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	-	-	-	-	-
Employed					
• 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

2013 - 14	37
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- Scholarship from Social Welfare department is awarded to 42% students as prescribed by the government norms.
- Scholarship under Samaj kalyan Pune University -120 students for 2013-2014 and Freeship-35 students

B.C.A.

YEAR	Total Number of students
2011-12	31
2012-13	27
2013-14	77

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
- In house Lecture series on Human Rights by Adv. Ajay Wagh
- In house Lecture series on Cyber Law by Adv. Vaibhav Salunke

Annual activities of BBA for 2013-14

Date	Activity
13/07/2013	Orientation Programme for F.Y.BBA & F.Y.BCA on the topic "Today is your Tomorrow" by Mr. Amit Jadhav
29/07/2013	Guest Lecture on "Management through Communication" by Mr. Vilas Jagtap
8/08/2013	Guest Lecture on Communication Skills on "Creating value through Communication" for F.Y BBA students by Dr. Sharayu Bhakare
10/08/2013	Guest Lecture on "Role of Ethics in Today's Business" for S.Y. BBA & T.Y. BBA by Dr. Rashmi Hebalkar
12/08/2013 to 17/08/2013	Youth Week (Motivational Movies, Critical Review of the shown Movie, Art Exhibition) for BBA and BCA students
13/08/2013	Academic Visit to NIBM, Kondhwa for F.Y. BBA students
13/08/2013	Guest Lecture on 'Body Language & Interview Skills and Skillsets required for the Corporate Industry' for S.Y. BBA & T.Y. BBA by Mrs. Yamini Mathur
14/08/2013	Guest Lecture on 'The Art of Standing Out' for F.Y. BBA by Mrs. Yamini Mathur
17/08/2013	Concluding Function of Youth Week followed by cultural programmes & certificate distribution
20/08/2013 & 22/08/2013	Presentation on "Cultural & Linguistic Diversity in English speaking Countries" by F.Y.BBA students
29/08/2013	Guest Lecture on Communication Skills on "Group Dynamics & Effective Resume Writing Skills" for S.Y & T.Y BBA students by Dr. Sharayu Bhakare
11/12/2013	Guest Lecture in Investment Banking by IMARTICUS LEARNING for S.Y.BBA & T.Y.BBA
16/12/2013 to 21/12/2013	Social Week
20/12/2013	Guest Lecture on "Developing a Positive Mind-set: Changing Attitude to Change your Life" for F.Y.BBA, S.Y.BBA and T.Y.BBA by Mr. Mohan Palesha
28/12/2013	Guest Lecture on "The Power of Subconscious Mind" for F.Y.BBA, S.Y.BBA and T.Y.BBA by Mrs. Anu Sethi
7/01/2014	Guest Lecture in Group Discussion & Personal Interview for F.Y.BBA, S.Y.BBA and T.Y.BBA by the mentors of PIBM (Mr. Avi Raj from IIM K; Mr. David Hangsing from IIM B; Mr. Samir Mondal, H.O.D – Academics of PIBM)
10/01/2014	Seminar on the "Importance of Stock Market for Students" by ICICI direct Centre for Financial Learning. Also conducted Stock MIND competition & seminar
13/01/2014	Seminar on "Entrepreneurship Development" by Hon'ble Shri D. S. Kulkarni for the BBA, BCA and M.Com students
22/01/2014	Parents – Teacher's Meet for the FY BBA students post declaration of FY BBA results
25/01/2014	Celebration of Kaniitkar Day
28/01/2014 to 31/01/2014	Annual College Fest – Aarohan & Days to be celebrated
4/02/2014 & 5/02/2014	State Level Seminar on 'Emerging Trends in Service Sector' for the BBA, BCA, B.Com and M.Com students
14/02/2014	1 st Industrial Visit for S.Y.BBA
17/02/2014	2 nd Industrial Visit for S.Y.BBA
28/03/2014	Farewell for T.Y. BBA

Annual activities of BCA 2013-14

Date	Activity
4/7/2013	"Ice breaker"- Introduction followed by Quiz
29/07/2013	Guest lecture on "Management through communication" by Mr. Vilas Jagtap
7/8/2013	Guest lecture on "Developing DFD & ERD" by Prof. Shivendu Bhushan
12/08/2013 to 17/08/2013	"Youth Week" (Motivational Movies, Critical Review of the shown Movie, Art Exhibition) for BCA students.
21/08/2013	"Planning for Study for Examination" by Rajendra Rakhecha in association with Krip's foundation
21/8/2013	"Do's and Do't to be Successful" by Rajendra Rakhecha in association with Krip's foundation
22/8/2013	"How to make Resume" & "Facing an Interview" by Dr. Bhooshan Kelkar
27/8/2013	"Body Language & Presentation Skills" By Mrs. Yamini Mathur
30/11/2013	Placement activity for TYBCA (Wipro).
16/12/13 to 21/12/13	"Social week"
24/12/2013	Guest lecture by Dr. Ranjeet Patil.
4/1/2014	Felicitation of F.Y. BCA toppers & distinction holders and Parents-Teachers Meet.
13/01/ 2014	Seminar on "Entrepreneurship Development" by Hon'ble Shri D. S. Kulkarni for the BCA students.
21/01/ 2014	Workshop on mobile application developmet(android & iphone) by Mr. Bharat Jagtap

Annual activities of B.Com. 2013 -14

Date	Activity
18 /06/2013	Seminar on Six Sigma By Ms. Sandhya Deshpande
23/08/ 2013	Seminar on Career Guidance on CA and CS By CA. Bhushan Kotecha and CA. Mukesh Kunwad
26/08/ 2013	Inauguration of Commerce Association by CA. Dr. Y. R. Waghmare
28/08/2013	Seminar on Soft Skills by Krips Foundation
2/09/ 2013	Guest lecture on Career Opportunities in Marketing by Dr. P. V. Sathe
4/09/ 2013	Guest lecture on Interview Skills by Prof. Deepak Powdel
4/09/2013	Guest lecture on FDI in Indian economy by Dr. Sanhita Athawale
11/12/2013	Introduction to share market By Mrs. Ashwini Thorat
20 /12/2013	Competitions on Poster Competition with reference to Independence Day Essay and Pick and Speak Competitions
5/01/2014	Road Safety and Social Week

M.COM ANNUAL ACTIVITIES 2013-2014

Date	Particulars
21/08/ 2013	Seminar on carrier in banking sector by IFBI Institute
28/08/2013	Soft Skills Workshop by Krips Foundation
17/09/2013	Guest Lecture on Strategic Management by Dr. Shashank Pol
20/09/ 2013	Workshop on Research Methodology
23/09/2013	Guest lecture on importance of business research by Dr. Sanjay Kaptain
26/09/2013	Group Discussion on F.D.I. Boon or Bane
30/09/2013	Guest lecture on Cost Audit by Dr. Nare
10 /01/2014	Guest lecture on Introduction to Capital Market & online trading
12 /02/2014	Group Discussion on Role of technology in banking Sector
13 /02/2014	Guest lecture on excise and vat audit by Dr. N. M. Vechalekar Guest lecture On Industrial Policies by Dr. Sanhita Athawale
14/02/2014	Guest lecture on service tax by Sumit Shah Guest lecture On guidance on project by Dr. Shashank Pol
26/02/ 2014	Guest lecture on Human Rights by Adv Ajay Wagh Guest lecture On cyber Law by swanaand Shinde

Activities of M.C.A.

- Poster Competition on the topic of Cyber Security
- Informative presentation (lecture) on Stock Exchange on 7th 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 Gurukulam 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 Pratishtan, 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,2013	Induction Programme for FYBCom
2.	18 th June,2013	Seminar on Six Sigma By Ms. Sandhya Deshpande
3.	23 rd August, 2013	Seminar on Career Guidance on CA and CS By CA. Bhushan Kotecha and CA. Mukesh Kunwad

4.	26 th August, 2013	Inauguration of Commerce Association by Prof. Dr. CA. Y. R. Waghmare
5.	28 th August, 2013	Seminar on Soft Skills by Krips Foundation
6.	2 nd September, 2013	Guest lecture on Career Opportunities in Marketing by Dr. P. V. Sathe
7.	4 th September, 2013	Guest lecture on Interview Skills by Prof. Deepak Powdel
8.	4 th September, 2013	Guest lecture on FDI in Indian economy by Dr. Sanhita Athawale
9.	November, 2013	Mid-term Examination
10.	11 th December, 2013	Introduction to share market By Mrs. Ashwini Thorat
11.	20 th December, 2013	Competitions on Poster Competition with reference to Independence Day Essay and Pick and Speak competitions
12.	January, 2014	Road Safety and Social Week
13.	3 rd February, 2014	Commerce Day
14.	March/April 2014	University Exams

Department of Computer Science

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)

B.Sc. (Animation)

PG Courses: M.Sc. Computer Science

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

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. Mrs. Sangeeta S. Raut	Biotechnology	Use of Computers	2012-13
3	Prof. Trupti Gohad	M.C.A. Commerce III	Operations research	2013-14

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. Smita Achalkar	MCM, MCA	Asst. Professor	Computer Application	7
23	Prof. Sameer Nerlekar	DPT, DACAD	Asst. Professor	Cinematography	3

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
B.Sc. (Animation)	40%	20%
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.
No. of Staff	22	03	1 (3 perusing)	-	-

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, 2014 ; ISBN 9789350161470
		Soft Computing, 2012; ISBN 9789350161470
		Theory of Computer Science
		Compiler Construction,
		Operating System Concepts,
		Theory of Computer Science, 2010
	Compiler Construction, 2010	
	Operating System Concepts, 2010	
Pune University	T.Y.B.Sc. Practical Workbook	
	F.Y. B.Sc. Animation Labbook	
	S.Y. B.Sc. Animation Labbook	

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
2013-14	8%	5%
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
2013-14	92%	95%
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 '2nd 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 2nd 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 2nd 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:

- a) National: 01 (funded by Pune University under QIP)
 b) International: 01 (funded by Pune University under QIP)
 c) 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
2013-2014	821	166	85	81	67.82

Under Graduate (B.Sc. Animation)

Name of the Course/programme	Application received	Selected	Enrolled		Pass %
			M	F	
2013-2014	17	5	2	3	80

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
2013-2014	1047	94	66	28	87.50

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
2013-2014	567	64	30	34	95.71

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	-	-
2013-2014	100	-	-

Under Graduate (B.Sc. Animation)

Name of the course (B.Sc. Animation)	% of students from the same state	% of students from other states	% of students from abroad
2013-2014	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	-	-
2013-2014	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	-	-
2013-2014	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
Employed	
• Campus selection	4%
• Other than campus Recruitment	5%
Entrepreneurship/Self-employment	5%

30. Details of Infrastructural facilities:

- a) **Library-** Separate library is available for each course in the department.
 B.Sc.(Computer Science) : 1942
 B.Sc. (Animation) : 153
 M.Sc. (Computer Science) :1633
 M.C.A. :657
- b) **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.
- c) **Class rooms with ICT facility:** 100%
- Two digital classrooms are available for the students
 - Each classroom contains projector and internet facility
- d) **Laboratories:** 100%
- Separate laboratories are available for B.Sc. Computer Science, B.Sc. Animation, 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
Total 176					

- **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
Total		5

- **Fire Extinguishers:**

Sr. No.	Particulars	Qty
1	Fire Extinguishers	2
Total		2

- **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	Total	22

- **Microprocessor Kits**

Sr. No.	Particulars	Qty
1	8085 Microprocessor Kit	26
Total		26

- **Mobile Phones**

Sr. No.	Particulars	Qty
1	Nokia N 72	1
2	Nokia E51	1
Total		2

- **Projectors**

Sr. No.	Particulars	Qty
1	Optoma DLP projector	3

2	Sony ELP Projector	1
3	NEC projector	1
	Total	5

- 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
	Total	8

- Licensed Softwares**

Sr. No.	Particulars	QTY	Sr. No.	Particulars	QTY
1	Visual Basic A.E	1	16	QuickhealEnterprise 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 students
2010-11	86
2011-12	75
2012-13	172
2013-14	98

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
2013-14	Tanuja Gholap
	Sachin Gahrewar
	Pooja Deokar
	DarshanaJadhav

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
	Lecture Series	
	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 Scientist, 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 Academic (collaboration Initiative Program)
2013-14	Amol Abhyankar (KPIT Cummins)	SAP/BI
	Chetan Patki (GE, USA)	Program Management
	Abhijit Patwardhan (Barclays)	Project Management
	Nitin Kudale (Wipro USA)	Web Development

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 successful 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
- Ecole Hoteliere
- 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.

On 4th August'14, ETS organized GRE Radio show at Modern College of Arts, Science and Commerce, Shivajinagar, Pune.

The Event was arranged for Graduate and Post Graduate students in order to generate awareness of future career prospects abroad and highlight the significance of GRE.

The activity was conducted with fun filled Quiz competitions for students. Mrs. Geraldine Debrass, Head, Client operations, Ms. Sarita Falcan, Lead, Client operations and Mr. Sushant Malhotra, Director, Satan's paradise addressed the audience and organized the Quiz.

The 1st winner Mr. Idris Wishiwala, student of MCA (Science) received a JBL Wireless Bluetooth Speaker. 2nd prize winner, Ms. Snehal Patil student of MCA (Science) and 3rd Prize winner, Mr. Parth student of Commerce received Power Bank (Portable Mobile Chargers).

The most happening and surprise event was the release of "GRE Anthem" at Modern College, Shivajinagar, Pune,

the Anthem would be played world – wide. Audience were delighted with the motivational theme of the Anthem.

Attractive prizes:

1st Prize: JBL Wireless Bluetooth Speakers

2nd Prize & 3rd Prize: Power Bank (Portable Mobile charger)

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 12th 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), B.Sc. (Animation), 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:

- Strengthen the facilities for B.Sc. Animation course.
- 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). Recently University of Pune and Govt. of Maharashtra has accorded permission to start B.Sc.(Animation) course.

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 Intercollegiate Programming and Quiz Contest (Saturday, 15th February 2014)
- R.M Marathe Programming Competition (Wednesday, 15th January 2014)
- Poster Competition (Saturday, 15th February 2014)
- Placement Activity
- Seminars
- Workshop
- Group Discussion
- Mock Interview
- Personality Development Programme for PG Students
- On-line Admission Process for all the courses
- Conduction of M.Sc. (CS) and M.C.A (Science Faculty) Entrance Examination at Mass Level
- Student/Career Counseling
- “Zaroka” - The Desktop..... article column

		
<p>Joint endeavor of Rindani Family and Alumni of Computer Science Dept. Four needy students of Computer Science Department have received Rs.10,000/- Scholarship to pursue their further education. On this occasion Dr. Girish Rindani, Mr. Swanad Shinde and others.</p>	<p>Prize Distribution Ceremony of the Poster Competition: Dr. Girsh Rindani, Mr. Swand Shinde, Principal Dr. R. S. Zunjarrao, Prof. S. S. Deshmukh and winner Ms. Vrushali Paygude (M.Sc.(CS) Part-I)</p>	<p>Kartikeya Rindani Intercollegiate Programming Contest: Mr. Swapnil Darwatkar (TYBSc(CS), MCASC, Pune-5) receiving First Prize, KRIPC at the hands of Mr. Swand Shinde (Education Director, Quick Heal Technologies Pvt. Ltd.)</p>
	<p>Poster Competition: Judges evaluating the posters prepared by students, Prof. Manisha Suryawanshi, Ms. Rupali Pathak-Sarkale and Mr. Ashish Kumar Poster Competition was conducted on 15th February 2014 on the topics Encryption, Computer Graphics, Ethical Hacking, Operating System, Satellite Communication , Big Data, Distributed Computing, Robotics, Gaming, Image Processing and Artificial Intelligence. Prof. Mrs. Manisha Suryawanshi worked as a co-ordinator for this activity.</p>	
	<p>Intercollegiate Quiz Contest was conducted on Saturday, 15th Feb 2014 around 80 students from various colleges have participated in the contest. Prof. Mrs. Vaishali Bhoite, Prof. Sanjay Daf, Prof. Sheetal Patil and other staff members of the department have made it grand success.</p>	

• R.M Marathe Programming Contest

The contest was held on 18th Jan 2014. The competition was conducted in two rounds. The first round was an objective test. The shortlisted students appeared for On-line programming competition. Forty five students participated for the Objective test and nine students were shortlisted. The prize winner was Mr. Swapnil Darwatkar

(T.Y. B.Sc (Computer Science)) Prof. Madhri Ghanekar worked as the co-ordinator for this programming contest

• 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 activity. 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.

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 and by conducting 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.
- Active participation in organizing "Kartikya Rindani Intercollegiate Programming Contest-2014"
- Mock Interviews were conducted by the past students who are working in reputed IT industries for the current batch students to face the challenges of present competitive world and to make them mentally prepared for the competition.



Mock Interviews:

• Pride Alumni of Computer Science Department:

The brilliant students of our department are working at higher position in various fields like Science and Technology, Research, Business, Banking, Industries, Education, Engineering, Medicine and Administrative Services etc. often visit our college and encourage present batch students.

Student achievements and awards:

Students took lead in organizing Project Exhibition, Poster Competition, Quiz Contest and Programming Contest and participated in various intercollegiate events. Students secured prizes in the various intercollegiate events and competitions.

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. Prof. Manisha Suryawanshi has been working as a Placement Co-ordinator and Chairperson of the Placement Committee for the placement activity under her able guidance 95% 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 on line admission process of F.Y.B.Sc. (Computer Science), MCA and M.Sc.(Computer Science) courses.
- A committee was constituted for conducting M.Sc. (Computer Science) and MCA Entrance Examinations 2014. 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 Entrance Examinations Committee) provided necessary guidance and administrative support in organizing the entrance examinations smoothly.

Department of Economics

1. **Name of the department:** Department of Economics
2. **Year of Establishment:** 1970
3. **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.
4. **Names of Interdisciplinary courses and the departments/units involved**
 Post Graduate Diploma in Banking and Finance
5. **Annual/ semester/choice based credit system (programme wise)**
 B.A.: Annual Pattern
 M.A.: Semester Pattern with Choice Based Credit System.
6. **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.
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
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

• **Dr. M. M. Satam**

UGC Minor Research Project sanctioned of Rs. 1,70,000 for 2014- 2016, entitled 'Financial Services And Women Empowerment In Rural Maharashtra'.

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

- National committees
- International Committees
- Editorial Boards

- Following members are members of editorial board 'RESECO', a research annual of Department of Economics -
 - Chief Editor : Dr.M.M.Satam
 - 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

- 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:

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 7th and 8th 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, 11th 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
2013-2014	314	219	136	83	85.71

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
2013-2014	45	22	16	6	86.00

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
2013-2014	100	Nil	Nil

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
2013-2014	92.59	3.70	3.70

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

Peggu Dinesh, a student of M.A. Passed SET exam in 2014

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	-
Employed	-
• 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
2013-14	164

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 members of the Department of Economics organized and participated in the following events for the year 2013-14;

- The Department organized a visit to RBI, Pune, College of Agriculture Banking, for the students of FYBA, SYBA and SY BCom of our college. The students could see the Currency Museum and the Exhibition on Cooperative Banking organized by RBI on 6th and 7th Aug. 2013.
- The Department organized “Financial Literacy Campaign” for the students, staff, neighboring community and school children, on Friday 17th January 2014. The aim of the campaign was to create awareness about Banking functions, services and techniques. About 130 students participated and shared their knowledge with the parents, neighboring society, women and young school children on the subjects like functions of Banks, types of accounts, types of cheques, various currencies of the world, RBI policy, insurance policies, Mahila Bank, NABARD, Stock Exchange, etc. and importance of financial inclusion for Development.
- One of our students has got admission in Gokhale Institute, Pune for MA Economics, the only student selected from Pune – IndrajitKendre.
- One of our Alumni of Banking and Finance, Miss Shruti Nair has passed the SET exam.

Achievements of the members in this academic year 2013-14 are as follows:

1. Dr. M.M.Satam, HOD

- Presented a paper at International Conference on “Global Economic outlook on Recession and Recovery”, entitled ‘Euro zone Crisis’, in VMV College of Commerce, Nagpur, on 10th to 11th Jan 2014. Paper is published in ISBN 978-81-928735-0-3.
- Presented a paper at a National Conference on “Emerging trends in Banking and Finance in India”, titled- Financial Inclusion: A Case Study - in Poona College, on 21st Feb. 2014. Paper is published in ISBN 978-93-89965-49-0.
- Presented a paper on “Organized Vs Unorganized Retail sector- Survival of the Fittest” at National conference on “FDI in Retail and Multi-Brand: Challenges & Opportunities”, organized by Poona College of Arts, Science & Commerce, held on 7th April 2013. Paper is published in ISBN 978-93-89965-46-9
- Presented a paper at a National Seminar on “Financial Inclusion: A Gateway of Inclusive Development, in Shivaji University, on 6th and 7th Dec. 2013.
- Invited as a subject expert for Restructure of New Syllabus for MA Economics Part II Credit System 2013, Board of studies for Economics, at University of Pune.
- Appointed as a Chairperson by University of Pune for MA Part II, Sem. III & IV for the year 2013- 14 for CAP and paper setting.
- Invited for delivering a guest lecture by T.J. College, Khadki, Pune, on Current RBI policy and working of RBI, on 4/2/2014 for the students of SYBCom.
- Appointed as a subject expert in Economics as a member of the Screening cum Evaluation committee by University of Pune, for CAS of teaching staff at stage I and II on 18/2/2014.

2. Dr. A.H. Shende

Papers published:

- A case study of floriculture entrepreneurs of Pune District, COSMOS, BI ANNUAL, January 2013-Issue III ,ISSN: 2249-6408
- Review of Kesar mango export scenario from Maharashtra, International Journal of Business Management & Social Sciences, Vol II, Issue 6(IV),February 2013,ISSN:2249-7463

- VAPCOL-A marketing model for marginal farmers ,International Journal of Multidisciplinary Research, Vol.I, Issue 12(IV),March 2013,ISSN:2277-9302
 - Review of Innovative Marketing of Indian fruits in International market, International Research Journal of Commerce, Business and Social Sciences, ISSN: 2277-9310 (accepted for May 2013).
- 3. Prof.Mrs. S.A.Vartak**
- Attended one day workshop on syllabus restructuring workshop for SYBA in Economics organized by Abeda Inamdar Senior College, Pune on 15th March, 2014.
- 4. Prof. Ms. P.B.Mujumdar**
- Invited as a Guest Lecturer under the student welfare Lecture Series to speak on “Population Dividend” on 6th September 2013 for FYBBA students at Sinhgad College of Science, Pune.
 - Attended State level workshop on “personal Financial Planning and Online Share Trading” organized by Kaveri College of Science and Commerce on 9th and 10th October, 2013.
 - Attended one day workshop on syllabus restructuring workshop for SYBA in Economics organized by Abeda Inamdar Senior College, Pune on 15th March, 2014.
- 5. Mrs. J.P.Nambiar**
- “Organized Vs Unorganized Retail sector- Survival of the Fittest” at National conference on “FDI in Retail and Multi-Brand: Challenges & Opportunities”, organized by Poona College of Arts, Science & Commerce, held on 7th April 2013.
 - Attended one day workshop on syllabus restructuring workshop for SYBA in Economics organized by Abeda Inamdar Senior College, Pune on 15th March, 2014.

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 : Choice Based Credit system
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. V.A. Chaudhari	M.Sc.	Assistant Professor	Electronic Sc	01	-
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. Dr.Smt. Damayanti C.Gharpure, Professor, Department of Electronic Science, Pune University.
- Prof. S.B. Bhagwat, Associate Professor, Fergusson 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. Number of faculty with ongoing projects from a) national b) International funding agencies and grants received :

Prof. P.S. Varade: Design & development of surface acoustic wave based gas sensors”, 2014 - 2016, BCUD, Pune University, Grants Rs. 1,90,000/-

17. 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/-

18. Research Centre / facility recognized by the University

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

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. 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. P.S.Varade	-	1	1	-	-	-	2	-	-	-
Prof. R.V.Vidap	3	0	7	-	-	-	10	6.277	6	1

20. Areas of consultancy and income generated: Nil

21. Faculty as members in

- National committees
- International Committees
- Editorial Boards

Nil

22. 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%

23. 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

24. 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, Akhuj
- 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.

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

a. National:

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

26. 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

2013-2014	402	64	28	36	77.77
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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
2013-2014	55	23	10	13	84.21

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
2013-2014	99.08	0.92	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
2013-2014	100.00	0.00	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/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

29. 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
Employed	
• Campus selection	2%
• Other than campus recruitment	10%
Entrepreneurship/ Self-employment	2%

30. 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

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	50
2011-12	74
2012-13	65
2013-14	132

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

32. 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 th February 2012.	One
one day college level Imagine 2012 poster competition cum presentation	25 th February 2012.	One

This two day state level workshop on Digital System Design using VHDL on CPLD board	10 and 11 February 2012.	One
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33. Teaching methods adopted to improve student learning :

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

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

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

35. 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 during the year. The student strength of the department is about 580 during academic year 2013-14, 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.

National Conference on Hazardous e-waste Management (23rd and 24th December 2013)

National Conference on Hazardous e-waste management was held on 23rd and 24th December 2013. This conference was organised by Modern college of Arts, Science and Commerce, Shivajinagar, Pune-411005(Maharashtra) in association with Department of Electronic Science ,University of Pune, Ganeshkhind road, Pune-411007. Department of Electronic Science , Physics , Computer Science hold the responsibility to conduct this National Level Conference.

INTRODUCTION

Electronic waste, e-waste, is electrical and electronic equipment discarded due to out of order, end of life or due to projection of advanced versions of electrical or electronic devices. To manage these discarded devices, e-waste, various policies are adopted in the world. Basically recycle, reuse and reduce are the 3R principle to handle e-waste materials. Informal processing of electronic waste may cause serious health and pollution problems. Spares of the e-waste devices like packaging materials, plastics, batteries, covers, chemicals etc. also brings hazardous effects in environment. The better way is to repair, reuse and reduce generation of e-waste. Disposal of it through a recognized

and authorized industry is very much necessary. It becomes necessary to create awareness among the society regarding e-waste and reducing it. The procedures for collection of all e-waste materials, sorting and its resale reuse, repair it instead of discarding it, useful spares can be taken out which otherwise may not be available in market, and also some of the gadgets can be used as educational models for the schools and researchers.

Taking into account these issues, it was decided to organize National Conference on hazardous e-waste management. Aim and objective of the conference was to create awareness, bring all sensitising experts together related to this area and promoting possible entrepreneurship development in e-waste management. As a pre-conference activity a survey of e-waste awareness in rural community was carried out in the village Phulgaon near Pune by NSS students of Modern College. A rally was organised for e-waste management campaign in that village. Data related to awareness and disposal of e-waste was collected and analysed. It was observed that, there is a need to promote awareness regarding e-waste management in the society. During the conference various experts, researchers, entrepreneurs, students and faculties came together to discuss this issue with many aspects. The speakers invited for the conference were from e-waste processing units, NGOs, Research institutes etc. Practical demonstrations and film show regarding theme of conference were also organised. The call for research papers for the conference had good response from researchers, scientists, academic faculties and students.

It is the first time in conducting National conference, the research papers were published in journal 'Environment Observer' with ISBN number, which was published and distributed on the inauguration ceremony of the conference.

The output of the conference has been creation of awareness about e-waste management as well as it has given direction to youngsters for social entrepreneurship. This activity will be continued by the host institutes in future and a systematic approach; procedure will be developed for collection and disposal of e-waste materials within of Pune municipal area.

Modern College of Arts, Science and Commerce, Shivajinagar, Pune -5 and Department of Electronic Science, University of Pune, wish to thank authorities of Progressive Education Society in general and Honourable Prof. Dr. G.R. Ekbote in particular for giving opportunity to jointly organise this conference on socially relevant issue.

The conference was organised under the visionary guidance of Prof. Dr. G.R. Ekbote, Chairman, P.E.Society, Prof.S.S.Deshmukh, Secretary, P.E. Society, Dr.P.B.Buchade Chairman Board of studies Electronic Science, University of Pune, Prof. P.S.Chirputkar, Dr.A.K.Pande and Prof.J.G. Ekbote Chairperson Local Managing Committee of our college. Dr. R.S. Zunjarrao, Dr.A.D. Shaligram and Prof. S.R. Chaudhari were Convenor and Secretary respectively in organizing the conference. Prof. A.V. Deshpande, Prof. S.S.Thengadi, Prof. P.S.Varade and Prof. Anjali Sardesai worked as coordinators for this National Conference.

Day First 23 December 2014

Principal, Dr. R.S.Zunjarrao, Dr. A.D. Shaligram, Prof. S.S. Deshmukh, Prof. S.R.Chaudhari addressed the audience at the inaugural function.

All research papers presented in this National conference, were published in journal 'Environment Observer' with ISBN number, was released with the hands of Dr. Arvind Joshi.

Dr. Arvind Joshi, Chairman, Canadian International, Canada graced the occasion as Chief Guest for inaugural programme. He delivered a keynote talk on 'e-waste is Gold unsold' and also discussed the statistics of e-waste growth in India and its hazardous effects on human health. Dr. A.D. Shaligram, Head, dept. Of Electronic Science, University of Pune talked about e-product and its main components. He discussed the ill effects on all living organisms and subsequently on the ecosystem.

Dr. Mangesh Kashyap, President, Seeram,Pune stressed on need and role of individuals in eradicating e-waste. He focused on the fact of using products for ones needs rather than luxuries in life. Mr. Rajesh Manerikar of Jan-Adhar organization focused on creating awareness ,collection, treatment and disposal of e-waste amongst general public..

First day the conference was concluded with oral presentation session which was chaired by Dr. Shubhjangi Puranik. In this session, participants from various organizations personated their research work and case studies. The technical session was conducted by Prof. Ms. Sheetal Pardeshi from Microbiology department.

Day Second 24 December 2014

On second day of the conference, Mr. Kshaumesh Antani of ILFSENV elaborated on benefits of recycling and emphasized on the requirement of e-waste recycler plants and also briefed the participants on recycler strategies adopted at ILFS, Vadodara.

Mr. Nilkanth Poman, Computer officer, PCMC discussed his view about IEC-Information, Education and Communication of e-waste management.

Mr. Sharad Pustake, Advisor, Science and Technology Park,Pune shared his ideas and views about this secondary market for upcoming Entrepreneurs and young graduates. He briefed the audience about flea market in California and its possible implementation in India.

Ms. Pratibha Sharma of SWACH group highlighted the ill effects of e-waste and the need of awareness amongst general public and also the stakeholders.

Prof. Poonam Lambhate demonstrated the details of Hard disk free space of LAN. Mr. Vinay Mundada stressed on sustainable design of production of e-products. A panel discussion with experts was held before the valedictory.

Around 45 participants registered and presented their research work and about 75 Post Graduate students were benefited with knowledge acquired through the sessions and demonstrations. Paper and poster presentation competition was organised for the participants in this conference.

The valedictory programme was proceed over by Honourable Dr. G.R. Ekbote, Chairman, Progressive Education Society who concluded the two day Conference with his views and dynamic vision on the said theme of the conference.



Dr. Arvind Joshi, Chairman, Canadian International, Canada graced the occasion as Chief Guest for inaugural program



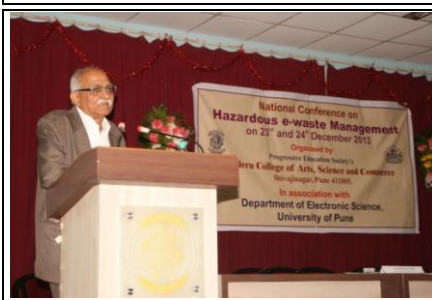
Publication of journal 'Environment Observer' with ISBN number.



Dr. A.D. Shaligram, Head, Dept. Of Electronic Science, University of Pune talked about e-product and its main components.



Prof. S.S. Deshmukh, Secretary, P.E. Society, exploring regarding e-waste management in India.



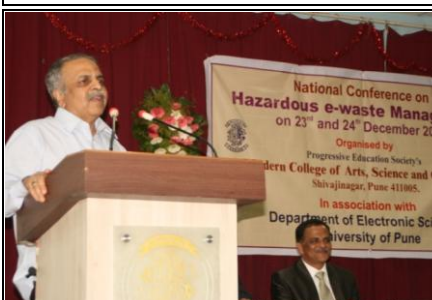
Mr. Sharad Pustake, Advisor, Science and Technology Park, Pune, explained secondary market for upcoming Entrepreneurs and young graduates.



Poster presentation of Research papers participated in national conference.



Panel Discussion Session for interaction on the theme of conference .



Hon'able Prof. Dr. Gajanan Ekbote addressing at concluding session of the National Conference.

● **Activities conducted during the year by our staff members-**

1. Prof. G.M. Tarate collected more than 500 e books in the form of .pdf format related to Electronic Science Subject download more than 400 video lecture form NPTEL website for Electronic Science student.
2. Prof. G.M. Tarate prepared note book for the subject of "Control system & application" for M.Sc. II Electronic Science Students.
3. Remedial coaching lectures and practical for F.Y.B.Sc. students were conducted in the month of November 2013
4. Electronics Excellence Examination (EEE) organized by Society for Promotion of Excellence in Electronic Discipline (SPEED) was conducted on 12 February 2014. Ten students appeared for the examination and all qualified in it.

● **Workshops / Event / Competition Organized:**

1. Prof. R. V. Vidap Organized guest lecture for S.Y. B.Sc. (comp. sci.) students as a part of curriculum on 14th December 2013. The speaker was Prof. J.V. Khedkar.
2. Prof. R. V. Vidap Arranged & organized group discussion for M.C.A. (science faculty) Part-I in the month August 2013
3. Prof. P.S. Varade Worked as an organizing member in national conference on "Environment & biodiversity of India" organized by Modern college in collaboration with North East states research group
4. Prof. P.S. Varade Worked as an organizing member in national conference on "Hazardous e-waste management" Organized by Modern college in collaboration with Dept. of electronic science, University of Pune on 23rd & 24th December 2013.
5. Prof. P.S. Varade Worked as committee member in International conference on "Environment conservation by adopting new technologies" organized by Modern college, Shivajinagar, Pune-05 on 28th & 29th January 2014
6. Prof. T.R. Kumbhar Conducted the SPEED examination for F.Y. B.Sc. students on 12th February 2014.

● **Educational Trips**

Prof. T.B. Sonawane AND Prof. M.R. Bodke Organized study tour at Shankar Sahakari Sakhar Karkhana Ltd. Sadashivnagar, Dist. Solapur of S. Y. B.Sc. Electronic Science students on 31st January 2014. Twenty three students visited to this sugar factory. The automation process involved at every stage of processing sugarcane to ready sugar was explained by the engineer Mr. Kesavh Jadhav. Student understood importance of automation and application of

mechanical, electrical and electronics controls used in practical working factory.

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

1. Prof. P.S. Varade sanctioned a research scheme by BCUD Pune University, of Rs.1,90,000/-the topic is "Design & development of surface acoustic wave based gas sensors", for 2014-2016.
2. Prof. S.R. Chaudhari presented a research paper "e-waste management campaign: Case study in rural community" in the form of poster in national conference on "Hazardous e-waste management" organized by Modern college on 23rd & 24th December 2013, published in Environment Observer, Vol. 17, December 2013, Page 33,
3. Prof. Sonawane T.B. research paper published entitled 'SMS Controlled smart e-notice board' in International Journal of Engineering research and Technology, Vol. 2, issue 11, November-2013, pp 2778-2781.
4. Prof. Sonawane T.B. research paper published entitled "Zigbee based data acquisition system to monitor Heater temperature using LabVIEW" in International Journal of Engineering and Technology, Vol. 3, issue 2 February 2014. PP 1745-1749.
5. Prof. A.V.Kamble presented research paper in National Conference entitled 'Recent advances in computer science and electronics', at Vidyan Mahavidyalaya, Sangola held on 3rd & 4th January 2014.
6. Prof. R. V. Vidap research paper published entitled "Structural, optical and gas sensing properties of spin coated nanocrystalline zinc oxide thin films" in Journal of Materials Science: Materials in Electronics September 2013, Volume 24, Issue 9, pp 3170-3174
7. Prof. P.S. Varade presented a research paper "e-waste management campaign: Case study in rural community" in the form of poster in national conference on "Hazardous e-waste management" organized by Modern college on 23rd & 24th December 2013, published in Environment Observer, Vol. 17, December 2013, Page 33,

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

1. Prof. D.B.Gaikwad participated in one day workshop on Preparation and implementation of M.Sc II – Electronic Science Syllabus organized by Fergusson college, on 8th February 2014
2. Prof. D.B.Gaikwad participated in two day faculty training program on nuvoTon (NuMicro ARM Cortex-M0 and its applications organized by Department of Electronic Science in association with SPEED on 15-16 January 2014
3. Prof. D.B.Gaikwad participate in VLSI Design Seminar, organized by Cadence Design Systems (India) Pvt. Limited on 23 August 2013
4. Prof. D.B.Gaikwad participated in 2 day, Professor's Summit-2013, organized by Atmel India University Program and MIT (College of Engineering) Pune on 25th-26th July-2013
5. Prof. B.B. Yenage, participated in M Sc Part II syllabus framing workshop held at Fergusson College.
6. Prof. T.B. Sonawane Successfully completed N.S.S. General Orientation course organized by Ahmednagar College, Ahmednagar. The course duration was 20th march 2014 to 26th March 2014/
7. Prof. M.R.Bodke successfully completed a short term course on "Preparation of research Project" at Academic Staff College, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. Course duration was 21-10-2013 to 26-10-2013.
8. Prof. K.K.Hole attended one day workshop on "Credit course system based syllabus design for M.Sc. Part II Students in Fergusson college
9. Prof. A.V. Kamble participated in workshop: S.Y. B.Sc.(comp. sci.) syllabus framing at Malpani college, Sangamner as a member of BOS electronic science held on 2nd January 2014.
10. Prof. A.V. Kamble participated in two day workshop organized by Dept. of electronic science Pune University & SPEED on 15th & 16th January 2014 under faculty training program in microcontroller.
11. Prof. R. V. Vidap attended & actively participated in restructuring of S.Y. B.Sc.(comp. sci.) syllabus at Malpani college, Sangamner on 2nd January 2014.
12. Prof. G.M.Tarate participated in Two-week ISTE workshop on "Analog Electronics" conducted by IIT Kharagpur, under the National Mission on Education Through ICT(MHRD) at COEP Pune-5, from 4th to 14th June 2013
13. Prof. G.M.Tarate participated in a one Day Workshop on "Effective Implementation of credit system in M.Sc. Electronic Science Curriculum" Organized by Department of Electronic Science, Poona College of Arts Science and commerce, on 31st August 2013.
14. Prof. G.M.Tarate participated in Two week ISTE workshop on "Signals and system" jointly organized by IIT Kharagpur and IIT Bombay, under the National Mission on Education Through ICT(MHRD) at VIT College, Inderanagar, Pune, from 2nd January 2014 to 12 January 2014
15. Prof. G.M.Tarate participated in Digital signal processing Application with mentor DSP under Faculty Training program organized by Department of Electronic Science, University of Pune in association with Fergusson college Pune, Abasaheb Garware College Pune and Speed, on 17th and 18th January 2014
16. Prof. G.M.Tarate participated in one Day workshop on Implementation of choice based credit system for M.Sc-II Electronic Science organized by Fergusson College Pune-04 on 8th February 2014
17. Prof. Umesh Kothavade participated in two day faculty training program on nuvoTon (NuMicro ARM Cortex-M0 and its applications organized by Department of Electronic Science in association with SPEED on 15-16 January 2014
18. Prof. Umesh Kothavade participated in 2 day, Professor's Summit-2013, organized by Atmel India University Program and MIT (College of Engineering) Pune on 25th-26th July-2013.

● **Guest lecturers:**

1. A Guest lecture on 'PLC & Automation' was organized on 12th February 2014. By Rajendra Joshi of ADROIT Auto Tech, Pune

2. A Guest lecture on 16 September 2013 by Girish Kulkarni , Sr. Engineer, R&D Section, NASAN Medical Electronics Pvt. Kothrud, on “use of Analog Electronics and microcontroller in Medical Instrument”
3. A Guest lecture on “Electronics in Computer and applications” was organized of Prof. J. V. Khedkar, Head of The Dept Electronic Sc. Ferguson college, Pune.

● **Achievements by students**

1. Pankaj Kadu, M.Sc. II participated in “Line Tracer Competition” at MIT on 21st February 2014.
2. Neeta Patil & Manali Dalal, M.Sc. I year students participated in “8051 Assemble Language Programming Contest” at MIT on 21st February 2014.

● **Achievements by staff members:**

1. Prof. G.M.Tarate Qualified **UGC NET Examination In Electronic Science** held at June 2013
2. Prof. S.R.Chaudhari Invited as expert in Board of studies of Vocational course, University of Pune in designing the second year Vocational course syllabus.
3. Prof. A.V. Kamble University of Pune, co-opted as a member of BOS electronic science as a subject expert.
4. Prof. A.V. Kamble Participated in the Govt. of Maharashtra program “Govt. at your door step” on behalf of NCC naval unit & for the same felicitated by Honorable MLA Supriyatai Sule



● **Participation in different Activities as Resource person, organizing member, Examiner**

1. Prof. D.B. Gaikwad ,worked as Judge in BE Project Exhibition in Modern College of Engineering , Pune-5 on Friday, 4th April 2014
2. Prof. D.B. Gaikwad Worked as resource person in Refresher Course in IT Applications on 8-9 December 2013, at Academic Staff College of Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.(Topic- Digital System Design using VHDL)
3. Prof. D.B. Gaikwad Delivered a guest lecture on AVR -8bit Microcontroller Architecture, and its features for M.SC Students at Department of Electronic Science, T.C. College Baramati, 20 October 2013.
4. Prof. D.B. Gaikwad Delivered a guest lecture on AVR -8bit Microcontroller Architecture, and its features for M.SC Students at Department of Electronic Science, University of Pune on 27 September 2013.
5. Prof. B.B. Yenage outstanding performance award of NCC activities, by the hands of Brig. Naresh Kumar, Group Commander, NCC Group, Pune. On NCC day function NOV 2013 at NCC GP HQ.
6. Prof. B.B. Yenage Worked as Member of M Sc Electronic Science Examination committee for Practical examination and Paper setter..
7. Prof. B.B. Yenage Participated Rice plantation activity jointly organized by Modern college and Vanarai, Pune on 20th Jul 2013.
8. Prof. B.B. Yenage Tree plantation activity organized by NSS and NCC units of Modern college at Modern college of Agri Biotechnology on 8th Aug 2013.
9. Prof. B.B. Yenage Blood donation activity jointly organized by NCC and NSS units of our college with KEM hospital blood bank on 24th Sep 2013.
10. Prof. B.B. Yenage worked as member of organizing committee in the National conference on Hazardous e-waste management held at Modern college. The conference is jointly organized by Department of Electronic Science, Department of Computer Science, Modern College and Department of Electronic Science, University of Pune on 23/12/2013 and 24/12/2013
11. Prof. B.B. Yenage worked as member of organizing committee in the International conference on Environmental conservation by adapting new technology at Modern College, Pune-5.
12. Prof. P.S. Varade worked as resource person in one day workshop for implementation of revised syllabus of F.Y.B.Sc.(Comp. sci.) organized by M.I.T. college of science, Kothrud, Pune on 21st sep 2013
13. Prof. P.S. Varade awarded as the ‘Best NSS officer’ by Pune University for the academic year 2012-13
14. Prof. P.S. Varade worked as examiner in “Vignaharta Nyas” for the Ganesh mandals in Ganesh festival under sangavi police station
15. Prof. P.S. Varade participated in the Marathon “Run for safer Pune” organized by Pune police station on 5th January 2014
16. Prof. R. V. Vidap worked as resource person in one day workshop for implementation of revised syllabus of F.Y. B.Sc. (C. S.)held at M.I.T. college of science on 21st sep 2013
17. Prof. G.M.Tarate work as resource person in three day Workshop for SE Electrical students from 30th August to 1st Sept 2013 on “Analog and Digital Electronics” in the Electrical Engineering Department of AISSMS COE, Pune.

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 involved:** Nil
5. **Annual/ semester/choice based credit system (programme wise):**
B.A. English: Annual Pattern
M.A. English: Semester Pattern with Choice Based Credit System
6. **Participation of the department in the courses offered by other Departments:**

Participation in teaching to:

- B.Sc. Bio-Technology, B.Sc. Animation, and M.Sc. Zoology
 - Papers on Soft Skills, Human Rights and Cyber Security for all PG departments
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
Prof. Pankaj Lokhande	-	-	1	-	-	-	1

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 Retract International for coordinating various programmes for students 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 'Employability Enhancement 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
2013-2014	314	295	170	125	89.79

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

2013-2014	92	54	34	20	89.79
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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
2013-2014	100	Nil	Nil

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
2013-2014	88.18	3.64	8.18

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	-
Employed	
• Campus selection	10%
• Other than campus Recruitment	50%
Entrepreneurship/Self-employment	30%

30. Details of Infrastructural facilities:

- Library: Common library
- Internet facility for staff and students: Available, 10 mbps leased line
- Class room with ICT facility: Available
- 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
2013-14	177

- Nothagarn- Sureenaree 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 globalization 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
- Remuneration services about counselling on career in languages

Departmental Activity:

- 1) Collage Exhibition was organized in August 2013. FYBA Students participated in the event. The theme of the collage was the contemporary issues.
- 2) Ms. Sayani Biswas, Ms. Lavon Dosseng, Omkar Jadhav, Ketaki Dighe, Simran Mehta and Aditi Moghe participated in the Play Reading Competition on "Shakespearean Plays" organized by Symbiosis College Pune. They won consolation prize and were praised as the youngest team of the competition.
- 3) Anshuman Mitra and Sayani Biswas participated in Debate Competition organized by Symbiosis College.
- 4) Ms. Sucharita Dutta Asane conducted a workshop on "Review Writing" on 6th February 2014
- 5) Literary Fest was organized to create awareness about literature among the students. We organized the events like Debate Competition, Literary Quiz, Spelling Bee, Mad Ads, Poster Exhibition etc. 100 Students from Science, Commerce and Arts as well participated in it.

The events mentioned above were organized by the teachers from the Department. They participated in various workshops and conferences and presented the papers. Ms. Anubha Lote (Highest marks in at TYBA Class with Sp. English) and Mr. Akshay Jain FYBA (Highest Marks in English and took admission in II year) won academic prizes.

Department of Geography

1. **Name of the department:** Department of Geography
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. Geography
M.A./M.Sc. Geography
4. **Names of Interdisciplinary courses and the departments / units involved :**
The department is involved in the teaching and coordination of a course on 'Environment Awareness'.
5. **Annual / semester / choice based credit system (programme wise) :**
B.A. Geography : Annual Pattern
B.Sc. Geography : Semester Pattern
M.A./M.Sc. Geography : Choice Based Credit System
6. **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.
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	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	-

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"> Indian Institute of Geography National Geographer Association India <ul style="list-style-type: none"> Deccan Geographer Maharashtra Bhoogol Shastra Parishad Member of Editorial Board of 'Earth Exploration', Research Journal July, 2011.
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

- National: Nil
 - International: Nil; State: 01
- 'A state level conference on Role of Tourism in the Regional Development' was organized on 27th and 28th 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 27th and 28th 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
2013-2014	314	267	162	105	89.47

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
2013-2014	48	21	13	8	89.47

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
2013-2014	100	Nil	Nil

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
2013-2014	93.02	4.65	2.33

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	-
Employed	
• 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
2013-14	178

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

Enrichment Programme

- Career development programme in NET/ SET: 27th and 28th October, 2006.
- Research in Social Sciences.
- Competitive Exam Guidance Workshop: - 17th, 18th and 27th 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 5th 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 2013-2014. 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 Sangamner (Tahsil-Bhor) was conducted by the department in October 2013 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 21st Sept. 2013 a study tour was arranged for S.Y.B.A. Geography at Kihim (Dist.Raigarh), accompanied by Dr. V. B. Kamble, Prof. Wayal N. L. and Prof. Thakur Prajakta
3. On 11th Dec. 2013 a study tour was arranged for Junior wing students at Panshet (Dist.Pune) accompanied by Prof. Mrs. Ketaki Nazirkar and Prof. Wayal N. L.
4. On 11th Jan 2014 an excursion tour was arranged for S.Y.B.Sc. Geography at Nagaon (Dist.Raigarh) accompanied by Dr. Sonawane Amit, Prof. Gadekar Rajashree and Shri. D. M. Raut.
5. Geography day was celebrated on 14th Jan.2014. Quiz competition was arranged for students. It has good response. On 1st Feb..2014 an excursion tour was arranged for T.Y.B.A. students at Akshi (Dist. Raigarh) accompanied by Prof. Wayal N.L. and Prof. Prajakta Thakur. Shri. D.M. Raut.
6. "Vasundhara Photograph competition" was held in Feb. 2014 for the students of geography.

Achievements by Teachers -

1. Dr. Amit Eknath Sonawane presented and published a paper in the National conference at Akole entitled "Water resource for sustainable development in the Shirur tahsil of Pune district Maharashtra".
2. Attended the syllabus reconstruct-workshop for the student of S.Y.B.A./ S.Y.B.Sc., M.A./M.Sc. at Bhartiya Jain Sanghatana at Wagholi, Pune.

Guest Lectures -

1. A lecture on "Cloudburst and Landslide- A natural hazards" was delivered by Prof. Anil Dandekar on 3rd Oct. 2013.
2. A lecture by Dr. Gaikwad S.W. on "Applications of GIS" arranged for post graduate students on 15th Oct. 2013.
3. A lecture on "Job opportunities in Travel and Tourism" was delivered by Mr. Ravindra Jaybhye on 12th Feb. 2014

- Dr. N. J. Kulkarni, Head

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.
 - Summer 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	Specialization	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:**

- Eight students participated in a project on Environment (Waste Management) in collaboration with Goethe Institute, Bangalore. (2013-2014)
- 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

- National:** Nil
- 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
2013-2014	20	20	6	14	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
2013-2014	100	Nil	Nil

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

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

30. Details of Infrastructural facilities

- Library:** Departmental Library available with approx. 60 books, and audio visual aids
- Internet facilities for Staff & Students:** Yes
- Class rooms with ICT facility:** Yes
- 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
2013-14	159

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 Neharu 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

- Eight students participated in a project on Environment (Waste Management) in collaboration with Goethe Institute, Bangalore (2013-2014).
- 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:

- The academic year 2013-2014 was very much important in the German field because it was the centenary year of German teaching. It is a matter of pride that the teaching of German language had completed successfully 100 magnificent years in India. To commemorate the **Centenary of German Teaching** the German section of the Department of Foreign languages, university of Pune, initiated different academic and cultural activities and events. One of these various activities was competitions which were open to all German learners in Maharashtra, from school children up to M.Phil students. This mega event was mainly organized in November- December 2013 by Modern College, Pune 5 in collaboration with MMCC, SIFIL and Max Mueller Bhawan. We had overwhelming response for these various 11 state level competitions in which 682 students participated.
- When you learn any foreign language you cannot learn it in isolation. Students have to know its culture. Keeping this in mind we always try to invite German natives to have interaction with our students, e. g. 29th January 2014 **Kerstin**, an intern from Bonn University, Germany and 2nd February 2014 **Stefanie Hausschild**, Augsburg were invited. General manager Mr. Halbe's presentation gave brief idea about career opportunities for German language.
- For three years with the support of PASCH, our team of German students has been doing environmental projects

which were presented at Bangalore conference every year. Under this initiative our students Manoj Joshi and Manasi Patil undertook environmental project on **Hotel Food Waste Management** and got a unique opportunity to represent it in the **International Youth Conference in Bremen, Germany**.

- As per our tradition we conducted A1, A2 courses successfully.

Students' Activities

- On the occasion of **centenary of German Teaching** 11 different state level competitions were organized . Our following students bagged following prizes.:
- 1 Vedika Sukhamte, Atharw Paralikar, Devika Sakhdeo : **3rd Rank in Quiz competition**
 - 2 Aditi Moghe, Akanksha Kharse, Simron Mehta, Aditi Parkhe : **3rd Rank in Sing a song competition**
 - 3 Tanaya Dindore : **1st Rank in Calendar making Level 1**
 - 4 Aditi Parkhe and Simran Mehta : **1st Rank in Calendar Making Level 2**
 - 5 Shreyas Kulkarni and Shweta Sathe : **3rd Rank in Calendar Making Level 3**
- **Manoj Joshi** (Commerce) **and Manasi Patil** (Science) **represented Enviornmental Project in Bremen, Germany.**
 - Students attended German film festival.
 - **Vedant Natu** was selected for the **Youth Camp in Sri Lanka .**

Faculties' Achievement

- **Sanjeevani Kuvalekar** was core committee member of the centenary celebration of German . She worked in this capacity in various events and took the responsibility of organization of all competition.
- Was invited by SCERT to frame the syllabus of VIII German.
- Worked as coordinator of X Std German Textbook, "**German Kreativ Interaktiv** "
- As a resource person conducted for the school teachers an orientation workshop for the new textbook of Xth Std in July 2013
- **Shilpa Rege** participated in the Orthography seminar organized by PASCH.
- On 26th February 2014 **Shruti Narayan** presented her research paper on "Philosophieren im Germanistikstudium Zum Einsatz der literarischer Texte als ein Mittel zum Verständnis im B. A. Studium in Pune " in the **international conference on Genre** organized by the department of German, Pune University and Goethe Society of India.

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	01	01

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

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D Students guided for the last 4 years
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	-	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.
- In the year 2014, we received a prize for acting at Maharashtra Rashtrabhasha Sabha, Pune. Prof. Sunita Purohit won the First Prize for writing the play.
- Miss Sujata Bhalariao, 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.
- Brhamnadev Shukla got a Consolation Prize in 2014 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

- International: International Conference on 'Employability Enhancement through proficiency in Indian and foreign languages' (Funding from ICSSR and Pune University).
 - Workshops on Hindi Grammar (2013-14)

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
2013-2014	314	75	42	33	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
2013-2014	97.76	2.24	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	-
Employed	
• Campus selection	-
• Other than campus recruitment	5%
Entrepreneurship/Self-employment	-

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
2013-14	159

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

- Workshops for Grammar and Lecture Series (2013-14)
- Handwritten Magazine (2013-14)
- Essay and Advertisement Writing Competition (2010-2014)
- Expert Lectures for students. (2010-2014)

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:

The department of Hindi has organized several competitions, workshops and programs for students over the last one year.

On the occasion of Hindi day, the department organized essay writing competition for FYBA and advertisement writing competition for SYBcom. and SYBA students in September 2013. Dr. NeelaBorwankar, HOD – Department of Hindi, Abasaheb Garware College, Pune was the jury for the competition. The program was organized on 19th September 2013 and the inauguration of the event was done by 11th standard science students by a humorous Natyawachan written by Chandragupta Jhulwani. A hand-written magazine YuvaChetana was inaugurated at the hands of the chief guest on this occasion. Dr. Borwankar delivered a lectures on importance of Hindi Language & employment opportunities in this field. Dr. Naina Kulkarni was the chairperson at this event. Following winners were felicitated.

- Essay Writing Competition
 - JanhaviPramodRakshe – FYBA First Prize.
 - Deeksha Vijay Jadhav – FYBA Second Prize.
 - Bramhadeo Shukla – FYBA Third Prize.
- Advertisement writing competition
 - DivyaKamjee – FYBcom. First Prize.
 - Seema Uplenswar – FYBcom Second Prize.
 - RoonaKumari – SYBA Third Prize.
 - SunainaDavkhare – SYBA Consolation Prize.

- On 24th December 2014 a one day workshop on spelling and grammar was organized. 32 students participated from junior and senior wing. Special guidance was given by principal S.M. Shah from Maharashtra Rashtrabhasha Sabha. Dr. NeelaBorwankar conducted the workshop. A written objective test for students was also conducted at the end of the workshop and certificates were distributed at the hands of Dr. RajendraZunjarrao, Principal, Modern College, Pune.
- On 28th January 2014, Maharashtra Rashtrabhasha Sabha organized inter-college one-act play competition and PreetiSarpotdar of TYBA won the second prize for acting. Professor Sunita Purohit won the first prize for writing the play.
- An essay writing competition was organized by Modern College, ganeshkhind. Bramhadeo Shukla of FYBA won the consolation prize at the event.

Individual Achievements:

- On 14th September 2013 Daily Kesari organized group discussion on the present situation of Hindi Language. Participants were Principal S.M. Shah, Professor NeelaMahadik, Prof. InduPande and Prof. Sunita Purohit.
- On 7th October 2013, Maharashtra Rashtrabhasha Sabha, Pune organized KaviSammelan. Prof. Sunita Purohit actively participated in the event.
- In November 2013, Prof. Sunita Purohit translated the story 'garam coat' published in the Diwali Magazine UttamAnuvad.
- On 11th November 2013, Prof. Sunita Purohit delivered a speech criticizing two poet PitambardasSaraf (Rankk).
- On 28th December 2013, Prof. Sunita Purohit presented a paper in International Seminar at New Arts College, Shevgaon.
- 25th January 2014, Prof. Sunita Purohit presented a paper in National Seminar at Garware College, Pune.
- On 28th January 2014, Prof. Sunita Purohit designed a poster in International Seminar at Modern College, Pune.
- On 3rd August 2013, Prof. Sunita Purohit compared and choreographed a cultural program on the occasion of inauguration of PES society's auditorium.
- 8th March 2014, Prof. Sunita Purohit compared a program called Ashtanayika on the occasion of Women's Day.

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**
 - a) **National committees**
 - b) **International Committees**
 - c) **Editorial Boards**
Nil
22. **Student Projects:**

Students on their own internet created 2 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:** 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.	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
2013-2014	314	255	160	95	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
2013-2014	100	Nil	Nil

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

29. **Student progression**

Student progression	Against% enrolled
UG to PG	50%
PG to M.Phil	10%
PG to Ph.D	1%
Ph.D to Post-Doctoral	-
Employed	
• Campus selection	-
• Other than campus Recruitment	
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
2013-14	159

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:

- 1) Attended the NSS camp 9th to 12th Dec. 2013, and wrote an article "History of Phulgaon" for NSS.
- 2) Attended International two days seminar in Pune University from 13th to 15th December 2013, on "International Routes and Marts in the Pre-Modern Asian World."
- 3) 25th Dev. 2013- Tulapur Historical trip with F.Y.B.A. students.
- 4) Harihareshwar - Historical trip with S.Y., T.Y.B.A. students on 19th Jan. 2014.
- 5) On 15th Feb. 2014 Historical trip with F.Y.B.A. to Sinharh.
- 6) 31st Jan. 2014 - In memory of mother, S.Y.B.A. student Satish Chanurkar was felicitated with books.

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 with Choice Based Credit System

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. Vaijayantimala 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.:**

Under the guidance of Dr. Snehal Tawre, Dr. Vaijayantimala Jadhav is pursuing her Post Doctoral Research supported by fellowship from UGC, New Delhi.

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 the 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'.
- Editor of an International Interdisciplinary Conference on 'Contribution of Indian Saints', at Mahatma Gandhi Institute, Mauritius.
- Editor of an International Interdisciplinary Conference on 'Contribution of Management Gurus and Eminent Personalities in India and Abroad' at Manipal University, Dubai.
- Editor of an International Interdisciplinary Conference on 'Contribution of Folk Culture in Various Aspects of Literature', at India-Thai Chamber of Commerce, Bangkok, Thailand.

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 Institute, 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 Apathe, Director, TEER Environmental Organisation
- Makarand Tillu, Famous Mono Acting Artist
- Dr. Kakasaheb Mohite, Ex-Dean, Faculty of Science, Pune University, Pune.

2013-14

- F.M.Shinde, Ex-President, Akhil Bharatiy Sahitya Sammelan.
- Dr. Nagnath Kottapalle, Ex-President, Akhil Bharatiy Sahitya Sammelan.
- Uttam Kambale Ex-President, Akhil Bharatiy Sahitya Sammelan.
- Dr.P.L.Gawade, Senior Educationalist, 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 5th and 6th March 2012. The source of funding Pune University, Pune.
- Two days seminar on '*Marathi Vinodi Katha: Swarup aani Sadarikaran*' on 4th and 5th 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
2013-2014	314	197	124	73	80.00

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
2013-2014	53	29	16	13	80.00

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	100	Nil	Nil
2012-2013	99.39	0.61	Nil
2013-2014	97.76	2.24	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
2013-2014	98.51	1.49	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	-
Employed	
- 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
2013-14	176

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

- Guest lectures
- Seminars
- Soft Skills Development Workshop

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'

2013-14

- Organized a lecture by D.T. Bhosale on 'Vinodi Katha'
- Organized One-day seminar on 'Mazi Jadanghadan'.
- Organized Handwriting competition on 'Marathi Bhasha Din'
- Organized Orator Competition on Aapali Utsavpriyata, Dhwanipradushan, Yek Peth Yek Ganpati, Udyog Vyavsay aani Utsavpriyata.

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.

मराठी विभाग

मराठी भाषेची आवड विद्यार्थींमध्ये अधिकाधिक निर्माण व्हावी, मराठी भाषेमध्ये विद्यार्थींना लेखन करता यावे आणि मराठी भाषेच्या अभ्यासातून नोकरी व्यवसायाच्या अधिकाधिक संधी निर्माण व्हाव्यात यासाठी मराठी विभाग सतत प्रयत्नशील असतो. स्पर्धा, व्याख्याने, विविध उपक्रम आणि चर्चासत्र याद्वारे विद्यार्थींमध्ये प्रबोधन करण्याचे काम विभागातील सर्वच प्राध्यापक करीत असतात. मराठी विभागाचे संशोधन केंद्र सुरु झालेले असून महाविद्यालयीन पातळीवरील पुणे शहरातील हे पहिलेच मराठीचे संशोधन केंद्र आहे. ग्रंथालयामध्ये अनेक उत्तमोत्तम संशोधनपर ग्रंथ आहेत. प्राध्यापक आणि विद्यार्थी या ग्रंथालयाच्या चांगला उपयोग करून घेत आहेत.

मराठी पदव्युत्तर वर्गांमध्ये दोन्ही वर्गांची विद्यार्थीसंख्या 61 इतकी आहे. श्रेयांक पध्दतीची अंमलबजावणी प्रथमच होत असून विद्यार्थींच्या नियमित परीक्षा होत आहेत. मराठी विभागाने दरवर्षीप्रमाणे या वर्षीही व्याख्यान परिषद, हस्ताक्षर स्पर्धा, निबंधलेखन स्पर्धा, वक्तृत्व स्पर्धा आयोजित केलेल्या होत्या. इंग्लिश-मराठी अनुवाद वर्गाचे हे तिसरे वर्ष असून हा एक वर्षाचा पदविका वर्ग यशस्वीरित्या घेण्यात आला.

'माझी विनोद कथा' या विषयावर डॉ. द.ता.भोसले यांचे व्याख्यान 12 सप्टेंबर 2013 रोजी आयोजित करण्यात आले. मराठी विनोदी कथेचा इतिहास आणि परंपरा विशद करीत त्यांनी विनोदाचे वेगवेगळे प्रकार सांगून विद्यार्थींना मार्गदर्शन केले. डॉ. भोसले याप्रसंगी म्हणाले, "हास्यामुळे मानवी जीवनात आनंद फुलता, त्यातून व्यक्तिमत्त्वाचा विकास होतो आणि मानवी जीवनातील ताणतणाव कमी होण्यास मदत होते." या कार्यक्रमाचे प्रास्ताविक डॉ. स्नेहल तावरे यांनी केले आणि आभार डॉ. मधुरा कोरान्ने यांनी मानले.

'माझी जडणघडण' या अनोख्या विषयावर एकदिवसीय राज्य परिषद पुणे विद्यापीठ आणि मॉडर्न महाविद्यालयाच्या मराठी विभागाने बुधवार दि. 26 फेब्रुवारी 2014 रोजी आयोजित केली. या परिषदेला महाराष्ट्रातील विविध महाविद्यालयातून 140 प्राध्यापक आणि 160 विद्यार्थी उपस्थित होते. इतर महाविद्यालयातील विद्यार्थींचा प्रतिसादही चांगला होता. या परिषदेचे उद्घाटन प्रा. फ. मु. शिंदे, अध्यक्ष अखिल भारतीय मराठी साहित्य संमेलन यांच्या हस्ते झाले. मा. प्रा. डॉ. गजानन एकबोटे परिषदेचे अध्यक्ष म्हणून आणि प्रमुख पाहुणे म्हणून डॉ. नागानाथ कोतापल्ले, माजी कुलगुरु औरंगाबाद विद्यापीठ, प्रा. सौ. ज्योत्स्ना एकबोटे, सदस्य नियामक मंडळ प्रो. ए. सोसायटी, सचिव प्रा. श्यामकांत देशमुख, प्राचार्या डॉ. राजेंद्र झुंजारराव आणि मराठी विभाग प्रमुख डॉ. स्नेहल तावरे उद्घाटन समारंभात व्यासपीठावर उपस्थित होते. महाराष्ट्रातून आलेल्या अनेक प्राध्यापकांनी आपली जडणघडण दुपारच्या सत्रात थोडक्यात मांडली. या सत्राचे अध्यक्ष डॉ. प्र. स. गावडे उपस्थित होते. समारोपाच्या सत्राचे अध्यक्ष श्री. उत्तम कांबळे आणि प्रमुख उपस्थित अधिष्ठाता डॉ. अशोक चासकर व अधिष्ठाता डॉ. गौतम भोंग यांची होती. या परिषदेचे प्रास्ताविक आणि आभार डॉ. स्नेहल तावरे यांनी केले. तयार सुत्रसंचालन डॉ. मधुरा कोरान्ने, डॉ. वैजयंतीमाला जाधव आणि प्रा.वैशाली आहरे यांनी केले. पदव्युत्तर मराठीच्या विद्यार्थ्यांनी मोलाची मदत केली. विशेषतः सोनाली अंभरे हिने परिषदेसाठी मराठी विभागाने ही परिषद आयोजित केली. विभागाच्या नेहमीच्या प्रथेनुसार कोणाकडूनही नोंदणी शुल्क घेतले नाही. तसेच परिषदेच्या उद्घाटनप्रसंगी पुस्तक प्रकाशित करण्याची मराठी विभागाची परंपरा ह्या वर्षीही पाळण्यात आली. 'माझी आई' या विषयावर विद्यार्थी आणि प्राध्यापक यांनी लिहिलेल्या पुस्तकांचे संपादन डॉ. स्नेहल तावरे यांनी केले. 'माझी जडणघडण' या परिषदेमध्ये 'माझी आई' चे प्रकाशन प्रा. डॉ. गजानन एकबोटे सर, प्रा. फ.मु. शिंदे, प्रा. सौ. ज्योत्स्ना एकबोटे आणि मान्यवरांच्या हस्ते करण्यात आले. हे पुस्तक मा. प्रा. सौ. ज्योत्स्ना एकबोटे यांना विद्यार्थ्यांच्या वतीने अर्पण करण्यात आले. अनेकांना या पुस्तकांमुळे आपल्या आईवर लिहिल्याचे समाधान मिळाले.

मराठी भाषा दिन आणि कुसुमाग्रज यांच्या जन्मदिनाचे औचित्य साधून आयोजित केलेल्या हस्ताक्षर स्पर्धेत खालील विद्यार्थ्यांची निवड करण्यात आली-

- 1) श्री. श्रीकांत कुलकर्णी
- 2) श्री. रोशन ठाकूर
- 3) डॉ. संयोगिता नाईक
- 4) श्रीमती नयना पाचारे
- 5) श्रीमती उर्मि निवर्गी

मराठी विभाग आयोजित वक्तृत्व स्पर्धेमध्ये ' आपली उत्सवप्रियता, ध्वनिप्रदुषण, एक पेठ एक गणपती उद्योग-व्यवसाय आणि उत्सवप्रियता' या विषयावर विद्यार्थ्यांनी भाग घेतला. खालील विद्यार्थ्यांना डॉ. स्नेहल तावरे यांच्यातर्फे पारितोषिक म्हणून पुस्तके देण्यात आली-

- 1) तेजश्री माने
- 2) नीता पेंढारी
- 3) रामेश्वर ढोकपाटील
- 4) दीपक निरुखे
- 5) कविता करवंदे

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 with Choice Based Credit System
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

23. Awards / Recognitions received by faculty and students:

Prof. A. N. Bhavale was awarded Doctor of Philosophy (Ph.D.) in July 2014.

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
2013-2014	402	151	77	74	66.23

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
2013-2014	99.08	0.92	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	-
Employed	
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
2013-14	123

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.
- Conducted three counselling sessions for S.Y.B.Sc. students to help and facilitate them to overcome their difficulties 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 activities

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 opportunities to undertake Minor/Major Research Projects
- 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 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 2013-14, 480 students enrolled for XI science and 180 students enrolled for XI Commerce. The strength of XII Science and XII Commerce were 480 and 180 respectively. The strength of F.Y.B.Sc., S.Y.B.Sc. and T.Y.B.Sc. was 150, 94 and 79 respectively. The strength of F.Y.B.Sc.(Comp. Sci.) and S.Y.B.Sc. (Comp. Sci.) was 150 and 150 respectively. The strength of F.Y.B.Com. was 550. In S.Y.B.Sc.(Semester-I) near about 30% students and in T.Y.B.Sc.(Semester-I) near about 23% student secured distinction. The average passing of each paper was near about 75%. The result of one paper viz. Lattice Theory was 100%.

Activities of staff Members:

Dr.N.H. Mahajan:

- Delivered a lecture to std .XII students of Rani Laxmibai Military School Kasar Amboli, Pune as a guidance to XIIth std. Board examinations.
- Took charge as Head of Mathematics Department in the leave of Prof. D. S. Mane from 12th March, 2014.

Prof. Ashok Nivrutti Bhavale:

- Submitted the Ph.D. Thesis entitled "Enumeration of certain algebraic systems and related result" to University of Pune.
- Delivered an Invited talk on "Enumeration of Lattices" in 79th Annual Conference of Indian Mathematical Society held at Rajagiri school of Engineering and Technology, Cochin, Kerala, India during 28th the 31th December, 2013 .
- Participated and presented the paper entitled "Counting Basic Blocks" in the 3rd International Conference on Discrete Mathematics (ICDM-2013) sponsored by DST and VTU, held at Karnataka University, Pawate Nagar, Dharwad during 10th to 14th June, 2013.
- Participated and presented the paper entitled "An ear decomposition of a graph" in the National Conference on Pure and Applied Mathematics organized by and held at Department of Mathematics, College of Engineering (COEP), Pune during 17th to 19th December, 2013.
- Participated in the workshop on "Mathematica" organized by Department of Mathematics University of Pune, Pune on 25th November, 2013.
- Participated in the workshop on "Restructuring of S.Y.B.Sc./B.A/S.Y.B.Sc.(Computer Science) Mathematics syllabi" organized in association with the BOS(Mathematics), sponsored by BCUD, Univeristy of Pune and held at Department of Mathematics, K.T.H.M. College, Nashik on 24th January, 2014.

Prof. Mrs. Pooja M. Paratane:

Participated in a 7 day workshop "Teacher Enrichment Programme" sponsored by DST in Bhaskaracharya Pratishthana from 18th November, 2013 to 23rd November, 2013.

Prof. Pratul V. Gadagkar :

- Participated in a 7 day workshop "Teacher Enrichment Programme" sponsored by DST in Bhaskaracharya Pratishthana from 18th November, 2013 to 23rd November, 2013.
- Worked as a judge for Seminar Competition conducted by Department of Mathematics, University of Pune in March, 2014.
- Delivered lectured on preparation for NET-SET examinations in (1)Shivaji University , Kolhapur on Complex Analysis and (2)Panchavati College, Nashik on Complex Analysis.

Activities of Students:

- Total 19 students of T.Y.B.Sc. participated in Madhava Mathematics competition held in January, 2014. Out of the total 686 participants all over Pune district Ganesh Jangid of T.Y.B.Sc. stood 8th in this competition.
- Total 3 students of T.Y.B.Sc. viz. Ganesh Jangid participated in seminar competition, Firoz Shaikh and Pearly Kartha participated in project competition conducted by Department of Mathematics, University of Pune, sponsored by DST.

Department of Microbiology

1. **Name of the department:** Department of Microbiology
2. **Year of Establishment:** 2005
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):**
B.Sc. Microbiology
M.Sc. Microbiology
4. **Names of Interdisciplinary courses and the departments/units involved:** Nil
5. **Annual/ semester/choice based credit system (programme wise):**
B.Sc.: Semester Pattern
M.Sc.: Semester Pattern with Choice Based Credit System
6. **Participation of the department in the courses offered by other Departments:** Nil
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:**
An add-on course on 'Pharmaceutical Techniques' in collaboration with various pharmaceutical industries.
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	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	-
Prof. Jyoti Mohite	M.Sc.	Asst. Professor	Soil and agricultural microbiology	06 months	-

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	1
Class 4	3	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
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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 Bashetti	1	2	-	-	-	-	3	-	-	-
Prof. Jyoti Mohite	1	1	-	-	-	-	2	-	-	-

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:

a. National: 01 (funded by BCUD , Pune and ICAR, New Delhi)

b. 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
2013-2014	402	41	9	32	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

Name of the Course/programme	Applications received	Selected	Enrolled		Pass %
			M	F	
2012-2013	190	45	14	31	95.84
2013-2014	192	43	7	36	100

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
2013-2014	99.08	0.92	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
2013-2014	98.86	1.14	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
Employed	
• 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
2013-14	45

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:

- Collaboration 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 Modern college of Pharmacy, Nigadi, Pune
- Department has organized “**Alumina Meet**” for PG students on 2nd February 2013. Chairman for this meet was Dr. S. S. Mujumdar and this meet was co-ordinated by Ms. Shradha Bashetti.
- A Model and poster competition named “**Microcosom**” for UG as well as PG students was organized by the department on 3rd January 2014. Dr. S. S. Mujumdar was chairman for this activity and It was coordinated by Mr. Vivek Bobade.
- Lecture series on “**Applications of Mathematics and Statistics in Biology**” was organized by the department for UG as well as PG students on 12th 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 UG and PG students on 7th January 2014. 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 T.Y.B.Sc 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.
- **Documentary presentation and Microtoons competition** was organized by the department specially, for UG and PG students on 17th January 2014. Chairman for this activity was Dr. S.S. Mujumdar and Ms. Kshitija Pawar and Ms. Nikita Bhonde were the coordinators of the activities.

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.
- Worked as session in-charge for International conference on Environmental Conservation by Adopting new technologies held on 28th to 29th January 2014.
- Worked as Chairman for Microcosm, Lecture series, Quiz competition, Documentary, Microtoon competition and Social Activity
- Worked as member of organizing committee for one day workshop on scientific communication titled as “Art of Science Communication” by AMI - ASM
- Attended one day workshop on “How to score more” at Abasaheb Garware college, Pune organized by AMI, Pune unit.
- Attended two day conference organized by IBB, University of Pune, Pune
- Attended two day conference organized by Fergusson College, Pune

2) Mr. Vivek Bobade :

- Invited Speaker, on the subject entitled 'Avenues in Microbiology' at the Aravind Telang College on 4th February 2014.
- Invited Speaker, in the workshop on NET – SET Preparation for Life Sciences, held at B. G. Gholap College, Pune, on 06th February 2014.
- Attended workshop on detailing of M. Sc. Microbiology part I (Credit system) syllabus, held at K. T. H. M. College, Nashik held on 22 Oct. 2014
- Signed MOU related to 'Certificate Course on Pharmaceutical Techniques' between Department of Microbiology, MCASC, Pune and Modern college of Pharmacy, Nigadi, Pune
- Worked as member of Accommodation and Traveling committee, International conference on Environmental Conservation by Adopting new technologies held on 28th to 29th January 2014.
- Worked as a coordinator of the Interdepartmental 'Microcosm' Model and Poster Presentation Competition 2013, held on 3rd January 2014, at Department of Microbiology, MCASC, and Pune 5.
- Worked as member of organizing committee for one day workshop on scientific communication titled as "Art of Science Communication" by AMI-ASM
- Attended one day workshop on "How to score more" at Abasaheb Garware college, pune organized by AMI, Pune unit.

3) Ms. Sheetal Paradeshi :

- A Minor Research Project of Rs. 2, 00,000 was sanctioned by UGC.
- Worked as a member of the Organizing Committee of Microcosm, Quiz competition Lecture Series, Documentary, Microtoon competition and Social Activity.
- Worked as member of organizing committee for one day workshop on scientific communication titled as "Art of Science Communication" by AMI-ASM
- Attended one day workshop on "How to score more" at Abasaheb Garware college, Pune organized by AMI, Pune unit.
- Worked as member of Hospitality and certificate committee for International conference on Environmental Conservation by Adopting new technologies held on 28th to 29th January 2014.
- Attended two day conference organized by IBB, University of Pune, Pune
- Attended two day conference organized by Fergusson College, Pune
- Worked as compare for National Conference on Hazardous Ewaste Management, Organized by college.

4) Mrs. Anushka Devale

- Worked as a coordinator of 'Quiz competition in Microbiology', held on 7th January 2014, at Department of Microbiology, MCASC, and Pune 5.
- Worked as member of Hospitality and certificate committee for International conference on Environmental Conservation by Adopting new technologies held on 28th to 29th January 2014.
- Worked as a member of the Departmental 'Microbiology Quiz Competition, Lecture Series, Documentary, Microtoon competition and Social activity
- Worked as member of organizing committee for one day workshop on scientific communication titled as "Art of Science Communication" by AMI-ASM
- Attended one day workshop on "How to score more" at Abasaheb Garware college, pune organized by AMI, Pune unit.

5) Mrs Rupali Naik- Sawant:

- Worked as a coordinator of Lecture series on "Applications of Mathematics and Statistics in Biology" held on 12th February 2013, at Department of Microbiology, MCASC, and Pune 5.
- Worked as member of Hospitality committee for International conference on Environmental Conservation by Adopting new technologies held on 28th to 29th January 2014
- Worked as a member of the Departmental 'Microbiology Quiz Competition, Lecture Series, Documentary, Microtoon competition and Social activity
- Worked as member of organizing committee for one day workshop on scientific communication titled as "Art of Science Communication" by AMI-ASM
- Attended one day workshop on "How to score more" at Abasaheb Garware college, Pune organized by AMI, Pune unit

6) Mrs. Madhuri Amrutkar- Kothawade

- Worked as a coordinator of 'Social Activity', at Sarvesha seva sangh, Vadgoan (bk), Pune-411 041.
- Worked as co-ordinator of felicitation committee for International conference on Environmental Conservation by Adopting new technologies held on 28th to 29th January 2014
- Worked as a member of the Organizing Committee of Alumina Meet, Quality Enhancement Workshop, Microcosm, Quiz competition and Lecture series
- Worked as a member of the Departmental 'Microbiology Quiz Competition, Lecture Series, Documentary, Microtoon competition and Social activity.
- Worked as member of organizing committee for one day workshop on scientific communication titled as "Art of

Science Communication” by AMI-ASM

- Attended one day workshop on “How to score more” at Abasaheb Garware college, Pune organized by AMI, Pune unit

7) Ms. Shradha Bashetti :

- Worked as a member of the Departmental Microbiology Quiz Competition, Lecture Series, Documentary, Microtoon competition and Social activity.
- Worked as member of organizing committee for one day workshop on scientific communication titled as “Art of Science Communication” by AMI-ASM
- Attended one day workshop on “How to score more” at Abasaheb Garware college, Pune organized by AMI, Pune unit
- Attended two day conference organized by IBB, University of Pune, Pune

8) Miss. Nikita Vasudeo Bonde

- Worked as a member of the Departmental ‘Microbiology Quiz Competition, Lecture Series, Documentary, Microtoon competition and Social activity

9) Miss. Kshitija Pawar

- Worked as a member of the Departmental ‘Microbiology Quiz Competition, Lecture Series, Documentary, Microtoon competition and Social activity.
- Worked as member of organizing committee for one day workshop on scientific communication titled as “Art of Science Communication” by AMI-ASM.
- Worked as Coordinator of **Documentary presentation and Microtoons competition** was organized by the department specially, for UG and PG students on 17th January 2014
- Worked as member of felicitation committee for International conference on Environmental Conservation by Adopting new technologies held on 28th to 29th January 2014

Students Activities:

- 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.
- Mr. Sumit Shelar, Mr. Ehatasham Ansari, Mr. Sourabh Lokhande and Palana Chouhan are doing National project with NCCS.
- T. Y. B. Sc. students visited Sarvesha Seva Sangh, Pune
- Mr. Amber Kachale, Mr. Avinash Mali, Mr. Pranav Sarnobat got second prize in State Level Model Competition at Rajaram College, Kolhapur.
- Ms. Surabhi Rode and Ms. Sayali Kirtiwar received third prize in State Level Poster Competition at Rajaram College, Kolhapur.

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 with Choice Based Credit System
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 (Upto 31 st August 2015)	M. Sc. D. H. E.	Associate Professor and Ex-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	-

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	-	-

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

- Systematic synthesis, characterization & field emission investigations of novel metal oxide nanostructures/heterostructures – Sanctioned by BCUD, (Pune University), 2014-2016.
- Development of CZTS based low cost thin film solar cells by electrochemical deposition method, Sanctioned by BCUD, (Pune University), 2014-2016

17. Departmental projects funded by DST – FIST, UGC, DBT, ICSSR, etc. and total grants received: 02, Grants sanctioned Rs. 4,60,000/- (2014-2016)

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:**

National Conference on Energy and Environment (NC2E-2014) on 'Energy and Environment Security through Cutting Edge Technology' ISBN No.: 978-93-83993-10-9, Success Publication, website: www.sharpmultinational.com

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 :**

Dr. Vaishali Waman was a member of the editorial board Proceedings of National Conference on Energy & Environment, NC2E-2014, Pune University ISBN: 978-93-83993-10-9

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 25th January 2012.

Achievements of Non Teaching Staff:

- Mr. S. S. Kamthe has been elected as
- o Member, All India Federation of Non Teaching Staff of colleges and Universities.
 - o Chairman, Maharashtra State Federation of Non-Teaching staff of non-agricultural colleges.

Other Achievements:

Participation of students in other Institute:

- Mr. Shiram Ramane completed a course in Experimental Physics at IISER, Pune in December 2014
- 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/ 2014

- 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
2013-2014	402	213	91	122	76.92

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
2013-2014	99.08	0.92	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
Employed	
• 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
2013-14	168

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:

All the 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. – 214; S. Y. B. Sc. – 98; T. Y. B. Sc. – 26.

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 Geomagnetic Laboratory, Alibag, Dist Raigad. On 21st January 2014. Prof. S. R. Gogte, Dr. Sandeep Patil, and Dr. Vaishali Waman took efforts in organizing this activity.
- b) F. Y. B.Sc. and S. Y. B. Sc. students visited KISAN and MahaTech (an exhibition of Automation in Industrial products). Prof. S. S. Thengadi and Prof. Nileshkumar Pardeshi took the efforts in organization and smooth functioning of these study visits.



Study tour to Geomagnetic Laboratory, Alibag (Dr. Anand Bhingare, Alibag demonstrating magnetic field measuring instrument)

2. **Guest Lecture :** A guest lecture of Shri Uday Tade (Electronics Engineer (Retd) , Avionics Group, Dr. Vikram Sarabhai Space Centre, Thiruvananthapuram) was arranged on 30 August 2013 for the students of S.Y.BSc. The topic of the lecture was SLV-3 Rocket, Space-Shuttle and Dr. A.P.J. Abdul Kalam).



Shri Uday Tade delivering a lecture

2. Visit of students of Std X from Jnanprabodhini:

Students of Std. X from Jnanprabodhini School visited the Department of Physics under the guidance of Prof. J.B. Dashaputre on 16 and 17 December 2013. These students had opportunity to interact with the Students of TYBSc(Physics).



Students of Jnanprabodhini interacting with the Students of T.Y. BSc (Physics)

3. **Poster competition:** A poster competition and exhibition was conducted for the F. Y. B. Sc. Class on 18 January 2014. The Poster exhibition was inaugurated by Dr. C.V. Dharmadhikari, Visiting Faculty member, IISER and formerly Professor in Physics, Department of Physics, University of Pune., Prof. R. S. Zunjarrao, Principal chaired the function. Dr. Sandeep Patil, Dr. Vaishali Waman, Prof Sanket Gogte and Prof Gopinath Kate evaluated the posters. The prizes were distributed on the same day. Prof. Nileshkumar Pardeshi took efforts in organization of Poster Competition.



Dr. C. V. Dharmadhikari inaugurating the poster-exhibition

3. Project competition: Students of T. Y. B. Sc. (Physics) carry out a project work as a part of their curriculum. Exhibition (I³) and Competition of these projects was arranged on 24 February 2014. Dr. R. S. Zunjarrao, Principal inaugurated the exhibition. Prof. S.R. Wagh and Prof. V. T. Shelke examined the projects. The prizes were distributed at the hands Prof. S.R. Chaudhari, **Vice-Principal**. Dr. Sandeep Patil **co-ordinated the event**.



Dr. C.V. Dharmadhikari and Dr. R. S. Zunjarrao interacting with participants.

4. Achievements of Students: Results of the Department: **For the academic year 2012-13.**

Class	Percentage (%)
F. Y. B. Sc	30
S. Y. B. Sc.	91.5
T. Y. B. Sc.	68.42



Principal Dr. R. S. Zunjarrao interacting with participants.

1. Jithin P. (F.Y.B.Sc. - Div A) Attended Frontiers In Physics - V, a national seminar on astronomy and astrophysics in Fergusson college.
2. Shriram Ramane T. Y. B. Sc. attended a workshop on "Experimental Physics" organized by IISER, Pune. He received "Excellent Performer" award in the workshop.

5. 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. He also helped the college administration in preparation of proposals for various schemes/funding agencies and following up the agencies
2. Dr. Sandeep Patil **published three research papers in international journals.**
3. Dr. Vaishali Waman published four research papers in international journal and one in national conference on Energy and Environment. She also worked as editor of the abstract volume published with ISBN number in the National Conference of Energy and Environment at Univesity of Pune, Pune.
4. Prof. Sanket Gogte and Dr. Vaishali Waman attended a Teachers' Workshop on "Teaching Astronomy and Astrophysics at UG level on 3rd and 4th July, 2013 at Fergusson College, Pune.

6. Publications:

Dr. Vaishali S Waman:

- (1) Title: Evolution of microstructure and opto-electrical properties in boron doped nc-Si:H films deposited by HW-CVD method; Journal: Journal of Alloys and Compounds (2013)
- (2) Title: Evolution of structural and optical properties of rutile TiO₂ thin films synthesized at room temperature by chemical bath deposition method.; Journal: Journal of Physics and Chemistry of Solids (2013)
- (3) Title: High growth rate of a-Si:H films using ethane carbon source by HW-CVD method. Journal: Bulletin of Material Science (2014)
- (4) Title: Hydrogenated silicon carbide thin films prepared with high deposition rate by hot wire chemical vapor deposition. Journal: Journal of Coatings
- (5) Editor of Abstract Volume of National Conference on Energy and Environment (NC2E-2014) Conference, University of Pune. ISBN: 978-93-83993-10-9

Dr. Sandeep S. Patil: Published two research papers in International Journals:

- (1) Title: Template free Electrochemical synthesis of highly crystalline Polyaniline Nanopetals, Nanocrystals and their Field Emission Investigations. Journal: Journal of Eelctrochemical Society 160, (11) D543-D552 (2013)
- (2) Title: Noise Measurement and Analysis of Field Emission Current from Boron Doped Diamond. Journal: IEEE Transactions in Nano Technology, TNANO - 0019-2013
- (3) Vapor-liquid-solid growth of one dimensional Tin Sulfide (SnS) nanostructures with promising field emission behavior. Journal: Journal of Applied Materials and Interfaces, 6 (3), pp. 2018-2025, (2014).

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
2013-2014	314	267	159	108	86.84

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
2013-2014	100	Nil	Nil

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	-
Employed	
• Campus selection	-
• Other than campus Recruitment	-
Entrepreneurship/Self-employment	-

30. Details of Infrastructural facilities:

- Library- College Library
- Internet facilities for Staff & Students: Common Computing facility in the College Library
- Class rooms with ICT facility: Yes
- 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
2013-14	159

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:

- 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:

From academic year 2013-2014, class 12th and F.Y.B.A. syllabus has been revised. Prof. Geetaram Gaikwad participated in the training programme for the new syllabus during 27th to 28th July 2013 at Kasar Amboli, in Mulashi Taluka of Pune district.

Prof. Vishnu Shrimangale attended lecture delivered by Prof. Rajiv Bhargav of Delhi University in the Department of Political Science, University of Pune.

Foundation for the Labour and Employment Promotion, Bangkok, Thailand has organised 'Asian Regional Workshop' during 22nd to 23rd March 2014. Prof Vishnu Shrimangale will participate in the same.

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 with Choice Based Credit System
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

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 Editorial 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:

- 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 %
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			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
2013-2014	314	137	50	87	93.75

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
2013-2014	59	42	12	30	100

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
2013-14	100	Nil	Nil

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
2013-14	90.12	6.17	3.70

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	-
Employed	
• 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
2013-14	168

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: (Free counseling service provided throughout the year to stake holders, special cases identified during counselling camp, and cases requiring further sessions)
II.	Counselling Camp: (Free counselling service provided every year since 2008)
III.	Aptitude Testing & Career Counseling: (Free computer-based aptitude testing followed by career counselling by experts provided throughout the year since 2011)
IV.	Pragati Foundation Group Testing & Career Awareness: (M.A.-II students of the department provide psychological testing services and career awareness to children of brick-kiln laborers (2012, 2013))

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 Muktangan (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:

During the academic year 2013-14, the Department of psychology organized various co-curricular activities. These activities are beneficial for developing skills among the students.

- ❖ **Teachers Day Celebration**- Cultural Program arranged by students dedicated for teachers.
- ❖ **Film Show**- screening of films like "Devrai" and "Shutter Island", followed with discussions with experts.
- ❖ **Presentations by Under-graduate students**, organized and supervised by Smt. Vijaya Jagtap and Sumedha Kshirsagar.
- ❖ **Quiz competition** for Post graduate students on Statistical Methods & Psychological Testing organized and supervised by Dr. Vaishali Mardhekar and Mr. Sairaj Patki on occasion of **Mental Health Day**.
- ❖ **Guest lecture** by Dr. Awasthi on Neurocognitive Science.
- ❖ **Certificate course on HIV/AIDS** Counseling by Dr. Ujjwal Nene.
- ❖ **Study tour**- 23 students of PG section visited Delhi and Agra and attended the National Seminar on "Hypnotherapy- Master of Mind", organized by Society of Hypnotherapy at JNU: New Delhi.
- ❖ **Study Visit**- for PG students- a visit to Kripa Foundation De-addiction Centre.
- ❖ **Study Visit**- for UG students- a visit to Sampark Balgram Orphanage, Bhaje organized by Apeksha Gawade and Sumedha Chandekar.
- ❖ **Parents Meeting** was arranged to inform the parents about the newly introduced Credit System & Study Tour of Delhi.
- ❖ **Regular Interaction** by the **Past Students** of the Department – sharing work experience and guidance to the juniors.
- ❖ **Excellent placements** of the post graduate students at various posts like lecturers, researchers, counselors, special educators, rehabilitation officers, HR managers in various organizations.
- ❖ **Result Analysis** In the academic year 2012-13, all T.Y.B.A. students successfully cleared the exams and for M.A. students success rate was 91% .
- ❖ Organized a **Syllabus Revision Workshop** for S.Y.B.A. and S.Y.B.Sc., which was funded by BCUD, Pune University. The members of BOS psychology and psychology teachers from Pune, Ahmednagar and Nasik participated and provided their valuable suggestions.
- ❖ **Series of workshops** organized by the Department as a pre activity for Counseling Camp. The details are as follows:

Sr no	Speakers	Topic	Sr no	Speakers	Topic
1	Mr. Tonmoy Haldar	Dance Therapy	4	Mr. Pawan Gaikwad	School Counseling
2	Dr. Ujjwal Nene	Rorschach Administration	5	Smita Dongare & Anuja Kolhatkar	Soft Skills
3	Mrs. Vanita Jadhav	Geriatric Counseling	6	Dr. Shreeram Geet	Career Counseling
			7	Mr. Shankar Khedkar	Yoga Therapy
			8	Mr. Indrajeet Deshmukh	Drug Addiction & Rehabilitation

❖ Achievements of Teachers:

Dr. Amruta Oke-

- 1) Awarded Ph.D. degree. The topic for the Ph.D. Thesis was-"Impact of Personality, Parenting and Interests on Effective Career Decision Making."
- 2) Co- authored a book titled "Psychology: The Science of Behavior" which was published by Pearson Education.
- 3) Delivered a lecture on Career Counseling at State Level Conference at New Arts Commerce and Science College, Ahmednagar.
- 4) Presented the Ph.D. research for the Staff Academy, Modern College, Pune-05.
- 5) Invited as a Member of MA Syllabus Revision Sub Committee .
- 6) Successfully organized Workshop for teachers on S.Y.B.A. and S.Y.B.Sc. Syllabus Revision.

Smt. Vijaya Jagtap-

- 1) Completed certificate course (Career Mitra).
- 2) Published Paper in the proceedings of State level conference held at Barshi, titled "Creativity in Adolescents"

Smt. Smita Vaidya-

- 1) Organized study tour for post graduate students at New Delhi.
- 2) Attended National Seminar on "Hypnotherapy- Master of Mind", organized by Society of Hypnotherapy at JNU: New Delhi.
- 3) Participated and won the Inter-Institute Dodge Ball & Throw Ball competitions organized as a celebration of Kanitkar Day.
- 4) Participated in Workshop on "Choice based Credit System" organized by New Arts Commerce and Science College, Ahmednagar.

Mrs. Shradha Sakatkar-

- 1) Paper published in National Seminar on "Emotional Intelligence and Youth". Title of the paper- "A study of Parenting Styles, Academic Performance and Emotional Intelligence of Students"
- 2) Participated in State level seminar 'Counseling and Psychotherapy' organized by New Arts Commerce and Science College, Ahmednagar.
- 3) Delivered a talk to F.Y.B.Sc. students on "Counseling Awareness".
- 4) Interviewed on Radio Nagar 90.4 FM channel regarding Counseling and its Importance.
- 5) Conducted a "Study Skills Workshop" for Science teachers on the Science Day.
- 6) Participated as a Captain and won the Inter-Institute Dodge Ball & Throw Ball competitions organized as a celebration of Kanitkar Day.

Mr. Sairaj Patki-

- 1) Organized study tour for post graduate students at New Delhi.
- 2) Attended National Seminar on "Hypnotherapy- Master of Mind", organized by Society of Hypnotherapy at JNU: New Delhi.
- 3) Invited as Judge for Inter collegiate debate competition "Waxing Eloquent" at Symbiosis college of Arts and Science.

Smt. Sumedha Chandekar-

- 1) Qualified the NET examination in Psychology held in June 2013.
- 2) Invited as a Resource person for the Soft Skills Development Program for Commerce students of Modern college.
- 3) Invited as a Judge for the Audio-Visual Competition organized by Commerce Department of Modern college.
- 4) Invited as a Judge Mad-Ad Competition organized by English Department of Modern college.
- 5) Invited as a Guest Speaker for Stress Management by the Electronics Department.

Smt. Apeksha Gawade-

- 1) Invited as a Resource person for the Soft Skills Development Program for Commerce students.
- 2) Invited as a Guest Speaker for Stress Management by the Electronics Department.

❖ **Students Achievements:**

- 1) Sangeeta Pujari- T.Y.B.A. bagged a consolation prize in State level Competition on General Knowledge in Psychology, organized KBP College, Islampur.
 - 2) T.Y. and S.Y. B.A. students attended the State level Competition on General Knowledge in Psychology, organized KBP College, Islampur.
 - 3) Harpreet Gala (M.A.II), Anish Gokhale (M.A.I), Preeti Sarpotdar (T.Y.B.A.) and Ankit More (S.Y.B.A.) participated in the Intercollegiate Quiz Competition organized by Wadia College, Pune.
 - 4) Preeti Sarpotdar- TYBA bagged a second prize for acting in Intercollegiate Hindi Drama Competition organized by Rashtrabhasha Sabha.
 - 5) Post graduate students participated in State level seminar organized by New Arts Commerce and Science College, Ahmednagar.
 - 6) Vedangi Kulkarni- T.Y.B.A. student bagged the Consolation prizes for the "Natya-Vachan" competition organized by Kala Mandal, Modern College, Pune.
 - 7) Prasad Chaubal- T.Y.B.A. student bagged the prize for Mono- Act, organized by Kala Mandal, Modern College, Pune.
 - 8) Pradip Shinde, Kiran Mahske, Sachin Khole, Vilas Mahadik, Satish Kshirsagar, Shankar Khedkar and Shambhuraje Shinde attended the National Conference on "Behavior of the Aged" organized by S.G.M. College, Karad.
- ❖ Smt. Neeta Pachange- Lab Assistant; Mr.Suresh Jadhav and Mr. Arun Shindekar- Lad Attendants; and Vijay Bhadakawad- Student from the Earn and Learn Scheme have always cooperated in the smooth functioning of our Department.

Department of Statistics

- 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 with Choice Based Credit System
 M.Sc. Statistics: Semester Pattern with Choice Based Credit System
- 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.
No. of Staff	5	4	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:

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

a) **National committees:**

b) **International Committees:**

c) **Editorial Boards :**

Prof. P. G. Dixit is working on an Editorial Board of research journal 'Dnyanomay' published by Progressive Education Society.

22. Student projects

a) **Percentage of students who have done in house projects including inter departmental/programme:** 90% for T.Y. B.Sc. and M.Sc.

b) **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. Chandrashekhar Potnis, a past student is awarded "Exemplary Industrialist" by K.B. Alias Anna Talwalkar Memorail Trust in February 2014.
- 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 Professoef 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.
17.	17/01/2014	Mr. Akash Rughani, Ms. Hemal Thakkar, Ms. Deepti Pujari, Mr. Lavesh Pillai (FINSTAT Training Personelle in ACTUARIAL Statistics)
18.	18/01/2014	Dr. A. P. Gore, Vice-President, CYTEL,Pune.
19.	18/01/2014	Prof. A. G. Gosavi, Retd. Principal, Modern College of Arts, Science and Commerce, Shivajinagar, Pune-5.

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

- National: 3 Workshops
- International: 1 Pre-conference
- State: 1 Workshop
- District: 3 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
4	2013-14	Workshop on revision of M.Sc. I Sem I and II (Choice based credit system) syllabi	Pune University
5	2013-14	Workshop on revision of M.Sc. II Sem III and IV (Choice based credit system) syllabi	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
2013-2014	402	96	42	54	92.00

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
2013-2014	145	34	9	25	72.41

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
2013-2014	99.08	0.92	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
2013-2014	98.41	0.00	1.59

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	-
Employed	
• 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
2013-14	128

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, Quiz, 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 Quiz Competition 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 Executive 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
- Availability 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 2013-14.

1. Academic Activities and Achievements of Students:

- A) Quiz:** F.Y. B.Sc., F.Y. B.Sc. (Computer Science) and S. Y. B.Sc. Quiz Round I was organized on 11th January 2014. Second round of S.Y. B.Sc. Quiz was conducted on at Abasaheb Garware College Pune. Result of the Quiz was as follows:

Class	Names of the Students	Result
F.Y. B.Sc.	Mr. Jithin P. B.	1 st rank
F.Y.B. Sc.(Comp. Science)	Ms. Pasalkar Sayali	1 st Rank
S.Y. B.Sc.	Ms. Khatmode Sarika A. Ms. Gadekar Sayali Ms. Korade Swati A.	Selected for the second round.

B) Glorious Achievements of Past students :

1. Ms. Kirti Gaikwad the past student is appointed in the central Government in Indian Statistical Services (ISS) as statistical officer.
2. Mr. Chandrashekhar Potnis the past student is awarded "Exemplary Industrialist " by K.B. Alias Anna Talwalkar Memorail Trust in February 2014.

C) Internship and Training:

1. Miss Jyoti Akhade and Miss. Manju Choudhary completed 2 months training during at National Sample Survey Organization (NSSO), Akurdi, Pune.
2. Miss. Pooja Pawar and Miss. Shital Aswale of M.Sc. II were selected for 5 days training program at National Academy of Statistical Administration (NASA), Delhi on 30th Dec 2013 to 3rd January 2014.
3. Six students of T.Y. B.Sc. from our department attended State level symposium on "Exploring statistical Applications in diverse fields" on 7th December 2013 and also state level workshop on "Preparing statistics students for employment in Industries" on 8th December 2013 at Hislop College, Nagpur.
4. Four students of S.Y. B.Sc. from our department attended workshop on "Career and opportunities in statistics" at Kisanveer Mahavidyalaya Wai, Dist. Satara.
5. Five M. Sc. students attended a workshop at University of Pune, on "Design and analysis of clinical trials" at University of Pune on 3rd January 2014.

D) Participation of Students:

1. Two teams of students: a) Ms. Manju Choudhary and Ms. Nikita Tengshey, b) Ms. Pooja Pawar and Ms. Jyoti Akhade participated in "Avishkar" in Project competition on 10th December 2013, at Modern College, Ganeshkhind.
2. Fifteen students attended workshop on "Information about ISS Exam" at NSSO office, Akurdi, Pune on 20th December 2013.
3. Ms. Manju Choudhary and Ms. Nikita Tengshey participated in Essay competition conducted by NSSO office, Akurdi, Pune on 13th Dec, 2013.

2. **Workshops Organized: Statistics Fest :** Department has organized on the occasion of International Statistics Year 2013, the Statistical Fest for S.Y., T.Y. B.Sc., M.Sc.(I and II) Students on 18th January 2014. Case studies, statistical crossword, puzzle solving and Guest Lectures were the events of this fest. Dr. A. P. Gore and Prof. A. G. Gosavi Dr. R.S. Zunjarao (Principal) were the speakers for this fest. Prof. P. S. Chirputkar presided over the function.

3. Guest Lectures Organized:

No.	Date	Name of the Guest	Topic
1	01/05/2013	Dr. M. N. Deshpande and Mr. Gokhale	Release of a book "Wonderland of Right angled triangles and Pythagorean Triplets"
2	29/06/2013	Dr. Onkareshwara Prasad	Use of Statistics in Government.
3	27/07/2013	Mr. H.N. Patil	Understanding the basic concepts of Statistics and its scope, and certain applications in State Transport Corporation.
4	24/08/2013	Mr. Potnis, Ms. Kirti Gaikwad	Lecture on how to prepare for ISS examination and UPSC examinations.
5	17/01/2014	Mr. Akash Rughani Ms. Hemal Thakkar Ms. Deepti Pujari Mr. Lavesh Pillai	Scope of Actuarial statistics to assess financial risk
6	18/01/2014	Dr. A. P. Gore	Statistical Numeracy
		Prof. A. G. Gosavi	Preparations for Competitive examinations UPSC and MPSC

4. Campus Interviews

The campus interviews were conducted by,

- i) Tech-knit e- solution company on 24th October 2013 at the Department of statistics.
- ii) E solve e tutoring company on 22nd January 2014 at the Department of Statistics.
- iii) CYTEL Software Services organized interviews on 11th March 2014.
- iv) Premier Biosoft, Indore organized interviews on 21st April 2014.

5. Workshops, Seminars Participation and worked as resource person:

A) Prof. P. G. Dixit:

- i. Organised Book Release ceremony of the book "Wonderland of Right angled triangles and Pythagorean Triples" by Dr. M. N. Deshpande and Gokhale on 1st May 2013.
- ii. Attended lecture series at University of Pune on "Bootstrap methods and Jackknife estimations" on 2nd July 2013, as training program after syllabus revision of M. Sc.
- iii. Delivered a lecture at NSSO on 29th June 2013, on topic "Labour and employment".
- iv. Delivered lectures at D.A. V. College, Solapur on "Application of Statistics" on 3rd September 2013.
- v. Nominated as a member of Board of Studies in Statistics of Dr. B. R. Ambedkar University, Aurangabad.
- vi. Attended Workshop of Syllabi revision meeting at Nanded on 24th September 2013.
- vii. Attended the workshop on Biomedical Statistics at Chest research foundation, Vadgaonsheri, Pune.
- viii. Attended Meeting at Somayya College for Syllabi Revision of S. Y. B.Sc. on 5th October 2013.
- ix. Attended workshop for trustees organized by Lex- eye services on 26th October, 2013.
- x. Delivered a talk at conference at Raipur on 15th, 16th and 17th November 2013.
- xi. Attended National conference at Institute of Science Nagpur on 3rd and 4th January 2014.
- xii. Attended workshop as resource person at North Maharashtra University Jalgaon on 10th and 11th January 2014.
- xiii. Attended meeting of Board of Studies in Statistics at Belgium at 19th January 2014.
- xiv. Attended national workshop to present a paper on sample size estimation at Yashwantrao Chavhan Maharashtra Open University, Nasik on 27th, 28th and 29th January 2014.
- xv. Attended Workshop on "Syllabi revision for S.Y. B.Sc. / B.A. at H. V Desai college on 18th February 2014.
- xvi. Attended a workshop on Census data at Gokhale Institute Pune on 7th February 2014.
- xvii. Elected as a member of Advisory committee and a member of Board of trustees of Students' Welfare Association, Pune for 2014-2017.
- xviii. Attended Board of Studies meeting at Dr. B.R. Ambedkar University, Aurangabad on 21st February 2014 and S.R.T.M. University, Nanded. On 22nd February 2014.

B) Prof. P. S. Kapre

- i. Participated in symposium on exploring statistics applications in diverse fields on 7th December 2013 at Hislop College, Nagpur.
- ii. Attended State level workshop for preparing statistics students for employment in Statistics on 8th December 2013 at Hislop College, Nagpur.
- iii. Participated in workshop on revision of syllabi of S.Y. B.Sc. Statistics / Statistical Techniques and S.Y. B.A. Statistics on 18th February 2014 at H.V. Desai College, Pune -02.

C) Dr. M. M. Sane:

- i. Attended International conference on "Role of statistics in advancement of science and technology" at University of Pune on 16- 18 December 2013.
- ii. Attended National workshop on " Hazardous e-waste management at Modern College , Pune 5 on 23-24 December 2013.
- iii. Attended Workshop on "Design and analysis of clinical trials" at University of Pune on 3rd January 2014.
- iv. Attended Workshop on "Syllabi revision for S.Y. B.Sc. / B.A. at H. V Desai college on 18th February 2014.

D) Prof. Rajashree M. Umarani

- i. Attended Workshop "Syllabi revision for S.Y. B.Sc. / B.A. at H. V Desai college on 18th February 2014.
- ii. Attended lecture series at University of Pune on "Bootstrap methods and Jackknife estimations" on 2nd and 3rd July 2013, as a training program on revised syllabi of M. Sc.

E) Prof. A.T. Kamble

- i. Attended lecture series at University of Pune on "Bootstrap methods and Jackknife estimations" on 2nd and 3rd July 2013, as a training program on revised syllabi of M. Sc.
- ii. Attended International conference "Role of statistics in advancement of science and technology" University of Pune 16- 18 December 2013.
- iii. Attended International workshop "Reliability and survival analysis" at Cochin University during 31st December 2013 to 2nd January 2014.

F) Prof. Chinchankar A.S. :

Attended workshop on "Career and opportunities in statistics" at Kisan Veer Mahavidyalaya, Wai, Satara. On 11th and 12th January 2014,

G) Prof. Waldhe P. S.

Attended lecture series at University of Pune on "Bootstrap methods and Jackknife estimations" on 2nd and 3rd July 2013, as a training program on revised syllabi of M. Sc.

H) Prof. Anjali Kulkarni

- i. Attended workshop on "Information about ISS Exam" at NSSO Office, Akurdi, Pune on 20th December 2013.
- ii. Attended workshop on "Role of Mathematics and Statistics" at Modern College Pune-05 on 5th February 2014.

6. Achievements and Publications:

1. Prof. P.G. Dixit has published 18 books in the academic year 2013-14.
2. Prof. P. S. Kapre has published 03 books in the academic year 2013-14.

7. Industry Academia program:

1. Department has conducted training program on SAS software with the help of CYTEL, Software Services, Pune, for the duration of 60 contact hours. 18 students of M. Sc, (II) participated, it has enhanced the employability of s students.
2. Mr. Kotkar M.S. from CYTEL Software Services, Pune taught the course "Analysis of Clinical trials" to M. Sc. Students for two consecutive years.

8. 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. He submitted DCF II form of Modern College, Shivajinagar, Pune -05 for the years 2011-12 and 2012-13 on AISHE portal.
- 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 committees.
- 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. Manisha Sane worked as, coordinator for Annual Prize Distribution Committee (Academic).
- vii. Dr. Manisha Sane worked as, advisor Science Association committee.
- viii. Dr. Manisha Sane worked as Chairperson of Result Analysis Committee.
- ix. Prof. Asmita Kamble worked as, member of Science Association.

9. Prizes:

- | | |
|---|--|
| A. V.R.Dhongade prize | : Mr.Prasad Ambule (F. Y. B.Sc.). |
| B. V.R. Prayag prize | : Ms. Farad Bhakti (T.Y. B.Sc.). |
| C. Late sau Indirabai Chirputkar prize | : (i) Ms. Farad Bhakti (S.Y.B.sc.). |
| D. Late Nirmala Potnis Prize | : (i) Ms Priyanka Muluk (T.Y.B.sc) (ii) Ms. Shruti Rao (S.Y.B.com.). |
| E. Mahendra Takalkar (Past Student) | : Ms. Divyashree Jain (M.Sc.). |

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 with Choice based credit system
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 (Up to 2012)	M.Sc., Ph.D.	Ex-Head of the department	Developmental Biology	33	5
Dr. A.M. Bhalerao (Up to 2014)	M.Sc., Ph.D.	Ex-Head of the department	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	1	-

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
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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 and has obtained continuation of affiliation and recognition up to 2018-2019.

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)
- Christopher Thorp-Dixon, University of Plymouth, UK (April 2012, July 2014)
- 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.

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
2013-2014	402	161	46	115	80.76

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
2013-2014	99.08	0.92	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
Employed	
• 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
2013-14	123

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 under-graduate 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.

Lecture series under UGC- CPE scheme:

Sr.No	Date	Resource Person	Topic of Lecture
1	08/02/2014	Mrs. Manju Tadwalkar, CEO ,INORA, Pune	Waste to wealth
2	12/02/2014	Dr.Donald Paise, Asst.Dev .Officer, CBRTI Pune	Importance of Apiculture
3	14/02/2014	Dr. R. L. Palimkar, Govt. Central Hatchery, Pune	Business opportunities in Poultry Science
4	15/02/2014	Dr. Nitinkumar Ranshur (Associate Professor) College of Agriculture, Pune	Importance of Physicochemical testing of soil.
5	17/02/2014 04/03/2014	Dr.H.V.Ghate (retd.Associate Professor)	Important aspects of Evolution Microtechnique-Dos and Dents
6	04/03/2014	Dr.Manisha Modak (Associate Professor), S.P.College,Pune	Recent trends in Molecular Biology
7	06/03/2014	Dr.S.J.Thatte (retd.Associate Professor)	A few interesting facts in Mammalian physiology

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
7.	09/01/2014	Dr. R. R. Bhonde	Magic of Stem Cells
8.	01/02/2014	Dr. Kamallesh Chavan	Snakes and Tips for Jungle Trail (Talk on field at Dhamapur Jungle)
9.	12/02/2014	Dr. Bhuvanesh Awasthi	Neurobiology and Epigenetics

Quiz Contests:

In the month of December 2013 and December 2014 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 the T.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:

Our departmental staff completed their assignments of curriculum and also the duties of examination work. They actively contributed to the smooth functioning of various committees and associations of the college.

Educational visits/ Excursion tours:

F.Y.B.Sc. 'B' had a one-day educational trip to Shirgaon and areas nearby the backwaters of Pawana Dam with the intention of studying biodiversity of water bodies. Dr. Y.S.Shinde, Prof.Rahul Gaikwad and Prof .B.T.Kalbage took initiative in organising this trip. Mr.Umesh Gore (Lab.Asst.) and Mr.Yogesh Jare (Lab. Attendant) accompanied the group.

An educational visit of the S.Y.B.Sc.students was arranged to College of Agriculture, Pune and Central Bee Research and Training Institute, Pune. Another visit was arranged to Fish-Seed Farm at Hadapsar. Prof.B.T.Kalbage took lead in organizing these visits. Four staff members accompanied the students.

An excursion tour of the T.Y.B.Sc. students was organised in February 2014, by Mr.Narendra Naidu and Dr.P.S.Kudnar. Sea coast animals at Malvan, Ratnagiri, Harne and Harihareshwar were observed and studied. Institutional visits included National Institute of Oceanography-Goa, Konkan Krishi Vidyapeeth, Dapoli and Marine Biology Research Centre, Ratnagiri. It was an enriching experience for the students.

In addition to this, at Ratnagiri, the students visited the birthplace of Lokmanya Tilak and the historical Patit Pawan Mandir of Veer Savarkar. This aroused a patriotic feeling in their minds.

All our teaching staff and our laboratory assistant visited Bio- Era at Tathavade, Chinchwad. This unique visit was arranged by the department at the beginning of this year to have a know-how of many new equipment purchased by our college in the recent past and also to get familiar with sophisticated instruments and techniques in advanced biology.

Workshops/Seminars/ Conferences

Mr.Narendra Naidu and Dr, P.S.Kudnar completed a Hands-on-Training programme in 'Advanced practicals in Molecular Biology', in September 2013 at Bio-Era, Tathavade.

Prof.B.T.Kalbage and Dr.Kudnar attended the workshop on 'Framing of F.Y.B.Sc. syllabus at H.V.Desai College, Pune.

Prof.B.T.Kalbage attended another workshop on 'Framing of S.Y.B.Sc. syllabus at Hutatma Rajguru College, Rajgurunagar.

Dr.Shinde was invited to deliver a talk on 'Taxonomy of Freshwater Invertebrates' on 8th March 2014 in a

workshop at B.P.H.E. Society's Ahmednagar College, Ahmednagar. He was also invited to speak in a workshop on Environmental education for school children at Vishva Nirmala Vidya Mandir, Jejuri, and 1st -2nd February 2014.

Dr.Shinde participated in the following Conferences:

- State level conference "Recent Trends in wildlife and its conservation" at KANMS Arts, Commerce and Science College, Satana, 20th -21st Sept 2013.
- "Taxonomy and ecology of freshwater zooplanktons: Theory and practice with emphasis on scientific manuscript preparation", Department of Zoology and Botany, University of Pune, India, 25-28 November 2013.

All members of the staff actively worked during the International Conference on "Environmental Conservation by Adopting new Technologies" (ICECANT 2014) organized by our college on 28th & 29th January 2014.

Mrs. R. S. Bhalerao was a member of the Felicitation Committee, Dr. P. S. Kudnar was member of the Stage Committee, Prof. B. T. Kalbage was member of the Organising Committee, Dr. Y. S. Shinde was a Committee member and Session rapporteur, Mr.N.M.Naidu was Chairman of Poster Committee and Coordinator for one session and Dr.Bhalerao was the Chairman of Poster Committee. Mr.Umesh Gore and the entire non-teaching staff of the department tirelessly worked for this event.

Activities carried out under UGC-CPE Scheme:

- For effective teaching during practicals, e-learning material was prepared. Departmental staff members and under-graduate 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.

LECTURE SERIES UNDER UGC-CPE SCHEME

Sr. No.	Date	Resource Person	Topic of Lecture
1	08/02/2014	Mrs. Manju Tadwalkar, CEO ,INORA, Pune	Waste to wealth
2	12/02/2014	Dr.Donald Paise, Asst.Dev .Officer, CBRTI Pune	Importance of Apiculture
3	14/02/2014	Dr. R. L. Palimkar, Govt. Central Hatchery, Pune	Business opportunities in Poultry Science
4	15/02/2014	Dr. Nitinkumar Ranshur, (Associate Professor), College of Agriculture, Pune	Importance of Physicochemical testing of soil.
5	17/02/2014 04/03/2014	Dr.H.V.Ghate, (retd.Associate Professor)	Important aspects of Evolution Microtechnique-Dos and Dents
6	04/03/2014	Dr.Manisha Modak, (Associate Professor), S.P.College,Pune	Recent trends in Molecular Biology
7	06/03/2014	Dr.S.J.Thatte, (retd.Associate Professor)	A few interesting facts in Mammalian physiology

- Environmental awareness programs were also arranged under extension activity. Guest lecture and film show arranged on Vasundhara day. Departmental staff member viz. Prof. B.T. Kalbage, Dr. P.S. Kudnar and Dr. Y. S. Shinde visited large water bodies and rivers present in Pune along with under graduate students for water and soil analysis to understand their pollution status.
- Guest lecture of Mr. Vinayak Kelkar, PRAJ foundation, Mr. Abhijit Deshmukh of Sai Samartha Seva and Dr. Mrs. Manju Tadwalkar, INORA, were also arranged on urban waste management training for the benefit of UG students.
- Our departmental staff- Junior / Senior/ Lab. Assistant/ Lab. Attendants also visited four different schools of slum area for the guiding students about public health and hygiene. Our staff members Mrs. Renu Bhalerao and Mrs. Ashwini Deshkar took active part in this program. Our Lab. Assistant Mr. Umesh Gore; Lab. Attendants Mr. Yogesh Jare and Mr. Atul Kanhere helped them in the arrangement of the effective informative activity of Poster - exhibition.

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
7.	09/01/2014	Dr. R. R. Bhonde	Magic of Stem Cells
8.	01/02/2014	Dr. Kamallesh Chavan	Snakes and Tips for Jungle Trail (Talk on field at Dhamapur Jungle)
9.	12/02/2014	Dr. Bhuvanesh Awasthi	Neurobiology and Epigenetics

ZOOVISION – A unique exhibition

More than 160 students in 28 groups worked under the guidance of Mrs. V.Chabukswar, Mrs. A.S. Deshkar, Mrs. R. S.Bhalerao, Dr.A.A.Babrekar, Prof.R.R.Gaikwad, Dr.Y.S.Shinde, Dr.P.S.Kudnar, Prof.B.T.Kalbage, Mr.N.M.Naidu and Dr.Bhalerao for the unique exhibition ' ZOOVISION' organized by our department.

Posters, static models and working models were enthusiastically prepared by the students. Topics had a wide

range covering Animal diversity, Anatomy, Physiology, Evolution, Fossils, Apiculture, Insect Pests, Sericulture, Vermiculture and several other areas of Life-Sciences.

Vice-Principal Prof.S.R.Chaudhari inaugurated the exhibition. Principal Dr.R.S.Zunjarrao, other staff members and many students visited the exhibition. School children from P.E.Society's Modern High School (English medium, Marathi medium and the Girls' School) also paid a visit. The young children were very thrilled and had very nice interaction with the student volunteers.

Prof. B. T. Kalbage worked as Coordinator for ZOOVISION. Our laboratory assistant Mr.Umesh Gore; Laboratory attendants Mr.Gopal Daundkar, Mr.Laxman Adagale, Mr.Atul Kanhere and Mr.Yogesh Jare whole-heartedly helped in this activity.

Special Visits/Trips

A one-day trip of the T.Y.B.Sc. students was organised to Phulgaon the village adopted by NSS of our college. The sole purpose of this visit was to study the **Biodiversity** of this village. Prof.B.T.Kalbage, Dr.Kudnar, Dr.Shinde and Mr.Narendra Naidu accompanied the students.

Our F.Y.B. Sc. students and staff visited the school students of a school near Pawanagar in a small village named Yelse. Our students explained to the children importance of proper food habits and exercise, communicable diseases, environmental pollution issues and related information with the help of banners. This programme was highly appreciated by the teachers of that school and the members of the Gram Panchayat.

Quiz Contests:

In the month of December 2013 a quiz named **ZooQuiz**, based on undergraduate Zoology syllabus was conducted. A written quiz was held for elimination and then the Team event was conducted. Four teams consisting of four members each entered the Final Round. The results were as follows:

Winner Team – Darwin:

1. Apoorva Shetty
2. Aniket Phadtare
3. Purnima Gupta
4. Bhakti Singh

Runners up Team – Mendel:

1. Rucha Kelkar
2. Pallavi Dorge
3. Vaishnavi Wagh
4. Rutja Ghorpade

Third Position – Linnaeus:

1. Sarangi Gokhale
2. Pranav Kolangade
3. Manisha Hande
4. Priya Kumari

Later in February 2014, upon initiative of a few Life-Science students a special inter-disciplinary **Inter-Departmental General Quiz** was organized by the Zoology Association of our department. Twenty one teams (three members each team) participated. Two elimination rounds were held and three teams qualified for Finals.

The results of this quiz were as follows:

Winner Team:

1. Anish Thorat (S.Y.B.Com.)
2. Vikram Mahapatra (S.Y.B.Com.)
3. Sagar Patil (S.Y.B.Sc.)

Runner up Team:

1. Anurag Nambiar (S.Y.B.A.)
2. Mihir Tokekar (S.Y.B.A.)
3. Shailendra Gaikwad (S.Y.B.A.)

Third Position:

1. NISHAN Mijar (F.Y.B.Sc.)
2. Gaurab Dey (F.Y.B.Sc.)
3. Abin Abraham (F.Y.B.Sc.)

Student volunteers who worked hard for this activity were: Supriya Belhekar, Monica Belhekar and Nishan Mijar. Sarangi Gokhale and Utkarsha Sonawane were Score Keepers, Rucha Kelkar was the Evaluator, Sumeet Pandit was the Technical operator and Parth Vittekar was the Quiz Master. The entire event was very exciting.

Mr.Narendra Naidu was the Coordinator of both these events, assisted by Dr.Y.S.Shinde, Mrs.Renu Bhalerao and other staff members under the guidance of Dr.Bhalerao.

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.

Our staff members too, conducted a couple of lectures and practicals for the students of Biotechnology and also Agro-Biotechnology.

Special Workshop on Microscopy

A two-day workshop on Microscopy was organized by our department in collaboration with the Department of Zoology, University of Pune, on 22nd and 23rd Feb 2014, exclusively for the F.Y.B.Sc. students.

Dr. B. B. Nath, Professor and Head of the Department of Zoology, University of Pune conducted this workshop very effectively. He exhaustively brought home all technical details of all sorts of 'Microscopy' in a very lucid and simple manner. The participants were overwhelmed by the information and the hands-on-training they received in these two days. His research students Mr. Rahul Gaikwad and Ms. Pallavi Gaikwad also conducted few practical sessions during the workshop.

Principal Dr. R. S. Zunjarrao and Vice-Principal S. R. Chaudhari met the participants and interacted with them informally during the workshop.

The sessions of the second day were conducted at the Department of Zoology, University of Pune.

It is for the first time that such a type of Workshop was conducted for under-graduate students of any college by the University department and that too in their premises.

Mr. Narendra Naidu was the Coordinator of this special workshop and was assisted by Dr. P. S. Kudnar. All the non-teaching staff was very cooperative.

Mr. N. M. Naidu was deputed by the college authorities to accompany Vice-Principal Prof. Chaudhari for the presentation of DBT-Star College Scheme, at New Delhi.

Current activities of the Post-Graduate Research Centre (PGRC):

- Prof. Rahul Gaikwad participated in "Avishkar" competition, University of Pune. 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, University of Pune
- Prof. B. T. Kalbage registered for Ph.D. under University of Pune

Integrated Vermitechnology Training Course:

Our department in collaboration with Institute of Natural Organic Agriculture (INORA) and PRAJ Foundation conducted this Skill Development Certificate Course this year too.

Two batches successfully completed the training course. The course for the first batch started in August 2013 and for the second batch in January 2014.

The course included Field Visit for both the batches. The INORA experiment station at Daravali was the main destination. In addition, this included visits to individual bungalows, Vermicompost units in large residential complexes, INORA office at Bavdhan, Vermicompost unit at IISER, Pashan, Biogas Plant at Bavdhan and another new Biogas Plant at Kolwan, Taluka Mulshi.

Mr. Vinayak Kelkar, Chief Programme Officer of PRAJ Foundation, Ms. Manjushree Tadvalkar, Managing Trustee of INORA and other members of INORA Know-How Foundation contributed to this course. One and all teaching and non-teaching staff members of the department were actively involved in this activity.

Students working under the Earn and Learn Scheme helped maintenance of the Vermicompost Unit of our college. Mr. Narendra Naidu was the Coordinator of this course assisted by Prof. B. T. Kalbage.

Co-curricular :

Mr. Narendra Naidu was a Resource person for two sessions in the 'Ornithology' course by conducted ILA Foundation and Abasaheb Garware College, Pune. He was also a resource person in the 'Biodiversity' course conducted by an NGO named Jividha.

Extra-curricular :

Our laboratory assistant Mr. Umesh Gore was awarded the "Yuva Gaonthan Shaishanik Paritoshik" by Jeshth Nagarik Sangh, Shivajinagar, Pune.

Mrs.Renu Bhalerao passed the 'Sangeet -Visharad' examination in Classical vocal music with a First class.

Mr.Narendra Naidu was invited by YASHADA, Pune to address Government officials on 'Communication Skills'. He was invited as a Chief Guest for the Inauguration of NSS Junior wing of Modern High School, NCL, Pashan and also to Jnana Prabodhini Gurukul, Chikhali for Prize Distribution Ceremony. At Sevasadan school he spoke on 'Symbolism of Ganesh' and on 'Baba Amte and Anandwan' in a Senior citizens' club, Gultekdi, Pune.

On account of Swami Vivekananda's 150th Birth Anniversary he was invited in various schools,colleges and Rotary clubs to deliver talks on 'Swami Vivekananda- Life and Teachings'. The most note-worthy programmes were his participation as one of the Invited speakers at the Youth Symposium, organized by Ramakrishna Math,Khar and as an Invited Speaker to deliver a 3-day Lecture series at Ramakrishna Math,Pune.

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 the T.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.

Dr. A. M. Bhalerao

Head

Prof.P.S.Varade

Prof.Mrs.Shubhangi Puranik

NSS Programme Officer

Library

Date: 28.03.14

This year library has added **2162** books in the library during 1st April 2013 to 31st March 2014. Now there are **94189** books in the library.

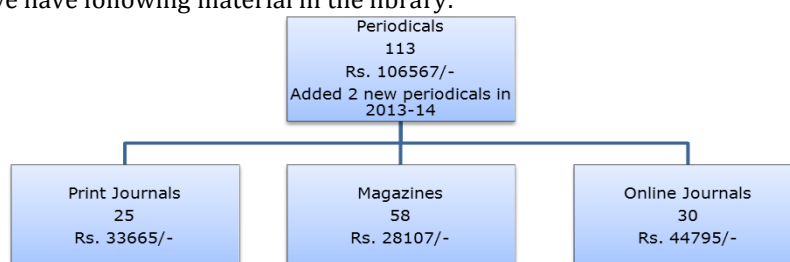
Books added under different grants/budgets:

1. Jr. Wing - 192
2. Donation - 268
3. Non-Grant - 417
4. Sr. Wing - 1285

We are grateful for the **donation of 173 books given by Honourable Chairman Dr. G. R. Ekbote** on the occasion of his 60th birthday. These books are selected and useful for our staff and students.

We are thankful for the **donation of books** from: Dr. Ghate H. V., Dr. Thatte Sushma, Shri. Kulkarni Ajit, Shrimati Vangikar Meena, Shri. Chivate Prasad, Shrimati Agasar Vasanti, Shri. Haldar Hrushikesh, Sanskruti Jagaran Mandal, Mrs. Mhaiskar Sudha, Shri. Desai Ashok, Mrs. Sonis Seema, Atharva Prakashan 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.

Departmental Libraries Details:

Sr. No.	Department	No. of Books
1	Animation	59
2	BBA	106
3	BCA	243
4	Biotechnology & Microbiology	737
5	Biotechnology (BCUD / MRP)	45
6	Botany	217
7	Botany (BCUD / MRP)	76
8	Career Guidance Centre	246
9	Chemistry	92
10	Chemistry (BCUD / MRP)	60
11	Commerce (BCUD/MRP)	4
12	Computer Sc. (BCUD/ MRP)	42
13	Computer Science	4137
14	Economics (BCUD / MRP)	35
15	Electronics	244
16	Electronics (BCUD / MRP)	57
17	English (BCUD / MRP)	18
18	Geography	382
19	Gymkhana (BCUD / MRP)	29
20	Ladies Room	150
21	Microbiology (BCUD / MRP)	11
22	Physics (BCUD / MRP)	15
23	Psychology	26
24	Statistics	314
25	Zoology (BCUD / MRP)	24
	Total Books Issued to Department	7369

This year **Saraswati Pooja & Book Exhibition** of newly purchased books was held on 11th October 2013 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.

68 students availed the **book bank facility** from the library in the year 2013-14.

In the **ladies room** of college, 150 books related to ladies counseling and general awareness are kept for the girl students.

Books related to **competitive exam** has been separately kept in a hall which remains open till 12.00pm. Mr. Telke looks after these books.

Digital library facility has been started for staff & students.

Every Saturday except examination period library displays books of general reading for students.

This year many well-known personalities visited our library:

Sr. No.	Name	Post
1.	Dr. S. G. Mahajan	Retd. Librarian, University of Pune
2.	Dr. Mukund Sangoram	Editor, Loksatta
3.	Dr. Arvind Shaligram	Head of the Department of Electronics, University of Pune
4.	Dr. Nitinkumar Ranshur	Associate Prof. Agriculture Collge
5.	Dr. Benny Sebastian	Head of the Department of Electronics, Christ University, Banglore
6.	Prof. Ram Chandra	Head of the Department of Microbiology, Babasaheb Ambedkar Central University, Lucknow.

Library Activities during 2013-14

- Digital Library Inauguration:** Inauguration of Digital library, library website and library e-bulleting 'ModLib' was done on 31st July 2013; by honorable Chancellor, Tripura Dr. D. Y. Patil. Chairman of our progressive education society, Dr. G. R. Ekbote, Vice Chancellor, University of Pune Dr. W. N. Gade, Progressive Education Society Secretary, Prof. S. S. Deshmukh, College Principal Dr. R. S. Zunjarrao and all staff members and invitees were present for this memorable event
- Retirement of Shri. B. D. Gutte:** Shri. Gutte retired on 31st July 2013 after 33years of his service in our library.
- Lecture on **"use of library resources for enriching your studies"** by Dr. S. G. Mahajan retired Librarian, University of Pune was organized for B.Sc. students in the library on 24/9/2013.
- Zoology, Electronics, Psychology, Mathematics students visited library to get information about digital library and e-resources.
- XIth Arts (History) students** visited library to know about encyclopedias and dictionaries in the library.
- On 5th & 6th February 2014, two days training workshop for library support staff was organized by Library Department of Modern College of Arts, Science & Commerce, Shivajinagar, Pune 411005.



This workshop was organized for library staff of all schools & Colleges working under Progressive Education Society. The Objective of this workshop was to make participants aware of the new developments in the field of library science, take care of library resources and at the same time give better services to their readers. 15 participants participated in this workshop. Dr. Vandana Shelar, Librarian, Abasaheb Garware College was the chief guest and delivered a lecture on "Challenges before Academic Libraries". Retired Principal A. G. Gosavi was the Chairperson for this workshop.

Birth Anniversary of great national leaders and thinkers declared in Government of Maharashtra list is celebrated in the library. This includes:

Sr. No.	Name of the leaders and thinkers	Date
1.	Dr. Babasheb Ambedkar Jayanti	14 April 2013
2.	Shahir Annabhu Sathe Jayanti	1 August 2013
3.	Maharshi Valmiki Jayanti	18 October 2013
4.	Vallbhbbhai Patel Jayanti	31 October 2013
5.	Indira Gandhi Jayanti and National Integration Day	19 November 2013
6.	Sanvidhan Divas	26 November 2013
7.	Krantijyoti Jayanti	3 January 2014
4.	Chhatrapati Shivaji Maharaj Jayanti	19 February 2014

Congratulations!!!



- Library attendant Shri Tanaji Jadhav received this year's **"Guruvarya Shankarrao Kanitkar Best Employee Award"**.



- Librarian Mrs. M. S. Datre received **"Dnyankoshkar Ketkar's best librarian award"** for 2014 from Pune Nagar Vachan Mandir, Pune. This award was presented to Mrs. Datre by well-known Marathi film director Shri. Rajdatta on 7th February 2014 on 166th Foundation day of Pune Nagar Vachan Mandir, Pune.

Department of Physical Education

Departmental Activities:

Intercollegiate Participation:

Department has participated in 29 disciplines i.e. Badminton, Chess, Cross Country, Shooting, Swimming, Ball Badminton, Baseball, Basketball, Cricket, Cycling, Gymnastics, wrestling, Kabaddi, Football, Handball, Volleyball, Hockey, Judo, Boxing, Softball, Pw Lifting, 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 1st place in Kho-Kho (W), Korfball, Netball (M/W), Second Place in Volleyball (W) and Third place in Handball (M), Softball (M), and Baseball (M). College Students have also bagged various medals in individual events.



**Inter Collegiate Men's Netball
Winner team**

Details of the participation is are follows,

Sr.No.	Level of Participation	Participation	Bronze	Silver	Gold	Total
1	District/Intercollegiate	192	25	8	16	241
2	State/Interzonal	9	2	8	13	32
3	National	19	-	1	-	20
Grand Total		220	27	17	29	293

Interclass Competitions:

Interclass competitions for the promotion of the certain games and entertainment purpose were organized from 27th December 2013 to 8th January 2014. Football, Basketball, Volleyball, Badminton, Table Tennis and Chess were the events organized during this period.

Team Event Performance:

Inter Class Basketball	Inter Class Football	Inter Class Volley Ball
1st Place (Fybcom C)	1st Place (Sybcom B)	1st Place (Sybcom B)
Sanket Gurav	Tejas Bomble	Sachin Shinde
Akshay Takalkar	Rohan Pushpraj	Oswal Vrushab
Ashwin Mehendale	Tushar Tambat	Omkar Kotalkar
Omklar More	Vinay Nayar	Rohit Kotalkar
Ashitosh Gaikwad	Anshul Ojha	Tushar Tambat
Aniket Khude	Nachiket Rakhelkar	Rohit Jadhav
Nikhil Jog	Akshay Bhalerao	Rohan Kaushal
	Sachin Shinde	Aniket Palande
2nd Palce (Sybcom)	2nd Place(Tybcom A)	2nd Place (Tybcs)
Sachin Shinde	Ganesh Kale	Tushar Jadhav
Oswal Vrushab	Abhishek Gosavi	Sachin Jagtap
Omkar Kotalkar	Amar Rakshe	Abhishek Gaikwad
Suraj Alhat	Pradeep Dolas	Ashish Kambhar
Surendra Singh	Shekar Pawar	Jayesh Jain
Rohit Kotavle	Shahrukh Shekh	Vishal Chichle
Tejas Bomble	Kunal Sable	Prashant Jachak
Tushar Tambat		Pradeep Jangid
		Vruchir Patil
		Rahul Iyer
		Akshay Bahirat
3rd Place(Tyba)	3rd Place(Fybcs)	3rd Place (Fyba)
Ganesh Kale	Kartik Naik	Yogesh Vaghmare
Abhishek Gosavi	Advay Th	Akshay Salunkhe
Amar Rakshe	Karan S	Ajinkya Jadhav
Shahrukh Shekh	Aniket T	Pruthviraj Chavan
Pradeep Dolas	Vaibhav S	Akshay Darekar
Kunal Sable	Chetan P	Rushikesh Naik
Shekar Pawar	Prasad P	Swapnil Pardi
	Advait T	Sagar Kamble
		Riyaj Makandar
		Pranav Jagtap

Individual Event Prize winner:

Sr. No.	Name of the Player	Class	Event	Performance
1	Shamali Mahajan	11th	Badminton Single (W)	First Place
2	Prerna Chandekar	11th	Badminton Single (W)	Third Place
3	Aditya Gunjal		Badminton Single (M)	First Place
4	Nikhil Dhure		Badminton Single (M)	Second Place

Football League:

For Third Consecutive year we organized Football League Successfully. Students from Junior And Senior wings played and organized the events together. Eight teams each containing at least Eight players from Junior And Senior wings each played for their respective teams. Titanium and Play Makers bagged the Winner and Runners up titles respectively.

Winner Team (Titanium)		Runner Up Team (Play Makers)	
Shubham Mahale	Vaibhav Chavan	Ganesh Kale(C)	Sagar Ghare
Sumit Bhandari	Vicky Singh	Aniket Kand	Shanrukh Shaikh
Aniket Kokate(C)	Saurabh Gayal	Apoorv Kadam	Amit Rakshe
Amol Ghadge	Akash	Siddhesh Khamka	Pawan Patil
	Tushar Tambat		Akshay Lalbighi

Hockey League (M/W):

Our College organized Hockey League for the first time this year. Students from Junior and Senior wings (M/W) were played and organized the events together. Eight teams each containing at least Six players from Junior And Senior wings each played for their respective teams.

Hockey League			
Winner (M)	Runner Up	Winner (W)	Runner Up
Sourabh Thombare	Girish Pujari	Sudha Kanhurkar	Neha Pawar
Swapnil Kuchekar	Anikrt Uttarkar	Mamata Chejara	Meenal Shukla
Nikhil Goellu	Siddhesh Uttarkar	Snehal Palkar	Suchita Palkar
Abhishek Vartak	Edwin Anthony...	Tejaswini Bagade	Sayali Jachak
Rushi Sarolkar	Prasad Palande	Salomi Chandekar	Sindhuja K P
Ritesh Rathod	Prathamesh Ghodke	Komal Gadkar	Ashlesha Nimbalkar

Coaching Camp:

College organized special coaching camps for Softball to enhance the skill and strategic development of the players. These efforts gave results by placing college teams in good position in Intercollegiate Competitions.

Sports Organization:**Intercollegiate Korfball:**

A Korfball competition was organized on 3rd January 2014. Modern College, Shivajinagar, Pune-05 lifted the championship trophy proudly. Tournament was inaugurated at the hands of our Principal Dr. R.S. zunjarrao.

Interzonal Basketball (W):

Interzonal Basketball (W) tournament was organized by our college on 17th and 18th October 2012. Chief Guest for the opening ceremony was Mrs. Anjali Dalavi, Arjun Awardee and the tournament was inaugurated by Principal Dr. R.S. zunjarrao. Four teams from Pune University i.e. Pune City, Pune District, Ahemadnagar and Nashik participated. Pune city won the title.

Interzonal Cycling:

Interzonal Cycling competitions were organized by our college at Shiv Chhatrapati Stadium, Balewadi on 20th September 2013. Four teams from Pune University i.e. Pune City, Pune District, Ahemadnagar and Nashik participated in the track events. Dr. Deepak Mane, Director of sports, Pune University inaugurated the event.

Interzonal Korfball:

Interzonal Korfball tournament was organized by our college on 17th and 18th October 2012. Chief Guest for the opening ceremony was Prof. Prakash Dixit, Joint Secretary P.E.S's and the tournament was inaugurated by Principal Dr. R.S. Zunjarrao. Four Teams from Pune University i.e. Pune City, Pune District, Ahemadnagar and Nashik participated. Pune District won the title.

Modern Harmony 2013-14:

Modern Harmony 2013 Sports Festival was organized from 12th January to 25th January 2014. Festival started on 12th January 2013 with Volleyball, Five-a-Side Football and Best Physique competitions were organized in this festival.

Kanitkar Sports Festival 2013-14:

Kanitkar Sports Festival was organized from 3rd February to 13th February 2014. Chief Guest for the opening ceremony was Mr.V. B. Gaikwad (BCUD Director, university of pune) & Dr. Deepak Mane, Director of sports, Pune University inaugurated the event. Our College Players Participated and the result were as follows : Volleball(M)- 1st Place, Volleball(W)- 2nd Place, Basketball (M/W)- 2nd Place, Football(M)- 1st Place & Staff member also participated and the result were as follows : Dodgeball (W)-1st Place , Throwball (W) - 1st Place, Cricket (M)- 1st Place ,Volleyball (M).

State level Softball tournament:

For the first time we organized State level Softball tournament. This was organized between 31st Jan and 1st Feb 2014. Chief Guest for the opening ceremony and the tournament was inaugurated by Principal Dr. R.S. Zunjarrao. Teams from Mumbai, Indapur, Pune were participated in this event. S.P College, of Pune won the title, second place went to Atharv College Of Engg. Mumbai and Modern College, Shivajinagar, Pune, stood third.

Fitness Assessment of the College Staff:

Fitness assessment of the staff members was conducted on 19th January 2013 for the BBA/BCA staff, on the occasion of National Youth Week celebration.

Training Programme on Movement Mechanism & Yoga for College Staff:

Training Programme on Movement Mechanism & Yoga for College Staff was conducted on 15th March 2014 for the BBA/BCA staff.

Sports Scholarship:

This year following National players received the Sports Scholarship;

Sr. No.	Name Of The Student	Event	Amount Sanctioned (Rs.)
1	Deepali Gaikwad	Kho-Kho	1500
2	Pratima Nimbalkar	Kho-Kho	1500
3	Rohan Joshi	Chess	1500
4	Trunal Dhadge	Netball	1500
5	Atul Daundkar	Netball	1500
6	Siddhi Bhaip	Shooting	1500
7	Sayali Kardekar	Volleyball	1500
8	Supriya Borchate	Shooting	1500
9	Pavitra Pawar	Kick Boxing	1500
10	Kirti Kadam	Kho-Kho	1500
11	Priyanka Patil	Kick Boxing	1500

Annual Prize Distribution "Gymkhana Day":

Annual Prize distribution i.e. "Gymkhana Day" was celebrated on 28th February 2014. Deputy Director, Sports & Youth Services, Maharashtra State Mr. Janak Tekale & International Athletics player Mr. Krishnkumar Rane were the chief guests and Principal Dr. Rajendra Zunjarrao presided the function. The prizes were distributed to the following players.

List of medal winners in 2013-14**Intercollegiate Level Performers:**

Name	Competition	Class-Branch	Title	Sport
1. Aniket Kude	Inter Collegiate Competition	F.Y.Bcom	Winner	Korfball
2. Anjali Ghundre	Inter Collegiate Competition		Winner	Kho-Kho
3. Anurag Nambiyar	Inter Collegiate Competition	S.Y.Ba	Winner	Netball
4. Bindiya Walmiki	Inter Collegiate Competition	S.Y.Bcom	Winner	Netball
5. Jonathan Ben	Inter Collegiate Competition	S.Y.Ba	Winner	Netball
6. Kiran Shirsath	Inter Collegiate Competition		3rd Place	Relay
			Winner	Kho-Kho
			Winner	Korfball
7. Poonam Kadam	Inter Collegiate Competition	T.Y.Bsc	3rd Place	Relay
			Winner	Kho-Kho
8. Shubhangi Shendage	Inter Collegiate Competition	F.Y.Bcom	Winner	Kho-Kho
9. Pradnya Chinchawade	Inter Collegiate Competition	F.Y.Bca	Winner	Netball
10. Priyanjali Khandave	Inter Collegiate Competition	F.Y.Bca	Winner	Netball
11. Sayali Bhalerao	Inter Collegiate Competition	F.Y.Bcom	Winner	Kho-Kho
12. Sayali Karape	Inter Collegiate Competition	S.Y.Bsc	Winner	Netball
13. Shamal Tapkir	Inter Collegiate Competition	S.Y.Bsc	Winner	Netball
14. Shruti Jagatap	Inter Collegiate Competition	S.Y.Ba	Winner	Netball
15. Swati Kokane	Inter Collegiate Competition	S.Y.Bcom	Winner	Kho-Kho
16. Upasana Choudhari	Inter Collegiate Competition	F.Y.Bsc	Winner	Kho-Kho
17. Kajal Saini	Inter Collegiate Competition		Runner Up	Volleyball
18. Anuja Telang	Inter Collegiate Competition		Runner Up	Volleyball
19. Kalyani Mahadik	Inter Collegiate Competition		Runner Up	Volleyball
20. Kshitija Dongare	Inter Collegiate Competition		Runner Up	Volleyball
21. Nikita Pavashe	Inter Collegiate Competition	T.Y.Bsc	Runner Up	Volleyball
22. Reena Dangi	Inter Collegiate Competition		Runner Up	Volleyball
23. Shubhangi Patil	Inter Collegiate Competition	S.Y.Ba	Runner Up	Volleyball
24. Sonali Pote	Inter Collegiate Competition		Runner Up	Volleyball
25. Aditya Zaware	Inter Collegiate Competition	M.A.	3rd Place	Handball
26. Ajinkya Hawaldar	Inter Collegiate Competition		3rd Place	Handball
27. Amit Mhetras	Inter Collegiate Competition	M.Com 1	3rd Place	Handball
28. Mahesh Agam	Inter Collegiate Competition		3rd Place	Baseball
29. Pradip Dolas	Inter Collegiate Competition	T.Y.BA	3rd Place	Handball
30. Prasann Deshamukh	Inter Collegiate Competition	S.Y.Ba	3rd Place	Handball
31. Pruthwiraj Chavhan	Inter Collegiate Competition	F.Y.Ba	3rd Place	Handball
32. Tushar Waral	Inter Collegiate Competition	S.Y.Bcom	3rd Place	Baseball
33. Uday Arekar	Inter Collegiate Competition	F.Y.Bba	3rd Place	Baseball
34. Vaibhav Kulkarni	Inter Collegiate Competition	F.Y.Bba	3rd Place	Baseball
35. Shubham Valunj	Inter Collegiate Competition	F.Y.Bcom	3rd Place	Softball
			3rd Place	Baseball
36. Sagar Jathar	Inter Collegiate Competition	F.Y.Bsc	3rd Place	Softball
			3rd Place	Baseball
37. Avinash Poman	Inter Collegiate Competition	S.Y.Bcom	3rd Place	Softball

			3rd Place	Baseball
38.Bajrang Dhere	Inter Collegiate Competition	F.Y.Bcs	3rd Place	Softball
			3rd Place	Baseball
39.Chetan Baramatkar	Inter Collegiate Competition	M.Com	3rd Place	Softball
			3rd Place	Baseball
40.Harshal Rathi	Inter Collegiate Competition		3rd Place	Softball
			3rd Place	Baseball
41.Prakash Patil	Inter Collegiate Competition	F.Y.Bcom	3rd Place	Softball
			3rd Place	Baseball
42.Mayur Kamble	Inter Collegiate Competition	F.Y.Bba	3rd Place	Baseball

Inter zonal/State Level Performers:

Name	Competition	Class-Branch	Title	Sport
1.Vikrant Jagtap	Inter Collegiate Competition	M.Com	3rd Place	Softball
	State		Participation	Baseball
2.Ajit Bhalariao	Inter Zonal Competition	T.Y.Bcom	Runner Up	Baseball
			Winner	Softball
3.Akshay Takalkar	Inter Zonal Competition	F.Y.Bcom	Winner	Netball
4.Akshay Walmiki	Inter Zonal Competition	F.Y.Bcom	Participation	Boddy B
5.Anju Yadav	Inter Zonal Competition	F.Y.Bsc	Winner	Netball
			Runner Up	Korfball
6.Kalyani Lonari	Inter Collegiate Competition	S.Y.Bcom	3rd Place	Relay
	Inter Zonal Competition		Runner Up	Kho-Kho
7.Karishma Manakar	Inter Zonal Competition	S.Y.BCA	Runner Up	Boxing
8.Mahadeo Jadhav	Inter Zonal Competition	F.Y.Bsc	Participation	W.L
	Inter Collegiate Competition		3rd Place	Handball
9.Manisha Barsawade	Inter Collegiate Competition	F.Y.Bcom	3rd Place	Relay
	Inter Zonal Competition		Runner Up	Kho-Kho
10.Mayur Dhamal	State	F.Y.Bcom	Participation	P.L
	Inter Zonal Competition		Winner	W.L
11.Neha Sapate	Inter Zonal Competition	S.Y.Bsc	Winner	Netball
			Runner Up	Korfball
12.Nidhi Bhutada	Inter Zonal Competition	S.Y.Bcom	Winner	Volleyball
13.Omkar Kotalkar	Inter Collegiate Competition	S.Y.Bcom	3rd Place	Softball
	Inter Zonal Competition		Runner Up	Baseball
14.Pavitra Pawar	State	S.Y.B.A.	Winner	Karate
			Winner	
15.Prachi Kurkute	Inter Zonal Competition	T.Y.Bcom	Winner	Netball
			Runner Up	Korfball
16.Pranav Zarekar	Runner Up	S.Y.Bcom		Kho-Kho
17.Priynka Patil	State	S.Y.B.A.	Winner	Karate
18.Rohit Kotavale	Inter Zonal Competition	S.Y.Bcom	Participation	Volleyball
Saddam Khanbhai	Inter Collegiate Competition	F.Y.Bcom	Winner	Netball
	Inter Zonal Competition		Runner Up	Korfball
19.Sandip Tambe	Inter Zonal Competition	Msc 1	Runner Up	Kho-Kho
20.Sanket Gurav	Inter Collegiate Competition	F.Y.Bcom	Winner	Netball
	Inter Zonal Competition		Runner Up	Korfball
21.Shashi Pillay	Inter Zonal Competition	T.Y.Bcom	Participation	Hokey
22.Shyam Tilekar	Inter Zonal Competition	F.Y.Mca	Participation	Judo
23.Teashri Kadam	Inter Collegiate Competition	F.Y.Bcom	3rd Place	Relay
	Interzonal Competition			Relay
24.Tejas Bomble	Inter Zonal Competition	S.Y.Bcom	Winner	Football
25.Vaibhav Balwadakar	State	S.Y.BBA	Participation	Baseball
	Inter Zonal Competition		Winner	Softball
26.Vicky Choudhary	Inter Zonal Competition	S.Y.BCA	Participation	Cycling
27.Vinayak Avati	Inter Zonal Competition	F.Y.B.A.	Participation	Gym.
28.Kalpesh Thomare	State	S.Y.BBA	3rd Place	Tackondo
29.Tushar Jadhav	State	T.Y.Bsc	Participation	Volleyball
30.Kirti Kadam	Ashwamedh	M.Com	Winner	Kho-Kho
31.Sayali Jachak	Inter Collegiate Competition	F.Y.Bcom	Winner	Netball
	Inter Zonal Competition			

National & Inter University Level Performers:

	Name	Competition	Class-Branch	Title	Sport
1	Siddhi Bhaip	All India Inter University Competition	F.Y.Bsc	Participation	Shooting
2	Sampada Telang	National	F.Y.Bsc C.S	Participation	Swimming
3	Rohan Joshi	All India Inter University Competition	T.Y.Bcom	Participation	Chess
4	Prashant Arsul	All India Inter University Competition	T.Y.Bcom	Participation	Handball
5	Pratima Nimbalkar	All India Inter University Competition	M.A.	Participation	Kho-Kho
6	Deepali Gaikwad	All India Inter University Competition	M.A.	Participation	Kho-Kho
7	Ashwin Mehandale	All India Inter University Competition	F.Y.Bcom	Participation	Netball
8	Amey Gayal	National	F.Y.Bcom	Runner Up	Swimming
9	Nikhilesh Nirupan	All India Inter University Competition		Participation	Football
10	Akash Zambare	Inter Collegiate Competition	T.Y.B.A.	Winner	Netball
		Inter Zonal Competition		Winner	Ball Badmiton
		All India Inter University Competition		Participation	Handball

11	Akash Barkul	All India Inter University Competition	T.Y.Bcom	Participation	Shooting
12	Aishwarya Shetty	All India Inter University Competition	T.Y.Bcom	Participation	Netball
		All India Inter University Competition		Participation	Korfball
13	Atul Daundkar	Inter Collegiate Competition	M.Com	3rd Place	Handball
		All India Inter University Competition		Participation	Netball
		All India Inter University Competition		Participation	Korfball
14	Sachin Shinde	Inter Zonal Competition	S.Y.Bcom	Winner	Netball
		National		Participation	Korf Ball
15	Salomi Chandekar	Inter Collegiate Competition	F.Y.Bcom	Winner	Korfball
		All India Inter University Competition		Participation	Netball
16	Sayali Kardekar	National	M.Com	Participation	Volleyball
17	Sudhanshu Medsikar	All India Inter University Competition		Participation	Badmiton
18	Supriya Borchate	National	F.Y.B.A.	Winner	Shooting
		All India Inter University Competition		Winner	
19	Swapnil Jarande	Inter Collegiate Competition		3rd Place	Softball
		Inter Collegiate Competition		3rd Place	Baseball
		All India Inter University Competition		Participation	Netball
20	Trunal Dhadge	Inter Zonal Competition	M.Com	Runner Up	Korfball
		Inter Zonal Competition		Winner	Handball
		All India Inter University Competition		Participation	Netball

Hearty Congratulations

State Government Shiv Chhatrapati sports award

2010-11	Mr. Sangram Chougule	Best Physique
2011-12	Miss. Kiran Pethe	Judo

Prof. Pratima Lonari
Director of Physical Education

Prof. Vikram Phale
Director of Physical Education

Prof. P. G. Dixit
Chairman GMC

