



*Progressive Education Society's*

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

Shivajinagar, Pune 411005, Maharashtra, India

- ⦿ 'College with Potential for Excellence', UGC, 2011.
- ⦿ NAAC Re-accredited with 'A' Grade, 2010.
- ⦿ 'Best College Award', UoP, 2008.
- ⦿ Permanently affiliated to Pune University.

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## **Annual Report 2011-2012**

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

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Modern College of Arts, Science & Commerce, Shivajinagar, Pune-5 was established in 1970 as the first senior college of Progressive Education Society. This institution was 'a-dream-come-true' of the two visionary educationists; founders of P. E. Society - Late Shankarraoji Kanitkar & Late V. T. Tatake. Seeing the grand success of this institution, I feel that this college has reached a glorious destination today, and it will keep on achieving milestones in future.

Modern College which has been honoured with Best College Award by University of Pune & recently re-accredited with A grade by NAAC, has organised various academic, co-curricular & extra-curricular activities during this academic year 2011-2012. Seminars at State & National Levels, the beginning of a Certificate Course in German, International Seminar in Business Opportunities in Life Sciences, construction of state-of-the-art new administrative building, establishment of Virtual class-room and digital class rooms have been some of the note-worthy achievements during present academic year.

Here, I am proud to mention that the College has been awarded with C.P.E. status (College with Potential for Excellence) by UGC, New Delhi. This is certainly a feather in the cap of "Team Modern".

I give full credit for all these commendable achievements to the leader of "Team Modern" Dr. Rajendra Zunjarrao and local managing committee of this college. This college is monitored by Local Managing Committee which consists of senior educationists like (i) Prof. P. S. Chirputkar, (ii) Prof. Dr. A. K. Pande, (iii) Prof. Mrs. J. G. Ekbote.

The Vice-Principals viz. (i) Prof. S. S. Deshmukh, (ii) Prof. S. R. Chaudhari, (iii) Prof. Y. R. Waghmare, (iv) Prof. Mrs. N. J. Kulkarni & (v) Prof. J. L. Jorwekar, have been assisting the Principal with positive attitude. I am happy to mention that all the members (Teaching & Non-Teaching) are responsible for the success and achievement of Modern College of Arts, Science and Commerce, Shivajinagar, Pune-5.

As I always say, Modern College is an "ASSET" to P.E. Society as well as University of Pune. I wish the college & its staff my very best to become even a stronger ASSET in the future.

I express my best wishes to the Principal, all LMC Members, the staff members and students of this "BEST" College of University of Pune.

With personal regards,

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

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

*Chairman,*

Business Council,

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

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

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I am indeed very happy to communicate with you all at the end of another successful academic year 2011-12. After being re-accredited with 'A' grade by NAAC in the year 2009-10, Modern College of Arts, Science & Commerce, Shivajinagar, Pune-5, has kept up its march along the path of success in every field.

University Grants Commission, New Delhi has given us unique status of 'College with Potential for Excellence' (CPE) in this academic year. This has accelerated the progress of the institution towards achieving excellence in its activities and infrastructure. Our students have done commendable work at all fronts. This is evident from the academic excellence, laurels in sports, commitment in NCC, NSS and achievements in cultural activities. The same must be said about the members of the staff, who, in addition to their regular duties in the College, always go an extra mile to bring about many-faceted development of our students' personalities and strive to enhance their own personal academic excellence through different means such as research, seminars, workshops, etc. All such attempts certainly add to the reputation of the College.

The highlight of this academic year has certainly been the '**International Conference on Business Opportunities in Life Sciences**' organized by us in the month of January 2012. The span of the academic year was dotted over with several other such seminars, workshops and academic events which contribute greatly to the career advancement of students. Such events are organized under **Quality Improvement Programme of University of Pune**. Several activities, which inspire students and the staff to undertake research and special studies, are being undertaken by us.

The College has started **Virtual Class Room, Digital Class Rooms, and Day Care Centre** in this academic year, **Biometric Attendance System** has been installed for the entire College staff, for which three machines have been set up at convenient spots in the campus.

I take this opportunity to thank the authorities of Progressive Education Society, and particularly **Prof. Dr. Gajanan Ekbote, Honorable Chairman, Business Council (PES)**, for the encouragement and guidance rendered by them.

I am sure this annual report will be useful to everybody as resource material to know the annual activities of the college in the academic year 2011-12.

**- Dr. Rajendra S. Zunjarrao**

**Principal**

*Modern College of Arts, Science & Commerce,*

*Shivajinagar, Pune - 5.*

## OFFICE

### **New Administrative Building:**

We are very much thankful to the Progressive Education Society, especially the Chairman Business Council, Hon. Dr. G. R. Ekbote for making available the newly constructed Administrative Building this year for the Office Administrative work. We are also very thankful to the Chairman Local Managing Committee Prof. P. S. Chirputkar, Dr. A. K. Pande, Principal Dr. R. S. Zunjarrao and Prof. S. S. Deshmukh for taking special efforts for providing advanced techniques, new furniture including Air Conditioners in the new administrative building. Special thanks for providing separate additional space for the accounts section of the office.

### **VI<sup>th</sup> Pay To Non-Grant Staff:**

We are very much thankful to Dr. G. R. Ekbote, Chairman and all the Business Council Members of the Progressive Education Society. We owe our thanks to the Special contribution and efforts taken by Prof. P. S. Chirputkar, Dr. A. K. Pande, Prof. S. S. Deshmukh, Dr. R. S. Zunjarrao for strongly recommending and proposing VI<sup>th</sup> Pay Scale to the Teaching and Non-Teaching staff of the non-grant courses run by the P.E. Society and College. We are also thankful to special guidance and assistance given by Prof. S. R. Chaudhari, Vice-Principal for successfully handling the Budget and Calculation part of the VI<sup>th</sup> Pay proposal. Office Superintendent Mr. Renuse P. D>, Ms. Kulkarni S. S. and other staff from accounts and admin section also deserve appreciation for their efficient contribution.

### **CPE Status By UGC:**

We all are aware of the fact that, University of Pune has awarded 'Best College award to our college and the 'A' Grade was awarded by NAAC, Bangalore. This year under the able guidance of Principal Dr. R. S. Zunjarrao and the hard work of the committee members appointed and also the valuable contribution of all the teaching and non-teaching staff, UGC Delhi has awarded the status of College of Potential Excellence (CPE) and the Special Grant this year. We congratulate all the staff members concerned who took efforts in getting Special Grants from UGC like FIST etc., Grants from DST and University of Pune, which will help the college a lot in developments of all the Departments and in Infrastructural Development too.

### **Inaugural Function:**

On 1<sup>st</sup> July 2011 the Inaugural function of the New Administrative Building was organized by the P. E. Society and the College. The Inauguration was done by Hon. Education Minister Shri. Rajesh Tope, Minister of Education, Maharashtra State. The function was carried out successfully. The use of advanced technology such as Network and Internet facility used in administrative work, CCTV Camera System, use of Biometric Attendance System, Online Admission Process, Student's Database Management System and such other existing systems used by the administrative staff, was explained to Hon. Minister.

Two other important functions were also organized during this year. The first one was the Felicitation of Meritorious students from the institutes of P.E. Society organized in the month of July 2011. Prizes were awarded at the hands of Hon. Shri. Rajendra Darda, Education Minister, Maharashtra State. The other function was Inauguration of Virtual Class Room and Digital Class Room of the College at the hands of Hon. Shri. Vilasraoji Deshmukh, Minister for Science and Technology, Government of India. All these functions were organized and managed successfully with the help of Teaching and Non-Teaching staff of the college and under the able Guidance of Principal and Vice Principals of the College.

### **One Day Workshop – F.Y. Result System (Computer Software):**

We are thankful to the University of Pune, Examination Section for giving us an opportunity for conducting a one day workshop on Software for First Year B.A., B. Com., B.Sc., and B.B.A., B.C.A., B.F.T. Examinations. The workshop was Organized by Administrative Staff of the College on 13<sup>th</sup> March 2012. Large number of Participants from colleges of Pune City and Pimpri Chinchwad area were present for this workshop. Shri. Sathe Vitthal, Deputy Registrar (Exam.), University of Pune was the Chief Guest of the function. He explained the Policy of University of Pune for providing this software free of cost to all the Colleges affiliated to University of Pune. He also explained the need of such software to bring uniformity and accuracy in declaration of F.Y. Results. Principal Kakasaheb Mohite, Dean, Faculty of Science, University of Pune was also present for the function. He expressed his views for making available this software to all the colleges. Participants were welcomed by Principal Dr. R. S. Zunjarrao, Prof. S. S. Deshmukh, Secretary P. E. Society and Vice-Principal of the College also expressed his views about the software and the need for using such advanced, technology in the field of education. Shri. Gadekar D. B., Asstt. Registrar (Exams.) University of Pune was also present for the function. Prof. Lad from Hindustan Computers and his assistant gave a presentation and explained how to use the software for preparing the F.Y. Result at college level.

Guidance sessions (information lectures) were scheduled at the beginning of the academic year for the fresh students (freshers). All Heads of the Department and Chairman of various Committees gave the basic information about the various facilities, courses available in the college, NCC, NSS, Earn and Learn Scheme, Library, Gymkhana and General Administration.

The academic year 2011-12 was quite an eventful year. The routine administrative work was carried out smoothly due to the excellent co-operation of all the members of the staff. Newly appointed staff offered good co-operation in discharging the important responsibilities such as conduct of Central Assessment Programme (of Pune University), H.S.C. Board Examination, University Examinations etc. The work of recently started courses at Under Graduate Level, P.G. Level and P.G. Diplomas. (Courses like BBA, BCA, PG Course in MCA under Commerce and Post Graduate Diploma Foreign Trade etc.) was also carried out successfully. The staff is also ready and willing to carry out the Administrative work of newly proposed course i.e. B. Sc. Animation.

The Office Administration has recognized the entire activities of the office so as to render more effective service to the students and staff. The scheme for students Database Management "VRIDDHI" was installed from the academic year 2010-11. The proposed network will enable all the departments to share the office and Library data. The concerned staff has also completed the data entry work for the academic year. This year the University of Pune has taken the decision, that the colleges have to conduct all the First Year Exams and accordingly we have successfully conducted the first year exams in all respect. With the help of "VRIDDHI" Software we have conducted the F.Y. Examination of April and October 2011, including issuing the computerized Admit Cards and Marklists (preprinted) to students. Every things regarding the conduct of First Year Examination has been computerized using advanced techniques. Utmost care was taken for conducting the

examinations smoothly. The college has developed its own website which will also help a lot to present the various important aspects of existing and newly introduced courses for the world at large. The Principal, Vice-Principals and other committee members are always giving support for adopting advance technology for giving maximum benefits to the students and staff of the college. This year the decision has been taken to channelize the admission system properly from the academic year 2012-13. Efforts are being taken to setup such a system that the student taking admission will complete the entire admission process in a sequential manner such as checking of admission form and fee challa, payment of fees etc. At the same time he will also enter important details of admission on computer so as to get the Identity card immediately. It has also been proposed to get online Scholarship/Freeship forms filled at the time of admission only. This will save time of students and Staff.

Various activities, events organized during the academic year were also uploaded on the college web. The online admission process for First Year Computer Science Course is being successfully carried out, since last two years. It has been proposed from this year the online payment facility will also be made available for this course. This will avoid rush of students and parents during the admission period. Various forms like Admission, Cancellation T.C. were also made available on the website so that students save their time in standing unnecessarily in the queue for getting such forms. We also proposed to provide various facilities to students viz., availability of Railway concession form and such other forms on the college website, so that they can easily take printout of such forms at home and can directly come to the office for further processing. We wish to adopt online admissions for students, second year onwards, by which they can fill the details of admission form at home and submit it to the college on internet for further processing of admission. Special attention is being paid to provide better services to the students and staff viz., the work of disbursing Scholarships/Freeships to the students, refund of deposits to the students, by issuing direct pay orders in the name of students from separate bank accounts opened for the purpose.

Almost all the pending work of Provident Fund has been completed up to 2010-11 and the P.F. Slips were also distributed to the staff. The Service Books of all teaching and non-teaching staff of Senior and Junior College are also being updated. Various claims and disbursement of all the pending arrears of the staff, quick submission of the pension cases of retiring members of the staff, its follow-up, speedy settlement of Pension and P.F. cases, reimbursement of medical bills etc, are done. Efforts are also being made to achieve full computerization of the office work in coming future.

The Accounts Section is taking utmost care to complete all accounting work accurately and within stipulated time. Care is being taken to disburse all the amounts in time, received from the Government and other authorities. The internal audit of the college accounts as well as the Statutory Audit for the year 2010-11 has been already completed.

From last two years we are implementing the scheme introduced by University of Pune 'Earn and Learn Scheme' where the students are given opportunity to work and earn money. Accordingly maximum numbers of students from different classes are given chance to work either in the library, office or in different departments. Assistance from the students is also helpful in the respective departments for completing the work in time.

The office staff, inspired by its busy schedule and heavy work took part in various competitions, functions, State level, National and International level workshops and seminars in the year 2011-12. All the staff members have taken active part in carrying out their responsibilities for successful organization of International Seminar in Life Science organized by the college (Department of Botany) during January, 2012. In order to improve the efficiency of work some of them were also given Special Training.

Certificate Course in Tally was organized by the Department of Commerce during this academic year. Following staff members from the office have successfully completed the course. Mr. Vilas Lad, Ms. Kulkarni S. S., Ms. Patwardhan S. M., M. S. Khude Sonali and Ms. Shinde Smita.

Two days special Training course was also organized in the office to provide special training on Use of Vriddhi Software for preparation of F.Y. Result and Year-wise Maintenance of Students database. All the office Administrative staff was present for this training session.

The Workshop organized by CEDA on College Administration in general and how to maintain office record was attended by the following Staff members of the office: Mr. Renuse P. D., Mr. Chavan Sagar and Ms. Kulkarni S. S.

The yearly Junior College Teaching Staff Approval Workshop Organized by the Deputy Director of Education, Pune was attended by Shri. Renuse P. D., Shri. Gaikwad R. M., and Shri. Nilesh Nawale under the guidance of Prof. J. L. Jorwekar, Vice-Principal (Jr. College) and Prof. Bhome B. W. Supervisor, Junior College.

The duties assigned to the Teaching and Non-teaching staff of the college by the Election Commission and Pune Municipal Corporation regarding 'Janaganana and Corporation Election 2012' were also carried out successfully by the staff members concerned.

Workshop organized by the University of Pune at Annasaheb Magar Mahavidyalaya, Hadapsar on Eligibility of First Year Students was also attended by the following Office Staff: Shri. Jagtap K. S. and Ms. Patwardhan Swati.

The BCUD University of Pune, organized on day training programme on Promotion of Professors on the basis of CAS at PUMBA University of Pune. The various conditions, procedure and stages for giving promotions to Asstt. Professors, Associate Professors were explained in the workshop. Principal Dr. R. S. Zunjarrao, Vice-Principal Prof. S. R. Chaudhari, Registrar, Shri. R. P. Kale, Superintendent Shri. Renuse P. D. and Shri. Chavan Sagar were present for the workshop.

The workshop organized by the Department of Social Welfare in Bharati Vidyapeeth regarding disbursement of Government of India Scholarships and Freeships was attended by Shri. Sonawane Shivaji and Shri. Parde Indrajeet.

On behalf of Department of Social Welfare, Pune, during August, 2011 college had organized one day workshop in Assembly Hall of the College. Representatives of Colleges for Pune City were present for the workshop. The workshop was organized for giving information about the newly introduced E-Scholarships/Freeships and filling of online Government of India Scholarship forms. Principal Dr. R. S. Zunjarrao welcomed all the participants present for the workshop. Shri Suresh Kambale, Director Social Welfare was the Chief Guest for the workshop. He explained the Scheme of E-Scholarship and the procedure to be followed by the colleges for submitting the scholarship proposal and Bills. Representatives from Mastech (Software Developers) were also present for this workshop to solve the difficulties regarding E-Scholarships. Mr. Alkunte, Mr. Pol, Mr. Salunke and Ms. Rasal from the Department of Social Welfare were also present for the workshop. Staff of the college looking after Scholarship/Freeships was also present for the workshop.

The staff provided an able support in organizing important events of College such as conducting the Senior and Junior College Interviews arranged for selection of Teaching Staff, Annual Social Gathering, Prize distribution function, visits of the University and other committees and in organizing State Level, National and International Level seminars, various examinations viz. H.S.C. Board, University of Pune, C.A.P. of University of Pune, conducting SET/NET Exams., IIT JEE Exams., CET for Medical and Engineering XLRI Exams Jamshedpur, IIM Ahmadabad etc.

A special programme was organized by the Staff Academy of the college for eh Teaching and Non-teaching staff of our college on 'Meditation' by Prajapita Brahmakumari (Rajyoga Maditation) under the able guidance of Principal Dr. R. S. Zunjarrao and Prof. Ms. M. M. Satam, Chairperson, Staff Academy. The programme was very beneficial to the staff.

We must not forget to mention the efforts taken by the teaching and Non-teaching staff for preparation of various new activities and Short term Courses, one day workshops, lecture series and organization of exhibitions during the academic year 2011-12.

#### **Congratulation For Special Achievements:**

The members of the teaching and non-teaching staff and the students all deserve to be congratulated for the special achievements during the year 2010-11.

Congratulations to Mr. Tandale P. B., Lab. Asst. Department of Botany, Prof. R. N. Ingole, Teacher in Botany Jr. College and Prof. S. S. Thengadi, Department of Physics, Senior College for getting Meritorious Best Teaching/Non-Teaching Staff Award, P. E. Society, Pune-05 for the year 2010-11.

#### **We Welcome:**

Newly appointed/Joined Non-Teaching Staff. Ms. Sonali Khude as a Steno and Mr. Indrajit Parde promoted as Head Clerk (From Ganeshkhind College, Pune-53), Ms. Usha Nangare promoted as Senior Clerk (from Shivajinagar College, Pune-05) and Ms. Smita Shinde, Mr. Ingale Tushar who have joined in Accounts section of the college.

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

To Non-teaching staff appearing for various Board and University examinations and for their success in HSC and University level examinations.

#### **Best Wishes for he Retired Staff:**

Following members of the staff retired from the services after a long and eventful service to the college.

1. Smt. Pathak S. B. Jr. Clerk – 30/09/2011
2. Shri. Shendkar R. G. Lab Attendant Geography Department – 30/06/2011.
3. Shri. Katkar A. M. Lab Attendant Department of Botany – 31/07/2011.
4. Prof. Mehta S. K. Department of Commerce – 31/01/2012.
5. Mr. J. P. Chinchore Department of English Jr. College – 31/05/2011.
6. Mrs. Rajadhaksha K. B. Department of Mathematics Jr. College – 31/05/2011.
7. Mrs. Nargund V. S. Department of Commerce Jr. College – 30/09/2011.
8. Mr. Kulkarni R. V. Department of English Jr. College – 30/11/2011.
9. Mr. Vaishampayan S. Y. Department of Physics Jr. College – 31/03/2012.
10. Mr. Waikar S. A. Library Attendant – (Voluntary) from 01/09/2011.

#### **Retiring Staff:**

1. Ms. Abhyankar V. A. Associate Professor Department of Physics – 30/04/2012.
2. Mr. Jagtap K. S. Senior Clerk (Office) – 30/04/2012.

We wish our retiring colleagues happy prosperous and healthy retired life.

The Chairmen Local Managing Committee and Junior College Committee, The Principal, Visitor and Vice Principals constantly guided and 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 in respect of the 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 and Dr. Y. R. Waghmare with respect to accounting work was beneficial to the accounting staff. The office staff expresses their gratitude towards them.

- Mr. R. P. Kale, Registrar

## **Department of Biotechnology**

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

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

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

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. Sangeeta Vijay Bhagat	M.Sc,M.Phil,Ph.D (Biochemistry)	Head of the Department	Biochemistry	12	-
Dr. Rebecca Sandeep Thombre	M.Sc., Ph.D. (Microbiology) SET. (Life Sciences)	Assistant Professor	Microbiology	8	-
Dr. Shubhangi Sanjay Puranik	M.Sc., Ph.D. (Zoology)	Assistant Professor	Zoology	3	-
Mrs. Rama Mandar Phadke	M.Sc., SET (Biotechnology)	Assistant Professor	Biotechnology	8	-
Dr. Geetanjali Madhusudan Litake	M.Sc., Ph.D. (Medical Microbiology)	Assistant Professor	Medical Microbiology-	1	-
Prof. Ravi L Dabhade	M.Sc., NET, GATE (Biochemistry)	Assistant Professor	Biochemistry	1	-
Dr Sangeeta Sathaye	M.Sc., Ph.D. (Biochemistry)	Assistant Professor	Biochemistry, Plant Biotech	1	-

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

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

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

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

B.Sc. Biotechnology: 17: 1  
M.Sc. Biotechnology: 16: 1

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

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

Technical	Sanctioned	Filled
Class 3	1	1
Class 4	4	4

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

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

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

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

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

- 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

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

- National committees
- International Committees
- Editorial Boards

Nil

**21. Student projects****a) 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

**b) 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

**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**
  - 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

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

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

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

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

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

**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

## 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

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

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

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

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

Students receiving government scholarship

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

Other Scholarships:

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

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

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

In addition to traditional methods of teaching,

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

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

**Strength**

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

**Weakness**

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

**Opportunities**

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

### Challenges

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

### Future Plans

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

### Departmental Activity:

The department of biotechnology conducted academic and other activities smoothly in the year 2011-2012. In addition to classroom teaching students of F.Y.B.Sc to M.Sc II were exposed to applied work by going to nearby institutions through planned visits. Campus interviews were conducted by various companies for M.Sc. students in consultation with Placement cell of the college. Six students were placed in 'Symphony'. The various achievements of staff members and students in the year are as follows.

#### 1) Dr. Sangeeta Bhagat

1. Working as a Principal Investigator on project UGC/MRP, entitled as "Antiglycation and antioxidant properties of Broccoli extract, possible role in prevention of diabetic complications". Funded by UGC for the year 2009-11.
2. Successfully completed 'Animal Tissue culture' course conducted by MCCG Modern College, Shivajinagar, Pune-5
3. Resource person for MKCL workshop during 9<sup>th</sup> -14<sup>th</sup> May 2011
4. Attended faculty improvement program of Academic Staff College at T.C. College, Baramati from 10 - 16 Oct 2011.
5. Attended seminar in Biotech prospectus on 17<sup>th</sup> Oct 2011 at MITCON
6. Participated in twin workshops on "Genes to Genomes: bioinformatics approaches (G2G)" during December 12 -15, 2011 under the Centre of Excellence program funded by Department of Information Technology (DIT), Ministry of Communications & Information Technology (MCIT), Government of India, and "Proteins to Proteomes: bioinformatics approaches (P2P)" during December 16-19, 2011 under the Centre of Excellence program funded by Department of Biotechnology (DBT), Government of India, at Bioinformatics Center, University of Pune, Pune.
7. Delivered a lecture as a resource person in two day National Conference on 'Biotechnology in Diagnostics' on 6<sup>th</sup> and 7<sup>th</sup> Jan 2012 at B. N. Bandodkar College of Science, Thane, Mumbai.
8. Member of organizing committee at International conference on 'Business opportunities in Life Sciences', held during 28<sup>th</sup> -30<sup>th</sup> Jan. 2012 at Modern College, Shivajinagar, Pune-5.
9. Organized study tour of postgraduate students to various industries (BIOCON and MONSANTO) and research institutes (CFTRI) at Bangalore, Mysore and Ooty, during 4<sup>th</sup> -10<sup>th</sup> Feb. 2012.
10. Poster presentation in the International Conference on Current Trends in Medicinal Plants Research "Study of Antioxidant and Phytoconstituents from plant *Costus speciosus L.*" scheduled on 10-12<sup>th</sup> January 2012 at Dept of Botany University of Pune, Pune.
11. Poster presentation in the International Conference on Current Trends in Medicinal Plants Research "Study of Antioxidant properties of *Tinospora Cordifolia.*" scheduled on 10-12<sup>th</sup> January 2012 at Dept of Botany University of Pune Pune.
12. Oral presentation in the International Conference on Emerging Trends in Free radicals, Antioxidants and nutraceuticals on Health, Disease and Radiation Biology SFRR on "In Vivo and in vitro study of antioxidant and antidiabetic properties of plant *Costus Speciosus L.*" scheduled on 12<sup>th</sup>-14<sup>th</sup> January, 2012 at Kolkata
13. Poster presentation in the International Conference on Emerging Trends in Free radicals, Antioxidants and nutraceuticals on Health, Disease and Radiation Biology SFRR on "Study of Antioxidant properties of *Tinospora Cordifolia*" scheduled on 10<sup>th</sup>-12<sup>th</sup> January 2012 at Kolkata
14. Poster presentation "Evaluation of Phytoconstituents & alpha amylase inhibitory effect of *Costus Speciosus* in management of Diabetes" in the National Conference on Perspectives of Chemical Sciences organised by Dept of Chemistry Modern College of Arts, Science and Commerce Shivajinagar Pune 5 on Feb 23<sup>rd</sup>-25<sup>th</sup> 2012
15. Member of organizing committee at National conference on 'Perspectives of Chemical Sciences', held during 23<sup>rd</sup>-25<sup>th</sup> Feb. 2012 at Modern College, Shivajinagar, Pune-5.
16. Poster presentation on "Antioxidants and antimicrobial activities of *Hemigraphis Colorata*" in the National Conference on Perspectives of Chemical Sciences organised by Dept of Chemistry, Modern College of Arts, Science and Commerce Shivajinagar Pune 5 on Feb 23<sup>rd</sup>-25<sup>th</sup> 2012.

#### 2) Mrs. Rebecca Thombre

1. Member of Indian Women Scientist Association (IWSA) and participated in Lecture series on "Science and Society" organized by IWSA at University of Pune on 8 March 2012.
2. Faculty Improvement Programme
  1. Attended faculty improvement program of Academic Staff College at T.C. College, Baramati from 10 - 16 Oct 2011.
  2. Attended General Orientation Programme of Academic Staff College, Pune from 1 November to 27 Nov 2011.
  3. International paper published (2)
- a. **Thombre R S** and Kanekar P P, Studies on cyclodextrin glycosyl transferase (CGTase) producing alkaliphilic bacteria from Lonar Lake, *Journal of Microbial Biotechnology* 2011/ Volume S1: 010 (2011) /Special Issue 2011, doi:

10.4172/1948-5948.1000001 , ISSN 1948 -5948. available online at <http://www.omicsonline.org/Archive/MBT/Specialissue-Biotechnology-Track1.php>

- b. Atul A Phatak, Rajendra D Patankar, Upendra C Galgatte, Sadanand Y Paranjape, Aditya S Deshpande, Arvind K Pande , **Rebecca Thombre**. Antimicrobial activity of a poly-herbal extract against dental micro flora. *Research Journal of Pharmaceutical, Biological and Chemical Sciences*. Volume 2 Issue 2. April –June 2011. Pg. 533 – 539. ISSN: 0975-8585

#### 4. Oral paper presented: (5)

- BEST PAPER AWARD** for paper on “Cyclodextrin glycosyl transferase” at Indian Convention of Food Scientist and Technologist “ at Yashada, Pune. ( Feb 2012)
- BEST SPEAKERS AWARD** for Oral Presentation on “ Nanotechnology and Cancer” at National Symposium on Life Sciences organised by Elphinstone College, Mumbai on 7 Jan 2012.
- BEST ORAL PRESENTATION AWARD. Rebecca S.Thombre**, P.P.Kanekar, S.S.Sarnaik “ Screening of alkaliphilic bacterial diversity of Lonar lake for industrially important cyclodextrin production “International Conference on Biodiversity and its Conservation organized by Modern College ,Pune from 28 to 30 Jan **2011**.
- Oral Paper **Rebecca Thombre**, P.P.Kanekar, “ Cyclodextrin glycosyl transferase production by alkaliphiles” at “**WORLD CONGRESS ON BIOTECHNOLOGY**” organized by OMICS Publication group, Los Angeles, USA at Hitech Centre, Banjara Hills, Hyderabad from 21 – 23 March 2011
- Oral paper : Phatate R, **Rebecca Thombre** and S.Bhatija, “ Synthesis and characterization of ZnO nanoparticles and their applications on textiles as antimicrobial agents and UV absorbers “ , ‘Microbiology in 21st Century’ 25th – 26th February, 2011, Modern College ,Pune

#### 5. Poster presentation : (6)

- Janhavi Mohite, Pooja Jaisinghani, Apoorva Sane, Mrs **Rebecca Thombre**, “Enhancement of anti carcinogenic agents using silver nanoparticles” at National Symposium on Life Sciences organised by Elphinstone College, Mumbai on 7 Jan 2012.
- Sudeep Dongre, **Mrs Rebecca Thombre**, “Studies on prodigiosin pigment produced by *Serratia marcescens*” at National Symposium on Life Sciences organised by Elphinstone College, Mumbai on 7 Jan 2012.
- Roopa Hegde, **Mrs. Rebecca Thombre**, Neeta Patil, “ Studies on Green synthesis of silver nanoparticles using *Coffea arabica* “ at National Symposium on Life Sciences organised by Elphinstone College, Mumbai on 7 Jan 2012.
- Sourabh Mehta, Rebecca Thombre, “**Silver nanoparticles as anti cancerous agent**” International Conference on Stem Cells and Cancer (2011) , Pune 15-18 Oct 2011
- Mehta Sourabh, **Rebecca Thombre** “ Studies on ZnO synthesizing bacteria” at ‘Microbiology in 21st Century’ ,Modern College ,Pune.(25 Feb **2011**)
- A.Khadpekar, **Rebecca Thombre.** “Antimicrobial activities of herbal extracts against dental flora” Studies on ZnO synthesizing bacteria” at ‘Microbiology in 21st Century’ ,Modern College ,Pune.(25 Feb **2011**)

#### 6. Co-ordinator of following Lectures /Events

- Co-ordinator of Lecture on” Cancer and Diabetes and Stem Cells” by Dr. Christopher Bartholomew, Dean, Glasgow Caledonian University, Glasgow, UK on 15 December 2011.
- Co-ordinator of Lecture on”Biofilms” by Dr. Susan Lang, Glasgow Caledonian University, Glasgow, UK on 7 Feb 2012.
- Co-ordinator of Lecture series on “Career Opportunities in Biotechnology” on 27 Feb 2012.
- Member, Organizing Committee of “International Conference on Business opportunities in Life Sciences “ on 28- 30 Jan

7. Arranged Visit of TY.BSc to Mahananda dairy, Kas Pathar, Satara and National AIDS Research Institute, NARI.

#### 3) Dr. Shubhangi Puranik

- Resource person for MKCL workshop during 9<sup>th</sup> -14<sup>th</sup> May 2011.
- Working as a Principal Investigator on project UGC/MRP , entitled as “Health status of men ,women and children of Vadhu Khurd village of Pune district”. Funded by UGC for the year 2009-11.
- Presented 3 posters in “2<sup>nd</sup> International Conference on Stem cells & Cancer“ held from 15<sup>th</sup>-18 October 2011 at YASHADA, Pune.
- Presented a poster in the International Conference on “Business Opportunities in Life Sciences” held at Modern college of Arts, Science & Commerce, Shivajinagar Pune on 28<sup>th</sup>-30<sup>th</sup> January 2012.
- Attended the National Science Academics’ Refresher Course “Techniques in Neurosciences-Behaviour to Molecules” ( 23<sup>rd</sup> November to 8<sup>th</sup> December, 2011) organized by Department of Life Sciences, Sophia College, Mumbai.
- Coordinated seven batches of certificate course in “Animal Tissue Culture “.
- Working as a committee member of Staff academy, P.G. association, Remedial coaching and NSS. Visited NSS camp at Phulgaon..
- Worked as a Sponsorship & organizing committee member for the International Conference on “Business Opportunities in Life Sciences” held at Modern college of Arts, Science & Commerce, Shivajinagar Pune on 28<sup>th</sup>-30<sup>th</sup> January 2012.
- Worked as a Chairperson for Industry –Academia Coordination committee.
- Organized a visit for undergraduate students to Mahanand Dairy & Thosegar waterfall.
- Organized a visit for F.Y. students to Empress Garden for the insect collection..
- Organized a visit for M.Sc. II to BAIF.

#### 4) Mrs. Rama Phadke

- Attended the ‘Modular training course on Bioinformatics for life Science teachers’ Organized by Department of Bioinformatics, University of Pune from 12<sup>th</sup> Sept – 5<sup>th</sup> Oct 2011.
- Delivered a lecture as a resource person in ‘Workshop for M. Phil students’ Organized by Department of Physical Education University of Pune entitled “Effective presentation”.

3. Presented a poster in “ International conference on Recent trends in medicinal plants” organized by department of Botany, University of pune On 10<sup>th</sup> Jan to 12<sup>th</sup> Jan 2011.
4. Organised a visit of S.Y.B.Sc students to Mahanand Dairy , Katraj,
5. Actively participated in the organization of “International conference on business opportunities in life sciences” organized by dept of Botany, Modern college, Shivajinagar,pune -05. On 28<sup>th</sup>-30<sup>th</sup> Jan.
6. Presented a poster in the national conference “Perspectives of chemical sciences” organized by Dept of chemistry, Modern college, shivajinagar, Pune-05.
7. Worked as a member if reception committee in national conference “Perspectives of chemical sciences” organized by Dept of chemistry, Modern college, shivajinagar, Pune-05.

#### 5) Dr. Sucheta Karande.

1. Attended Animal Tissue culture course conducted by MCGC Modern College, Shivajinagar, Pune-5.
2. Attended seminar in Biotech prospectus on 17<sup>th</sup> Oct 2011 at MITCON
3. Organized study tour of postgraduate students to Bangalore, Mysore and Ooty, during 4<sup>th</sup> -10<sup>th</sup> Feb. 2012.
4. Organized visits of postgraduate students to National Toxicology Centre and National Water Academy. Attended seminar in Biotech prospectus on 17<sup>th</sup> Oct 2011 at MITCON
5. Organized visits of postgraduate students to BIAF, National Toxicology Centre in Sept.
6. Organized study tour of postgraduate students to various industries (BIOCON and MONSANTO) and research institutes (CFTRI) at Bangalore, Mysore and Ooty, during 4<sup>th</sup> -10<sup>th</sup> Feb. 2012.
7. Organized a visit for undergraduate students to Mahanand Dairy & Thosegar waterfall.
8. Actively participated in organizing International conference on ‘Business opportunities in Life Sciences’ held during 28<sup>th</sup> -30<sup>th</sup> Jan. 2012.

#### 6) Dr. Geetanjali Litake

1. Successfully completed ‘Animal Tissue culture’ course conducted by MCGC Modern College, Shivajinagar , Pune-5
2. Resource person for MKCL workshop during 9<sup>th</sup> -14<sup>th</sup> May 2011.
3. Organized visits of postgraduate students to BIAF, National Toxicology Centre and National Water Academy.
4. Attended seminar in Biotech prospectus on 17<sup>th</sup> Oct 2011 at MITCON.
5. Presented poster entitled “Multi-Drug Resistant *Acinetobacter baumannii* from Tracheal Aspirates” at the International Workshop on ‘Antimicrobial Resistance’, held during Nov. 11-13, 2011 at Haffkines Institute, Mumbai.
6. Participated in twin workshops on “Genes to Genomes: bioinformatics approaches (G2G)” during December 12 -15, 2011 under the Centre of Excellence program funded by Department of Information Technology (DIT), Ministry of Communications & Information Technology (MCIT), Government of India, and “Proteins to Proteomes: bioinformatics approaches (P2P)” during December 16-19, 2011 under the Centre of Excellence program funded by Department of Biotechnology (DBT), Government of India, at Bioinformatics Center, University of Pune, Pune.
7. Member of an organizing committee at International conference on ‘Business opportunities in Life Sciences’, held during 28<sup>th</sup> -30<sup>th</sup> Jan. 2012 at Modern College, Shivajinagar , Pune-5.
8. Organized study tour of postgraduate students to various industries (BIOCON and MONSANTO) and research institutes (CFTRI) at Bangalore, Mysore and Ooty, during 4<sup>th</sup> -10<sup>th</sup> Feb. 2012.
9. Member of organizing committee at National conference on ‘Perspectives of Chemical Sciences’, held during 23<sup>rd</sup>-25<sup>th</sup> Feb. 2012 at Modern College, Shivajinagar , Pune-5.
10. Poster presentation entitled “Antioxidants and antimicrobial activities of *Hemigraphis Colorata*” in the National Conference on Perspectives of Chemical Sciences organized by Department of Chemistry, Modern College of Arts, Science and Commerce, Shivajinagar, Pune-5, during 23<sup>rd</sup>-25<sup>th</sup> Feb 2012.

#### 7) Mr.Ravi L Dabhade

1. Organized study tour for B.Sc. Biotechnology student to Mahanand Dairy.
2. Worked as a member of organizing committee committee for organizing international conference on Business opportunities in life science.
3. Attended **Animal Tissue culture course** conducted by MCGC Modern College, Shivajinagar , Pune-5
4. Achieved **third prize** for poster presentation on “Study of kinetics of alpha amylase” in the National Conference on Perspectives of Chemical Sciences organised by Dept of Chemistry, Modern College of Arts, Science and Commerce Shivajinagar Pune 5 on **Feb 23<sup>rd</sup>-25<sup>th</sup> 2012.**
5. Organized study tour of postgraduate students to various industries (BIOCON and MONSANTO) and research institutes (CFTRI) at Bangalore, Mysore and Ooty, during **4<sup>th</sup> -10<sup>th</sup> Feb. 2012.**
6. Actively participated in organizing International conference on ‘Business opportunities in Life Sciences’ by Modern college of Arts, Science and Commerce Shivajinagar Pune, held during **28<sup>th</sup> -30<sup>th</sup> Jan. 2012.**
7. Actively participated in organizing National conference on ‘Perspectives of chemical sciences’ by Department of Chemistry, Modern college of Arts, Science and Commerce Shivajina

#### Achievements of students:

##### M.Sc -II

- **Sujata S.G.Sharma**  
Qualified NET examination for Lecturership- Dec.2011 [Rank - 039]
- Students of M.Sc. Biotechnology (Part -II) Qualified GATE examination Feb.2012
  1. Mokshada Varma
  2. Rajashree Jagtap
  3. Rajashree Patil
  4. Prajakta Shinde
  5. Pooja Suryavanshi
  6. Shikha Dahiya
  7. Ketaki Jagtap
- **Ashwini Rajjade**

A paper entitled "Investigation of Phytoliths from Ayurvedic samples (Churna)" published in the Proceedings of the 8<sup>th</sup> International meeting on 'Phytolith research' at Colorado, Denver.

- **Tejashree Sathe**

- Participated in 'Sakal Karandak 2012' Play Competition Performed 'College representation'
- Certificate of Praweshika purna examination of Singing from 'Gandharva Mahavidyalay' – passed with distinction

**M.Sc –I**

Akshada khadpekar and Prashant Shah participated in intracollege badminton competition and won 1<sup>st</sup> prize.

**T.Y. B.Sc**

- 1) Vrushali Sharma- Achieved **third prize** for poster presentation on "Study of kinetics of alpha amylase" in the National Conference on Perspectives of Chemical Sciences organised by Dept of Chemistry, Modern College of Arts, Science and Commerce Shivajinagar Pune 5 on **Feb 23<sup>rd</sup>-25<sup>th</sup> 2012**.
- 2) Anjali Mane - Poster presentation in the International Conference on "Emerging Trends in Free radicals, Antioxidants and nutraceuticals on Health, Disease and Radiation Biology SFRR on "Study of Antioxidant properties of *Tinospora Cordifolia*" scheduled on **10<sup>th</sup>-12<sup>th</sup> January 2012** at Kolkata.
- 3) Renuka Joshi, Bharti Parihar, Anuja Kulkarni, Roopa Hegde, Apoorva Sane, Sudeep Dongre, Janhavi Mohite, Pooja Jaisinghani, Sayli Modak, Rujuta Kshirsagar, Ajinkya Shewale, Sangeeta Patil- Poster presentation in the National Conference on 'Perspectives of Chemical Sciences' organised by Dept of Chemistry Modern College of Arts, Science and Commerce Shivajinagar Pune 5 on **Feb 23<sup>rd</sup>-25<sup>th</sup> 2012**.
- 4) All the boys of TYBiotech participated in the Football and Volleyball matches at college.
- 5) The names are Onkar Sumant, Anand Patel, Deepak Nesarikar, Deepak Kapse, Sagar Bhalgat, Ajinkya Shewale and Vikrant Palande.
- 6) The Kisan Agri Show which is India's largest agri show was Volunteered by Onkar Sumant, Anand Patel and Deepak Kapse.
- 7) The Students Ajinkya Shewale, Rekha Khandekar, Rewa Thakur, Neha Angeer, Sayli Lad Presented Poster at The International Conference on Stem Cell and Cancer.
- 8) The Students Ajinkya Shewale and Sagar Bhalgat Presented Poster at The International Conference on Bioetics, Bioresearch and environmentheld at Nagpur.
- 9) Roopa Hegde, Apoorva Sane, Sudeep Dongre, Janhavi Mohite, Pooja Jaisinghani participated in National Symposium at Mumbai.
- 10) Anjali Mane, Sayli Modak and Rujuta Kshirsagar presented poster at International Conference on Current Trends in Medicinal Plants and Research.
- 11) Sagar Bhalgat participated in 10mm air pistol sport at following events: Gun for Gloryat Balewadi, G.V. Molankar at Assam and won Bronze Medal in Pune District Rifle Association.
- 12) Onkar Sumant completed NCC Army B and C certificate, has attended two ATC camps(Annual Training Camp), won first prize in line layout competition.
- 13) Ajinkya Shewale completed NCC Navy B and C certificate, has attended ATC camp(Annual Training Camp), NIC (National Integration Camp).
- 14) Onkar Sumant scored 83 percentile (644.5) in MAT MBA Entrance Examination.
- 15) Deepak Nesarikar scored 86 percentile in CAT MBA Entrance Examination.

**S.Y.B.Sc**

1. Yugnadhara patil and Mugdha Phutane won the 1<sup>st</sup> prize in poster competition organised by dept of Botany. Parekh fenali and Parvathi Lekshminarayanan won the second prize.
2. Pankaj Bandal and Swapnil A. won the third prize
3. Poorva belwalkar participated in Purushottam karandak and Sakal Karandak and represented the college.
4. Amruta Shelar performed Bharatnatyam Lavani and other Maharashtrian folk dandces as a part of cultural exchange programme organized by Maharashtra mandal Bangkok and Thailand in nov 2010 for 12 days.
5. Amruta Shelar essayed the role of daughter in law in the famous drama series "Natasamrat" for Making a Limca record .
6. Amruta Shelar played a role of champa in the drama "Jau Devachiya Gaavi".
7. Anjali Varier participated in the year Sa re Ga Ma Pa singing superstar ,held in modern college.

**Visit organized by Department of Biotechnology M.Sc. & B.Sc.**

- Organized study tour of M.Sc. Biotechnology students to various industries (BIOCON and MONSANTO) and research institutes (CFTRI) at Bangalore, Mysore and Ooty, during 4<sup>th</sup> -10<sup>th</sup> Feb. 2012.
- Organized visits of M.Sc. Biotechnology students to BIAF, National Toxicology Centre and National Water Academy.
- Arranged Visit of T.Y.B.Sc. Biotechnology students to Mahananda dairy, Kas Pathar, Satara and National AIDS Research Institute, NARI.
- Organized a visit of S.Y.B.Sc. Biotechnology students to Mahanand Dairy , Katraj
- Organized a visit for F.Y. B.Sc. Biotechnology students to Empress Garden for the insect collection Biotechnology has become one of the thrust areas in this fast progressing world. This applied branch of science has become an important component of research & development institutions, pharmaceutical companies, agro based industries etc. There is thus a growing need of well qualified biotechnologists to meet the industry demands.

In order to keep pace with this, our college has started the B.Sc. Biotechnology course in 2005 followed by M.Sc. Biotech. Course in 2008 both affiliated to University of Pune.

- The Biotechnology department has well equipped laboratories for Animal Tissue Culture, Plant Tissue Culture and Molecular Biology. The department also has a computer laboratory with internet facility.
- Research laboratory with high end instruments such as HPLC, Fermentation, PCR, Elisa Reader, Cooling Centrifuges provides a good research atmosphere.
- The department also has a very well qualified faculty with subject specialization.

**B.Sc. Biotechnology**

- Three Year degree Course

- H.S.C (10+2) Science Passed or equivalent
- Admission should be made purely on merit basis (Note Individual collage is free to make mathematics compulsory)
- P.G. Course M.Sc. Biotechnology

### Course Structure

F.Y. : 8 Theory course + 4 Practical courses of 100 marks each

S.Y. : 7 Theory papers + 3 Practical Papers of 100 marks each

T.Y.: 6 Theory papers + 3 Practical papers of 100 marks each

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

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

B.Sc. Botany : Semester Pattern

M.Sc. Botany : Semester system

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

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

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

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

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

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

### 9. Number of teaching posts

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

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

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. R.S. Zunjarrao	M.Sc., Ph.D.	Head of the Department	Cytogenetics and Plant Breeding	UG: 24 yrs PG: 18 yrs as Contributory staff	Awarded degree 01 Pursuing research 02
Dr. Mrs. N.M.Patil	M.Sc., Ph.D.	Associate Professor	Plant Physiology	UG: 20 yrs PG: 13 yrs as contributory staff	Pursuing research 03
Dr. R.B.Barmukh	M.Sc., Ph.D., SET	Assistant Professor	Cytogenetics and Plant Breeding	UG: 6 yrs PG: 5 yrs full time and 10 years as Contributory	NA
Dr. U.R.Wayase	M.Sc., M.Phil., Ph.D., NET	Assistant Professor	Plant Physiology	UG: 6 yrs PG: 6 yrs as Contributory	NA

Prof. S. P. Salunke	M.Sc.	Assistant Professor	Angiosperm Taxonomy	PG:17 yrs	NA
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**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/-
			<b>TOTAL</b>	<b>5189250/-</b>

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

The Department of Botany has a Post Graduate Research Centre recognized by the Pune University since 1984. The department has a spacious and well-equipped Post Graduate Research Laboratory.

The Post Graduate Research laboratory has following special equipment.

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

**19. Publications:**

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



## 20. Areas of consultancy and income generated

- Dr. R.S.Zunjarrao, Head, Department of Botany, has developed expertise in the Plant Tissue Culture Technology since the last two decades. He has offered the consultancy to the various renowned tissue culture laboratories in and around Pune city. However, these consultancies were offered on the non-remunerative basis.
- Dr. U.R. Wayase has offered to the farmers non-remunerative consultancy on biofertilizers and their applications. He has also guided the farmers on the fruit farming of pomegranate.
- Dr. K.D.Gopale is giving a non-remunerative consultancy on the subject of biodiesel to Shirke Biofuels, Pune, India.
- Mrs. Rasika Kulkarni is member of consulting panel of Sahyadri Biogreen, Satara on non- remunerative basis.

## 21. Faculty as members in

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

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

## 22. Student projects

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

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

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

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

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

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

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

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

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

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

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

## 26. Student profile programme/course wise:

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

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

## 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
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**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

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

NET, SET: 02 Hrishikesh Khodade and Ganesh Mankar  
 Defence Services: 01 Anand Pratap Singh  
 ICAR NET and TIFR entrance exam: Ganesh Mankar

**29. Student progression**

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

**30. Details of Infrastructural facilities**

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

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

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

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

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

The department has organized following lectures:

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

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

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

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

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

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

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

#### Strength:

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

#### Weaknesses:

- Placement activity at departmental level needs to be strengthened.

#### Opportunities:

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

#### Challenges:

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

#### Future plans:

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

#### Departmental Activity:

The department of Botany was engaged in various activities in this academic year. The Department of Botany has always tried to impart quality education at Junior, Senior, Post-graduate, Doctoral research and Post Doctoral Research levels. The LCD projectors are installed in undergraduate and postgraduate laboratories. It was possible to show various presentations, animations and specimens to make the teaching interesting to the students. This year the number of students enrolled for the Botany are- XI- 223; XII- 217; F.Y.B.Sc – 150; S.Y.B.Sc – 90; T.Y.BSc – 22 and M.Sc I, II – 29.

#### Departmental Activities

- Many field trips were organized for F.Y., S.Y. and T.Y.B.Sc and M.Sc students to develop and increase their interest in Taxonomy of plants.
- The Wall Paper magazine activity continued this year for the undergraduate students where First Year Botany students are the editors of the magazine.
- Plant display activity was carried out by postgraduate students. In which every week economically important plant was displayed along with taxonomic and economic information.
- The Department has successfully organized an International Conference on Business opportunities in Life sciences from 28th to 30th January 2012.

#### 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. Shirke. Retd. Department of Botany, University of Pune.
- Ms. M. Mandhare, Botany Department, Modern College, Shivajinagar, Pune.
- Dr. Kore. Agharkar Research Institute, Pune.

#### Study Tours and Excursion

- i) Local Botanical excursion tour was organized by the Botany Department in September 2011 for F.Y. B. Sc. & T.Y. B. Sc. Botany students to Mulshi and Dongarwadi for studying plant diversity and also for collection of plants.
- ii) A Botanical Excursion Tour was organized at Mahabaleshwar for the students of S. Y. B. Sc. in the month of February 2012 for observation of Angiospermic and other plants.
- iii) A Three day excursion tour was arranged at Amboli and Malvan for the students of M.Sc. and T.Y.B.Sc. for the collection and study of marine algae in the month of January 2012.
- iv) A short visit to the Vasantdada Sugar Institute, Manjari was organized for the students of S. Y. B. Sc. In the month of October 2011.
- v) A visit was arranged for the students of F. Y. B. Sc. to study the architecture and working of Green House. This visit was arranged at the College of Agriculture, Pune, in February 2011
- vi) 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.
- vii) Visit to Botanical Survey of India (BSI) in Nov 2011 for MSc I
- viii) Visit to Agricultural College (Green House/Polyhouse) in Nov 2011 for MSc- II.

#### Student's Achievements

- i) Siddesh Bhavsar from T.Y. B.Sc has qualified first round of entrance exam conducted by NCBS.
- ii) MSc students are winners at annual social gathering in variety entertainment category in the post graduate section.

#### Achievements of Staff Members

- i) Dr. R. S. Zunjarrao

**The Department has organized an International Conference on Business opportunities in Life sciences from 28th to 30th January 2012 under the guidance of Dr. R.S. Zunjarrao who was a convener of the conference. For successive second year the conference was a huge success.**

Chief investigator on project *SR/SO/S-42/2008*, entitled as "Ecological and Life history studies of association between Grouse Locusts and Lower cryptogams". Funded by Department of Science and Technology for the year 2010-2013, of Rs. 39,52,500/-.

#### Following papers are published in this academic year

- a) Gopale K. D. and Zunjarrao R. S. (2011) "Variations in Biochemical Content of *Jatropha curcas* Seeds Collected from Agroclimatic Zones of Maharashtra State of India" has been published in, *The IUP Journal of Life Sciences*, 5(3): 11-23.
- b) Gopale K. D. and Zunjarrao R. S. (2011) Vegetative Propagation of *Jatropha curcas* L. by Rooting of Stem Cuttings" has been published in, *J. Agric. Res. Technol.*, 36 (3) : 509-511
- c) Aditi P. Kulkarni\*, Ankita A. Srivastava, Pravin M. Harpale and Rajendra S. Zunjarrao Plant mediated synthesis of silver nanoparticles - tapping the unexploited sources, *J. Nat. Prod. Plant Resour.*, 2011, 1 (4): 100-107
- d) SRIVASTAVA A.A\*, KULKARNI A.P, HARPALE P.M, ZUNJARRAO R.S, Plant mediated synthesis of silver nanoparticles using a bryophyte: *Fissidens minutus* and its anti-microbial activity, *International Journal of Engineering Science and Technology (IJEST)*, Vol. 3 No.12 December 2011, 8342-8347

#### ii) Dr. Mrs. N. M. Patil

- a) Participated in the workshop on Genes to Genome (G2G) Bioinformatics approaches organized by Bioinformatics centre, University of Pune. from 12 – 15 December 2011.
- b) Participated in the workshop on proteins to proteome (P2P) Bioinformatics approaches organized by Bioinformatics centre, University of Pune. 16 – 19 December 2011.
- c) Presented poster in International conference on current trends in Medicinal Plant research and One day workshop on phytochemical extraction of medicinally important plants. It was organized by Department of Botany, University of Pune.
- d) A paper entitled "Adaptation in response to salinity" is published in Asian journal of crop science.
- e) Dr. N.M.Patil was an organizing secretary at International conference on Business opportunities in Life Sciences held from 28<sup>th</sup> to 30<sup>th</sup> January 2012.

#### iii) Dr. R. B. Barmukh

- a) Completed orientation course in the month of November conducted by Academic staff College, University of Pune.
- b) Poster was presented at International conference on current trends in Medicinal Plant research and One day workshop on phytochemical extraction of medicinally important plants. It was organized by Department of Botany, University of Pune.

#### iv) Prof. U. R. Wayase

- a) Participated in Recombinant DNA Technology workshop organized by department of Genetics, Osmania University, Hyderabad in the duration of 2nd to 9th June 2011.
- b) Conducted and coordinated certificate course in Plant Tissue culture for S.Y.B.Sc B students.

#### v) Prof. Arti Goggi

- a) Designed, Co-ordinated and conducted certificate course seed technology course for undergraduate students.
- b) Participated in International conference on current trends in Medicinal Plant research and One day workshop on phytochemical extraction of medicinally important plants. It was organized by Department of Botany, University of Pune.

#### Post Graduate Department

##### i) Prof S. P. Salunke

- a) Permanently appointed on Pune Municipal Corporation's Tree Expert Committee.
- b) Approximately 300 local and forest trees are received from different forest Nurseries (free of cost) and deposited for plantations in P.E.Societies Agribiotechnology College at Paud.

##### ii) Prof P. V. Shelar

- a) Registered for M.Phil at Botany department, University of Pune.

- b) Participated in International conference on current trends in Medicinal Plant research and One day workshop on phytochemical extraction of medicinally important plants. It was organized by Department of Botany, University of Pune.
- iii) **Prof. Gopale K. D.**
- a) Working as Co-investigator on project SR/SO/S-42/2008, entitled as "Ecological and Life history studies of association between Grouse Locusts and Lower cryptogams". Funded by Department of Science and Technology for the year 20010-2013, of Rs. 39, 52,500/-.
- b) Presented poster entitled "Biodiesel: Reality and Promises in Maharashtra" in AVISHKAR competition 2011, held at H. V. Desai College, Pune. on 23th – 24th December, 2011.
- c) Completed five batches of the certificate course in 'plant tissue culture' conducted in collaboration with department of Botany, Modern College of Arts, Science and Commerce Shivajinagar, Pune and MCCG in the academic year of 2011-2012.
- d) Gopale K. D. and Zunjarrao R. S. (2011) "Variations in Biochemical Content of Jatropha curcas Seeds Collected from Agroclimatic Zones of Maharashtra State of India" has been published in, The IUP Journal of Life Sciences, 5(3): 11-23.
- e) S.Gopale K. D. and Zunjarrao R. S. (2011) Vegetative Propagation of Jatropha curcas L. by Rooting of Stem Cuttings" has been published in, J. Agric.Res.Technol.,36 (3) : 509-511

#### New recruitments

Mrs. Aditi Kulkarni was appointed as Assistant Professor from 1<sup>st</sup> January 2012.

#### Infrastructural development

- i) Postgraduate Research laboratory is renovated and it is equipped with modern research equipments.
- ii) LCD projectors are installed in undergraduate and postgraduate laboratories.

#### Research activities

- i) The undergraduate teachers have submitted research proposals to the funding agencies such as BCUD and UGC.
- ii) Dr.R.S. Zunjarrao (chief investigator) has submitted proposal for major research project to the UGC.
- iii) Ms. Ankita Srivastava and Ms Mayuri Phalke are working as JRF and Mr. Rohit Nagalgaon is appointed as technical assistant in project SR/SO/S-42/2008, entitled as "Ecological and Life history studies of association between Grouse Locusts and Lower cryptogams". Funded by Department of Science and Technology for the year 20010-2013, of Rs. 39, 52,500/-.
- iv) Prof. Gavit and Prof Gawade have registered for the PhD at Postgraduate research centre of Botany Department under the guidance of Dr.R.S.Zunjarrao.

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

## Department of Chemistry

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

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

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

**7. Courses in collaboration with other universities, industries, foreign institutions, etc.:** Certificate Course in Analytical techniques was conducted in collaboration with industry viz., ROSS Life Sciences, Pune.

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

**9. Number of Teaching posts**

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

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

Name	Qualification	Designation	Specilization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Prof. S.R.Pokharkar	M.Sc. M.Phil.	HOD, Associate Professor	Inorganic Chemistry	31	-

Dr.(Mrs) S. D. Joag	M. Sc, Ph. D	Associate Professor	Organic Chemistry	31	-
Dr. S. K. Ujalambkar	M. Sc. Ph. D. M.A. (Marathi) M.Com.	Associate Professor	Physical Chemistry	29	-
Prof. H. K. Gaikwad	M.Sc, SET, NET	Assistant Professor	Organic Chemistry	12	-
Prof. S. S. Sakate	M.Sc, SET, NET	Assistant Professor	Organic Chemistry	10	-
(Mrs) P. B. Suryavanshi	M.Sc, SET, NET	Assistant Professor	Organic Chemistry	8	-
Prof. R. M. Jagtap	M.Sc, SET, NET	Assistant Professor	Organic Chemistry	04	-
Prof. L. B. Rane	M. Sc. M.Phil.	Assistant Professor	Analytical Chemistry	02	-
Dr.(Mrs.)M. Nirgudkar	M. Sc. Ph. D.	Assistant Professor	Physical Chemistry	01	-

(\* 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.
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
- Nil.

**22. Student projects**

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

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

**Teachers**

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

**Students**

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

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

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

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

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

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

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

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

**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

**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

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

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

**30. Details of Infrastructural facilities:**

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

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

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

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

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

#### • Special Lectures by External Experts:

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

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

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

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

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

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

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

#### Strength:

- Good infrastructure
- Experienced, research oriented and enthusiastic staff

#### Weaknesses:

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

#### Opportunities:

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

#### Challenges:

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

#### Future Plans:

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

#### Departmental activities:

#### National Conference on "Perspectives of Chemical Sciences" February 23-25, 2012 Organised by Department of Chemistry,

Department of Chemistry, Modern College of Arts, Science and Commerce, Pune -5 Successfully organised a National conference on "Perspectives of Chemical Sciences" during the period February 23-25 2012.

#### Inaugural Function-

The conference was inaugurated at the hands of the chief guest, honourable Dr. Saurav Pal, Director CSIR-National Chemical Laboratory, Pune. In this function Prof. S. R. Pokharkar, Convener, in his welcome speech, briefly explained the theme of the conference covering the three aspects of the chemical Sciences, viz, Chemistry Education, Chemistry and Industry, and Research in Chemistry. Dr. S. K. Ujambkar, Organising Secretary introduced the chief guest Dr. Pal highlighted the interdisciplinary nature of chemistry and need for integral approach in chemistry education so as to have



bright future. Principal Dr. R. S. Unjarrao gave his presidential address and Dr. (Mrs.) S. D. Joag proposed the vote of thanks.

**Key note address-** In the key note Address of the conference entitled "Chemiostry in shaping Materials for the future", Dr. SAaurav Pal Presented a Brief history of evolution of Chemistry and highlighted the role of that chemistry is going to play in shaping our future by developing materials such as Opto-electronic materials, fuel cell materials, smart and functional materials.

**Invited talks** – There were three invited talks on ferbruary 23, 2012. Dr. Prabodh Chobe, Senior GM, BASF- India, Mumbai, gave a talk on 'Career Opportunities in Chemical Industry'. Dr A. A. Natuy, IISER, Pune, gave a talk on 'Student Centric Education'. Dr. (Mrs.) Ladage, HBCSE, Mumbai had an interactive session on 'Making Learning of Chemistry more meaningful'.

**Exhibition of Educational Aids in Chemistry:** Dr. Saurav Pal inaugurated the exhibition of EducationalAids in Chemistry. There were exhibits like computer game on periodic table, model of nuclear reactor and concept chart of molecular transitions. The exhibition was a centre of attraction for all the participants.

**Oral Presentations:** There were oral presentationa by Dr. Sushama Jaog, Dr. Lalita Agase and Mrs. Manisha Bore on their work on a new pedagogic method, viz, Co-operative Learning.

#### February 24, 2012.

**Invited talks:** There were four 'Invited talks" on February 24, 2012. Dr. D. G.Naik, Head, Chemistry Division, ARI, Pune gave a talk on "Quality standards for Indian Medicinal Plants". Dr. A. K. Sikder, Deputy Director, HEMRL, Pune a talk on "High Energy Materials, Science and Scope". Dr. C. V. Rode, Scientist (F) NCL gave a talk on " Biorefinery from Concept to Realization". Dr. R. C. Chikate, Associate Proffessor, Abasaheb Garware College, Pune gave a talk on "Exploration of Nanom,aterials for Environmetal Remediation".

**Oral presentation:** Threere were oral presentations by Mr. Abhijit Chavan and Dr. Ali Mohammad (Aligarh) on their work on new experimental tachtiques in Chemistry.

Poster Display: The poster display session was arranged in the afternoon. Dr. P. G. Pol and Dr. A. N. Mehetre worked as judge for the poster and educational aid competition announced for young participants.

#### February 25, 2012.

**Invited Talks:** There were three "invited talks" on 25 February 2012. Mr. Vinay Oswal, Director NAFARI, Pune gave a talk on " Applied Chemistry: Challenging careers in Food processing". Dr. R. N. Acharya, Scientific Officer (F), BARC, Mumbai, gave a talk on "Development and Applications of Neutron Activation Analysis methods for Chemical Reaserch". Mr. Suhas Bhagwat, G. M., Hydrocarbon Midstream and Downstream Division, L and T Ld,Mumbai gave a talk on "Overview of hydrocarbon Industry".

**Oral presentations:** There were oral presentations by Dr. Nitin Pagar, Mr. B. D. Jadhav, Dr. (Mrs) Preeti Kulkarni, Mr. R. M. Jagtap and Dr. Sunil Kulkarni on their reaserch work in various fields of Chemistry. Dr. (Mr.s) A. A. Dharmadhikari gave a presentation on use of statistical methods in Chemical Industry. Dr. A. D. Natu worked as a judge for the Oral presentation Compititon announced for young scientists.

**Plenary Talk:** There was a plenary talk by Dr. (Prof.) Subhash Padhye, former Head, Department of Chemistry, University of Pune on "Frontiers of Novel Drug Designing". In this talk Dr. Padhye presented his work on the conceptualization and designing of a drug for the cancer cure.

**Valedictory Function:** In the Valedictory function of the conference, Dr. (Mrs) S. D. Joag, presented the review of the proceedings of the conference. Delegates Mr. Abhijit Chavan, Mrs. Arpita Kale and Ms. Disha Savalia (Gujrat) gave vocal expression to their experience throughout the conference. Dr. R. S. Zunjarrao gave 'Principal's Address' expressing his feelings of satisfaction over the entire planning and proceeding of the conference. Prizes were presented to the young prize winners at the hands of the chief guest Dr. S. B. Padhye. In his address, Dr. Padhye highlighted the need to have such conferenes in educational institutes so that students and teachers get exposure to current happenings in the field of science. Prof. S. S. Deshmukh, Secretary, PES, Pune in his presidential address pointed out that this conference is an expression of modern and progressive outlook of the parent body of the college, the PE society. The Valedictory function and the conference concluded with the vite of thanks delivered by Prof. S. R. Pokharkar.

#### Aknowledgement

The organizing committee acknowledges with gratitude the financial assistance sanctioned by University of Pune for organizing this conference. Donations by Prashant Industries, Manali Prakashan and Rasa Life Science Informatics are gratefully acknowledged. Special acknowledgement is to Prof. (Dr.) Dilip S. Joag, Emeritus Scientist CSIR, University of Pune for donating unique mementoes to be given to the invited dignitaries in the conference. The patronage by Dr. G. R. Ekbote, Chairman, B. C., P. E. Society, Pune. Guidance and encouragement by Principal Dr. R. S. Zunjarrao and all the Vice-principals is acknowleged gratefully.

-Prof. S. R. Pokharkar  
Head of the Department

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## Department of Commerce

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

**Year of Establishment:** 1970

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

B.Com. : 1970

M.Com. : 1977

Ph.D. : 2008

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

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

**5. Annual / semester (Programme wise):**

B.Com.: Annual Pattern

M.Com.: Semester Pattern

**6. Participation of the department in the courses offered by other departments Lectures by members of the department:**

- Lectures for M.Sc. Botany on 'Entrepreneurship Development'
- Lectures for T.Y. B. Sc. Biotechnology on 'Bio-Process Economics'
- Lectures for First Year B.B.A. and B.C.A. on 'Advanced Accounting and Costing'
- Lectures for T. Y. B.Sc. Electronics on 'Entrepreneurship Development'

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

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

**9. Number of teaching posts:**

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

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

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. Y. R. Waghmare	M. Com., F.C.A., Ph. D.	Associate Professor	Advanced Accounting, Costing	31	8
Dr. S. K. Rahane	M. Com., M. Phil., Ph. D., M. A. (Psychology - Counseling)	Associate Professor	Advanced Accounting, Costing	29	4
Dr. A. V. Kamble	M. Com., M. Phil., Ph. D.	Associate Professor	Advanced Accounting & Auditing	25	4
Prof. S. J. Ahiwale*	M. Com., M.A. (Eco), M. Phil.	Associate Professor	Advanced Accounting	22	-
Dr. R. W. Kulkarni	M. Com., F.C.M.A., M. Phil., M.M.S., Ph.D.	Associate Professor	Advanced Costing	28	-
Dr. V. N. Gaikwad	M. Com., SET, Ph.D.	Associate Professor	Advanced Accounting	19	-
Prof. A. V. Desai	M. Com., SET	Associate Professor	Marketing and Corporate Law	16	-
Prof. S. R. Hirve	M. Com., SET	Assistant Professor	Advanced Accounting, Costing	7	-
Prof. R. D. Bansode*	M.Com., D.T.L., G.D.C.& A., NET	Assistant Professor	Advanced Accounting	11	-
Prof. R. Y. Deshpande	M. Com., M. B. A., LL.M., NET	Assistant Professor (Part time)	Mercantile Law	27	-
Prof. Rasika Date	M. Com., SET., A.C.A.	Assistant Professor (Part time)	Advanced Accounting & Auditing	17	-

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

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

B.Com.: 6% , M.Com.: 4%

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

B.Com.: 15:1

M.Com.: 12:1

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

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

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

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

**16. Number of faculty with ongoing projects from a) National b) International Funding agencies and grants received:** 01

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

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

Post Graduate Research Centre in Commerce, established in 2008, is recognized by the Pune University, Pune-7.

**19. Publications:**

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

• **Monographs published by the department:**

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

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

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

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

**22. Student Projects:**

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

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

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

**YEAR 2010-11**

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

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

**YEAR 2011-12**

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

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

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

• Dr. S. K. Rahane: 'Best Teacher Award' by the Progressive Education Society, Pune.

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

• Dr. Banergee Sudipti: Head, Department of Commerce, Univseristy of Calcutta.

• Dr. Sanjay Kaptan: Head, Department of Commerce, Pune University, Pune.

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

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

Year	Particulars	Theme
2010-11	One Day Workshop on 11 <sup>th</sup> Oct., 2010	Revision of syllabi for T.Y.B.Com.
2010-11	State Level Seminar on 11 <sup>th</sup> and 12 <sup>th</sup> March 2011	Implementation of the International Financial Reporting Standards (IFRS)
2011-12	One Day Seminar on 19 <sup>th</sup> Jan., 2012	Recent Amendments in Cost Accounting Records Rules and Cost Audit

**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

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

## 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

**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

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

## 29. Student progression

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

## 30. Details of infrastructural facilities

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

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

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

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

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

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

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

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

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

- Through NCC and NSS, and Vidyarthini Manch

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

- Well qualified and experienced faculty with few members having professional qualification
- Permanent Post-Graduate recognition
- Most of the faculty members have PG recognition
- Adequate options available to the students at various levels
- Research Centre for pursuing Ph. D. in Accountancy, Banking and Finance, Business Administration, Marketing Management, Business Practices and Business Economics.
- Some members of the Department are Members of the Boards of Studies and Senate of Pune University.
- 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, 2011 was 65%. And of M. Com. Examination held in May 2011 was 50%.

**Professional Examinations:**

Students of this faculty, along with the University Curriculum, pursue Professional courses like C.A., I.C.W.A. and CS. During the year, 53 students have cleared the Professional exams- 3 students from M. Com. Part II cleared C. A. Final.

One student from T.Y. B. Com. Cleared C. A. Inter Group I while 3 students cleared IPCC exam and 5 students cleared IPCC Group I. 32 Students from F.Y. and S. Y. B. Com class has passed CPT Examination of ICAI. 4 students have passed CWA Foundation Exam, while one student cleared CW A Inter Group I. 3 students have passed C S Foundation Exam, while one student cleared C S Inter Group I.

**Field Visits :** During the year, six industrial visits of students were arranged:

**No. Places Visited**

1. Chintamani Silk Mills Pvt.Ltd. (Cotton Textile Mill) at Theur, Dist. Pune.
2. Jaggery Manufacturing Plant at Rahu, Dist. Pune.
3. Trimurti Agro Product Ltd. (Sabudana Factory) at Koregaon Bhima,Pune.
4. Devgi Warner (I) Pvt. Ltd.
5. Market Yard Pune
6. College of agricultural banking Reserve Bank of India, Pune.

**Placements**

A Placement Camp was conducted by The Thane J anata Sahakari Bank Ltd. Thane and five students were short listed as "Graduate Trainees", immediately on completion of their last year's examination.

**New Courses Conducted**

During the year the Department commenced the following courses with a participation of 25 students.

- a) An Introduction to Modi Script
- b) A Course on Computerised Accounting.

**Seminar**

The Department had organised a Seminar on 'Recent Amendments in Cost Accounting Records Rules and Cost Audit' on 19th January, 2012.

**ACIDEMENTS OF STAFF**

**Dr. Y. R. Waghmare:**

- i) Papers presented at National seminars: Three
- ii) Resource Person at National Seminar : One State Level Seminar : Three and Regional Seminar: One
- iii) Papers published :Five
- iv) Resource Person at Workshop for SET Examination at three centres.
- v) Students completed Ph.D :One
- vi) Students Registered for M.Phil.:Two

**CA Prof. Suresh K. Mehta**

- i) Regular speaker at various seminars organised by Professional and other social organisations.
- ii) Regular author for articles on various subjects in newspapers.

**Dr. Sanjeevani. K. Rahane**

- i) Guest Lectures delivered at Modern College, Ganeshkhind on 'Research Methodology' for M. Com. students.
- ii) Was invited as special guest by Modern College, Ganeshkhind for Valedictory function of 'Com Fest'.
- iii) Was invited as judge for marketing presentation competition at Symbiosis College of Commerce.
- iv) Was invited as an expert for reviewing educational films (lectures) by EMRC, Pune.
- v) Worked as Convener of Past Students Interaction Committee.
- vi) Worked as Advisor for Best Student Trophy Committee
- vii) Completed M. A. Psychology, Part I with distinction.
- viii) Presented a paper in the seminar on "Changes in Cost Accounting Record Rules and Cost Audit Report Rules" held in our College and worked in organizing committee.

**Dr. Ashok V. Kamble**

- i) Presented a Research Paper on 'Problems and prospects of medical tourism in Pune City' in an International Conference held at N. Wadia Institute of Management Studies and Research, Pune. The paper is published as his article in ESNB Journal.
- ii) Was invited as a Guest Speaker by T.C. College, Baramati on the topic 'Recent Trends in Marketing.
- iii) Delivered a speech on 'Maharashtra Universities Act, 2011 (Proposed) in a Conference organized by Center for Education Development Administration (CEDA), held at Pune
- iv) Felicitated by Shri Vidya Vikas Seva Pratisthan, Pune for being elected unopposed to the Senate of University of Pune.
- v) Participated in a workshop for Senate Members held at Vidya Pratisthan's College of Arts, Science and Commerce, Malegaon, Dist. Pune. The workshop was organized by University of Pune.
- vi) Appointed by University of Pune on the Committee constituted for preparation of Annual Report of Pune University.

**Dr. Raghunath W. Kulkarni**

- i) Presented a Research Paper on 'Activity based learning in teaching Commerce' at All India Commerce Conference held at Pondicherry.
- ii) Worked as a Seminar Co-ordinator for One Day Seminar on 'Recent Amendments in Cost Audit and Cost Record Rules' held in our College, wherein 100 teacher participants and 200 participants were present.
- iii) Was invited as a Guest Speaker by the following colleges during the year 2011-12 :
  - (a) B. M. College of Commerce, Pune
  - (b) T. C. College, Baramati
  - (c) Abeda Inamdar Sr. College for girls
- iv) Was invited as the Chairman of the Technical Session for a Seminar on 'New Mechanism of Cost Audit' a National Level Seminar held at Indrayani Mahavidyalaya, Talegaon Dabhade, Dist. Pune  
Presented a paper in the form of Case Study in the Seminar on "Recent Amendments in Cost Audit and Cost Record Rules' held in our College.

**CA Rasika P. Date**

- i) Delivered guest lectures on Accounting Standards, IFRS etc. for NET/SET Remedial coaching classes organised by the Department of Commerce and Research Centre, (DCRC) University of Pune during May 2011.
- ii) Delivered guest lectures on IFRS, Environmental Accounting, Accounting for Carbon Credits for M. Com and M. Phil. classes organised by the DCRC, University of Pune during Aug. 2011.
- iii) Presented a paper titled 'Conceptual Framework of Cost Accounting and Reporting' in a Seminar on Recent
- iv) Worked as Judge for the Debate competition and photography presentation competition held in the College.
- v) Guided two students for Zonal Level Avishkar Research Project Competition. Of these, Project titled 'A Study of Customer Based IT services rendered by Urban Cooperative Banks in Pune City' was selected for the University Level round of Avishkar Research Project Competition.
- vi) Presented a paper titled 'Implementation of IFRS- Some practical Aspects' in State Level Seminar organised by Smt. Kashibai Navle College of Commerce, Pune. This paper was awarded 'Best Paper Prize.

**Prof. Dattatraya P. Mule**

- i) Attended a workshop on 'Syllabi Revision of Accountancy' at H.V. Desai College, Pune. Delivered a speech including the suggestions to be incorporated in the proposed syllabi.
- ii) Arranged various activities for the personality Development of the students of commerce in the capacity of Chairman of Commerce Association.
- iii) Worked as examination coordinator.
- iv) Worked as an advisor of Class Variety Programme in the Annual Social Gathering.

**Prof. S. R. Hirwe**

- i) Presented a paper in the seminar on "Changes in Cost Accounting Record Rules and Cost Audit Report Rules" held in our College and worked in organizing committee.
- ii) Power Point Presentation given on "Target Costing" to students of T.Y. B.Com "C" Division.
- iii) Judged the "Mad AD Competition" held in the college .
- iv) Worked as a co-ordinator for a. Environmental Awareness Course at S.Y. B.Com; b. B.C.A. Commerce

- v) Worked in organizing committee of Workshop of English Department.
- vi) Recording at Vidyavani (E.M.R.C.) a. N atya Vachan; b. Discussion on women's right.

**Prof. Swati Ahiwale :**

- i) Worked as member in organizing committee at university level seminar on Recent Amendment in Cost Accounting Record Rules and Cost Audit in our college.
- ii) Active participation in seminar "Research Methodology" at Poona College.
- iii) Active participation in Census work of Pune Municipal Corporation.
- iv) Worked as Member of Attendance committee.
- v) Worked as Member of Health Check up Committee.
- vi) Worked as member of Commerce Association.
- vii) Worked as a member of Gathering Co- ordination Committee

**Prof. Rupesh D. Bansode:**

- i) Attended a workshop on 'Syllabi Revision of Accountancy' at H.V. Desai College, Pune.
- ii) Worked as member in organizing committee at university level seminar on Recent Amendment in Cost Accounting Record Rules and Cost Audit in our college.
- iii) Active participation in Census work of Pune Municipal Corporation.
- iv) Worked as Member of Attendance committee Worked as Member of Health Check up Committee.
- vi) Presented a paper in the State Level seminar on "Human Research Development" organized by B. R. Gholap College, New Sangvi.
- vii) Active Participation In Prize Distribution Committee.
- viii) Active Participation in National Service Scheme.
- ix) Worked as a member of Gathering Co- ordination Committee.
- x) Active participation in seminar "Research Methodology" at Poona College.
- xi) Attended Lecture on Five Habits to Success the Life organized by Statistics Department in our College
- xii) Presented a Paper by using Power Point Presentation in the National Level Seminar on "Challenges and Opportunities of Service Sectors before era of L.P.G." Organised by Hutatma Rajguru Mahavidyalaya, Rajgurunagar, Tal : Khed, Dist - Pune.

**Prof. Parag S. Shah**

- i) Registered for Ph.D.
- ii) Presented a paper entitled 'Soft Skill Development Programme for Employment and Self-employment' in State Level Seminar organized by B.R.Gholap College, Sangvi.
- iii) Member - Organising Committee for seminar on 'Recent Amendments in Cost Accounting Record Rules and Cost Audit' organized by Modern College, Pune 5.
- iv) Delivered a Guest lecture on Soft Skills in Garware College of Commerce, Pune.
- v) Delivered a Guest lecture on Interview Techniques and Creativity Development in C. K Goyal College, Dapodi.
- vi) Delivered a Guest lecture on Advertising in Abasaheb Garware College, Pune.
- vii) Published an artic e in Daily 'Aaj ka Anand.'
- viii) Ranked 1st in Certificate course in 'Modi Script' conducted by the Department of Commerce, Modern College, Pune
- ix) Judged the "Group Discussion Competition" held in the college.

**New Appointments**

Prof. Moreshwar Y. M. has been appointed as Full Time Assistant Prof.essor in Commerce from 1st February 2012.

**Retirement**

CA Prof. Suresh K. Mehta retired on 31st January, 2012, after the service of 33 years.

**Death**

The Department deeply mourns the death of former Prof.essor of Cost Accounting, CMA Pramod D. Parkhi.

*- Dr. Y. R. Waghmare*

Vice-Principal and Head of the Department

## 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.)
4. **Names of Interdisciplinary courses and the departments/units involved:** Nil
5. **Annual/ semester/choice based credit system (programme wise):**  
 B.Com.: Annual Pattern  
 M.Com.: Semester Pattern  
 Bachelor of Business Administration (B.B.A.): Semester Pattern  
 Bachelor of Computer Application (B.C.A.): Semester Pattern
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 Pricpal	Commerce	12	-
Prof. Philomena Rudolf Fernandes	MA, B.Ed., NET ,Pursuing Ph.D.	Assistant Professor	Economics	9	-
Prof. Sangeeta Mavale	M Com, MPM	Assistant Professor	Commerce	9	-
Prof. Mina Gawande	MSc, M.Phil. (Stats)	Assistant Professor	Commerce	4	-
Prof. Swapna Tekale	Msc. , MCA	Assistant Professor	Computer Applications	4	-
Prof. Pravin Salunke	M Com, GDCA, SET, CA-IPCC	Assistant Professor	Commerce	4	-
Prof. Vaishali Doshi	M Com, CS-Inter, NET	Assistant Professor	Commerce	4	-
Prof. Shruti Pawar	MCS	Assistant Professor	Computer Science	4	-
Prof. Jasmeet Jangira-Patil	MBA - Marketing	Assistant Professor	Marketing	3	-
Prof. Amol Shinde	MBA – Finance, NET Qualified in June 2011, SAP – ERP (FI/CO), Pursuing PhD in Financial Management.	Assistant Professor	Finance	3	-
Prof. Bhoomika Parmar	M Com	Assistant Professor	Commerce	3	-
Prof. Sonali Raut	MCA	Assistant Professor	Computer Applications	3	-
Prof. Lawly Das	MBA – HRM, M.A – English, Certified Corporate Trainer from British Connections, Pune	Assistant Professor	HRM	2	-
Prof. Snehal Mirajkar	MBA – Finance & Marketing	Assistant Professor	Finance & Marketing	2	-
Prof. Vaibhav Thakare	MCA	Assistant Professor	Computer Applications	2	-
Prof. Gauri Khire	MCA	Assistant Professor	Computer Applications	2	-
Prof. Pradnya Khalane	MCA, MSc(maths) , NET(CS)	Assistant Professor	Computer Applications	2	-
Prof. Shreya Vaidya	M Com, CWA-Inter, SET	Assistant Professor	Commerce	1	-
Prof. Vanita Patil	MCA	Assistant Professor	Computer Applications	1	-
Prof. Prashant Patil	MCA	Assistant Professor	Computer Applications	1	-
Prof. Aditi Patil	B.C.S., M.C.A.	Assistant Professor	Computer Applications	1	-

**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

**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

**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
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**

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

B.B.A.: 100%

B.C.A.: 100%

M.Com.: 100%

- 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:**

**Name of the Faculty:** Prof. Sangeeta Mavale

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

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

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

#### 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

#### B.C.A.

Name of the course/ Programme	Applications received	Selected	Enrolled		Pass %
			M	F	
2011-2012	142	117	67	50	66.67

#### 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

### 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

#### BCA

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

#### MCA

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

### 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

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

YEAR	Total Number of students
2011-12	31

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

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

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

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

- Poster Competition on the topic of Cyber Security
- 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:

- 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 Pratishthan, Drishti Group as well as eminent speakers like Shri. Vishwambhar Chaudhari, Shri.Milind Ekbote, Smt. Renutai Gawaskar, Adv. Asim Sarode,

Dr.S.K.Lodha, Dr.Satish Desai, Shri.Bhanupratap Barge visited our campus to interact with the students and to motivate them in getting involved in various social activities like help the poor, save animals, empower women , Young Movement against drugs and alcohol, Social Networking , clothes and book donations, etc.

- Students of department of B Com actively participate in “Social Week” which is organized every year in the month of December. In this week students pay social visit to hospitals, Orphanages, Blood donation camps are organized.
- Our students also participate in “Road safety Week” in the month of January as directed by RTO. Students are actively involved in cleanliness drive .Street plays are organized creating awareness about various social issues.
- In order to sensitize the students towards martyr of freedom struggle various lectures were organized.

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

#### Strength:

- BBA, BCA and B.Com. programs provides the basic platform for the students. These courses aim at acquiring the skills, which are highly demanded in the industry.
- Students are trained according to the demands of the industry and economy. Teachers are young, dynamic and well qualified and have registered for PhD. They are also actively involved in syllabus framing, research activities, developing teaching techniques and organizing various curricular and co-curricular activities
- By inviting experts from various fields like IT, finance, marketing, HR, etc the department provides professional touch to the courses offered.
- Numerous activities are conducted to develop & improve professional skills through presentations, group discussions, role-plays, etc.
- A system of Class Advisors is used to implement Mentorship.
- For overall development of students we encourage them to participate as well as organise co-curricular & sports activities. Our students have achieved exemplary results in various sports events at zonal, state & National level.
- Youth week and ‘Aarohan - Exploring Limitless Talent’ (annual college fest) is celebrated to encourage engagement and participation of youth, essential to achieve sustainable human development.
- Department identify academically weak students & holds remedial classes.
- Student participation in NSS & NCC provides opportunity in serving the social and National Goal of education.
- 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,2011	Induction Programme for FYBCom
2.	28 <sup>th</sup> July, 2011	Guest Lecture on Global Warming by Mr. Niranjan Ghate
3.	14 <sup>th</sup> August, 2011	Visit to Paraplegic Centre, Khadki

4.	22 <sup>nd</sup> August, 2011	Dahihandi Programme, Kasaba Peth
5.	5 <sup>th</sup> September, 2011	Teacher's Day celebration
6.	29 <sup>th</sup> September, 2011	Guest Lecture and PPT Presentation on E Governance and E-filling By CS. Nishad Umranikar
7.	November 2011	Mid-term Examination
8.	12 <sup>th</sup> December, 2011	Session on Soft Skills and Resume Writing by Prof. Pallavi Math
9.	January, 2012	Commerce Day Celebration
10.	March/April, 2012	University Examination

## Department of Computer Science

- Name of the department:** Computer Science
- Year of Establishment:** 1986
- Names of Programmes / Courses offered (UG, PG, M.Phil, Ph.D, Integrated Masters; Integrated Ph.D, etc.):**  
UG Courses: B.Sc. (Computer Science)  
PG Courses: M.Sc. Computer Science
- 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)
- 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:**

	Name of the staff member	Department	Subject Name	Year
	Prof. Sonali Vetal	Biotechnology	Fundamentals of Computer	2010-11 2011-12

- Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil
- Details of courses / programmes discontinued (if any) with reasons:**
- 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	17
2	Prof. Mrs. Manisha S. Suryawanshi	M.C.S., M.Phil	Asst. Professor	Computer Science	17
3	Prof. Mrs. Sangeeta S. Raut	M.Sc. ADCSSA	Asst. Professor	Electronics	15
4	Prof. Mrs. Madhuri S. Ghanekar	B.Sc. Applied, M.C.M.	Asst. Professor	Computer Management	13
5	Prof. Abhijit V. Sathe	M.C.S.	Asst. Professor	Computer Science with Specialization in Scientific Computing	13
6	Prof. Mrs. Shilpa R. Dange	M.C.A., M.Phil. Ph. D. pursuing	Asst. Professor	Computer Science	10
7	Prof. Mrs. Anjali S. Sardesai	M.C.S., SET, NET	Asst. Professor	Computer Science	10
8	Prof. Mrs. Vaishali C. Bhoite	M.Sc., SET	Asst. Professor	Computer Science	10
9	Mrs. Kalyani Salla	M.C.S., M. Phil.	Asst. Professor	Computer Science	8
10	Prof. Mrs. Shweta Khadse	M.Sc., NET	Asst. Professor	Computer Science	10
11	Prof. Sanjay Mahajan	M.Sc.	Asst. Professor	Computer Science	7
12	Prof. Mrs. Sheetal Patil	M.Sc.(Comp. Sci.), SET	Asst. Professor	Computer Science	3
13	Prof. Mrs. Sonali Vetal	M.Sc. (Comp. Sci)	Asst. Professor	Computer Science	2
14	Prof. Mrs. Supriya Shinde	M.C.A.	Asst. Professor	Computer Science	1
15	Prof. Mrs. Sonali Deshmukh	M.C.S., NET	Asst. Professor	Computer Science	4
16	Prof. Kiran Kulkarni	M.C.A.	Asst. Professor	Computer Science	2
17	Prof. Sameer Badmanji	M.C.M.	Asst. Professor		14
18	Prof. Sanjay Daf	M.Sc. (Elect) PGDCS	Asst. Professor	Electronics	16

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

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

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

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

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

UG : 18:1; PG : 20:1

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

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

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

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

Qualification	PG	M.Phil.	Ph.D.	D.Litt.	D.Sc.
No. of Staff	22	03	-	-	-

**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	Theory of Computer Science
		Compiler Construction,
		Operating System Concepts,
		Theory of Computer Science, 2010
		Compiler Construction, 2010
Pune University	T.Y.B.Sc. Practical Workbook	

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

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

**21. Faculty as members in**

- a) National committees: NIL
- b) International Committees: NIL
- c) Editorial Boards:

1. Prof. S. S. Deshmukh

- Pune International Center (PIC)

## 22. Student projects

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

Academic year	MSc	MCA
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
2011-12	91%	98%
2010-11	92%	90%

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

- Prof. Mrs. Madhuri Ghanekar presented a research paper entitled 'Management of e-waste: A case study of Pune' at the National Conference on Hazardous E-Waste Management at Modern College in Dec'13 and also received '2<sup>nd</sup> Best Paper Award'.
- Prof. Kalyani Sambhoo, Sanjay Kadam, Ashok Deshpande, 2011, 'Fuzzy Logic in EIA', National Conference on Soft Computing. Poster Received Cash Prize.

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

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

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

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

## 26. Student profile programme/course wise:

### Under Graduate (B.Sc. Computer Science)

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

### 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

### 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

## 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	-	-

### 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	-	-

## 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	-	-

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

## 29. Student progression

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

## 30. Details of Infrastructural facilities:

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

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

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

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

- Fire Extinguishers:**

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

- Printers**



Sr. No.	Particulars	Qty
1	Epson LX 800 without tractor	2
2	Lx 800 Printer	14
3	Lx 800 Printer	2
4	HP 1319 all in one	1
5	HP 1020 printer	2
6	HP 1010 printer	1
7	<b>Total</b>	<b>22</b>

- **Microprocessor Kits**

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

- **Mobile Phones**

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

- **Projectors**

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

- **Air Conditioners**

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

- **Licensed Softwares**

Sr. No.	Particulars	QTY	Sr. No.	Particulars	QTY
1	Visual Basic A.E	1	16	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

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

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

Year	Name of Institute / University / Department/ Agency / Industry	Topic
2011-12	Mr. Harold D`Costa, CTO, Intelligent Quotient Security System	Current and future trends in Ethical Hacking
	Mr. Gautam Rege, Director, Josh Tech	Ruby On Rails

Mr.Amit Bagaitkar, Manager, Symphony	Bioinformatics and genetic Algorithm
Dr.Sanjay Kadam, Senior Scientist, C-DAC,Pune	Neural Networks
Mr.Sushant Poundrik, Senior System Analyst, ,United Software Associates	Web services and Applications
<b>Lecture Series</b>	
1.Mr.Sanjay Katkar, CTO, Quick Heal Technologies	
2. Mr.Anand Das, CTO, Pubmatic Pvt. Ltd.	
3. Mr.Atul Kahate, Sr.Consultant, Oracle Financial Ltd	
4. Mr.Gautam Rege, Director, Josh Tech	
5. Ms.Shraddha Joshi, Senior Software Engineer, PSL.	

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

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

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

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

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

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

#### 5. WORDCAMP

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

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

#### Strengths :

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

- Established in 1986, the Department of Computer Science is a pioneering department in the field of computer science.

#### **Weaknesses :**

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

#### **Opportunities :**

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

#### **Challenges :**

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

#### **Future plans:**

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

#### **Departmental activity:**

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

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

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

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

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

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

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

#### **Activities conducted during the year:**

- Placement Activity
- Student Counseling
- Best Programmer Competition
- Campus interviews
- Seminars
- Workshop
- Group Discussion
- Mock Interview
- Guest lectures
- Single Window – A Centralized Admission Programme
- Departmental Library
- Conduction of Entrance Examination at Mass Level

- Zaroka - The Desktop..... article column

#### Inauguration of Virtual Class Room and Digital Class Rooms:-

Progressive Education Society has spent nearly Rs. 1 crore on the development of Virtual Class room and Digital Class rooms as e-learning facility for effective teaching to our students of Modern College of Arts, Science and Commerce, Shivajinagar, Pune-5. It has modern electronic gazettes for teaching the various subjects.

This facility was inaugurated on Monday, 5<sup>th</sup> December 2011 at the auspicious hands of **Hon'ble Shri. Vilasraoji Deshmukh Central Minister of Science and Technology, Govt. of India, New Delhi Hon'ble Dr. Sanjay Chahande Vice Chancellor, University of Pune, Pune-7** was present as a Chief Guest for the inaugural function.

		
<p>Inauguration of Digital Class Rooms and Virtual Class Room at the auspicious hands of <b>Hon'ble Shri. Vilasraoji Deshmukh Central Minister of Science and Technology, Govt. of India, New Delhi Hon'ble Dr. Sanjay Chahande Vice Chancellor, University of Pune, Pune-7</b> and in august presence of <b>H'ble Prof. Dr. G. R. Ekbote Chairman, P. E. Society, Principal Dr. R. S. Zunjarrao and Vice Principal Prof. Shamkant Deshmukh.</b></p>	<p>Felicitation of <b>Hon'ble Shri. Vilasraoji Deshmukh Central Minister of Science and Technology, Govt. of India, New Delhi</b> at the hands of <b>H'ble Prof. Dr. G. R. Ekbote Chairman, P. E. Society, Pune-5</b></p>	<p><b>Hon'ble Shri. Vilasraoji Deshmukh Central Minister of Science and Technology, Govt. of India, New Delhi Hon'ble Dr. Sanjay Chahande Vice Chancellor, University of Pune, Pune-7.</b></p>

#### SEMINARS

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

Department had organized a One Day Seminar on "Current Trends in Information Technology" for their B.Sc, M.Sc and MCA (Comp Sc) students in the Department of Computer Science.

Eminent IT personalities like **Mr. Swapnil Dharmadhikari** Director, Splashgain Technologies delivered a Lecture on 'Cloud Computing and "Google App Engine". **Prof. A. E. Lagad** explained the core concept of Pointers and bitwise operators by examples. **Dr. Sanjay Kadam, Jt. Director CDAC** delivered lecture on Artificial Neural Network **Ms. Shraddha Joshi**, Senior Engineer, Persistent Systems Ltd explained the concept and use of Advanced .net in development of applications. **Mr. Vikrant Sukhthankar Director Gyanteerth** delivered talk on preparation for facing Aptitude tests and Soft Skills.

#### Details of the teachers who have participated in seminars / workshops:

- Prof. Sangeeta Raut and Prof. Anjali Sardesai attended refresher course organized by Staff Academic College and CINS, University of Pune. Pune-7
- Prof. Shamkant Deshmukh, Prof. Anjali Sardesai, Prof. Kalyani Salla, Prof. Sathe A. V. contributed and worked as a resource person in the preparation of theory and practical courses of M.Sc. (Computer Science) revised syllabus.
- Prof. Manisha Suryawanshi, Prof. Sangeeta Raut attended Three day National Conference on Data Warehousing and Data Mining organized by Abeda Inamdar College, Pune-01.
- Prof. Vaishali Bhoite completed orientation course with "A" grade which was organized by Staff Academic College, University of Pune. Pune-7
- Prof. Abhijeet Sathe worked as a Chairman of the Website Management Committee to keep college website up to date.
- Prof. Kalyani Salla delivered a talk and conducted training sessions for participants in the International Workshop on "Engineering Statistics for Professionals" organized by Indian Institute of Technology, Powai (Bombay) and Thodomal Shahani Engineering College, Mumbai in December 2011.
- Prof. Samir Badmanji had undertaken maintenance work of the computers & allied peripherals of the college. He gave active participation in organizing the M.Sc.(Comp Sci.) and MCA entrance examinations smoothly.

#### Inter College Competitions organized:

The Department had organized **Best Programmer Award** Competition. Prof. Madhuri Ghanekar worked as a Chairperson for this event. **Mr. Sagar Shinde** from T.Y.B.Sc. (Computer Science) was awarded Best Programmer Award for the Year-2011-12. All the teaching staff and non-teaching staff members of the department helped to conduct activity smoothly.

#### Activities and support from the Alumni:

- **Past students have supported in placement of current batch students in the reputed IT industries and in offering training programmes.**
- **Project guidance is made available from alumni to the students by means of lectures, project guidance & counseling sessions.**
- **Group Discussion and Seminars Group discussion sessions of the present students were arranged and seminar sessions of past students are arranged on every Saturday on different topics.**

#### Student achievements and awards:

- Students took lead in organizing Project Exhibition/ Poster Competition and participated in various intercollegiate events. Students secured prizes in the various events.
- Prof. Manisha Suryawanshi, Prof. A. V. Sathe, Prof. Sangeeta Raut, Prof. Ghanekar Madhuri. Prof. Shilpa Dange, Prof. Vaishali Bhoite, Prof. Anjali Sardesai, Prof. Radha Khedekar, Prof. Shweta Khadse motivated students to participate in the various intercollegiate events.

#### Placement Service provided to the students:

- Department of Computer Science has a Placement Cell and runs placement activity through a Placement Cell for Post-Graduate Students and Under-Graduate Students. This year Prof. Manisha Suryawanshi worked as a Placement Co-ordinator and Chairperson of the Placement Committee for the placement activity under her able guidance 93% of students from the Post-Graduate Wing (M.Sc.(Computer Science), MCA) are placed in reputed organizations. All teaching and non-teaching staff members of the Department provided necessary support in smooth conduct of this activity. Under Graduate students are also placed in reputed software companies.

#### Any other relevant information:

- Staff members had taken active participation in the admission process of F.Y.B.Sc. (Computer Science), MCA & M.Sc.(Computer Science) courses.
- A committee was constituted for conducting M.Sc. (Computer Science) & MCA entrance Examination 2011. Dr. G.R. Ekbote (Chairman, P.E. Society) Prof. P. S. Chirputkar (Chairman, LMC), Dr. A. K. Pande (Chairman, LMC), Prof. Mrs. Jyostna Ekbote (Chairperson, LMC) Principal Dr. R. S. Zunjarrao (Chairman of the Committee) provided necessary guidance & administrative support in organizing the entrance examinations smoothly.

- Prof. Deshmukh Shamkant  
Vice Principal and Head, Department of Computer Science

## 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  
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.
- 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	26 yrs	3
Dr. A. H.Shende	M.A. Ph.D.,NET, SET	Associate Professor	Economics	13 yrs	1
Dr. S.S.Deshmukh	M.A. Ph.D. SET	Associate Professor	Economics	10 yrs	NA
Mrs. S.A. Vartak	M.A. M Phil. SET	Asst. Professor	Economics	21 yrs	NA
Miss Padmashri Mujumdar	M.A. M Phil. SET	Asst. Professor	Economics	09 yrs	NA
J.P. Nambiar	M.A. M.Phil.	Asst. Professor	Economics	04 yrs	NA

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

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

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

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

handled by temporary faculty.

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

B.A. : 20:1

M.A.: 12:1

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

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

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

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

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

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

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

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

**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
J. P. Nambiar	-	-	2	-	-	-	2

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

**21. Faculty as members in**

**a) National committees**

**b) International Committees**

**c) Editorial Boards**

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

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

ii) Members : Dr. A. H. Shende, Dr. S. S. Deshmukh, Mrs. S. A. Vartak,  
Ms. P. B. Mujumdar, Dr. N.P. Nambiar, Mr. Sameer Thakur

**22. Student projects**

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

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

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

**Students:**

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

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

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

**a. State:**

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

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

**B.A.**

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

**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

**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

**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

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

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

**30. Details of Infrastructure facilities:**

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

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

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

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

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

- 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 2011-12.

**I. Dr. Madhu Satam, Associate Prof.**

**Head of the Department and Coordinator of PGDFT & PGDBF**

- Research paper presented & published in Indian Economic Journal at the National Seminar of Indian Economic Association on 27<sup>th</sup> -29<sup>th</sup> Dec 2011. The topic "HDI in Maharashtra."
- Research paper presented & published at National Seminar on "Inclusive Growth" at Symbiosis College, Pune on 18<sup>th</sup> Feb 2012. The topic-"No frills account" as a tool for financial inclusion.
- Organized & worked as coordinator of the "Social Science Seminar" in Modern College on 11 Jan 2012. Topic "Present Status of Social Science & Future Prospects". Dr. Gautam Bhong, the Dean of the Mental Moral Science, Pune University inaugurated the seminar. About more than 200 participants attended the seminar.
- Participated in the organizing committee & worked as Chairperson of Registration Committee for International Seminar on "Business in Life Sciences" in Modern College, Pune-05 on 28<sup>th</sup> -30<sup>th</sup> Jan 2012.
- Organized "Banking Day" exhibition in College on 18<sup>th</sup> Jan 2012. Poster presentation on Banking & Finance was done by the students. More than 100 charts & posters were prepared.
- 10 students of Economics Department were sent to Ruia College, Mumbai to participate in various activities called "ELIXIR" a celebration of Economics held on 14-16 Sept 2011. Certificates of honor & merit were given to these students - (Anirudh Gaikwad, Geetanjalijamdar, Vikram Gawde, Akshay Kumbhar, Shruti Nadagauda, Neha Khandre, Shruti Rao, Tushar Khenat etc.
- Worked as a member of LIC and was invited as Subject expert in various colleges, nominated by Pune University.

**II. Dr. Abhay Shende, Associate Professor**

**Research work**

- Submitted Post Doctoral Research Project to UGC, New Delhi on Nov 30, 2011 on the topic 'Challenges before the wadi project of BAIF-A case study of Nasik District'.

**Articles**

- Income Generation in Tribal Areas: An Appraisal of Strawberry Plantation in Surgana Taluka of Nashik District, Ashwattha Vol 5, Issue No 4, Oct-Dec 2011, YASHADA.
- Problems of Marketing of floriculture units : A case study, Southern Economist, October 15, 2011
- Paper Presentation
- Paper presentation and its publication in the proceedings of National Seminar in Poona College of Arts, Science & Commerce on the topic-The wadi project of BAIF(NGO)-A successful case study of poverty alleviation.

**Guest lecture**

- Guest lecture to Post Graduate students of the Department of Economics, Pune University, on the topic 'Review of Horticultural Exports of India' on 1/2/2012
- Worked as a member of the Local Inquiry Committee for affiliation to the courses run at
  - a) Maharshi Karve Stree Shikshan Sanstha's Shree Siddhivinayak Arts & Commerce College Pune-52 in June 2011.
  - b) M.C.E. Society's Arts & Night College, Pune on 10/9/2011.

**III. Sandhya A. Vartak, Asst. Prof.**

- Attended - "Career opportunities in languages after graduation" - two days lecture series 9<sup>th</sup> & 10<sup>th</sup> Jan 2012. Modern College, Pune-05.
- Attended - "Current Status in Social Science & Future Scope" - one day seminar, 11<sup>th</sup> Jan 2012. Modern College, Pune-05.
- Attended - "Two decades of India's Economic Reforms"- understanding poverty, inequality & regional disparities - three day National Seminar, 2<sup>nd</sup> to 4<sup>th</sup> Feb. 2012, S.P. College, Pune-30.
- Attended - "Inclusive growth in India- varied dimensions & challenges" - two day National Seminar, 17<sup>th</sup> & 18<sup>th</sup> Feb 2012. Symbiosis College of Commerce, Pune-411004

**IV. S.S. Deshmukh, Asst. Prof.**

- Attended three days National seminar on Inclusive growth, organized by Indian Economic Association in Dec. 2011 (27, 28, 29) at Bharti Vidyapeeth University, Pune.
- Attended "Two decade of Indian Economic Reforms"- understanding poverty, inequality & regional disparities- three days National Seminar in S.P. College Pune.
- Attended - "Recent Trends in International Trade" - two days State Level Seminar in S.S.G.M. College, Kopergaon Tal- Kopergaon Dist. A. Nagar.
- Attended "Current Status of Social Sciences & Future Scope" one day seminar in Modern College, Shivajinagar Pune-05.

**Ms. Padmashree Mujumdar, Asst. Prof.**



- Attended three days National seminar on “Inclusive Growth” organized by Indian Economic Association in Dec2011 at BharatiVidyapeeth, Pune.
- Attended “Career opportunities in languages after graduation”- two days lecture series, 9<sup>th</sup> & 10<sup>th</sup> Jan 2012 at Modern College, Pune-05.
- “Current Status in Social Science & Future Scope”- one day seminar 11<sup>th</sup> Jan 2012 Modern College, Pune worked in refreshment committee.
- Attended three days seminar on 2<sup>nd</sup> to 4<sup>th</sup> Feb 2012 on “Two decades of Indian Economic Reforms”- understanding poverty, inequality& regional disparities organized by S.P. College, Pune.
- Attended & presented paper in National seminar on “Inclusive Growth in India”-varied dimensions & challenges on 17<sup>th</sup> & 18<sup>th</sup> Feb 2012 organized by Symbiosis College of Commerce, Pune. The title of the paper was “Inclusive education- A study of education of children with disabilities in India”.

#### Mrs. Jayashree .P. Nambiar.

- Attended three days National seminar on Inclusive growth, organized by Indian Economic Association in dec.2011 (27, 28 29) at Bharti Vidyapeeth University, Pune.
- Attended one day seminar organized by Modern College on current status in Social Science & Future Scope. Attended three day seminar organized by S.P. College on “Two decades of Indian Economic Reforms”- understanding poverty, inequality & regional disparities.

## Department of Electronic Science

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

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

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

Name	Qualification	Designation	Specialization	No. Of Years of Experience	No. Of Ph.D. Students Guided for the last 4 year
Prof. S.R.Chaudhari	M.Sc.M.Phil	Associate Professor	M.Sc. Physics; M.Phil. Electronic Sc.	24	-
Prof. D.B.Gaikwad	M.Sc. A.D.C.S.S.A.	Associate Professor	Electronic Sc.	24	-
Prof. B.B.Yenage	M.Sc. A.D.C.S.S.A.	Associate Professor	Physics	24	-
Prof. T.B.Sonawane	M.Sc. SET	Assistant Professor	Electronic Sc	04	-
Prof. T.R.Kumbhar	M.Sc. SET	Assistant Professor	Electronic Sc	02	-
Prof. M.R. Bodke	M.Sc.	Assistant Professor	Electronic Sc	06	-
Prof. A.V.Kamble	M.Sc.	Assistant Professor	Electronic Sc	10	-
Prof. P.S.Varade	M.Sc. SET	Assistant Professor	Electronic Sc	10	-
Prof. R.V.Vidap	M.Sc.	Assistant Professor	Electronic Sc	6	-
Prof. Ameeta A Kulkarni	M.Sc.	Assistant Professor	Electronic Sc	10	-
Prof. G.M.Tarte	M.Sc. SET	Assistant Professor	Electronic Sc	04	-
Prof. U.N.Kothavade	M.Sc.	Assistant Professor	Electronic Sc	04	-

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

- Dr U N Hivarkar, IGATE
- Dr A D Shaligram, Professor and Head of the Department of Electronic Science, Pune University.
- Dr. Smt. Damayanti C.Gharpure, Professor, Department of Electronic Science, Pune University.
- Prof. S.B. Bhagwat, Associate Professor, 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. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. And total grants received :**

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

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

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

**18. Publications :**

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

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

**20. Faculty as members in**

- National committees
- International Committees
- Editorial Boards

Nil

**21. Student projects**

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

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

Faculty		
1	B.B.Yenage	Captain NCC
2	A.V.Kamble	NCC
3	P.S.Varade	Best NSS Officer by Pune University
4	S.R.Chaudhari	Vice Principal
Students		
1	Mrs. Varsha Bapat	SET.,Assistant Professor,Modern College ,Ganeshkhind, Pune-53
2	Mr. Rajesh Joshi.	Sr. Manager ,Business Development Dynalog India Ltd.
3	Mr. Sandesh Kashikar	Engineering Manager at Ericsson Austin, Texas Information Technology and Services.
4	Miss. Richa Deshpande	Proprietor ,Eltech Electrodesigns, at Lonavala
5	Mr.Manoj Nerlekar	Police Inspector , Samarth Police Station , Pune

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

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

- Dr.A. D. Shaligram, Head of the Department of Electronic Science Pune University , Pune 411 007
- Prof. Z.B.Pathan , AKI's Poona College of Arts,Science & Commerce, Camp, Pune-411001
- Prof M B Patil, Professor, IIT , Mumbai
- Dr. K.S.Chari, Scientist G, DIT, New Delhi
- Kuber Madhav, Scientist F, DIAT Pune.
- Dr. Satish Sharma, Associate Professor and Head, Department of Electronics and Computer Science, Rashtrasant Tukadoji Maharaj Nagpur University.
- Prof. D. S. Patil, Department of Electronics, North Maharashtra University, Jalgaon [Maharashtra], India.
- Dr. Sharad Pustake, Advisor, Department of Science and Technology Park, Pune.
- Dr. R.K. Kamat, Department of Electronics, Shivaji University, Kolhapur – 416 004.
- Dr. M. D. Uplane, Department of Electronics, Shivaji University, Kolhapur – 416 004
- Dr. Mangesh Kashyap, Society for Environment Education, Research and Management (SEERAM) Varad, 250/A/8,Shaniwar Peth, Pune- 411030 Maharashtra,India.
- Dr. Arvind Joshi President, CanArian International Inc, Toronto, Canada.
- Prof. P.B. Buchade, Head of the Department Electronic Science, Abasaheb Garware College, Karve Road, Pune - 411004.
- Prof. Bhimrao Ladgaonkar, Professor and Head, Post Graduate Department of Electronics,S.M.Mahavidyalaya, 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.

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

#### a. National:

- National workshop on Embedded system Design using ARM processor was held on 2-22 Oct 2008., BCUD Rs. 125000/-

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

#### B.Sc.

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

#### 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

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

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

**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

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

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

**28. Student progression**

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

**29. Details of Infrastructural facilities**

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

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

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

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

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

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

Course	Duration	Batches
Embedded System Development with Hands-ontraining using ARM processor	20- 22 October 2008.	One
State Level PLC Training Program with hands-onExperience	20-24 March 2008	one
Digital System Design Using VHDL	13 March 2010	one
Robot Workshop 8051 based Firebird robot as a platform to study embedded C for 8051.	24 Sept 2011	one
one day college level Imagine 2011 poster competition cum presentation	25 <sup>th</sup> February 2012.	One
one day college level Imagine 2012 poster competition cum presentation	25 <sup>th</sup> February 2012.	One
This two day state level workshop on Digital System Design using VHDLon CPLD board	10 and 11 February 2012.	One

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

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

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

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

**34. SWOC analysis of the department and future plans :****Strength:**

- Well equipped laboratories

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

#### Weakness:

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

#### Opportunities:

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

#### Challenges:

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

#### Future plan:

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

#### Departmental Activity:

Department of Electronic Science of the college is actively engaged in various academic, curricular and extracurricular activities throughout the year. The student strength of the department is about 630, which includes Junior, Senior and P.G. students. Post Graduate Research Centre in Electronic Science was sanctioned by University of Pune from July 2011.

#### • Activities conducted during the year 2011-12

1. Practical Handbook prepared for F.Y./S.Y. B.Sc. Computer Science and Electronic Science students.
2. Laboratory Manuals for M.Sc. Electronic Science were prepared for the practical courses: Analog Electronics and Embedded system.
3. More than 250 e-books of subject electronics are made available to students. Also more than 100 e-magazines made available in the form of pdf files to the staff and students.
4. Remedial coaching for F.Y.B.Sc. students were conducted in the month of November 2011.
5. Prepared hardware and manual for CPLD workshops conducted at Pune University, Nagpur University and State level workshop held in February 2012 at our college.
6. Lab manual on PSPICE practical is prepared for M.Sc. students.
7. Electronics Excellence Examination (EEE) organized by Society for Promotion of Excellence in Electronic Discipline (SPEED) was conducted on 03<sup>rd</sup> December 2011. Fifteen students appeared for the examination and 10 qualified in it.
8. Prof. D.B. Gaikwad, U.N. Kothawade, G.M. Tarate conducted 3 day workshop for teachers in electronics on refresher course by Department of Electronic science, University of Pune.
9. Prof. D.B. Gaikwad, Prof. U.N. Kothawade, Prof. G.M. Tarate, Prof. K.K. hole conducted 3 day workshop at Department of Electronic science, University of Nagpur on 13, 14, 15 December 2011.
10. Prof. D.B. Gaikwad, Prof. G.M. Tarate, Prof. U.N. Kothawade conducted one day workshop on Robotics for M.Sc. students on September 2011
11. Project exhibition on Electronic science projects at PG level was organized on 25<sup>th</sup> February 2012. Winners were awarded prizes with the hands of Principal. Dr. R.S. Zunjarrao.
12. State level workshop on "Digital system design using VHDL on CPLD board" was organised by the department on 10, 11 February 2012.



State level workshop on "Digital system design using VHDL on CPLD board" was organised by the department on 10, 11 February 2012.



State level workshop on "Digital system design using VHDL on CPLD board" release of course Material.

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

1. Prof. R.V. Vida actively participated in two day workshop entitled "Role of youth in disaster management" held 09,10 July 2011 at B.R. Gholap college.
2. Prof. D.B. Gaikwad actively participated in two week ISTE workshop on "Basic Electronics" organized by IIT Mumbai
3. Prof. D.B. Gaikwad actively participated in one day workshop on syllabus implementation of T.Y.B.Sc. Electronic Science at T.C.College Baramati on 9/01/2012.
4. Prof. G.M. Tarate actively participated in one day workshop on syllabus implementation of T.Y.B.Sc. Electronic Science at T.C.College Baramati on 9/01/2012.
5. Prof. P.S. Varade completed refresher course in Electronic Science 8 /11/2011 to 28/11/2011 in university of Pune.
6. Prof. P.S.Varade attended 3 day workshop on 'solar activity 'on 22, 23, 24 Nov. 2011organized by TIFR Pune.
7. Prof. T.B. Sonawane and Prof. M.R. Bodke completed refresher course at Dr. Babasaheb Ambedkar Marathwada University from 5<sup>th</sup> March 2012 to 27<sup>th</sup> march 2012.

- **Educational Trips**

For better exposure to industry & institute, every year department organizes educational trips /tours. This year department has successfully organized one/two day's trips at different places. These are listed as below.

Place	Staff Members	Students	No. of Days
KISAN Exhibition at Moshi	Prof. B.B. Yenage Prof. R.V. Vidap	12 UG students	17 <sup>th</sup> December 2011
Physical Research Laboratory -Ahmadabad, Science City- Ahmadabad	Prof. G.M. Tarate Miss. Ameeta Kulkarni Prof. Umesh Kothavade Prof. K.K.Hole	40 PG Students	29th Feb 2012 to 5th March 2012

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

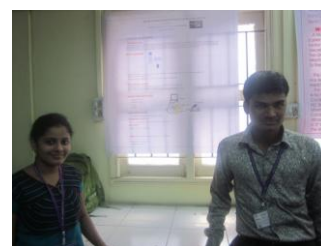
1. Prof. P.S. Varade Selected for Ph/D. in Electronic Science by university of Pune
2. Prof. T.B. Sonawane selected for Ph/D. in electronic Science by Shivaji University, Kolhapur.
3. Prof. B.B. Yenage presented a paper on "Implementation of effective irrigation methods leads to electronic growth" in international conference on business opportunities in life science, organized by Modern college, pune-5 during 28 to 30 Jan 2012.
4. Prof. R.V. Vidap authored two papers entitled "Business opportunities in agriculture using electronic equipments and systems; special emphasis on rural India :A review" and "Implementation of effective irrigation methods leads to electronic growth "and presented in poster presentation in international conference ' ICBOL' at modern college Pune 5 on 28 to 30 Jan. 2012
5. Prof. R.V. Vidap presented a research paper "Some Investigations on Nano crystalline Zinc Oxide thin films "in National conference at Vinayakrao Patil College, Vaijapur, dist Aurangabad. 29, 30 December 2011.
6. Prof. S.R. Chaudhari and Prof. D.B.Gaikwad presented a research paper "MODELING, SIMULATION AND EXPERIMENTAL STUDY OF FIBER OPTIC TILT SENSOR AND ITS APPLICATIONS" in Regional Research conference entitle INNOVATION at M.G.V's Smt. Pushpatai Hiray Arts, Science & Commerce Women's College, Malegaon Camp,Nashik-423105 on 16 March 2012.

- **Guest lecturers organized during 2011-12:**

Sr. No.	Name of Expert	Industry	Topic	Date and Time
1	Dr. A.D. Shaligram	HOD Electronic Science Department, UoP	Research guideline	15th September 2011 4.00pm to 5.30pm
2	Mr. Abhijit Gajare	ACCEL Sysem Pvt Ltd. Pune	Guideline for selection of project	17th September 2011 10.30 to 12.30
3	Prof Z.B. Pathan	HOD Electronic Department Poona College	Analog System Design	21st September 2011 2.00 pm to 6.00
4	Mr. Piyush Manvar	ERTS Lab , IIT Pawai, Mumbai	Robotics Presentation with Demo	24th September 2011 10.30 to 12.30 pm
5	Mr. Pawan kumar Suyawanshi	ERTS Lab , IIT Pawai, Mumbai	Robotics Presentation with Demo	24th September 2011 12.30 to 2.30 pm
6	Mrs. Madhumati Date	Co-ordinator , Virtual Lab,IIT Pawai	Introduction Virtual Lab	28th December 2011 11.00am to 2.00pm
7	Mr. Raju Thombare,	MINDA Industries Ltd.	" Automotive Electronics"	05 Jan. 2012 3.30pm to 5.30pm
8	Dr. Mithali Mirashi	Gee Bee Education	Opportunities in studying abroad	11th jan2012 3.30pm to 5.30pm

- **Project competition Participation:**

1. In Zonal level research project competition AVISHKAR 2011 organized by BCUD, University of Pune in H.V. Desai College Pune on 14<sup>th</sup> December 2011, Mr. Mangesh Dayaphule and Miss. Sheetal Mohite M.Sc. Electronic Science presented a project "Automatic Solar radiation Tracker for Electronic Charger used for Laptop" under Guidance of Prof. S.R. Chuadhari and the project Selected for University Level Avishkar 2012.



2. In University level research project competition AVISHKAR 2011 organized by BCUD, University on 23<sup>rd</sup> December 2011, Prof. U.N. Kothawade guided the students, Mangesh Dayaphule and Sheetal Mohite for project "Maricha, the solar based Charger". This project is selected in state level project competition of AVISHKAR held in Shivaji University, Kolhapur.

3. Prof. U.N. Kothawade guided the students, Mangesh Dayaphule and Sheetal Mohite for project "Maricha, the solar based Charger". Which was presented at sixth Maharashtra State level Inter University Research Convention "INVENT-INCULCATE-DEFINE" AVISHKAR 2011-2012 competition held on 13 to 15 January 2012
4. Prof. Bhavesh Ahire guided a project "SCADA based water control system" of T.Y.B.Sc. Computer Sc. Student and this project won four consecutive First Prize in Intercollegiate Competitions.
5. Prof. Bhavesh Ahire guided a project "Solar based multiple battery chargers" to S.Y. B.Sc. students, this project won second prize in Intercollegiate project competition held at St. Mira College, Pune in January 2012.
6. Advance Biomass Stove Mr. Sumit Gaikwad and Miss Bandana Kumari participated in Avishkar 2012
7. Prof. S.R.Chaudhari worked as Judge for Poster competition at St. Mira College, Koregaon Park on 14<sup>th</sup> January 2012.
8. Prof. S.R.Chaudhari worked as Judge for Poster competition at Dept. Of Microbiology and Dept. of Physics.
9. Virtual Laboratory, 'e-Prayog' Project is conducted with collaboration of IIT, Pawani Mumbai. Department of Electronic Science is a Nodal Centre under this project.
10. A project work 'Microcontroller based customized RF Attenuator' is carried out by Miss. Shilpa Dubal at GMRT Khodad, Narayangaon.
11. A Project work 'Advanced Biomass Stove' is carried out by Mr. Sumt Gaikwad at the company Xmetric Solution, Karve Road Pune-4.



• **Our Alumni activities during 2011-12**

1. Mr. Piyush Manvar, Mr. Raju Thombare taken lead to guide our students for industrial training.
2. Pravin Rane, Rajesh Wagale supported in organizing State level workshop.
3. Mrs. Harsha Bramhe our past student always guides us and work promptly in preparation of teaching materials like laboratory manuals, brochure, flex etc.
4. Mrs. Vaishali Jumde demonstrated ERP software and Online Examination software for e-governance in our college.

• **Achievements by our staff members**

1. Prof. P.S. Varade worked as organizing member for 'Mega summer camp' held from 19 June 2011 - 29 June 11 at Lonavala Pune
2. Prof. P.S. Varade appointed as program officer for post graduate NSS unit of Pune university
3. Prof. P.S. Varade received best team leader award by NSS Pune University on 24 September 2011.
4. Prof. R.V. Vidap delivered guest lecture on "8051 microcontroller and embedded systems" at MMCC college, Pune on 4 and 6 Feb. 2012
5. Prof. B.B. Yenage attended two NCC training camps (ATC) held at Ale phata and NCC group HQ, Pune.
6. Prof. B.B. Yenage conducted blood donation camp on 1 august 2011.
7. Prof. B.B. Yenage participated in tree plantation activity organized by modern college of Agriculture Bio- tech Pune on 21 October 2011
8. Prof. B.B. Yenage worked as member of exam board for NCC 'C' certificate exam 2012, held at NCC HQ Pune on 18 October and 19 Feb. 2012
9. Prof. B.B. Yenage worked as examiner for NCC 'B' certificate exam 2012, held at 36 MAH. Bn. NCC, on 11 and 12 Feb. 2101
10. Prof. B.B. Yenage participated in tree plantation activity organized by modern college of Agriculture Bio- tech Pune on 21 October 2011
11. Prof. B.B. Yenage worked as member of exam board for NCC 'C' certificate exam 2012, held at NCC HQ Pune on 18 October and 19 Feb. 2012
12. Prof. B.B. Yenage worked as examiner for NCC 'B' certificate exam 2012, held at 36 MAH. Bn. NCC, on 11 and 12 Feb. 2012.
13. Prof. R.V. Vidap worked as conveyor of co-ordination committee during annual social gathering 2012
14. Prof. R.V. Vidap worked as chairman of disaster management and campus safety committee and arranged a session of fire fighting and safety demonstration with the team of kasba Peth fire brigade Division for students and staff members on 8 Feb. 2012
15. Prof. R.V. Vidap worked as Chairman Technical Committee in International Conference ICBOLS 28-30 Jan.2012.
16. Prof. T.B. Sonawane worked as NSS committee member and actively participated in NSS activity in NSS camp held at Phulgaon
17. Prof. Y.S. Invited as a judge for project competition of XII standard electronics student, held at Garware college pune-4 on January 2012.
18. Prof. Y.S. Thipse Invited to deliver guest lecture on practical course for XII standard electronics student organized by Maharashtra Mitra Mandal College, Pune on January 2012.
19. Prof. Kapil Hole worked as a volunteer for Arts of Living for the Basic courses of Arts of Living for Happy life with mental piece.
20. Prof. Bhavesh worked as member of coordination tem of event "International congregassion on Universal Brotherhood" under 'Saint Nirankari Mission', held in January 2012.
21. Prof. Umesh Kothvade Deliver Visiting lecture on Embedded System Design using Microcontroller at Art, Science and Commerce College, Raysoni on 17<sup>th</sup> February 2012
22. Prof. S.R.Chaudhari, Prof. D.B. Gaikwad, Prof. B.B. Yenage completed 25 years of service in Modern College this year.

- 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

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

**Participation in teaching to:**

- B. Sc. Bio-Technology and M. Sc. Zoology.

**7. Courses in Collaboration with Universities/Industries/Foreign Institutions:**

- Blended English Course with the British Council Library,
- A course in Translation Studies in collaboration with BITS, Pune, for PG students
- Technoknit, Pune, conducts training sessions for MA students

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

**9. Number of Teaching posts:**

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

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

Name	Qualification	Designation	Specialization	Experience	No. Of Ph.D students guided
Prof. Mrs. Alka A. Kamble	M.A.(Pursuing Ph.D)	Head of the Department	ELT / Dalit & Marginalised Feminism	14 years	-
Prof.Dipali Lodh	M.A. SET	Asst. Prof.	Literature	1 year	-
Prof.Sangita Sarma	M.A., M.Phil.,L.L.B, L.L.M	Asst.Prof.	Language & Literature	4 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	al pub lica tion



	International	National	Presented in Conference	International	National/ Local	Book chapter	
Prof. Mrs. Alka A. Kamble	-	-	3	-	-	-	3
Prof.Dipali Lodh	-	-	6	-	-	-	6
Prof.Sangita Sarma	-	-	2	-	-	-	2

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

**21. Faculty as members in**

**a) National committees :**

**b) International Committees**

Prof. Alka Kamble is associated with Retract International for coordinating various programmes for students in the college.

**c) Editorial Boards**

Prof. Alka Kamble

- o Associated with Dr. Nicole Thiara, Center for Postcolonial Studies, Nottingham Trent University, UK.
- o Member of the Editorial Board of an international conference on 'Employability Enhancement through proficiency in Indian and foreign languages'.
- o 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

**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

**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

**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

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

29. Student progression

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

30. Details of Infrastructural facilities:

- 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

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

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

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

33. Teaching methods adopted to improve student learning:

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

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

Spoken English sessions for communicatevly weak students

35. SWOC analysis of the department and future plans:

**Strength**

- Team work
- Association with language industry professionals

**Weakness**

- Placement activity at departmental level needs to be strengthened.

**Opportunities**

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

**Challenges**

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

**Future Plans**

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

**Departmental Activity:**

Poster Presentation (collage) was organized to enhance the writing and presentation skills of the students in August 2011

Ms. Kalpana Madhyani delivered a lecture on "Importance of Body Language" in September 2011.

On 9<sup>th</sup> and 10<sup>th</sup> January 2012 a Two Day Lecture series was organized on "Career Opportunities in Languages" Following speakers were invited

Mr. Shreedhar Loni (Times Of India) Topic: Journalism

Mr. Sandeep Nulkar (BITS Pune) Topic: Translation Industry

Mr. Sidharth Bendre (Pune Akashwani) Topic: E-Media

Ms. Jagari Mukharjee (Technical Writer) Topic: Technical Writing in Industry

Dr. Sunil Deodhar (AIR Pune) Topic: Script Writing

Mr. Sunil Sahstrabudhe: (Advertising Company): Topic: Advertising Industry and Copy Writing

This Lecture Series received a huge success. 300 students attended lecture series. The students got an opportunity to interact with the experts in their respective fields and avenues in the various fields for the students of languages.

## 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 : Semester Pattern

**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	31	-
Dr. V. B. Kamble	M.A., M.Ed. Ph.D., SET	Associate Professor	Economic Geography	21	-
Prof. N. L. Wayal	M.A., NET	Assistant Professor	Economic Geography	05	-
Dr. A. E. Sonawane	M.A., B.Ed., SET, Ph.D.	Assistant Professor	Population Geography	02	-

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

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

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

U.G.: 34% lectures and 25% Practicals.

P.G.: 33% lectures and 50% Practicals.

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

UG.: 20: 1

PG.: 12: 1

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

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

Technical	Sanctioned	Filled
Class 3	1	1
Class 4	2	2

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

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

16. Number of faculty with ongoing projects from a) national b) International funding agencies and grants received : One (National), Rs, 1,40,000/-

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

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

18. Research Centre / facility recognized by the University:

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

19. Publications :

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

20. Areas of consultancy and income generated:

Every year, the department conducts village surveys at nearby villages. The finding of socio-economic nature from such surveys are discussed with the villagers and they are advised to take appropriate measures to overcome the problems they face. This consultancy by the department is of non-remunative nature.

21. Faculty as members in

- National committees
- International Committees
- Editorial Boards

Sr.	Name	Membership
1.	Dr. Smt. N. J. Kulkarni	Life Member of <ul style="list-style-type: none"> <li>Indian Institute of Geography</li> <li>National Geographer Association India</li> </ul> <ul style="list-style-type: none"> <li>Deccan Geographer</li> <li>Maharashtra Bhoogol Shastra Parishad</li> <li>Member of Editorial Board of 'Earth Exploration', Research Journal July, 2011.</li> </ul>
2.	Prof. N. L. Wayal	Maharashtra Bhoogol Shastra Parishad
3.	Dr. A. E. Sonawane	Maharashtra Bhoogol Shastra Parishad

22. Student Projects :

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

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

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

- Dr. V.C. Vaidya, JNU, New Delhi.
- Dr. Praveen Saptarshi, Indsearch Institute
- Dr. Abhay Deswandikar, IB, Australia
- Dr. Ramhotra, Head, Department of Geography, Shivaji University, Kolhapur.
- Dr. Y. S. Khan, Department of Geography, Solapur University, Solapur.
- Dr. Mrs. P. S. Arkasali, Head, Department of Geography, Mahatma Phule College, Pimpri, Pune.

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

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

- 'A state level conference on Role of Tourism in the Regional Development' was organized on 27<sup>th</sup> and 28<sup>th</sup> February 2012. It was sponsored by BCUD University of Pune (Under Quality Improvement Programme ). One hundred and twenty five participants attended the conference and nearly fifty research papers were presented in the conference.
- The department had organized two days workshop on SET and NET Examinations on 27<sup>th</sup> and 28<sup>th</sup> October 2010.

26. Student profile programme / course wise :

B.A.

Name of the Course/programme	Application received	Selected	Enrolled		Pass %
			M	F	
2010- 2011	239	204	134	79	57.89
2011-2012	246	207	111	96	56.52

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

**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

**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

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

NET / SET Qualified Students: 09

**29. Student progression :**

Student progression	Against % enrolled
UG to PG	10 %
PG to M.Phil.	-
PG to Ph.D	1%
Ph.D to Post-Doctoral	-
<b>Employed</b>	
• Campus selection	-
• Other than campus recruitment	20%
Entrepreneurship/ Self-employment	-

**30. Details of Infrastructural facilities :**

- Library: Central library with separate section of Geography and also departmental library with 366 Books. Digital library is also available.
- Internet facilities for staff & students: Internet facility is available for staff and students with 10 Mbph internet connection.
- Class rooms with ICT facility: Yes
- Laboratories : 03 equipped with ICT facility

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

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

Year	Total number of students
2010-11	51
2011-12	35

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

- Career development programme in NET/ SET: 27<sup>th</sup> and 28<sup>th</sup> October, 2006.
- Research in Social Sciences.
- Competitive Exam Guidance Workshop: - 17<sup>th</sup>, 18<sup>th</sup> and 27<sup>th</sup> January, 2011.

**Experts :**

Shri. Amol Gaikwad                      Prof. Yusuf Shaikh  
 Shri. R. K, Kane                          Prof. Tukaram Jadhav  
 Prof. Sachin Thiswandkar   Prof. Ramesh Dhumal

One day workshop on 'Application of GIS in Population and Settlement Planning and Management' on 5<sup>th</sup> February 2011.

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

- Chalk and talk method
- Use of ICT
- Discussion Method
- Film show on certain topics

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

- A rain water harvesting unit installed by the college is maintained by the Department of Geography.
- Village Surveys are completed to find out Socio-economic characteristics and problems.

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

**Strength :**

- Well qualified and experienced staff
- Enriched collection of departmental books, periodicals and equipments
- Well-equipped and upgraded laboratories.
- Abundant educational aids for teaching Geography.

**Weakness:**

- Constraints arising out of syllabus.
- Traditional evaluation method as per the university policy.
- Placement activity at departmental level needs to be strengthened.

**Opportunities:**

- Shaping the careers of students through self-employment courses like Travel and Tourism, GIS, etc.
- Soft skill development programmes to improve overall development of the student
- Improving communication skills of students of Geography to facilitate their employment prospects

**Challenges:**

- To improve overall personality of students
- To inculcate research aptitude among the students
- Genuine multifactorial limitations of the students coming from varied socio-economic background creates heterogeneity in the class and addressing the needs of all of them in the same class is a challenging task.

**Future Plans**

- Certificate Course in GIS
- Certificate Course in Travel and Tourism
- Post Graduate Research Centre in Geography
- Research Annual in Geography

**Departmental Activity:**

Department of Geography conducted academic and other activities smoothly in the year 2011-2012. In addition to classroom teaching various other activities were conducted by the department at various levels.

**Post Graduate Wing**

1. Village survey of Bhadas was conducted by the department in September 2011 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 29<sup>th</sup> September 2011 a study tour was arranged for M.A. I Geography at Revdanda and Nagaon accompanied by Prof. A. E. Sonawane, Prof. Yogesh Deshpande, Prof. Manasi Desai and Shri. D. M. Raut.

**State Level Conference**

A state level conference on 'Role of Tourism in the Regional Development' was organized on 27<sup>th</sup> and 28<sup>th</sup> February. 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 conference papers were presented in the conference.

**Excursion Tours**

1. On 2<sup>nd</sup> Jan 2012 an excursion tour was arranged for S.Y.B.A. and S.Y.B.Sc. (Geography Special) students at Dive Aagar accompanied by Dr. Nayana Kulkarni, Prof. Vilas Kamble, Prof. N. L. Wayal and Shri. D. M. Raut.
2. On 8<sup>th</sup> Feb 2012 an excursion tour was arranged for T.Y.B.A. students at Wai, Pachgani and Mahableshwar accompanied by Dr. Nayana Kulkarni, Prof. Vilas Kamble and Shri. D. M. Raut.
3. On 12<sup>th</sup> Feb 2012 an excursion tour was arranged for 11<sup>th</sup> Std. students at Nagaon, Kihim accompanied by Prof. V.B. Alhat, Prof. M.S. Salunke and Prof. R.V. Zagade.

**Achievements By Teachers -**

1. Dr. Nayana Kulkarni has been appointed as a Vice President in the executive council of Multidisciplinary International Research Journal "EARTH EXPLORATION".
2. Research paper on 'Population Problems in relation to Food Production in Maharashtra' by Dr. Nayana Kulkarni is published in the "Earth Exploration".
3. A Paper by Dr. Nayana Kulkarni and Prof. Yogesh Deshpande was selected for Poster presentation in International Conference on "Business Opportunities in Life Scnces" organized by Modern College of Arts, Science and Commerce, Shivajinagar, Pune-5 from 28<sup>th</sup> Jan to 30<sup>th</sup> Jan 2012.
4. Dr. Nayana Kulkarni attended National Conference on "Monsoon Forecasting" organized by Modern College Ganeshkhind and Association for Deccan Geographers.
5. A Research Paper entitled "Agricultural Productivity in Maharashtra - A Geographical Analysis" by Dr. Nayana Kulkarni was Presented in the National Conference on Agricultural production and Food Security organized by Sangameshwar College, Solapur.
6. A one day seminar on Job Opportunities in Agricultural Sector organized by Saraswati Night College on 11<sup>th</sup> Feb 2012 was attended by Prof. N. L. Wayal.
7. Prof. Vilas Alhat has successfully completed the course MSACIT FOR TEACHER (IT) conducted by CDAC.
8. Prof. Vilas Alhat participated in the organization of Charitra Pratisthan Lecture series and was invited for guest lectures in Satav College Hadapsar.
9. Prof. M. S. Salunke participated as a resource person in Teachers Training Programme at Malegaon organized by H.S.C. Board in May 2011.
10. Prof. R. V. Zagade successfully completed the course on the "Police Training to Students".

## Department of German

1. **Name of the department:** Department of German
2. **Year of Establishment:** 2010
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**  
B.A. German (General): 2010
4. **Names of Interdisciplinary courses and the departments/units involved:** Nil
5. **Annual/ semester/choice based credit system (programme wise)**  
B.A. German: Annual Pattern
6. **Participation of the department in the courses offered by other departments:** Nil
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.**
  - A1 and A2 courses in collaboration with Max Mueller Bhavan, Goethe Institute.
  - Summur course in German Language with the support of Humboldt University, Berlin.
8. **Details of courses/programmes discontinued (if any) with reasons:** Nil
9. **Number of Teaching posts.**

	Sanctioned	Filled
Professors	-	-
Associate Professors	-	-
Asst. Professors	2	1

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

Name	Qualification	Designation	Specilization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Prof. Sanjeevani Kuvalekar	M.A.	Asst. Professor	German	36	-

11. **List of senior visiting faculty**

Dr. Sunanda Mahajan, Professor, Department of German, Pune University, Pune.

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

B.A. German : 35%

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

BA : 20:1

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

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

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

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

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

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

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

19. **Publications:**

Name of the faculty	Papers			Books			Total publications
	International	National	Presented in Conference	International	National/ Local	Book chapter	
Prof. Sanjeevani Kuvalekar	-	-	-	-	4	-	4

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

21. **Faculty as members in**

- a) **National committees:** Mrs. Sanjeevani Kuvalekar is a member of Der Indische Deutschlehrerverband (InDaF).
- b) **International Committees:** Mrs. Sanjeevani Kuvalekar is a member of **PASCH (Partner Schulen, Germany)**
- c) **Editorial Boards:** Member of Editorial Committees of Tilak Maharashtra Vidyapeeth and Member of Maharashtra State Board.

22. **Student projects**

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

- 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 Employabilty Enhansment 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	-

**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

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

**29. Student progression**

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

**30. Details of Infrastructural facilities**

- 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 reperesnt the data of the Arts Faculty.

Academic year	Number of students
2010-11	42
2011-12	23

**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**



### 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:

1. The first ever German language course was conducted by the department. They appeared for the **A1 Mueller Bhavan** exam and passed with flying colors.
2. A two day 'Schattentheater' (shadow theater workshop) conducted by a **German artist Georg Mertins** was held on 23<sup>rd</sup> and 24<sup>th</sup> September 2011 in the college. Our students as well teachers participated in the workshop with great enthusiasm. The workshop was indeed a helpful one and motivated all.

**Georg Mertins**, being an artist and had taken up a topic for the workshop, namely 'Environment'. Thus the workshop also created awareness about environment protection.

3. Our college got first prize in the 'Greening with Goethe' project which was organized by MMB Bangalore. It was an international environmental project competition for PASCH school students in which 36 schools and colleges had participated. **Prof. Narendra Naidu** guided this project under the leadership of our student **Vedant Kadam**.
4. **Verena Rechberger**, an intern from Austria was invited by our department to give cultural information about Austria.

#### • Achievements of Teachers

1. Two lessons of our faculty **Mrs. Shilpa Rege** were filmed for a Teacher's Training Programme which was developed by MMB Pune, MMB Delhi, University of Vienna and Goethe Institute, Munich.
2. Our faculty **Alka Kulkarni and Shilpa Rege** received a scholarship from **PAD** (German Government) to Germany to observe teaching methods in German schools. It was a three week program in November 2011.
3. **Sanjeevani Kuvalekar** attended the Asian Conference of German Teachers in Delhi from 3-5<sup>th</sup> December. She also participated in a seminar on 'Large Group Didactics' from 8<sup>th</sup> till 11<sup>th</sup> February 2012 in Goa.
4. **Shilpa Rege** taught German at a youth camp conducted by PASCH which was held at Hidden Oasis, Saswad in April 2012.

#### • Achievements of students

1. A student, **Geetanjali Nair** attended a youth camp in Germany through an essay writing competition.
2. To promote design and creativity among young students PASCH had organized a Helmet design competition in which our student **Sangita Bijlani** won the first prize.

Our students participated in a film workshop in November 2011.

## Department of Hindi

1. **Name of the department:** Department of Hindi
2. **Year of Establishment:** 1970
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** B.A. Hindi (Special): 2006
4. **Names of Interdisciplinary courses and the departments/units involved:** Nil
5. **Annual/ semester/choice based credit system (programme wise) :**  
B.A.: Annual Pattern, F.Y.B.Com.: Annual Pattern
6. **Participation of the department in the courses offered by other departments:** Nil
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.**  
Nil

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

9. Number of Teaching posts

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

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

Name	Qualification	Designation	Specialization	No. of Years of 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	32	NA

11. List of senior visiting faculty: Nil

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

13. Student -Teacher Ratio (programme wise)

B.A.: 20:1

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

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

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

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

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

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

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

19. Publications:

Name of the faculty	Papers			Total publications
	International	National	Presented in Conference	
Prof. Sunita D. Purohit	2	2	-	4

20. Areas of consultancy and income generated : Nil

21. Faculty as members in

a) National committees

b) International Committees

c) Editorial Boards

- Prof. Sunita Purohit is a member of Board of Studies in Hindi and Examination Board at St. Mira's College, Pune.
- Prof. Sunita Purohit was a member of Editorial Board of International Conference on Employability Enhancement through proficiency in Indian and Foreign languages, organized by the Language Departments of the college.

22. Student projects

a) Percentage of students who have done in house projects including inter departmental/programme: 30%  
Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies: Nil

23. Awards/ Recognitions received by faculty and students

Students

- First Prize for play and two prizes for Best Actor in a competition held by Maharashtra Rashtrabhasha Sabha, Pune. Prof Sunita Purohit won the First Prize for direction.
- Miss Sujata Bhalerao, a student from SY BA got First Prize in essay writing competition organized by Poona College, Pune, in 2010. She also received First Prize in 2011 in an essay competition organized by Modern College, Ganeshkhind, Pune.

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).

#### 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

#### 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

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

#### 29. Student progression

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

#### 30. Details of Infrastructural facilities

- Library:** Centralized Library
- Internet facilities for Staff & Students:** Yes
- Class rooms with ICT facility:** Available
- 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

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

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

- Lectures, discussions in classes, Group Activities, Competitions like Essay Writing, Grammar Workshops, and activities like 'Multiple Words for One'.

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

- Participation in various One-Act Plays for social awareness and current social issues, organized by Maharashtra Rashtrabhasha Sabha.
- Donations offered to various NGO's.

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

##### Strength:

- A good collection of reference books on Hindi literature
- Contribution of the department faculty in co-curricular and extra-curricular activities

##### Weaknesses

- Limited job opportunities for students
- Placement activity at departmental level needs to be strengthened.

##### Opportunities

- To achieve proficiency in Hindi language and thereby contribute to National Integration

##### Challenges

- To overcome the difficulties in introducing Post Graduate course in Hindi
- Genuine multifactorial limitations of the students coming from varied socio-economic background creates

heterogeneity in the class and addressing the needs of all of them in the same class is a challenging task.

### Future Plans

- Hindi Translation Course
- Rajbhasha Hindi Course.

### Departmental Activity:

Every year various competitions are organized by our department.

1. 14th Feb. 2012 : Maharashtra Rashtrabhasha Sabha organized an intercollegiate one act play competition in Hindi language. Modern College, Shivajinagar, Department of Hindi got the overall first prize. Prof. S.D.Purohit got a prize for direction. Prof. Manisha Kamtikar gave active support to this activity. Prof. S.D.Purohit wrote the play.
2. **Individual Activities**  
**Mrs. Purohit S. D.**
  1. 11<sup>th</sup> July 2011 - Participated in Hindi Programme 'Kalash' on Pune Radio. This Programme was a discussion on Autobiographies in Hindi literature. Participants were as follows :- Dr. Keshav Prathamvir 2) Dr. Gajanan Chavan 3) Dr. Jaya Paranjape
  2. Aug. 2011 - Participated in a one day seminar on Higher education in St. Mira's College.
  3. 16<sup>th</sup> Sept. 2011 - Gave a lecture in St. Mira's College and worked as a judge for the advertisement competition.
  4. 14<sup>th</sup> Jan. 2012 - In Aurangabad, Mahagami Academy organized a four day Sharangdev Mahostav. In this festival, discussions and demonstrations were organized on classical dance. Gave a lecture on the book 'Abhinaya Darpan' written by Nandikeshwar.
  5. 19<sup>th</sup> Jan. 2012 - Worked as a Judge for Vocal Music competition Organized by Modern College, Ganeshkhind, Pune.
  6. 23<sup>rd</sup> Jan. & 24<sup>th</sup> Jan. 2012 - Worked as paper setter for S.Y.B.A. & T.Y.B.A. Hind in St. Mira's College, Pune. Also delivered a lecture on 'Kabir' for F.Y.B.A students
  7. Worked as a chairperson of 2011-12 Annual Social Gathering Worked as Chairperson of Yuva Manch and Arts Circle.

## 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	16	-
Dr. M. K. Admane	M.A.,(History), M.Phil., Ph.D.	Assistant Professor	Medival and Modern India	19	-

11. **List of Senior Visiting Faculty:** Nil
12. **Percentage of lectures delivered and practical classes handled (program wise) by temporary faculty:** Nil
13. **Student – Teacher Ratio (program wise):**  
B.A. History: 20:1
14. **Number of academic support staff (technical) and administrative staff; sanctioned and filled- Administrative Staff:**  
One post of Faculty Clerk, in the college office is sanctioned and filled.
15. **Qualification of teaching faculty with DSc / D.Litt / Ph.D. / MPhil / PG.- Ph.D., PG:**

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

16. **Number of faculty with ongoing projects from a) National b) International Funding agencies and grants received:** Nil
17. **Departmental projects funded by DST – FIST, UGC, DBT, ICSSR, etc. and total grants received:** Nil
18. **Research Centre /facility recognized by the University:** Nil

**19. Publications:**

Name of the faculty	Papers			Books			Total publications
	International	National	Presented in Conference	International	National/Local	Book chapter	
Dr. Rajesh Kulkarni	-	-	1	-	8	-	9
Dr. M. K. Admane	-	-	3	-	-	-	3

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

Non-remunerative consultancy on Indian Cultural Heritage and Traditional Knowledge of Meditation has been provided to various sectors of society.

**21. Faculty as members in**

- National committees
  - International Committees
  - Editorial Boards
- Nil

**22. Student Projects:**

Students on their own internet created 2 projects

- Percentage of students who have done in house projects including inter departmental/programme: 100%
- Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies: Nil

**23. Awards / Recognitions received by faculty and students: Nil****24. List of eminent academicians and scientists / visitors to the department: Nil****25. Seminars/ Conferences/Workshops organized & the source of funding:**

- National: Nil
- International: Nil

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

Name of the Course/programme - B.A.	Application received	Selected	Enrolled		Pass %
			*M	*F	
2010- 2011	239	168	117	51	100
2011-2012	246	153	91	62	100

**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

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

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

**30. Details of Infrastructural facilities:**

- Library: Yes. Main Library has reference books, textbooks, special references
- Internet facilities for staff & Students: Yes, 10 mbps leased line
- Class room with ICT facility: Yes
- 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

### 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:

##### Poster Design Competition:

Poster design Competition for students of various colleges was organized in Dec. 2011. O.Ee Subject was- "Atithi Devo Bhava".

##### Essay Competition:

The Department of History and Political Science jointly organized Essay Competition in Dec 2011.

##### Rabindranath Tagore stories on films- 6 DVDs:

The Department of History displayed Gurudev Rabindranath Tagore's stories on films ( 6 DVDs ) for students. O.Ee DVDs were made by the Ministry of Culture and Information and broadcasting, Government of India in Association with NFDC. Dr. Rajesh also introduced the IPT on Gurudev Rabindranath Tagore's National and Humanitarian contribution.

##### E-Tech (E-class) facility for Students:

Dr. Rajesh introduced E-Tech facility for the students of Modern Indian History. It is useful for Blind students as well as general students. It is a pen drive which contains syllabus related lectures. It is in audio form. It can be attached to TV, computer. Laptop, Mobile. It is interactive, easy to use, effective coverage, time saver. E-class is very useful for exams. It is also useful for competitive exam students.

##### Career information scripts for History students:

The department published and distributed Career information scripts for History students. It is based on Dr. Rajesh's Research paper- New Career Scopes in History studies.

##### Seminar Participation:

The department colleagues and students participated in the seminar on- "Current Status and Future Scopes in Social Sciences" Dated- 11/01/2012.

##### Visit to Kashmir Festival:

Kashmir cultural festival was organized by Sarshad society at Shaniwar Wada on 3/21/2012. The History club members visited the festival with Prof. Rajesh. OEis event expressed the information about Tourism and Culture of Kashmir.

#### **Visit to Exhibitions:**

The students of history and History- club members visited with Prof. Rajesh the exhibitions related to art, craft, and culture such as Craifi fair- Krishna Art Gallery on 13/8/11, NABARI) Exhibition on 4/2/2012.

#### **Students's Contribution:**

**Parashuram Chavan** - TYBA student worked hard for history research and various cultural activities.

#### **These activities are -**

- Visited to Panipat war ground in Jan 2012.
- Developed personal Museum.

#### **Work done by Dr. Rajesh Research and Discoveries:**

- 1) Dr. Rajesh successfully completed a research project on "Yoga Nidra – The heritage and its communication systems for Citizens. This project is prepared for YCMOU, Maharashtra.
- 2) Dr. Rajesh Discovered some unknown Meditation practices. OEese meditations are translated in many world languages. This discovery will be introduced on You TUBE and web. The translation languages arc Russian. Spanish. French, Afghani, German Japanese, Chinese, Italian, etc.

#### **Conferences and Events:**

- 1) Worked as a team member of an organizing committee for a Seminar on "Current Status and Future Scopes in Social Sciences". This seminar was organized by Modern College on II Jan, 2012.
- 2) Dr. Rajesh was invited as a Chief Speaker by Percept International to convey the subject – "Consciousness studies" on 14 October 2011.
- 3) Attended the International Conference of "Life Science" at Modern College, Pune -5. Date- April 2012.
- 4) Dr. Rajesh attended the International Interdisciplinary Conference of History at Garaware College, Pune. Subject - Dr. B.R. Ambedkar's Ideology and Socio-Political Movements in Asia. Date - 1 March to 3 March 2012.
- 5) Attended the State level Seminar in Modern college, Pune-5. Organized by Marathi Department on "Careers in Communication arena". Date- 11-12 March 2012.

#### **Professional Developments:**

- 1) Successfully Completed M. A. Communication in First class with Distinction. This Certiflection is useful to attest mastery on various ways of communication.
- 2) Learnt the basics of Urdu and Sufi music in the guidance of Avalia Biradar. It is informal but mystical knowledge.
- 3) Completed Medical Herbals preparation course. This course is certified by Modern College, Pune 5.

#### **Articles / Press Releases / Research Papers Articles -**

- Dhyanyoga (17/08/11)- "Neuo Way". Souvenir of Neuo Ashram.
- Eshwarashi Bolu Yaa – for Shivmudrankan Patrika.
- The third Picture - Article published in 'Sanvedana' in Oct 2011.

#### **Research Papers / Abstracts / Knowledge sheets -**

- Etihasatil Careeyarchya Navya Sandhi (Marathi)

#### **Books and Scripts**

- 1) **Kaya** - Dr. Rajesh authored a book "Kaya"- the untold Heritage. This book described the mystical yoga kriyas and Meditations. This book has Hindi and English languages. (ISBN NO. 978-81-89634-85-8).
- 2) **Varasa** - This is a photo book on the tradition of Yoga Nidra. OEis book is submitted to YCMOU.

#### **Video and Audio Creation:**

##### **The Following Video and Audio are created by Dr. Rajesh**

- 1) Video - "Mukti"- The wings of Freedom (About humanity, freedom and human Rights).
- 2) Audio – "Shanti Dhyan" (A Meditation Audio CD of an ancient Tibetan meditation practice.)

#### **Work with Corporate world and Entrepreneurs**

- 1) Outline media - Created video Shanti Dhyan. Also working on video "AtmaSiddha" (The Marma Vidya of Yogic war art).
- 2) Assets retailers - Dr. Rajesh supplied some collection of cultural assets (such as Art paintings, Yoga Sculpts, tribal handicrafts, etc.) to the assets retailers.
- 3) Consultancy for corporate world - Dr. Rajesh gave consultancy of Stress management by ancient Meditation techniques. Dr. Rajesh taught ancient meditation ways for stress management, energy healing, Confidence and graceful body language methods by yoga Sutras to the corporate people.

#### **With Government Institutes**

- 1) **Visit as a LIC committee member of Pune University:** Dr Rajesh Visited Abeda Inamdar College - Pune, as committee member of LIC by Pune University in Sept. 2011.
- 2) **Diplomacy for Tibetan Government:** Dr. Rajesh is contributing Cultural- humanitarian Diplomacy for Tibetan Government and Tibetan people by creating awareneas about Tibetan freedom and Demands of Tibetan people in Young Indian Leaders, business world, important people of society, various groups and media by correspondences, dialoguea, etc.

#### **Creative works, Humanitarian and Social Activities**

##### **Following Humanitarian Activities wert done by Dr. Rajesh in 2011-2012:**

- 1) Exhibitions on Buddha Paintings: Date. 25/12/2011 Venue - Nalanda Buddha Vihar, S. B. Road, Pune.
- 2) Programmes on Yoga Stories: Date- FISH Gruha , Gokhale Mars, Pune 16. Venue- 21/10/2011 and 07/ 0112012
- 3) Cartoons Exhibition: Date- 27/12/2011 -26/01/212 Venue- Mitra Mandal Hall! Model Colony/ Bharat Pratistban. (Also displayed on various lactations).
- 4) Work for Tibetan refugees and Tibetan freedom movement by supporting Tibetan monks from DhramShala - Himachal Pradesh. Date- 13/09/11.
- 5) Training sessions attended on Census of India. Date- 29-30/09/2011. Venue- Palakar Shala, off. Modern College, Pune-007.

- 6) Anti Terrorist work by contributing will Borderless foundation. Date- 11/08/2011 and often Pune office- Prabhat Road, lane no – 8, Jammu and Kashmir office, Kupawada and Shnnagar.
- 7) Work for poor students by donating educational apparatus. Date- Various times. Venue- Wadarwadi/Dattawadi/Bopodi slums.
- 8) Humanitarian Work by workshop and gathering on empowerment for poor women/widows with Neuo (NGO). Date- 14/09/2011. Venue- Niljyoti, Nr. S.B. Road, Pune.
- 9) Helped orphan kids (Matoshri Anathalaya, Pune) with Neuo (NGO). Date- 05/01/2012 (and often) Venue- Matoshri Anathalaya, Pimple Gurav, Pune.
- 10) Work for Cops by creating Meditation Audio - Shanti Dhyana. Date- 17/11/2011 Venue- Creation-Outline studio/ Distribution - to various Cops.
- 11) Heritage Assets Collection: Dr. Rajesh has collected Heritage Assets such as – Marble Carvings and fountains, Rare Paintings, golden coins. Sculptures, Decorative items, etc.

#### Speeches/Talks

The following Speeches delivered by Dr. Rajesh –

- 1) Sw. Savarkar Abhyas Mandal- Nashik (28 May 2011)- “Vigyan aani Samaj”.
- 2) EshGruha, Pune - Talks with youth on “Humanity in new Age” (14 Nov 2011).
- 3) Youth and Nation Building – for NavaBharat, Karjat, Dist Raighad. (Nov.2011).
- 4) Lotus Pagoda - Hanuman Hill, Pune “Ancient Yogic war Art” (19 Feb. 2012).

#### Work with NGO and Education Institutes

- 1) Dr. Rajesh guides for historical – cultural Knowledge and Meditation in Neuo Ashram- Pune Center. This year he introduced i)hyanYoga Course for students, women and overseas people.
- 2) As a founder director of Neuolfa International - (the education foundation) he started various short term Professional courses and workshops.
- 3) He worked in Anti –Corruption awareness campaign with NEUO- the Humanitarian NGO. With NEUO Rajesh worked for human relation development of various nations by supporting and helping foreign students as well as tourists in Pune.

#### Selection and Award

- 1) Dr. Rajesh is selected as a core member of Human Rights Protection Association. (Central office, Delhi).
- 2) Humanity forum honored Dr. Rajesh” SiddhaNayaka 2012’ award for his Spiritual and Humanitarian Activities. Award Declared on 12 Jan. 2012.

Work Done By Dr. M. K. Admane Judge for “Debate Competitions Subject- Naxalist Movement and k’s Fearful Aims. Date- 9/2011 Exclusive organizer - Department of Economics, Modern College, Pune 5 Seminar participation

#### Dr. Admane participated in the following seminars-

- 1) Modern College, Ganesh Khind. Subject- Ancient Indian Culture, history and Archeology. Date - 17 / 12/2012.
- 2) Modern College, Pune, 5. Organizer-Social Science Department. Date- 11/10/2011.
- 3) S.P. College . Pune. Submitted Research Paper on- Maratha Historian Dattatray Baiwant Parasnis Vyakti aani Karya. Date-12 Feb 2011. Speech for NSS students - Subject- “Personality Development’. Date- 10/09/2011.

#### Study tours/Visits with Dr. Priya Kulkarni and Students:

- 1) Deccan College Archive. Pune. Date- 1/09/2011.
- 2) Etihasa Sanshodhan Mandal, Pune. Date- 12/08/2011.
- 3) Mahabaleshwar Trip. Date- 11/11/2011.

**Cultural Activity:** Participated in -Poster Competition, Mehendi Competition. Organizer - Arts Circle. Modern College, Pune -5.

#### Personal Contributions:

- 1) Organized (Free of Charge) Regular Pranayama Class at Ganesh Mandir, Indira Shankar Nagari, Paud Road, Pune.
- 2) Organized - Patarijali Yoga Shibir. Venue- Modern College (Assembly Hall). Date- 8/8/2011.
- 3) Declared Prize in the name of - Sumitrabai Bhivgade- (for the scholar student of S. Y. B. A.).

#### Visited as a LIC committee member:

Visited as a team member of LIC by Pune University. Date- 22/01/2012. Venue- G. S. M. College, Yerwada, Pune. External Sr. Senior Supervisor Dr. M. K Admane worked as External Senior Supervisor in Mamasahab Mohol College, Pune. Date- 20 March to 4 September 2012.

- Dr. Rajesh Kulkarni, Head of the Department

## Department of Marathi

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

2. **Year of Establishment:** 1970

3. **Names of Programs / Courses offered**

B.A. Marathi

M.A. Marathi

Ph.D. Marathi

Add-on course on Translation (English to Marathi)

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

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

B.A.: Annual Pattern

M.A.: Semester Pattern

Add-on on Translation: Annual Pattern

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



- Department of Commerce: Functional Marathi
- Faculty of Science: Prescribed Text and Functional Marathi

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

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

9. **Number of teaching posts:**

	Sanctioned	Filled
Professors	-	-
Associate Professors	1	1
Assistant Professors	2	2

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

Name	Qualification	Designation	Specialization	Experience in years	No. of Ph.D. Students are working Under guidance for the last 4 years
Dr. Snehal Tawre	M.A., Ph.D.	Associate Professor	Modern-Ancient Marathi Literature, Linguistics	30	7 and One Foreign Student (Open University, Mauritius)
Prof. Nisha Bhandare*	M.A., NET, M.Phil.	Associate Professor	Modern Marathi Literature, Novel	16	-
Dr. Madhura Koranne	M.A., Ph. D.	Associate Professor	Modern Marathi Literature, Drama	15	-
Dr. Vaijayantimala Jadhav*	M.A., NET,SET, Ph.D.	Assistant Professor	Modern Marathi Literature	5	-

(\* Worked in the Leave Vacancy of Prof. Nisha Bhandare, who was on a sabbatical leave of UGC-FIP for pursuing Ph.D.)

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

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

B.A. Marathi: Nil  
M.A. Marathi: 37%

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

B.A. Marathi: 20:1  
M.A. Marathi: 13:1

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

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

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

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

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

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

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

Post Graduate Research Centre in Marathi is recognized by Pune University

19. **Publications:**

• **Books Edited:**

Dr. Snehal Tawre - 9

• **Books with ISBN/ISSN numbers with details of publishers:**

1. Snehavardhan Prakashan, Pune.
2. Yasawant Publication, Nasik.

Name of the faculty	Papers			Books			Total publications
	International	National	Presented in Conference	International	National/ Local	Book chapter	
Dr. Snehal Tawre	6	5	5	-	15	7	38
Prof. Mrs. Nisha Bhandare	-	-	1	-	-	-	1
Dr. Madhura Koranne	0	3	-	-	3	1	7
Dr. Vaijayantimala Jadhav	1	2	-	-	-	1	4

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

The department provides non-remunative consultancy in publication business.

21. **Faculty as members in**

a) **National committees:** Nil

b) **International Committees:**

- External Guide - Open University of Mauritius
- Dr. Snehal Tawre is a Director of Snehavardhan Research Institute Trust, Pune.

c) **Editorial Boards:**

- Editor at Snehavardhan Prakashan, Pune.
- Member of Editorial Committee for an International Conference on 'Employability Enhancement through proficiency in Indian and foreign languages'.

## 22. Student Projects

- a) Percentage of students who have done in house projects including inter departmental/programme: 100%
- b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies: Nil

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

### Awards by teachers:

#### Dr. Snehal Tawre

- Edited books prescribed as text and reference books in the curricula of various universities in Maharashtra, Telangana, Karnataka, Gujarat, Goa.
- Recipient of the 'Best Teacher Award' in 2011, by Dr. D.T. Bhosale Social Foundation, Pandharpur.
- 'Best Performance Award in Education' by Progressive Education Society, Pune.

#### Dr. Madhura Koranne

- 'Best Performance Award in Education' by Progressive Education Society, Pune, in 2010.
- Received 'Madhav Manohar Smriti Puraskar' (2010) from Rangat Sangat Pratishthan and Sahil Foundation Pune.

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

### 2010-11

- Mr. Ashok Kotawal, Eminent Writer in Marathi Literature

### 2011-12

- Mrs. Nalini Spiraling, Germany
- Dr. P.C. Shejawalkar, Director, Shejawalkar 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 Bhave, 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.

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

- a. National: Nil
- b. International: Nil
- c. State: Nil

## 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

### 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

## 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

### 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

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defence services, etc.: 01

### 29. Student progression

Student progression	Against % enrolled
UG to PG	PG strength is less as compared to UG. Out of Total students admitted for PG, more than 70% are our UG students.
PG to M.Phil.	-
PG to Ph.D.	2%
Ph.D. to post –Doctoral	-
<b>Employed</b>	
- Campus selection	-
- Other than campus recruitment	-
Entrepreneurship / Self-Employment	20%

### 30. Details of infrastructural facilities

- Library - Yes
- Internet facilities for staff & Students - Yes, 10 mbps leased line
- Class room with ICT facility - Yes
- Laboratories - Language laboratory available

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

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

Academic Year	Total number of students
2010-11	51
2011-12	31

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

- Guest lectures
- Seminars

#### 2010-11

- Organized a lecture by Mr. Ashok Kotwal on 'Prathanechi Granth'

#### 2011-12

- Organised a lecture by Nalini Spiraling on 'Germany aani Bharat Yanchyatil Shaikshanik Prawas'.
- Organised two days Seminar on 'Druk-Shravya Mahitipatanchi Nirmaitiprakriya'
- Organized Diploma in Translation Course.

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

- Traditional method
- Use of ICT in few classrooms
- Debate competitions
- Essay writing sessions and competitions

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

- Through NCC and NSS, Vidyarthini Manch.
- Proof Reading Course for neighborhood community

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

#### Strength:

- Every member of the staff has PG teaching recognition
- Books written by the staff members are prescribed by Pune University and other universities.
- Members of the department have published many research articles in various research journals.

#### Weaknesses:

- In Maharashtra, less number of students offers Marathi at BA special level.
- Placement activity at departmental level needs to be strengthened.

#### Opportunities:

- Involving more number of students in cocurricular and extra curricular activities leading to improved abilities and personalities
- Improving fluency in the language and communication skills among the students.
- Teaching Marathi to non-marathi people coming in large number due to employment and other opportunities in Maharashtra

#### Challenges:

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

#### Future Plans:

- Better infrastructure for research.
- The Post Graduate Research Centre in Marathi will be publishing a research journal 'Samshodhan Vishwa'.
- The department will start an add-on course named 'Vani' to improve the knowledge of Marathi for the international students as well as for the local students.
- Add-on course on
- Drama and Stage Performance
- Event Management.

**Departmental Activity:**

Marathi department is always trying to generate liking for Marathi language in maximum student. All professors of our department always keep on trying through speeches on different subjects, group discussion and through different programs for enlightenment of our student and to utilize their knowledge in different field.

There are total 31 students who are doing masters in Marathi subject and 25 students are doing graduation in Marathi. We have organized one lecture on 'Garman ani Bharat Yanchyatil Kshyikshanik Pravast' on 17<sup>th</sup> December 2011 by Smt. Nalini Sparling who came from Germany. Student clarified their queries by asking questions. Introductory speech was given by Dr. Snehal tawre and thanks given by Dr. Madhu Samat.

We have organized two days discussion on 5<sup>th</sup> & 6<sup>th</sup> March 2012 by Modern College & Quality development program on 'Druckshravya Mahitipatanchi Nirmittiprakriya and Udyoganchya Vividh Sandhi'. Inauguration of this program was by Dr. P. C. Shejavalkar. Chief Guest Was Shri. Satish Alekar and Head was Dr. Gajanan Ekbote. Karyaadyksha- P. E. Society, Dr. Rajendra Zunzarrao-Prof. Modern College, Prof. Shamkant Deshmukh- Sachiv, P.E. Society and Dr. Snehal Tawre was present on dais. There are total 8 programs in this discussion. On Music Shri. Kedar Bhagvat and Shri. Shri. Pramof Ranade, On Code writing research Smt. Swati Patankar and Smt. Pratibha Shahu Modak, On photography Dr. Raja Pokharapurkar and Dr. Vidyagauri Tilak, on Nivedan Shri. Vishram Vaidya, Swati Patankar, Dr. Madhavi Vaidya, about compilation Shri Nandakishir Jadhav, Shri. Anant Bhawe, About production Shri. Kamlesh Chagedia, Smt. Lalan Sarang gave speech & gave presentation on different divisions. At the end of the program Dr. Ashok Chaskar, Dean, Arts Dept. Pune University, Prof. Smt. Jotsna Ekbote, Member of Regulatory Board, P.E. Society are chief guests and on presidents place Shri. Vishwas Mehendale was present. The tanks giving of this discussion was done by Dr. Snehal Tawre. Anchoring was done by Prof. Vandana joshi, Prof. Nisha Bhadare, Prof. Madhura Korane, Prof. Vandana Chavan, Prof. Leena Patankar and Prof. Vishali Aaher. Professor from different colleges from all over Maharashtra were present for this discussion.

One year translation section was organized by Marathi department. Students for college and from outside of the college were present for this section. Sections were teaches by Dr. Supriya Sahastrabudhe. Certificate for successful students were distributed on birthday of great poet Kusumagraj and on Marathi language day.

**Work done by Dr. Snehal tawre**

- 1) Lecture on 'Maharashtra Day' at Bansilal Agrawal Hindi High school on 1<sup>st</sup> May 2011
- 2) Worked as a trainer on 18<sup>th</sup> May 2011 for Maharashtra Granthejak Sanstha.
- 3) Got Keshav Bhikaji Dhavle great publisher award 2008 on 6<sup>th</sup> July 2011.

- Dr. Snehal Tawre  
Head, Department of Marathi

## Department of Mathematics

1. **Name of the department:** Department of Mathematics
2. **Year of Establishment:** UG: 1970, PG: -
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):**  
B.Sc. Mathematics  
M.Sc. Mathematics
4. **Names of Interdisciplinary courses and the departments/units involved:** Nil
5. **Annual/ semester/choice based credit system (programme wise):**  
B.Sc. Mathematics : Semester Pattern  
M.Sc. Mathematics : Semester Pattern
6. **Participation of the department in the courses offered by other Departments:**
  - Design and Analysis of Algorithms, Numerical Analysis, Discrete Mathematics, and Operational Research from the Department of Computer Science
  - Business Mathematics and Statistics from the Department of Commerce
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil
8. **Details of courses / programmes discontinued (if any) with reasons:** Nil
9. **Number of Teaching posts:**

	Sanctioned	Filled
Professors		
Associate Professors	1	1
Asst. Professors	6	6

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

Name	Qualification	Designation	Specialization	Years of Experience	Ph.D. Students guided
Prof. D. S. Mane	M.Sc.	Associate Professor	Mathematics	20 yrs	-
Dr. A.N. Bhavale	M.Sc., Ph.D., NET	Head of the Department	Mathematics	13 yrs	-

Prof. P.V. Gadagkar	M.Sc.,NET SET	Assistant Professor	Mathematics	3 yrs	-
Prof. P.M. Paratane	M.Sc., NET SET	Assistant Professor	Mathematics	17 yrs	-
Dr. N.H. Mahajan	M.Sc., M.Phil., Ph.D.	Assistant Professor	Mathematics	19 yrs	-
Prof. M.S. Rane	M.Sc.,NET	Assistant Professor	Mathematics	3 yrs	-

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

- Dr. B.N.Waphare, Ex-Head and Professor, Department of Mathematics, Pune University, Pune.
- Dr. M.M.Shikare, Ex-Head and Professor, Department of Mathematics, Pune University, Pune.
- Dr. V.V.Joshi, Associate Professor, Department of Mathematics, Pune University, Pune.

**12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty : UG: 0% PG: 80%****13. Student -Teacher Ratio (programme wise):**

B.Sc.: 15:1  
M.Sc.: 12:1

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

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

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

Qualification	PG	M.Phil.	Ph.D.	D.Litt.	D.Sc.
No. of Staff	5	-	2	-	-

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

Dr. A. N. Bhavale: Principal Investigator of one Minor Research Project (2009 - 2012) from BCUD, Pune University, Pune. Grants received Rs. 1,00,000/-.

**17. Departmental projects funded by DST – FIST, UGC, DBT, ICSSR, etc. and total grants received: Nil****18. Research Centre /facility recognized by the University:**

Two faculty members have completed the Ph.D degree and two are pursuing their Ph.D. from Pune University, Pune. The department intends to apply for the Research Centre in the near future.

**19. Publications:**

Name of the faculty	Papers			Total publications
	International	National	Presented in Conference	
Dr. A.N. Bhavale	-	-	11	11
Prof. P.V. Gadagkar	-	-	1	1
Prof. P.M. Paratane	-	-	1	1

**20. Areas of consultancy and income generated: Nil****21. Faculty as members in**

- National committees
- International Committees
- Editorial Boards

Dr. A.N.Bhavale is a Life Member of Indian Mathematical Society (IMS) and Indian Science Congress Association (ISCA).

**22. Student projects**

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

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

- Dr. B.N.Waphare, Ex. Head and Professor, Department of Mathematics, Pune University.
- Dr. M M Shikare, Ex. Head and Professor, Department of Mathematics, Pune University.
- Prof. M. Prakash, Director, IIT Coaching Institute, Pune.
- Prof. T.T. Raghunathan, Retd. Professor, Department of Mathematics, Pune University.
- Prof. P.P. Chikate., Ex.Head of the Mathematics Department, Modern College of Arts, Science and Commerce, Shivajinagar, Pune-5.

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

- National: Nil
  - International: Nil
  - State: 03
- A one-day workshop on 'Scilab for Teachers' in the year 2011.
  - A State Level Workshop on 'Fuzzy Logic and Related Topics' organized in the year 2012, funded by BCUD, Pune University, Pune.

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

Name of the Course/programme	Applications received	Selected	Enrolled		Pass %
			M	F	
2010-2011	297	106	65	41	74.36
2011-2012	361	143	86	57	64.58

**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

**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	-
<b>Employed</b>	
Campus selection	
Other than campus recruitment	-
Entrepreneurship/Self-employment	-

**30. Details of Infrastructural facilities:**

- Library:** Central Library along with Digital Library is available for the students
- Internet facilities for Staff and Students:** The department has 6 PCs and 1 laptop all of which are equipped with internet facility of 10 mbps leased line.
- Class rooms with ICT facility:** One for F.Y.B.Sc.(Science) and two for M.Sc. Mathematics. One LCD projector is installed in the department and one stand by LCD projector is also available
- Laboratories:** Common Computing Laboratory available

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

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

Year	Total number of students
2010-11	49
2011-12	67

**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

**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:****1. Academic year 2011-12:**

In the academic year 2011-12, 550 students enrolled for XI Science and 242 students enrolled for XI<sup>th</sup> Commerce. The strength of XII<sup>th</sup> Science and XII<sup>th</sup> Commerce were 460 and 201 respectively. The strength of F.Y.B.Sc., S.Y.B.Sc. and T.Y.B.Sc. were near about 150,100 and 48 respectively. The result of F.Y.B.Sc., S.Y.B.Sc. were near about 52%,76% and out of 39 students in T.Y.B.Sc., 75% students passed. The average result of each paper was near about 90%. One of the student from XI<sup>th</sup> Science –C, Akhilesh Gandhi was selected for INMO-2012 from Maharashtra and Goa region. Also one student for XI<sup>th</sup> Science, Rahul Phatak was selected for I. M. O.

**Departmental Activity :**

Two day State Level Workshop on "Fuzzy Logic and related Topics" was organised on 29<sup>th</sup> and 30<sup>th</sup> March 2012. Eminent speakers from the area were present in the workshop. Dr. Pawan Lingaras from St. Marry University Canada, Dr.Rajendra Deodhar, DIAT, Dr. S. R. Chaudhari Shivaji University, Dr. Ashok Deshpande were among the experts. Participants from different colleges and research scholars were present at the workshop.

**Activities of Staff members:**

- Prof. D.S. Mane worked as a resource person in Workshop on "Restructuring of syllabus in Mathematics", B.Sc. Microbiology at Ahmednagar College, Ahmednagar. He worked as visiting faculty for the course Biostatistics in the Department of Botany, University of Pune.
- Prof. A.N. Bhavale has successfully completed Refresher course organised by Department of Mathematics and ASC, University of Pune. He presented a poster at Zonal level Research competition, "Avishkar 2011". He has presented a paper entitled "Dismantlable lattices in which reducible elements are comparable" in 71<sup>st</sup> conference of Indian Mathematics Society held at S.R.T.M. University, Nanded during 27<sup>th</sup> to 30<sup>th</sup> December, 2011. Presented a paper entitled "Enumeration of certain classes of lattices and related aspects" in the Regional Research Conference for Science "Innovation 2012" held at BJS college, Wagholi, Pune during 26<sup>th</sup> and 27<sup>th</sup> March 2012. Working on Minor Research Project sponsored by BCUD, University of Pune.
- Prof. P. V. Gadagkar has successfully completed Orientation Programme organised by Academic Staff College, University of Pune. Worked as a resource person in "Workshop on NET, SET preparation" at Government Institute of Science at Amravati. Prof. P.M. Paratane successfully completed Orientation Programme organised by Academic Staff College, University of Pune.

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## Department of Microbiology

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- Name of the department:** Department of Microbiology
- Year of Establishment:** 2005
- Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):**  
B.Sc. Microbiology  
M.Sc. Microbiology
- Names of Interdisciplinary courses and the departments/units involved:** Nil
- Annual/ semester/choice based credit system (programme wise):**  
B.Sc.: Semester Pattern  
M.Sc.: Semester Pattern
- Participation of the department in the courses offered by other Departments:** Nil
- Courses in collaboration with other universities, industries, foreign institutions, etc.:**  
An add-on course on 'Pharmaceutical Techniques' in collaboration with various pharmaceutical industries.
- Details of courses/programmes discontinued (if any) with reasons:** Nil

## 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	05	-
Prof. Vivek Bobade	M.Sc. NET	Asst. Professor	Biochemistry, Pharmaceutical Biology	04	-
Dr. Smita Bhuyan	Ph. D, Post Doc	Asst. Professor	Molecular Biology, Fermentation Technology	03	-
Prof. Sheetal Pardeshi	M.Sc. NET	Asst. Professor	Taxonomy, Fermentation Technology	01	-
Prof. Anushka Devale	M.Sc.	Asst. Professor	Immunology	03	-
Prof. Rupali Sawant	M.Sc.	Asst. Professor	Medical Biology	03	-
Prof. Madhuri Kothawade	M.Sc. NET	Asst. Professor	Biochemistry, Applied Microbiology	01	-

## 11. List of Senior Visiting Faculty: Nil

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

B. Sc. Microbiology: Theory: 10% Practical: 10%

M. Sc Microbiology: Theory: NIL Practical: Nil

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

B.Sc Microbiology: 15:1

M.Sc Microbiology: 16:1

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

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

Technical	Sanctioned	Filled
Class 3	1	1
Class 4	3	3

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

Qualification	PG	M.Phil.	Ph.D.	D.Litt.	D.Sc.
No. of Staff	07	-	02	-	-

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

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

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

The department has a recognized laboratory by Pune University, Pune, for research leading to M.Phil.in Microbiology.

## 19. Publications:

Name of the faculty	Papers			Books			Total publications	Total impact factor	Total citation	h-Index
	International	National	Presented in Conference	International	National/Local	Book chapter				
Dr. Shilpa Mujumdar	13	2	11	-	-	2	27	40	40	16
Dr. Smita Bhuyan	4	2	3	-	-	4	13	4.5	28	3
Prof. Sheetal Pardeshi	2	-	1	-	-	1	4	-	-	-
Prof. Anushka Devale	3	-	-	-	-	-	3	-	-	-
Prof. Rupali Sawant	1	-	-	-	-	-	1	-	-	-
Prof. Madhuri Kothawade	2	-	-	-	-	-	2	-	-	-
Prof. Shradha Bshetti	1	2	-	-	-	-	3	-	-	-

## 20. Areas of consultancy and income generated:

Consultancy to Biofertilizer industry.

Project consultancy to student of the Tilak Maharashtra University.

## 21. Faculty as members in

a) National committees: Dr. Shilpa Mujumdar, AMI, EC member

b) International Committees Nil

c) Editorial Boards Nil

## 21. Student projects

a) Percentage of students who have done in house projects including inter departmental/programme: 75%



b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: 25%

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

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

- Dr. Yogesh Shouche, NCCS, Pune
- Dr. B. B.Nath, Department of Zoology, Pune University
- Dr. Kamlesh Jangid, NCCS, Pune
- Dr. Pranay Goel, IISER, Pune
- Dr. Chetan Gadgil, NCL, Pune
- Dr. Milind Watve, IISER, Pune
- Dr.P.K.Dhakephalkar, ARI, Pune
- Dr. Sharad kale, Scientist, BARC, Mumbai.
- Dr. N. Gore, NIV, Pune.

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

- 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

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

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

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

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.?: 08

29. Student progression

Student progression	Against % enrolled
UG to PG	95
PG to M.Phil.	-
PG to Ph.D.	04
Ph.D. to Post-Doctoral	01
<b>Employed</b>	
• Campus selection	20
• Other than campus recruitment	80
Entrepreneurship/Self-employment	10

30. Details of Infrastructural facilities:

- a) Library: Yes
- b) Internet facilities for Staff & Students: Yes
- c) Class rooms with ICT facility: Yes
- d) 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

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:

- Collabration 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

- All staff members were a part of the organizing committee for the International Conference on Business Opportunities in Life Sciences.
- Model and Poster competition- "Microcosm" organized on 7th January, 2012.
- Lecture series in Microbiology entitled "Green Microbiology" organized on 20th March, 2012.
- Organized a guest lecture on Plant Virology for M. Sc. (II) Microbiology Students organized on 17th March, 2012.
- Study tours for under graduate and post graduate students.
- Visit to National Aids Research Institute, Pune, K.E.M Hospital blood bank and Katraj Dairy, Pune was arranged for T.Y. B. Sc. Microbiology students.
- Visit to National Toxicology Centre was arranged for M.Sc. (Part II) Microbiology students.
- Visit to College of Agriculture, Pune-5 related to Studies of Plant Viruses for M.Sc. (Part II) Microbiology students .
- Placement of students to various institutes for postgraduate studies.
- Staff members Guided and accompanied students for the State level Microbiological Quiz organized by R. C. Patel college of Arts, Science and Commerce, Shirpur.
- Department has organized Campus Interviews for past and present students in various renowned institutes.

#### Staff Achievement

##### 1. Dr. Shilpa. S. Mujumdar

- a. Refresher course in Microbiology organized by T.C. College Baramati.
- b. Session in-charge in International Conference on "Business Opportunities in Life Sciences" held on 28<sup>th</sup> to 30<sup>th</sup> January 2012.
- c. Organized a Lecture Series entitled as "Green Microbiology" on 20<sup>th</sup> March 2012

- d. Participated in workshop on “Methodology and Details of Teaching, Learning in M. Sc. Microbiology” at Garware College organized on 17<sup>th</sup>-18<sup>th</sup> February, 2012.
- e. Organized a Poster & Model Competition “Microcosm” held on 7<sup>th</sup> January, 2012.
- 2. Dr. Smita S. Bhuyan**
- a. Awarded Ph.D degree
- b. Refresher course in Microbiology
- c. Poster presentation in AMI
- d. Poster presentation in International Conference on “Business Opportunities in Life Sciences”
- e. Member of Organizing Committee for the Lecture Series Conducted on “Green Microbiology”
- f. Participated in workshop on “Methodology and Details of Teaching, Learning in M. Sc. Microbiology” at Garware College organized on 17<sup>th</sup>-18<sup>th</sup> February, 2012.
- g. Member of Organizing Committee for the International Conference on “Business Opportunities in Life Sciences” organized on 28<sup>th</sup>-30<sup>th</sup> January.
- h. Co-ordinator of Pharmaceutical Course for M. Sc. (II) Microbiology Students.
- i. Member of Organizing Committee for the Poster & Model Competition “Microcosm” held on 7<sup>th</sup> January, 2012.
- 3. Mr. Vivek N. Bobade**
- a. Attended State Level Seminar on Research Orientation & Methodology organized at D. Y. Patil College, Pimpri, Pune.
- b. Member of Organizing Committee for the Lecture Series Conducted on “Green Microbiology”
- c. Participated in workshop on “Methodology and Details of Teaching, Learning in M. Sc. Microbiology” at Garware College organized on 17<sup>th</sup>-18<sup>th</sup> February, 2012.
- d. Member of Organizing Committee for the International Conference on “Business Opportunities in Life Sciences” organized on 28<sup>th</sup>-30<sup>th</sup> January.
- e. Co-ordinator of Poster & Model Competition-“Microcosm” organized by Department Of Microbiology on 7<sup>th</sup> January, 2012.
- f. Refresher course in Microbiology
- 4. Ms. Sheetal P. Pardeshi**
- a. Attended State Level Seminar on Research Orientation & Methodology organized at D. Y. Patil College, Pimpri, Pune.
- b. Member of Organizing Committee for the Lecture Series Conducted on “Green Microbiology”
- c. Participated in workshop on “Methodology and Details of Teaching, Learning in M. Sc. Microbiology” at Garware College organized on 17<sup>th</sup>-18<sup>th</sup> February, 2012.
- d. Member of Organizing Committee for the International Conference on “Business Opportunities in Life Sciences” organized on 28<sup>th</sup>-30<sup>th</sup> January.
- e. Refresher course in Microbiology
- f. Member of Organizing Committee for the Poster & Model Competition “Microcosm” held on 7<sup>th</sup> January, 2012.
- 5. Mrs. Anushka A. Devala**
- a. Member of Organizing Committee for the Lecture Series Conducted on “Green Microbiology”
- b. Participated in workshop on “Methodology and Details of Teaching, Learning in M. Sc. Microbiology” at Garware College organized on 17<sup>th</sup>-18<sup>th</sup> February, 2012.
- c. Member of Organizing Committee for the International Conference on “Business Opportunities in Life Sciences” organized on 28<sup>th</sup>-30<sup>th</sup> January.
- d. Member of Organizing Committee for the Poster & Model Competition “Microcosm” held on 7<sup>th</sup> January, 2012.
- 6. Mrs. Rupali S. Naik**
- a. Member of Organizing Committee for the Lecture Series Conducted on “Green Microbiology”
- b. Participated in workshop on “Methodology and Details of Teaching, Learning in M. Sc. Microbiology” at Garware College organized on 17<sup>th</sup>-18<sup>th</sup> February, 2012.
- c. Organized visit to K. E. M. Hospital blood bank and NARI (Bhosari) for T.Y. Microbiology students.
- d. Member of Organizing Committee for the International Conference on “Business Opportunities in Life Sciences” organized on 28<sup>th</sup>-30<sup>th</sup> January.
- e. Member of Organizing Committee for the Poster & Model Competition “Microcosm” held on 7<sup>th</sup> January, 2012.
- 7. Mrs. Madhuri K. Kothawade**
- a. Attended State Level Seminar on Research Orientation & Methodology organized at D. Y. Patil College, Pimpri, Pune.
- b. Member of Organizing Committee for the Lecture Series Conducted on “Green Microbiology”
- c. Participated in workshop on “Methodology and Details of Teaching, Learning in M. Sc. Microbiology” at Garware College organized on 17<sup>th</sup>-18<sup>th</sup> February, 2012.
- d. Worked as a Team Manager for State Level Microbiology Quiz held at R. C. Patel, Shirpur on 27<sup>th</sup> January, 2012.
- e. Organized visit to NARI (Bhosari) for T.Y. Microbiology students.
- f. Member of Organizing Committee for the International Conference on “Business Opportunities in Life Sciences” organized on 28<sup>th</sup>-30<sup>th</sup> January.
- g. Member of Organizing Committee for the Poster & Model Competition “Microcosm” held on 7<sup>th</sup> January, 2012.
- 8. Ms. Shradha P. Bashetti**
- a. Member of Organizing Committee for the Lecture Series Conducted on “Green Microbiology”
- b. Participated in workshop on “Methodology and Details of Teaching, Learning in M. Sc. Microbiology” at Garware College organized on 17<sup>th</sup>-18<sup>th</sup> February, 2012.
- c. Member of Organizing Committee for the Poster & Model Competition “Microcosm” held on 7<sup>th</sup> January, 2012.

#### Students Achievements:

#### Student achievements and awards:

- ❖ Best Student trophy was awarded to Mr. Rajan Thakur for excellence in academic and curricular activity.
- ❖ Ms. Rutuja Deshpande won award for securing highest total at S.Y. B.Sc. Microbiology.

- ❖ Mr. Rajan Thakur won Best Poster award in State Level conference organized by Department of Microbiology, Modern College Shivajinagar.
  - ❖ Mr. Rajan Thakur was awarded for best academic excellence at S. Y. BSc level.
  - ❖ Ms. Sheetal Joshi was awarded for best academic excellence at M. Sc (1<sup>st</sup> year) Level.
  - ❖ Mr. Rajesh Chomal was awarded for best academic excellence at M. Sc Level.
  - ❖ F. Y., S. Y. & T. Y. B. Sc. Students participated in State level Microbiological Quiz organized by R. C. Patel college of Arts, Science and Commerce, Shirpur.
  - ❖ M. Sc. (II) students presented a paper in the International Conference on "Business Opportunities in Life Sciences" organized on 28<sup>th</sup> to 30<sup>th</sup> January, 2012.
  - ❖ Ms. Bandana and Ms. Swati Wankhede won the first prize in quizcompetition organized by Indian Institute of Science, Mumbai.
- Ms. Sheetal Joshi presented a poster in International Conference organized by AMI in Chandigarh in December 2011.

## 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 innvolved:** Nil
5. **Annual/ semester/choice based credit system (programme wise):**  
F.Y. B.Sc. : Annual Pattern  
S.Y. and T.Y. B.Sc.: Semester Pattern  
M.Sc.: Semester Pattern
6. **Participation of the department in the courses offered by other Departments:**  
A course in Physics and Biophysics in the Department of Biotechnology of our College.
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** Nil
8. **Details of courses / programmes discontinued (if any) with reasons:** Nil
9. **Number of Teaching posts:**

	Sanctioned	Filled
Professors	-	-
Associate Professors	3	3
Assistant Professors	8	6

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

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D Students guided for the last 4 years
Prof. A. V. Deshpande	M. Sc. D. H. E.	Head	Material Science	33	-
Prof. S. R. Wagh	M. Sc., M. Phil, ADCSSA	Associate Professor	Electronics	26	-
Prof.V. T.Shelke	M. Sc.	Associate Professor	Electronics	24	-
Prof.Nileshkumar Pardeshi	M. Sc. SET	Assistant Professor	Material science	2	-
Prof. Amishi Rindani	M.Sc. M.Phil. SET	Assistant Professor	Quantum Mechanics	9	-
Prof.S. S. Thengadi	M. Sc.	Associate Professor	Applied Electronics	24	-

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:**  
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	Total impact factor	Total citation	h-Index
	International	National	Presented in Conference	International	National/Local	Book chapter				
Prof.Nileshkumar Pardeshi	01	-	-	-	-	-	01	3.5	1	1
Dr. S. S. Patil	18	-	09	-	-	-	27	46.2	153	7
Dr. V. S. Waman	30	-	09	-	-	-	30	47	142	6

- **Books with ISBN/ISSN numbers with details of publishers:**

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

Few staff members of the Department of Physics are on the panel of consultants on Siddhivinayak Technologies, Bhosari, Pune and Prowiz Systems, Pune. The consultancy is of non-remunerative nature.

**21. Faculty as members in**

- National committees:** Nil
- International Committees:** Nil
- Editorial Boards:** Nil

**22. Student projects**

- Percentage of students who have done in house projects including inter departmental/programme:** 73 %.
- Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories/Industry/ other agencies:** 27 %.

**23. Awards / Recognitions received by faculty and students:****Achievements of Teaching Staff:**

Prof. S.S.Thengadi was awarded the "Best Teacher" award by the Progressive Education Society, Pune on 25<sup>th</sup> January 2012.

**Achievements of Non Teaching Staff:**

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

**Other Achievements:**

Participation of students in other Institute:

- Mr. Jitin P. completed winter course in Karnataka University on Experimental/Theoretical Physics.

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

- 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:**

- National: 01 (National Conference on Hazardous e-waste Management)
- 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

**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

**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

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

- Prof. C. V. Dharmadikari, Emeritus Professor from IISER, Pune
- Prof. S. D. Dhole, Department of Physics, Pune University.
- Dr. Priyadarshani Karve, Director, Appropriate Rural Technological Institute (ARTI), Phaltan, Pune.
- Dr. Uday Tade, Scientist from ISRO, Pune
- Shri M. L. Soman, Head, Training Division, TATA MOTORS, Pune
- Shri Mayuresh Prabhune, Science Editor, Times Group, Pune
- Workshop: Star Gazing at Paud, Panshet

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

- Poster Exhibition/Competition
- Power point presentation competition
- Project competition
- Demonstration method
- Use of ICT
- Seminar Activity
- Chalk and Talk

**34. Participation in Institutional Social Responsibility (ISR) and Extension activities: Nil****35. SWOC analysis of the department and future plans:****Strength:**

- Well equipped laboratories
- Several student centric co-curricular activities
- Very effective use of ICT

**Weakness:**

- Placement activity at departmental level needs to be strengthened

**Opportunities:**

- Enhancing the quality of education, through the collaborative activity with Pune University, IISER Pune and University of Melbourne, Australia, for conducting B.Sc. Blended course.

**Challenges:**

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

**Future plan:**

- Establishing Post Graduate Research Centre in Physics
- To inculcate Research Culture among under graduate students through research proposals undertaken by teachers
- To start an add-on course on Instrumentation with reference to Automation of Control System (PLC).

**Departmental Activity:**

The working of the department was very smooth.

**Student Strength:**

**F.Y. B.Sc. – 220**

**S.Y. B.Sc. – 118**

**T.Y. B.Sc. – 37**

**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.

- T.Y. B.Sc. students visited IT expo, an exhibition at Engineering College Ground, Pune..

b) F.Y. B.Sc. and S.Y. B.Sc. students visited MahaTech, an exhibition of Automation in Industrial products. Prof. S.R. Wagh, Prof. V.T. Shelke and Prof. S.S. Thengadi took the efforts in organization and smooth functioning of these study visits.

**2. Poster competition-** A poster competition and exhibition was conducted for the F.Y.B.Sc. Class on December 24, 2011. The Poster exhibition was inaugurated by Dr. Priyadarshini Karve. Dr. R.S. Zunjarrao, Principal chaired the function. A display of products of ARTI- Appropriate Rural Technology Institute, Pune was also arranged along with the posters. Prof. S.R. Wagh and Prof. S.R. Chaudhari evaluated the posters. The prizes were distributed on the same day at the hands of Prof. S.R. Chaudhari, Vice-Principal of the college.



**3. Power-Point Presentation competition:** A competition for S.Y.B.Sc. class was organized for the presentation of slides prepared using presentation software. The slides are based on the topics of their studies in the Physics subjects. The competition was inaugurated by the Hon'ble Principal, Dr. R.S. Zunjarrao on 3<sup>rd</sup> February 2012. Vice-Principal Prof. S.R. Chaudhari was guest of honour. Almost all the students participated in the event. Presentations on twenty four topics were made by the students. Prof. Miss Roslin Gaware helped many students for collecting the relevant information of the topics. Prof. S. S. Thengadi, Prof. S. R. Wagh and Prof. Nileshkumar Pardeshi judged the presentations.

**4. Project competition:** Students of T.Y.B.Sc. (Physics) carry out a project work as a part of their curriculum. Exhibition and competition of these projects was arranged on 4<sup>th</sup> February 2012. Prof. S.S. Thengadi inaugurated the exhibition. Prof. Mrs. V. A. Abhyankar, and Prof. V.T. Shelke examined the projects.

**5. Remedial Teaching :** Remedial teaching for the students of S.Y.B.Sc. was arranged on the difficult topics in Physics, specially from F.Y.B.Sc. syllabus. Prof. S. S. Thengadi and Miss Snehal Dige conducted the sessions for the students.

#### Achievements of Students:

1. Miss Rojmin Pathan and (T.Y.B.Sc.) participated in the AVISHKAR 2011, a competition of projects organized by the University of Pune.
2. Results of the Department for the academic year 2010-11

Class	Percentage
F.Y.B.Sc	55
S.Y.B.Sc.	85
T.Y.B.Sc.	64.7

#### Contribution by the teachers:

1. Prof. S.S. Thengadi participated in the National Seminar on Current Trends in Material Sciences organized by Dr. R.G. Rathod Arts & Science College, Murtizapur, Dist Akola on December 3, 2011. He is appointed as Academic Research Co-ordinator, of the College under the BCUD, University of Pune schemes. He also actively participated in preparing the proposals for CPE, FIST and STAR College for the UGC, DST and DBT respectively. Prof. S.S. Thengadi helped the college administration in preparation of proposals for various schemes/funding agencies and following up the agencies. Prof. S.S. Thengadi was awarded the "Best Teacher" award by the Progressive Education Society, Pune on 25<sup>th</sup> January 2012.

2. Prof. S.R. Wagh and Prof. S.S. Thengadi have participating in the Census work of India 2011.
3. Prof. S.R. Wagh participated in a two-day workshop for Projects at Undergraduate studies at H.V. Desai college, Pune.
4. Prof. Nileshkumar Pardeshi attended one-day workshop in advanced trends in material science at PDEA's Arts, Science & Commerce College, Pirangut.
5. Prof. A.V. Deshpande co-authored the books – Text book of Physics, Practical Physics with activities and Problems in Physics for Std. XI which are published by Narendra Prakashan.  
He worked as resource person for the training of science teachers in the workshop conducted at Shirwal, and at Kolhapur by Mukhtangan Exploratory Science Centre, Pune. His lectures were recorded at EMMRC, University of Pune.



Prof. S.S.Thengadi receiving the "Best Teacher" award on 25th January 2012

- Prof. A. V. Deshpande, Head Department of Physics

## Department of Political Science

1. **Name of the department:** Department of Political Science
2. **Year of Establishment:** 1970
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):** B.A. Political Science
4. **Names of Interdisciplinary courses and the departments/units innvolved:** 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	15	-

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

**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

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

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

**30. Details of Infrastructural facilities:**

- 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

**32. Details on student enrichment programmes (special lectures/ workshops/seminar) with external experts,; Nil****33. Teaching methods adopted to improve student learning:**

- Traditional method
- Group Discussions
- Seminars by students on subjects related to current issues in state politics

**34. Participation in Institutional Social Responsibility (ISR) and Extension activities:** Students participation in social work through NSS and NCC**35. SWOC analysis of the department and future plans:****Strength:**

- Student's enthusiasm for opting this subject for Civil Services Examinations

**Weakness:**

- Subject offered at UG level only.
- Limited job opportunities for the subject.
- Placement activity at departmental level needs to be strengthened.

**Opportunities:**

- Increased participation in the activities of Competitive Exams Guidance Centre can improve the success rate of students in the competitive examinations.

**Challenges:**

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

**Future plan:**

- The department will be offering a Postgraduate Course- M.A. Political Science.
- With the help of NSS students, the department will be reaching villages near by Pune city and make the villagers aware of the importance of different schemes of the state and central governments.
- The department will be arranging regular visits of the students to various Social Sciences institutes in and around Pune city.

**Departmental Activity:**

The Department of Political Science saw a new addition with Shri. Mahesh Bangar joining as C.H.B lecturer for the Non grantable Section.

The department was a part of the University level seminar on "Current Status and future scope of Social Sciences" conducted on 11<sup>th</sup> January 2012. Dr. Nitin Birmal of Dr. Babasaheb Ambedkar College, Yerwada, Pune, resource person for the seminar addressed the audience regarding Research Methodology in Political Science. Prof. Mahesh Bangar, Shri. Vishnu Shrimangale took part in the seminar.

## Department of Psychology

1. **Name of the department:** Department of Psychology
2. **Year of Establishment:** 1971
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.):**  
B.A. Psychology  
M.A. Psychology (Clinical Psychology, Counselling Psychology)
4. **Names of Interdisciplinary courses and the departments/units involved:** Nil
5. **Annual/ semester/choice based credit system (programme wise):**  
B.A: Annual Pattern  
M.A.: Semester Pattern
6. **Participation of the department in the courses offered by other Departments:**  
Faculty is involved in teaching courses like Personality Development and Bargaining Skills for P.G. students of the Department of Economics, Geography, Marathi, and English.
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:**  
Nil. However, the department conducts skill development training workshops on Graphology, Flower Remedy, HIV AIDS counselling, Diagnostic Testing and Research Methodology by inviting experts from hospitals and other institutions.
8. **Details of courses / programmes discontinued (if any) with reasons:** Nil
9. **Number of Teaching posts:**

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

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

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D Students guided for the last 4 years
Dr. Amruta Oke	M.A., M. Phil, Ph.D	Associate Professor	Clinical Psychology	29	-
Prof. Smt. Vijaya Jagtap	M.A., M.Ed.	Assistant Professor	Clinical Psychology	12	-
Prof. Smt. Smita Vaidya	M.A., SET	Assistant Professor	Clinical Psychology	10	-
Prof. Mrs. Shradha Sakatkar	M.A., SET, B.Ed.	Assistant Professor	Counseling Psychology	04	-

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
Prof. 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.

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

- Dr. C. G. Deshpande Department of Applied Psychology, Mumbai University
- Dr. Medha Kumthekar Department of Psychology, S.N.D. T. University, Pune
- Dr. Jitendra Mohan Panjab University
- Dr. C. R. Mukundan Institute of Behavioural Science, Gujarat Forensic Sciences University.
- Dr. Radha Sharma Management Development Institute, Gurgaon.
- Dr. Anagha Lavlekar JPIP, Pune
- Dr. Shobhana Abhyankar Fergusson College, Pune
- Dr. Kelkar Sandeep Equipkids, Thane
- Dr. Alka Wadkar Department of Psychology, Pune University, Pune

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

- National: Nil
- International: Nil
- State: A preconference workshop on 'Bringing Emotional Intelligence in Classroom' funded by BCUD.

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

Name of the Course/programme	Application received	Selected	Enrolled		Pass %
			M	F	
2010- 2011	239	134	68	66	90.62
2011-2012	246	109	50	59	94.73

**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

**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

**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

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

Two students from our department have cleared NET Examination

**29. Student progression**

Student progression	Against% enrolled
UG to PG	25-30
PG to M.Phil	-
PG to Ph.D	4-5%
Ph.D to Post-Doctoral	-
<b>Employed</b>	
• Campus selection	20-25%
• Other than campus Recruitment	60-70%
Entrepreneurship/Self-employment	5%

**30. Details of Infrastructural facilities:****a) Library- Yes, Central Library**

- In-house Remote Access to e-resources: facility available under teacher's supervision
- Assistance in searching Database: provided by respective research guides/ subject teachers

**b) Internet facilities for Staff & Students:**

- Internet available: 10 mbps leased line
- LAN Facility: available
- Number of computers with internet facility: 6
- The department staff has access a total of 4 desktop computers and 2 laptops, all having internet connection via LAN and Wi-Fi. Two desktops and one laptop are available for use by post-graduate students under the supervision of staff members for statistical analyses, and accessing online resources.

**c) Class rooms with ICT facility: Yes**

- Lectures are frequently conducted using power-point presentations in the laptop and projector-enabled classrooms. As the classroom is Wifi-enabled, the teachers can introduce the students to online resources like educational documentaries, e-books, etc.
- The department has educational CDs that are useful in better understanding of subject and in making the teaching-learning experience more effective
- The department has 7 movie CDs related to psychological aspects that are, on some occasions used for screening to educate the students about psychological phenomena in a more interesting audio-visual manner. Such screenings are followed by discussion with students by subject teachers/ experts in the field, or assignments based upon the screened movie.

**d) Laboratories: Eight cubicles for conducting practical****31. Number of students receiving financial assistance from college, University, government or other agencies:**

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

Year	Total number of students
2010-11	47
2011-12	35

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

- **Quiz Competitions**
- **Seminars**
- **Guest lectures**
  - Suicide - Dr. C.G.Deshpande, Dr. Ulhas Luktuke, Dr. Medha Kumthekar
  - Psychological Research - Dr. Vaishali Mardhekar
  - NEO-PI - Dr.Savita Deo
  - Psychology testing application - DR. Sucharita Gadre
  - Neurocognitive Science - Dr. Awasthi
- **Workshops**
  - Pre marital counseling workshop – Mrs. Haldankar
  - HIV –AIDS Workshop – Dr. Ujjwal Nene
  - Dignostic Psychological Assesment - Dr. Ujjwal Nene

- Dance Therapy - Mr. Tonmoy Haldar
- Rorschach Administration - Dr. Ujjwal Nene
- Geriatric Counseling - Mrs. Vanita Jadhav
- School Counseling - Mr. Pawan Gaikwad
- Soft Skills - Smita Dongare & Anuja Kolhatkar
- Career Counseling - Dr. Shreeram Geet
- Yoga Therapy - Mr. Shankar Khedkar
- Drug Addiction & Rehabilitation - Mr. Indrajeet Deshmukh
- **Visits**
  - Prasana Autism centre
  - Christian Counseling Centre, Vellore
  - Sumpark Balgram
  - Muktangan
  - Schizophrenia Awareness Association (SAA)
  - Ratnagiri, Mental Hospital
  - Kavalyadham & Manshakt
  - Delhi, Hypnotherapy-National seminar -JNU
  - Kripa Foundation, Pune Drug De-addiction Centre IPH, Thane
  - Schizophrenia Awareness Association (SAA)
  - Bal Kalyan Sanstha, Pune
  - Little Kingdom Montessori School, Pune.
- **Other Activities and Programs**
  - Earnst and Young Foundation Career Awareness program in Corporation schools
  - Organized a "Psychology Book Exhibition" by Forward books Counselling camp
  - Pragatee Foundation Group Testing & Career Awareness program Earnst and Young Foundation Career Awareness program in Corporation schools

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

- Role plays
- ICT
- Activity-based assessment
- Hands-on experience
- Collaborative learning
- Learning through play

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

Sr. No.	Institutional Social Responsibility (ISR) Activities
I.	Counseling Service: <i>(Free counseling service provided throughout the year to stake holders, special cases identified during counselling camp, and cases requiring further sessions)</i>
II.	Counselling Camp: <i>(Free counselling service provided every year since 2008)</i>
III.	Aptitude Testing & Career Counseling: <i>(Free computer-based aptitude testing followed by career counselling by experts provided throughout the year since 2011)</i>

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)

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

#### Strength:

- Many co-curricular activities with emphasis on practical skills and applications of theoretical concepts not covered in the syllabus
- Staff is encouraged and sponsored to participate in seminars and workshops

#### Weakness:

- Placement activity at departmental level needs to be strengthened.

#### Opportunities:

- Active participation in revision of syllabi of Pune University.
- Provide psychological counselling to nearby communities

#### Challenges:

- Mentoring students with average performance and students from diverse backgrounds
- Genuine multifactorial limitations of the students coming from varied socio-economic background creates heterogeneity in the class and addressing the needs of all of them in the same class is a challenging task.

#### Future plans:

- To publish an annual Research Journal
- Establishment of Consultancy-cum-Training Centre-'Centre for Excellence'
- To strive for seeking recognition for Post Graduate Research Centre from Pune University, Pune.
- To start a Diploma Course in 'Industrial Psychology'

#### Departmental Activity:

Psychology Department organizes different programs, workshops, extra-curricular and co-curricular activities for the overall personality development of the students.

In the year 2011-2012, Department has organized various activities:

**1. Workshops organized :**

- A) Department of Psychology and Rotary Club jointly organized Pre-marital workshop for all Post-graduate girls students on 25<sup>th</sup> August 2011. Dr. Manasi Rajhansa and Mrs. Haldankar conducted this one day workshop. Total 200 P.G. students attended this workshop.
- B) Department of Psychology organized Two day workshop on HIV/AIDS counseling for M.A.-II students. Dr. Ujjwal Nene from K.E.M. Hospital was the expert who guided students for the workshop which was arranged on 20<sup>th</sup> and 21<sup>st</sup> Oct. 2011. 45 students attended the workshop.
- C) On 22<sup>nd</sup>, 23<sup>rd</sup> and 24<sup>th</sup> Dec. 2011 workshop on 'Diagnostic Psychological Assessment' was organized which was conducted by Dr. Ujjwal Nene from K.E.M. Hospital. 45 M.A. -II students attended the workshop.
- D) Flower Remedy Workshop was organized by the Department from 13<sup>th</sup> -19<sup>th</sup> March 2012. Dr. Anjali Thombre guided M.A.-II students for this workshop.

**2. Visits/study tours:**

- A) Study visit to 'SCHIZOPRENIA AWARENESS ASSOCIATION' (SAA) was organized on 20<sup>th</sup> July 2011. Total 20 M.A.-II (Clinical Psychology) students visited the institute to observe rehabilitation and treatment given to schizophrenia.
- B) On 21<sup>st</sup> July 2011 study visit was organized to 'PRASANNA AUTISTIC CENTRE'. Total 25 students (Counseling Psychology) visited the institute to see teaching techniques, therapies used for autistic children.
- C) M.A.-I students (45) visited 'MUKTANGAN DE-ADDICTION CENTRE' on 17<sup>th</sup> FEB 2012. They observed treatment and rehabilitation for various addictions.

**3) Guest- Lectures:**

- A) Mr. Sandeep Nerkar delivered a lecture on 'Graphology- handwriting analyses on 8<sup>th</sup> August 2011.
- B) 27<sup>th</sup> August 2011, Mrs. Sucharita Gadre delivered a lecture on ' Psychological Tests' which was organized for junior college and under -graduate psychology students.
- C) Mrs. Yogita Apte delivered lecture on 'Terminal illnesses, Cancer and Resilience' for the post graduate students on 7<sup>th</sup> March 2012.
- D) Mrs. Sheetal Ruikar delivered lecture on 'Applications of Organisational Psychology' for the post graduate students on 31<sup>st</sup> March 2012.
- E) Mrs. Sheena Philips delivered lecture on 'Psychological Risk factors in Heart Diseases' for the post graduate students on 7<sup>th</sup> April 2012.

**4) Movie-Club:**

'Manas- Chitra, a Psychology Movie Club' was inaugurated on 29<sup>th</sup> July 2011. Movie regarding autism was screened on the occasion followed by discussion and question answer session. 30 student attended the same.

On 5<sup>th</sup> August 'Park Avenue' movie about schizophrenia was screened followed by discussion and question answer session. 35 student attended the same.

**5) Psyche-fair a Psychological Exhibition:**

Psyche-fair a Psychological Exhibition was organized by the Department of Psychology on 9<sup>th</sup> Jan 2012. Various Psychological tests, instruments and posters regarding different therapies were exhibited. In the presence of Vice- principal Dr. Waghmare, Dr. Chaudhary, Hon. Principal Dr. Rajendra Zunjarrao inaugurated the exhibition. More than 300 students visited the exhibition.

**6)** One day state level seminar was organized by Social Science Departments on 'Current Trends and Future Opportunities in Social Sciences' On 11<sup>th</sup> Jan 2012. In one of the session Dr. Alpana Vaidya delivered a Lecture on 'Current Trends and Future Opportunities in Psychology'. More than 200 students attended the same.

**7) Counseling Camp:**

Yearly Counseling camp which is organized for student, parents and neighborhood communities is the special feature of the Department of Psychology. This year it was organized on 16<sup>th</sup>, 17<sup>th</sup> and 18<sup>th</sup> of Feb 2012. Total 80 persons took advantage of this counseling camp for various problems such as emotional, marital, vocational, and educational problems, which were tackled by post- graduate students and teachers.

**8) Achievements of the students:**

- A) Our 11 M.A.II students presented their research papers in two days national conference on 'Understanding Human Behaviour in Society – Normal and Deviated' held at Niphad, on 9<sup>th</sup> and 10<sup>th</sup> Feb 2012. Miss Sayali Vaze M.A.II won the 'Best Paper' Award at the conference.
- B) Six M.A.II students presented their research papers at National conference held at Nasik, on 13<sup>th</sup>, 14<sup>th</sup> and 15<sup>th</sup> of Feb 2012, 'Research: Interdisciplinary Approach in Management, Social Sciences, Humanities and Languages'.

**9) Achievements of Teachers:**

- A) Smt. Vijaya Jagtap has successfully completed her M.A. in 'Subject Communication', from Y.C.M.O.U., with A grade.
- B) Smt. Amruta Oke, Smt. Smita Vaidya, Mrs. Shradha Sakatkar and Mrs. Shweta Kakade attended three days workshop at Fergusson College on 'Basic SPSS', held on 13<sup>th</sup> to 15<sup>th</sup> September 2011.
- C) Mrs. Shweta Kakade attended two days national conference on 'Understanding Human Behaviour in Society – Normal and Deviated' held at Niphad, on 9<sup>th</sup> and 10<sup>th</sup> Feb 2012.
- D) Mrs. Shradha Sakatkar attended Six days workshop on 'Statistics for Research' organized by S.N.D.T. Women's University for their PhD students, on 5<sup>th</sup> -10<sup>th</sup> March 2012.
- E) Smt. Smita Vaidya, Mrs. Shradha Sakatkar and Mrs. Shweta Kakade attended Two days workshop at Fergusson College on 'Advanced Application of SPSS', held on 27<sup>th</sup> and 28<sup>th</sup> March 2012.
- F) Mrs. Shweta Kakade and Mrs. Shradha Sakatkar Registered themselves for the PhD Degree.

**10) Ex- students Contribution:**

- A) Miss Gayatri Vartak, Internatinal Badminton Player delivered a lecture on 'Application of Psychology in Sports' on 7<sup>th</sup> March 2012.

B) Many students share their on job experiences with teachers and existing students.

## 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

M.Sc. Statistics: Semester Pattern

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

Faculty is involved in teaching courses on Biostatistics in the Departments of Botany, Biotechnology, Microbiology and Zoology.

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

○ The Department has organized a course entitled 'A certificate course in SAS software' in collaboration with CYTEL Software Company Ltd., Pune.

○ The Department has organized a course entitled 'A certificate course in SAS software' in collaboration with Data Science Company Ltd., Pune.

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

**9. Number of Teaching posts:**

	Sanctioned	Filled
Professors	-	-
Associate Professors	3	3
Assistant Professors	8	8

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

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph. D Students guided for the last 4 years
Prof. P. G. Dixit	M.Sc. M.Phil	Associate Professor and Head of the Department	Statistical Process Control and Stochastic Process	32	-
Prof. P.S. Kapre	M.Sc. M.Phil	Associate Professor	Actuarial Statistics	32	-
Dr. M.M. Sane	M.Sc. M.Phil Ph.D.NET	Associate Professor	Statistical Inference	16	-
Prof. R.M. Umrani	M.Sc. SET M.Phil.	Assistant Professor	Sampling Methods	13	-
Prof. A.T.Kamble	M.Sc. M.Phil, SET	Assistant Professor	Directional Data Analysis, Survival Analysis	05	-
Prof. T.N. Choudhary	M.Sc. M.Phil	Assistant Professor	Clinical Trials	7	-
Prof. P.S. Waldhe	M.Sc. SET	Assistant Professor	Linear Algebra and Actuarial Statistics	1	-
Prof. A. S. Chinchankar	M.Sc.	Assistant Professor	Probability Distributions	2	-
Prof. M.A. Kanade	M.Sc.	Assistant Professor	Probability Distributions	1	-

**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

- National committees:
- International Committees:
- Editorial Boards:

22. Student projects

- Percentage of students who have done in house projects including inter departmental/programme: 90% for T.Y. B.Sc. and M.Sc.
- Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies: Industry 10% with NSSO, NIBM and Gokhale Institute

23. Awards / Recognitions received by faculty and students:

Teachers:

- **Prof. P. S. Kapre:** Working as Nodal Officer, AISHE, Delhi.

Students:

- Dr. Rajendra Gurav, a past student of the department was awarded Ph.D. in Statistics from Pune University, Pune-7.
- Ms. Kirti Gaikwad, a past student is appointed in the Central Government in Indian Statistical Services (ISS) as Statistical Officer.
- Mr. Pande Dilip promoted to the post of colonel in Indian Army currently posted in Pune.
- Santosh Payas promoted to Deputy Director in the office of Census. He received appreciation award in the form of medal by President of India for Best Population Census Work.

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

Sr.No.	Date	Name of the guest
1.	29/06/2011	Dr.Anant Patki, Retd. Scientist, ISRO, Bangalore.



2.	27/07/2011	Dr.Vijay Kulkarni, Bharati Vidyapeeth Social Science Department, Pune.
3.	17/12/2011	Dr.J.K.Wani,Calgeri University, Alberta Canada
4.	20/12/2011	Dr. Jayraman, Kerala Forest Research Institute, Kerala.
5.	27/07/2012	Dr. J. V. Deshpande, Former Head, Department Statistics, University of Pune and Professor at Mathematical Institute, Chennai

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

- National: 3 Workshops
- International: 1 Pre-conference
- State: 1 Workshop
- District: 2 Workshops (At University Level)

Sr. No.	Year	Name	Source of Funding
1	2009-10	Five days Refresher training on Biostatistics for ISS officers.	Ministry of Statistics and Programme Implementation, Delhi.
2	2010-11	National Workshop on Medical Statistics and Clinical Trials (Dr. PV. Sukhatme Birth centenary memorial)	Pune University

### 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

#### 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

### 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

#### 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

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

Name of examination	No. of students
SET	02
Civil Services	01

### 29. Student progression

Student progression	Against % enrolled
UG to PG	50-55%
PG to M.Phil	-
PG to Ph.D	-
Ph.D. to Post-Doctoral	-
<b>Employed</b>	
• Campus selection	22-25%
• Other than campus Recruitment	20%
Entrepreneurship/Self-employment	5%

### 30. Details of Infrastructural facilities:

- Library: Departmental Library and the Central Library of the college
- Internet facilities for Staff & Students: Yes, 10 mbps leased line for internet
- Class rooms with ICT facility: 03
- Laboratory: Yes

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

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

Year	Total number of students
------	--------------------------

2010-11	52
2011-12	69

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

- Guest lectures by eminent resource person in statistical field are organized by the department for students.
- Statistics Fest : Department organizes every year a Statistical Fest for S.Y., T.Y. B.Sc., M.Sc.(I and II) Students. Case studies, Quize, Statistical Crossword, puzzle solving and Guest Lectures are the events of this fest.
- Quiz Competition for F.Y. B.Sc., F.Y. B.Sc. (Computer Science) and S. Y. B.Sc. is organized every year.
- Final round of Intercollegiate Quize Competiton was arranged for two years.

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

- Assignments
- Problem Corner
- Seminars
- Power Point Presentations
- Projects

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

Prof. P.G. Dixit is Secretary of Advisory Board for NGO Students Welfare Association, Pune. He is also a member of Excecutive Council of Schizophrenia Awareness Association, Pune.

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

- Laptops are provided to all the student for the practical sessions
- Availibility of statistical softwares like SPSS, R, Minitab and Matlab
- Varied and enriched co-curricular activities

**Weakness:**

- Placement activity at departmental level needs to be strengthened.

**Opportunities:**

- Increasing demand of statisticians in various fields including IT sector
- The department has potential to give remunerative consultancy
- Enhancing the quality of education, through the collaborative activity with Pune University, IISER Pune and University of Melbourne, Australia, for conducting B.Sc. Blended course.

**Challenges:**

- It is difficult to obtain real data from industries for the projects by students
- Genuine multifactorial limitations of the students coming from varied socio-economic background creates heterogeneity in the class and addressing the needs of all of them in the same class is a challenging task.

**Future plan:**

- Enhancing the placement activity
- Prepare study material for newly introduced theory papers in the syllabi
- To use statistical softwares for conducting all the practicals of UG classes

**Departmental Activity:**

Department of Statistics has maintained its tradition of organizing various academic activities during the year 2011-12.

1. **Academic Activities :** Department of Statistics, Modern college, Pune -05. and Pune University Statistics Association ( PUSA) jointly organized following activities.

A) **Quiz :** F.Y. B.Sc., F.Y. B.Sc.( Computer Science) and S. Y. B.Sc. Quiz Round I was organized on 13<sup>th</sup> January 2012. Second round of S.Y. B.sc. Quiz was conducted on 12<sup>th</sup> February 2012 at T. C. College, Baramati.

**Result of the Quiz was as follows:**

Class	Names of the Students	Rank
F.Y. B.Sc.	Miss.Aswini Dilip Bambal	First
F.Y.B.Sc.(Comp. Science)	Shri Jayesh Jain	First
S.Y. B.Sc.	Shri Daundkar Pravin B Miss Muluk Priyanka A Miss Bhandare Anuradha S	First Second Third

B) **Project Competition :** Five projects of T.Y.B.Sc. students were submitted in the first round of project competition organized by PUSA at S.P. college Pune 30.Out of these the project entitled "Application of Queuing Theory" done by Ms. Akhade Joyti, Doke Priyanka, Pawar Pooja and Mutha Shrea N. was selected for final round conducted on 29<sup>th</sup> Feb.2012 at S.P.College Pune 30. Prof.Waldhe Pravin guided the project.

**2. Seminars and Guest Lectures Organized :**

Sr.No.	Date	Name of the Guest	Topic
1	29-6-2011	Dr.Anant Patki	Reliability Concepts in Engineering
2	27-7-2011	Dr.Vijay Kulkarni	Social contribution by Dr. P.V.Sukhatme
3	17-12-2011	Dr.J.K.Wani,Calgeri University, Alberta Canada	Actuarial Statistics as a carrer
4	20-12-2011	Dr.Jayraman	Statistics used in forestry

**3. Workshops, Seminars attended**

- A) Mrs. Sane M.M., Mrs. Chaudhari T. N., Miss. Kamble A.S. attended workshop on use of SPSS for statistical data analysis at Fergusson college Pune 4. on 4 January 2012.
- B) Dr. A.A. Dharmadhikari A.A. attended workshop at BMCC on Applications of Free Software in Business Statistics, Economics, Commerce and Management on 17<sup>th</sup> and 18<sup>th</sup> January 2012
- C) Prof. Trupti Choudhary, Mayura Kanade, Pravin Waldhe attended 2 days workshop on '7 Habits of highly effective people held on 03,04 February 2012. Prof. A.T. Kamble and A.S. Chinchankar attended the workshop on 10<sup>th</sup> and 11<sup>th</sup> February 2012.
- D) Prof. P. G. Dixit presented a paper on V max control chart at the state level conference, held at Ahmednagar College, Ahmednagar on 26<sup>th</sup> and 27<sup>th</sup> February 2012.
- E) Prof. P. G. Dixit participated in UGC sponsored national seminar at Yashwantrao College, Pune on 29<sup>th</sup> February 2012.
- F) Prof. P.G. Dixit attended the "Census Data dissemination workshop" organized by Directorate Census Operations, Maharashtra, Mumbai at Gokhale Institute of Economics Pune -04.

#### 4. Achievements of Staff and other activities etc.

##### A) Prof. P.G.Dixit

Prof. P.G. Dixit delivered lectures with following details:

- (i) On gender statistics on 29 June 2011 at NSSO Akurdi, Pune on the occasion of Statistics day.
- (ii) On research methodology seminar conducted at M.I.T. College Paud road, Pune on 27 Sept. 2011.
- (iii) On simulation at IBMR Pimpri, Pune on 8 Oct. 2011
- (iv) On use and misuse of Statistics on 20 October 2011 on the occasion of world Statistics day at H.V. Desai College, Pune.
- (v) On statistical process control at K.T.H.M. college, Nasik on 22 January 2011
- (vi) On growth models at state level seminar on Role of Mathematics and Statistics in life sciences on 6<sup>th</sup> and 7<sup>th</sup> February 2012 at Modern Collge of Arts, Science and Commerce, Ganeshkhind, Pune -53.
- (vii) Worked as judge on 12<sup>th</sup> Feb. 2012 for S.Y.B.Sc quiz Round 2<sup>nd</sup> at T.C.College, Baramati.
- (viii) Prof. P. G. Dixit was chief guest for inaugural function of workshop for BBA, BCA and MCA on 22/02/2012 Modern Collge of Arts, Science and Commerce, Ganeshkhind, Pune -53.
- (ix) Prof. P. G. Dixit talked on six sigma at district level seminar at Modern Institute of Business Management Shivajinagar Pune. On 23/02/2012.
- (x) Prof. P. G. Dixit delivered a lecture on fascinating Statistics at Pratibha College, Chinchwad, Pune on 25/02/2012.
- (xi) Prof. P. G. Dixit delivered a lecture on Statistical Organizations in India at D.Y. Patil College of Arts, Science and Commerce, Pimpri, Pune on 24/02/2012.
- (xii) Prof. P.G. Dixit delivered lecture at Bharati Vidyapeeth, Social Sciences Centre Pune on 28<sup>th</sup> March 2012 on Sampling Methods, at the workshop on research methodology.
- (xiii) Prof. P.G. Dixit delivered lecture at Department of Commerce, University of Pune on 2<sup>nd</sup> April to 4<sup>th</sup> April 2012 on Preparation of Set Examination in Business Statistics

##### B) Dr. A.A. Dharmadhikari

- i) Delivered an oral presentation on the topic 'Use of statistical Methods in Chemical Industry' in the UGC sponsored National level Conference on 'Perspectives of Chemistry in Modern College of Arts, Sci. and Comm, Pune -05. During 23<sup>rd</sup> to 25<sup>th</sup> February 2012.
- ii) Was invited as Resource person in the training program conducted in National Institute of Fishery Studies at Mumbai to give 2 hrs. lecture on Survival Analysis on 2<sup>nd</sup> March 2012.

##### C) Prof. P. S. Kapre

Worked as Judge on 12<sup>th</sup> Feb 2012 for S.Y. B.Sc. Quiz round 2<sup>nd</sup> at T.C. College Baramati.

#### 5. Prizes

**A) V.R.Dhongade prize:** Bhandare Anuradha (F. Y. B.Sc.)

**(B) V.R.Prayag prize:** Shri Darekar Kalidas (Deserving needy student in T.Y.B.sc.(Statistics))

**(C) Late sau Indirabai Chirputkar prize:** (i) Miss. Musale Sawti (S.Y.B.sc.); (ii) Miss. Gitali Katare (T.Y.B.com.)

**(D) Late Nirmala Potnis Prize:** (i) Miss Manju Chaudhary (T.Y.B.sc.); (ii) Miss Badal Depali (T.Y.B.com.)

**(E) Mahendra Takalkar (Past Student) :** Ms. Sulaksha Gawas (M.Sc.)

#### 36. Activities of the Guidance and Counseling unit

##### Campus Interviews:

The campus interviews were conducted by

- i) Software Company CYTEL on 28<sup>th</sup> February 2012 at the Department of Statistics.
- ii) E solve e tutoring company on 29<sup>th</sup> February 2012 at the Department of Statistics..

#### 7. Miscellaneous

- i) Prof. P.S.Kapre was appointed as nodal officer of Modern college for all India survey on higher education by M.H.R.D.Govt. of India.
- iii) Prof. P. G. Dixit worked as, Chairman of Gymkhana Committee.
- iv) Prof. P.G. Dixit worked as, Member of Unfair means committee.
- v) Dr. Manisha Sane worked as, Chairperson for Annual Prize Distribution Committee (Academic)
- vi) Dr. Manisha Sane worked as, advisor Science Association committee.

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## Department of Zoology

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

2. **Year of Establishment:** 1970

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

B.Sc. Zoology

M.Sc. Zoology

Ph.D. Zoology

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

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

F.Y. B.Sc. : Annual Pattern

S.Y. and T.Y. B.Sc.: Semester Pattern

M.Sc.Zoology – Semester Pattern

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

Few of staff members conduct lectures and practical sessions in Zoology for the UG and PG students at the departments of Biotechnology, Agri-Biotechnology and Microbiology.

Animal Diversity and Systematics, Embryology, Applied Zoology: Department of Biotechnology.

Developmental Biology: Department of Microbiology.

Applied Zoology, Entomology: Department of Agri-Biotechnology.

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

Our department conducts Integrated Vermitechnology Training Course (IVTC), two batches per year in collaboration with Praj Foundation, Pune and Institute of Natural Organic Agriculture (INORA), Pune.

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

9. **Number of Teaching posts:**

	Sanctioned	Filled
Professors	-	-
Associate Professors	01	01
Asst. Professors	08	08

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

Name	Qualification	Designation	Specialization	No.of Years of Experience	No. of Ph. D Students guided for the last 4 years
Dr. H.V.Ghate	M.Sc., Ph.D.	Head of the department	Developmental Biology	29	5
Dr. A.M.Bhalerao	M.Sc., Ph.D.	Associate Professor	Entomology	28	-
Prof. Narendra Madhukar Naidu	M.Sc. M. Phil.	Associate Professor	Developmental Biology	25	-
Prof. Bharat Thalu Kalbage	M.Sc.	Assistant Professor	Cell Biology	15	-
Dr. Shubhangi S Puranik	M.Sc., Ph.D.	Assistant Professor	Zoology	07	-

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

- Dr. Hemant V. Ghate, Eminent Professor
- Dr. Arun M. Bhalerao, Eminent Professor
- Dr. Sushama J. Thatte, Eminent Professor
- Prof. B. B. Nath, Eminent Professor

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

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

B.Sc. : 15:1

M.Sc. : 12:1

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

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

Technical	Sanctioned	Filled
Class 3	1	1
Class 4	4	4

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

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

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

- Dr. Yugandhar S. Shinde has been awarded a Minor Research Project worth Rs. 2.2 lakhs from BCUD, Pune University.

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

- Dr. H. V. Ghate has guided a Woman Scientist (Mrs. Gauri Sathye) working on project specially designed for women by Department of Science and Technology. (WSO-B of DST: 2011-2013)
- Dr. H. V. Ghate also guided a Post-Doctoral fellow (Dr. Sanket Tembe) working on DNA Barcoding of bugs. His work is funded by Department of Biotechnology (DBT Post-Doc 2011-2013)

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

Department of Zoology of our college has one of the oldest Post Graduate Research Centre affiliated to the Pune University. It has a recognized centre for research in Zoology.

19. **Number of publications listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database-International Social Sciences Directory, EBSCO host, etc.):**

Name of the faculty	Papers			Books			Total publications	Total impact factor	Total citation	h-Index
	International	National	Presented in Conference	International	National/Local	Book chapter				
Dr. Hemant Ghatе	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

- Recipient 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)

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

- National:** Nil
- International:** 01 International Conference on Innovations in Teaching Learning and Evaluations in Higher Education, funded by Pune University, Pune.
- State:** Nil.

## 26. Student profile programme/course wise:

### B.Sc.

Name of the Course/ programme	Applications received	Selected	Enrolled		Pass %
			M	F	
2010-2011	297	163	50	113	81.81
2011-2012	361	158	44	114	81.81

## 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

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

NET: 01, GRE: 01

**29. Student progression**

Student progression	Against % enrolled
UG to PG	44
PG to M.Phil	-
PG to Ph.D	2
Ph.D to Post-Doctoral	2
<b>Employed</b>	
• Campus selection	-
• Other than campus Recruitment	-
Entrepreneurship/ Self-employment	-

**30. Details of Infrastructural facilities:**

- Library : i) Stacking cupboards for books ii) Laboratory space for reading whenever available.
- Internet facilities for Staff & Students: Six separate ports of internet available within the laboratory. 10 mbps leased line for internet connection with Wi-Fi.
- Class rooms with ICT facility: All the three classrooms where courses in Zoology conducted have ICT facilities.
- Laboratories: Two laboratories for under graduate level and one laboratory for PGRC.

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

Year	Total number of students
2010-11	49
2011-12	67

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

- Visit to Ralegan Siddhi, an ideal village developed by the villagers inspired and guided by the great social worker Shri. Anna Hazare.
- Visit to the College of Agriculture and Central Bee Research and Training Institute, Pune.
- One-day educational trip to Shirgaon and areas nearby the backwaters of Pawana Dam with the intention of studying biodiversity of water bodies.
- Visit to Fish-Seed Farm at Hadapsar.
- Visit to Bio- Era at Tathavade, Chinchwad, to have know-how of new equipment purchased by our college in the recent past and also to get familiar with sophisticated instruments and techniques in advanced biology.
- Integrated Vermitechnology Training Course-two batches per year
- A lecture by Dr. Bhuvanesh Awasthi on 'How do we 'see' this world--Neuroscience of visual perception'
- Formal and informal interaction sessions of the past students were organized for the benefit of the present students of final year. Mr. Aditya Takale, Mr. Rohit Nagalgaon, Mr. Rajan Thakur, Mr. Shashank Nambiar and Ms. Ushma Shukla shared their experiences.
- A Guest lecture by Mr. Vinayak Kelkar, PRAJ foundation, Mr. Abhijit Deshmukh of Sai Samartha Seva and Dr. Mrs. Manju Tadwalkar, INORA, on urban waste management training for the benefit of UG students.
- ZooVision – An exhibition of models and charts related to Zoology

**Activities carried out under UGC-CPE Scheme:**

- For effective teaching during practicals, e-learning material was prepared. Departmental staff members and undergraduate students dissected different animals viz. Earthworm, Starfish, Scoliodon, Pila, and Grasshopper and also prepared whole mount of chick embryo. Video recording of the dissection steps was done.
- Guest lecturers of following eminent personalities from industries and research institutes were arranged.

**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.

- 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.
- The entire year was full of activities which kept the students , non-teaching staff and teaching staff busy and active throughout the academic calendar

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

- ITC
- Models Charts, preserved specimens
- Demonstration in groups of preserved dissected specimen.
- Field visits
- Institutional visits
- Guest lecturers- Invited- Visits of national and international experts.
- Quiz based on syllabus
- Student seminar
- Group discussions
- Students Projects
- Research environment /active involvement of staff in PhD/ postdoctoral research
- Library facility
- Home assignments
- Remedial coaching
- Revision of practical
- Alumni

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

- Our department conducts Vermitechnology course (IVTC) and extension work of the same.
- Department also collaborates with NSS for Vasundhara Environmental Film Festival, waste management and other social issues.
- Extension work on Health and hygiene for school students of rural as well as slum area also carried out.
- Our faculty conducted a workshop for school students, in order to increase scientific temperament and research attitude among them.
- Prof. N. M. Naidu is actively associated with Baba Amte's Anandwan and a Spiritual organization 'Chinmaya Mission'. Hence, several activities for the benefit of students and staff in the areas of social work and value based education are regularly arranged. These programmes sensitize our students about social issues and also help them in personality development.

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

##### **Strength:**

- Our department has the oldest Post Graduate Research Centre in the college. It has maintained reputation of being one of the best research centres in Zoology under Pune University.
- Retired teachers of our department are often invited as visiting faculty. They are available for academic and administrative guidance whenever it is necessary.
- Alumni of the department informally visit the department and interact with the staff and students. Our past students who have noteworthy achievements are formally invited to deliver talks and motivate the present students for academic pursuits.
- The department has strong bonds with educational and research institutes, NGOs and other organizations since beginning. These contacts prove useful to organized several programmes for students.
- Dr. H.V. Ghate and Dr. A. M. Bhalerao contributed in Board of Studies.
- Zoology Association is active in arranging lectures, workshop, contests and exhibitions.

##### **Weakness:**

- Placement activity at departmental level needs to be strengthened.

##### **Opportunities:**

- Funds received from various funding agencies DBT/UGC/BSR etc. are useful to involve students and staff in research projects, contests and several other academic activities without financial constraints.
- The department can launch new activities in research and teaching for the benefit of students.
- Enhancing the quality of education, through the collaborative activity with Pune University, IISER Pune and University of Melbourne, Australia, for conducting B.Sc. Blended course.

##### **Challenges:**

- Ban on dissections on animals has lead to searching alternatives for such practicals with respect to understanding anatomy and also the skill needed in dissections.
- Issues related to environmental and biodiversity are increasing recently. The teaching and inputs in syllabus need to immediately address these issues.
- Most of the animal types included in the syllabus are exotic species. It is essential that description of Indigenous fauna be added in the syllabus.
- Considering the advances in practicals of Molecular Biology, Cell Biology, Developmental Biology and Biochemistry, all concerned staff should undergo rigorous hands-on training so as to impart the best to their students.
- Genuine multifactorial limitations of the students coming from varied socio-economic background creates heterogeneity in the class and addressing the needs of all of them in the same class is a challenging task.

#### Future plan:

- Addition to the existing short term skill development courses which would include: Apiculture, Basic taxonomy and biodiversity, Micro-technique, Instrumentation, Public health and hygiene and Nature Photography.
- Increasing participation of students in projects and hands-on training including summer training.
- Our department will also take efforts towards career guidance, campus interviews and creating a placement cell.
- Organizing visits / training for staff and laboratory assistant for enhancement of skills.
- Contribution of research students at our PGRC in teaching and practical for UG and PG students.
- Half yearly meeting of research students and guides of department with research scholars and university authorities.
- Further efforts for establishing the remunerative consultancy services

#### Departmental Activity:

The departmental staff completed routine teaching work in time for internal as well as university examinations. Study tours for S.Y. and T.Y. students were organized. For S.Y. B.Sc. students visit to local academic (Fisheries, sericulture, and apiculture) institutions were arranged. The visit allowed students to get additional knowledge about fisheries Science, Apiculture, Sericulture etc. As this is part of syllabus, the students benefited immensely. The staff members actively involved in this visit were: B.T.Kalbage and A.M. Bhalerao. N.M. Naidu, Prashant Duraphe and Manasi Bapat also accompanied. T.Y.B.Sc. study tour included visit to coastal areas in Kokan and was arranged and conducted by N.M.Naidu. Students got first hand knowledge about coastal ecosystem and the animals that is a part of their syllabus and it was a good opportunity for students to see the coastal ecosystem.

H.V.Ghate and N.M.Naidu were invited to deliver lectures for the Certificate Course in Ornithology which is run at the members of the committee who designed this course. All staff members also actively participated in the International Symposium (related to Life Sciences) organized in the college. Mrs. Gauri Sathye and Mr. Shirraj Jakhalekar joined as CHB staff in the second term. Mrs. Sathye completed work planned under WOS-B Program of DST as well. This was a special project for women in science. Several meetings were held in the department to consider purchase of new equipment and accessories under programs such as FIST and CPE-UGC. A composite and comprehensive plan for the development of the department for the next five years was drafted and submitted. As the college plans have been recently sanctioned By UGC and DST, the department has received special funding for renovation and for new equipment. The renovation will be started soon and selection of new equipment is in progress; orders for some are already placed. LCD projectors and a laptop computer was provided by the college to our department this year. This will facilitate enhancement of content and quality in the teaching – learning process.

Department received some distinguished guests during the academic year. Prof. C. A. Viraktamath (of GKVK, Bangalore) visited to discuss the progress of our department. He has been very helpful and often provides material, literature and is always ready to extend his help.

Dennis Pamlin, belonging to an NGO from Sweden, visited this department to discuss the ecological problems and his ideas about solving some of those. Pamlin is an entrepreneur and founder of 21<sup>st</sup> Century frontiers. He works with companies, governments and NGPs as a strategic economic, technology and innovation advisor. His background is in engineering, industrial economy and marketing, Mr. Pamlin worked as Global Policy Advisor for WWF from 1999 to 2009. Pamlin is currently an independent consultant as well as Director for the Low Carbon Leaders Project under the UN Global Compact and is a Senior Associate at Chinese Academy of Social Sciences.

Dr. Christopher Thorpe – Dixon, from Plymouth University, visited department in connection with work on fauna of ephemeral water bodies and discussed about possible collaboration. Dr. Aparna Watve, who is also involved in work on such ecosystems, made this meeting possible.

Mr. Girish Dhekane, ex- student of our department addressed S.Y.B.Sc. and T.Y.B.Sc. Zoology students on 'Career Opportunities in Pharmaceutical Sector.' The session proved to be very informative and interactive.

Prof. Suhas Ghaisas, retired teacher from our college was invited to speak to our Science students about his 'Experiences in the African Safari.' Slide show and video-clips made the sharing session more interesting.

#### Integrated Vermitechnology Training Course.

Department also successfully completed 5<sup>th</sup> Certificate course on Vermiculture and Waste Management ' in collaboration with INORA (Institute of Natural Organic Agriculture) This time an industry (Praj Industries) has agreed to provide financial assistance to students who intend to join the course. 'Praj Foundation' (PF) the Corporate Social responsibly (CSR) arm of Praj Industries Limited was formed in the year 2004. This Industry and foundation recognize the fact that they are a part of the society and have a responsibility towards this society, its ecological environment and the state in which we are leaving it for the next generation. This industry contributes to Sustainable Development and helps reduce Global warming and preach 'Sustainable Development'.

This industry has identified Environment. Health-care and Welfare of under-privileged section of society as their focus areas. This is the reason why they supported our course as we are also aiming for better environment and better garbage disposal / utilization. Praj primarily supports or undertakes activities in Pune district. It supports project implemented by other reputed Institutions, such as Modern College, which fit within their ideological framework. Two batches conducted



this year. Manjushree Tadavalkar, CEO INORA, Ms.Nutan Bhajekar and all staff member of our department were involved in this activity. Mr. Bharat Kalbage was the coordinator for the Sep- Oct 2011 batch of 11 participants. Mr. Narendra Naidu was the coordinator for the second batch of Jan – Feb 2012 batch of 23 participants. Visit to various housing societies and Daravali Project of INORA was organized to demonstrate waste management practices. Ms.Parimal Choudhari (Managing Trustee), Mr. Vinayak Kelkar (Chief Programme Officer) and Bageshree Adkar of Praj Foundation were present for the Valedictory function.

We regret the demise of our colleague **Dr. Arun B. Dandekar** who had retired in November 1999. He had served in the Department of Zoology of our college since 1979.

He was disciplined, extremely meticulous in his work and had a very good hand at drawing diagrams. He was a versatile person actively involved in 'Home-Guard Duty', watch repairing, calligraphy, tennis and such other hobbies. He was known as a teacher who motivated the students. He passed away on 15<sup>th</sup> November 2011.

#### **Additional Information of Staff Members:**

##### **Dr. H.V. Ghate**

- Have carried out departmental administration and college work satisfactorily throughout the year. Also completed all teaching work in time.
- Have taken active part in preparing departmental requirements for the various programs such as: UGC grants under CPE as well be installed in next couple of months and the labs will be also renovated during vacation period.
- Have selected a large number of recent books under various grants for college library and also donated a large number of personal books to departmental library.
- Gave a lecture on interesting insects to the participants of workshop arranged by "Aranyak", a local NGO, in July 2011
- Was invited for a couple of lectures for Ornithology Course in A. Garware College, Pune. I am a founder member of this Certificate Course and also helped designing the curriculum etc.
- Participated in Biodiversity Conference at Garware College during February 2012 and also worked as expert for presentation and posters.
- Have carried out research work on various aspects and have published many papers (In National as well as description of a new species of bug for many collaborators, some of them are foreign experts and authorities in this field.
- Was invited to contribute to the " Fauna of Maharashtra " volume of Zoological Survey of India (to be published in March-April 2012) and I have submitted Information on many groups.
- Have worked as "referee" for national and international journals during the year.
- Two students submitted PhD thesis under my guidance.
- Have identified insects for many students pursuing their research at various places (such as Dapoli, Chandoli, Assam Tripura, etc.)
- Have been invited for MKCL workshop (which will take place in late April- May 2012) for school children to talk about evolution.

##### **Dr. A.M.Bhalerao**

- Participated in one -day state -level Seminar on " Popularization of Science" organized by Department of Marathi, University of Pune on 11August 2011.
- Invited to teach certain topics from "A Entomology" organized by Nature lover-NGO' Aranyavaak in the months of Aug – Sep 2011.
- Worked as a Chairman, Time – Table Committee of our and efficiently carried out and completed the work of preparation, compilation and display of Jr. / Sr. college Time – table.
- Guided and helped in the Remedial coaching classes, conducted for the benefit of our SYBSc Students.
- Worked as the Advisor of Poster Session Committee for the smooth and effective conduct of Poster presentation during the " International Conference on Business Opportunities in Life Sciences " organized by our college from 28<sup>th</sup> – 30<sup>th</sup> Jan 2012.
- Helped in the organization and conduct of 3<sup>rd</sup> and 4<sup>th</sup> 'Add - on Departmental Course on 'Vermi – tech' during the 1<sup>st</sup> and 2<sup>nd</sup> term – ends of this academic year.

##### **Narendra M.Naidu**

- Was invited as a Chief-guest for felicitation of meritorious students at DES Secondary and Higher Secondary and Higher Secondary School, Pune in July 2011
- Was invited as a Chief-guest on Independence Day at St.Ursula High School , Akurdi
- Resource Person for the Certificate Course in 'Field Entomology' organized by ' Aranyavaak'
- Was invited as a Guest of Honor at the Convocation Ceremony of D.Y.Patil Homoeopathic Medical College, Pimpri.
- Delivered talks on 'Baba Amte and the Sustainability of Anandwan'at Kelkar Health Solutions, Cusrow Wadia College, Pune and Senior Citizen Club, Aundh-Baner.
- Spoke on 'Swami Vivekananda' at the NMV Katta, Sadashiv Peth, Pune.
- Delivered talk on 'Charlie Chaplin' at Senior Citizen Club, Gultekdi, Pune.
- Was a Resource person during the workshop conducted by MKCL for Olympiad scholars.
- Addressed the PTA of Modern English Medium School, Warje.
- Judge for 'Spandan' – State level Youth Festival of Maharashtra Health University, held at Ratnagiri.
- Attended the State – level workshop on 'Examination Reforms' at Annasaheb Waghire College, Saswad.
- Worked as the Chairman of Poster Session Committee during the "International Conference on Business Opportunities in Life Sciences" organized by our college from 28<sup>th</sup> – 30<sup>th</sup> Jan2012.
- Was a Resource person at the State-level Seminar at B.R.Gholap College, Sangvi. Spoke on 'Recent Trends in Developmental Biology'.
- Escorted the team of three students to Bangalore to attend the 'Indo-German- Greening with Goethe Conference' on "Environmental Issues and Solutions". The team was awarded the Best prize for Poster presentation.

##### **B.T.Kalbage**

- Participation in Integrated Vermitechnology Training Course.
- Organized S.Y.B.Sc. Study tour to Agriculture College, Pune, Govt. Fish Seed farm, Hadapsar and CBRTI, Pune.
- T.Y.B.Sc. visit to Agriculture College, Pune.
- Participated in Workshop on Disaster Management at B.R.Gholap College, Sangavi.
- Committee member in International Conference on Business Opportunities in Life-Science.
- Participated in 2 days Seminar on Biodiversity, Global Warming and Biotechnology at A.A.College, Manchar.
- Selected as member on Dissection Monitoring Committee, Fergusson College, Pune
- Was a Resource person for the MKCL workshop for Olympiad Students.
- Participated in 'Innovation' held at B.J.S College, Wagholi on 26<sup>th</sup> March 2012
- Completed a Refresher Course in Environmental Science at the University of Pune in March 2012.

**Mrs. Vaishali Chabukswar**

- Was a Resource person for the MKCL workshop for Olympiad students.
- Was a panel member to observe the lessons of candidates short-listed for the post of teacher in Zoology.

**Bhalerao Renu S.**

- Joined as a Teacher in Biology department from August 2011.
- Contributed as a resource person in Integrated Vermitechnology Training Course.
- Contributed as a resource person in Herbal Product workshop, conducted by Botany department.
- Worked as a member of Organizing committee in International Conference on Business Opportunities in Life-Science.

**Shubhada Phadnis V.**

- Joined as a Teacher in Biology department from December 2011.
- Contributed as a resource person in Integrated Vermitechnology Training Course.
- Contributed as a resource person in Herbal Product workshop, Conducted by Botany department.
- Worked as a member of Organizing committee in International Conference on Business Opportunities in Life-Science.

**Uma Sathye**

- Completed WOS(B) Project, New Delhi on 31<sup>st</sup> Aug 2011
- Presented the progress of the Research work in front of the DST Panel, New Delhi on 22<sup>nd</sup> September 2011.
- Prepared a detailed report of the description of about Mantid species with photographs.

**Shriraj Jakhalekar**

- Learnt the methods for identification of Freshwater sponges from Dr. H.V. Ghate. A short note on it is ready for publication.

**Umesh D. Gore** (Laboratory Assistant)

- Attended the 7 day evening – course of Prajapati Brahmakumari Vishwavidyalaya in 'Meditation and Concentration of Mind' organized in our college. This was conducted by Sharadadidi.

**Achievements of Students**

Henarika Pradhan was the topper in T.Y.B.Sc. Zoology in the academic year 2010-2011. She bagged the Prof. Mora Teja Chauhan Prize and Principal V.K. Jog Prize for the Best Graduate of the year.

Aditya Zaware (T.Y.B.Sc.Zoology), Swapnil Surgude(T.Y.B.Sc. Microbiology) and Vedant Kadam (Std XII- Science ) Presented their work On " Urban Domestic Waste Management" at the Indo-German Youth Conference On " Environmental issues and solutions" organized by Max Mueller Bhavan, under the Greening with Goethe programme , at Bangalore in December 2011.

They were felicitated by Honorable Deputy Speaker of the Rajya Sabha Mr. Rahman for winning the "Best Poster Award".

They were guided by Mr. Narendra Naidu. Prof. Sanjeevani Kuvalekar took initiative in this activity and Prof. Manisha Mandhare too rendered support.

Aditya Zaware and Swapnil Surgude also took part in the INNOVATION programme organized by BCUD, University of Pune at H.V. Desai College, Pune.

Aditya Zaware was selected as the 'Best Student' of this year in the 'Earn and Learn Scheme.

**- Dr. H.V. Ghate**  
**Head of the Department**

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## Library

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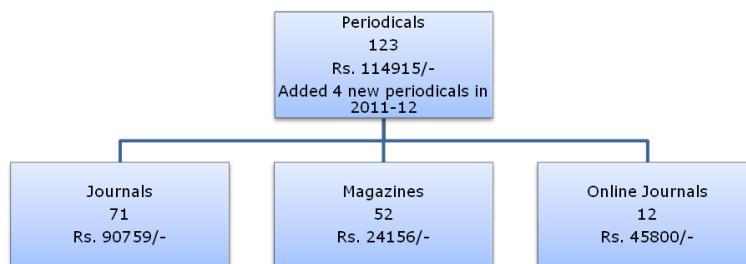
This year library has added **1975** books in the library during 1st April 2010 to 15 February 2011. Now there are **86940** books in the library.

Books added under different grants/budgets:

1. Jr. Wing - 130
2. Donation- 70
3. Non-Grant- 783
4. Sr. Wing- 992

We are thankful for the donation of books from: Hon'ble Dr. Ekbote; Prof. Ambekar Meena; New Era Publication, Denmark; Bhartiya Bhasha Sansthan, Mysore; Dr. Snehal Taware etc.

**Other than books we have following material in the library:**



Every year Identity cards to students and staff are generated from library Software. Internet facility for staff & students is provided in the library. It is totally free for staff & students and they extensively use this facility. There are 4 computers for students & 2 for staff members. One computer we have kept at the counter for students. Through OPAC ( On Line Public Access Catalogue) students can search & locate library books without manual help.

Along with the main library, there are departmental libraries in few departments for the convenience of staff & students. This year **Saraswati Pooja & Book Exhibition** of newly purchased books was held on 4<sup>th</sup> October 2011 in the library. Honourable Prin. Dr. R. S. Zunjarrao performed Pooja ceremony.

International conference on "Career Opportunities in Life Sciences", was organized on 28<sup>th</sup> to 30<sup>th</sup> of January 2012 and library books & journals on subject related to conference were displayed in the Conference Hall. 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 12 Students worked in the library under **Earn & Learn scheme** of University of Pune. 53 students availed the book bank facility from the library in the year 2011-12.

#### Activities of Library Staff:

##### Librarian Mrs. M. S. Datre

Presented paper on "Print & E-resources : supporting each other", in two days (19<sup>th</sup> & 20<sup>th</sup> August 2011) National Seminar at Sarojini Naidu Vanita Mahavidyalaya, Hyderabad. Presented paper on "Empowering College Library Staff to meet the Challenges," for the 13<sup>th</sup> National Annual MANLIB Convention at University of Delhi, New Delhi; during 13<sup>th</sup> -15<sup>th</sup> October 2011.

## Department of Physical Education

**Departmental Activities:** Sports Scholarship: New addition in Infrastructure and equipment:



**Photo 1: Inaguration of the New Basketball Court by the Hands of Dr. Rajendra Zunjarrao.**

This year college has prepared new jumping pit for the practice of the jumpers and plyometric training purpose. Similarly two bore wells has been established in the ground for the watering the ground. Basketball court was marked as per the latest rules of the association. This activity made the proud to our college to be first ground in the Pune University with the latest marking. New vibrator/massage equipment was also installed in the gymnasium. Latest motorised air pump with pressure gauge was also installed for the students to fill air in the different type of ball accurately as per the rules of the game.

**Core Muscle Training Program:** Core muscle plays important role in the performance of an athlete. Total 22 students participated in the program.

#### Coaching Camp

**Softball Coaching Camp:** Softball coaching camp was conducted with the collaboration of Pune District Softball Association during 1<sup>st</sup> November to 15<sup>th</sup> November 2011 for the students from pune city with aim to develop skills and made them selves sufficient to build strategy for the match situation. Total 35 students take advantage of the camp. International players Mr. Atul Shinde given tips regarding the pitching skill, Mr. Rakesh Gaikwad told about the shortstop skills, Mr. Raja Misal gave knowledge about the pitching strategies, Mrs. Manda Sathe trained the student regarding catching skill. Mr. Yogenkumar Asher, International Coach given the advised the student for the game plan preparation and execution of the same. Prof. Sujit Pawar (Hujurpaga Womens College, Pune) and Prof. Papat Dhanave (MIT College of Engineering, Pune) communicated the latest rules and regulations of the game. Mr. Swapnil Gulhane shoulder the responsibility as event incharge.

**Netball:** Netball coaching camp was conducted 16<sup>th</sup> to 31<sup>st</sup> August 2011. Mr. Samir Shikalkar and Prof. Santosh Pacharne primed the players with the advance skills and latest changed rules of the games. Mr. Pranit Shinde and Prafulla Rokade worked as the local organiser for the camp.

#### Football League



This year for the first time in the history of college we have started the "Modern Football League" i.e. MFP for the junior and senior college boys. In all eight teams viz. participated in the league. Tournament was played on league-cum-knought basis. Final Match was played on 7<sup>th</sup> January 2012. Dr. Rajendra Zunjarrao inagurati ed the final match.

#### Interzonal Organisation



This year college has successfully organised Inter zonal Badminton Competition for the men and women from Pune University. Total four teams each in men and women sections participated from Pune City, Pune District, Ahemadnagar and Nashik zone. Mr. Nandakumar Ekbote was the chief guest and Dr. Rajendra Zunjarrao presided over the function. Dr. Deepak Mane, Assitant Director of the Board of Sports, Pune University was aslo present for

the function.

### Modern Harmony-12 (MH-12)

This year for the first time college has organised Intercollegiate Sports Festival under the brand name "Modern Harmony 12" i.e. MH-12. Where Modern Karandak competition for the Volleyball, Progressive Shree for the Best Physique, Modfest for the Basketball and Mod-5 for the Five-A-Side competitions were organised during 31<sup>st</sup> January to 6<sup>th</sup> February 2012.

### PBAS Workshop

A one day workshop on Performance Basde Assessment System (PBAS) for the Director of Physical Education from Pune City was organised on . Eleven Directors of Physical Education and Sports participated in the workshop. Dr. Deepak Shendkar worked as resource person.

### Sports Scholarship

Following four Students of our college has got the prestigious Sports Scholarship from Pune University for their outstanding performance at All India Inter University Level Performance.

Sr. No.	Player's name	Class	Event	Amount
1	Sayali Kardekar	Mcom I	Volleyball	2,000/-
2	Akash Barkul	FYBCom	Rifle Shooting	5,000/-
3	Kanahiya Babar	MA II	Rifle Shooting	5,000/-
4	Sonam Bhambure	Mcom II	Judo	10,000/-

### Achievements of the Students

#### Interclass Competitions Performance

##### 1. Individual Event Result

Sr. No.	Event	Category	Place	Player's name	Class	Sr. No.	Event	Category	Place	Player's name	Class
1	Badminton (M)	Singles	1st	Avinash Darawade	M.A.I	13	Badminton(W)	Doubles	2nd	Selvina Sawant	F.Y.B.Sc
2	Badminton (M)	Singles	2nd	Pranit Shinde	S.Y.B.Com	14	Badminton(W)	Doubles	2nd	Krishanashri Menon	F.Y.B.sc
3	Badminton(M)	Doubles	1st	Nikhil Patange	F.Y.B.Sc	15	Badminton(W)	Singles	1st	Shruti Rao	F.Y.B.Com
4	Badminton(M)	Doubles	1st	Abhijit Sheludkar	F.Y.B.Sc	16	Badminton(W)	Singles	2nd	Chandani Basera	F.Y.B.sc
5	Badminton(M)	Doubles	2nd	Pranit Shinde	S.Y.B.Com	17	Chess		1st	Pranav Joshi	F.Y.B.Com
6	Badminton(M)	Doubles	2nd	Prafull Rokade	S.Y.B.Com	18	Chess		2nd	Abhijeet Shelarkar	F.Y.B.sc
7	Badminton(MIX)	Doubles	1st	Avinash Darawade	M.A.I	19	Chess		3rd	Kajal Kambale	S.Y.B.Com
8	Badminton(MIX)	Doubles	1st	Selvina Sawant	F.Y.B.sc	20	Table Tennis (M)	Doubles	1st	Indrajeet Singh	F.Y.BA
9	Badminton(MIX)	Doubles	2nd	Nikhil Patange	F.Y.B.sc	21	Table Tennis (M)	Doubles	1st	Ambar Kachale	F.Y.B.Sc
10	Badminton(MIX)	Doubles	2nd	Dhanashree Tilekar	S.Y.B.Com	22	Table Tennis (M)	Doubles	2nd	Viral Patel	S.Y.B.Com
11	Badminton(W)	Doubles	1st	Shruti Rao	F.Y.B.Com	23	Table Tennis (M)	Doubles	2nd	Nasim Shaikh	S.Y.B.Com
12	Badminton(W)	Doubles	1st	Chandani Basher	F.Y.B.Sc	24	Table Tennis (M)	Singles	1st	Rahul Naik	S.Y.B.Com
						25	Table Tennis (M)	Singles	2nd	Rahul Dadhich	S.Y.B.Com

##### 2. Team Event Performance

###### 1. Volleyball Winner : TYBSc

Sr. No.	Player's name	Sr. No.	Player's name	Sr. No.	Player's name	Sr. No.	Player's name
1	Dighvijay Jagtap	7	Aniket Gundgal	4	Avinash Gaikwad	10	Ajinkya Javale
2	Swapnil Gaikwad	8	Nilesh Deokhule	5	Nitin Akhade	11	Tushar Kale
3	Swapnil Aute	9	Ganesh Gadhwe	6	Vinit Joshi	12	Subhodh Gawde

###### 2. Volleyball Runner-ups : FYBSc (A)

Sr. No.	Player's name	Sr. No.	Player's name	Sr. No.	Player's name
1	Tushar Jadhav	5	Akshay Ghorpade	9	Kumar Jadhav
2	Sachin Jagtap	6	Abhishek Gaikwad	10	Abhishek Kumbhar
3	Vishal Chikhale	7	Sudarshan Kanahale	11	Rahul Iyeer
4	Akshay Gaikwad	8	Jayesh Jain	12	Pranay Kondhekar

###### 3. Football Winners : TYBCom (B)

Sr. No.	Player's name	Sr. No.	Player's name	Sr. No.	Player's name
1	Akshay Bhatuse	4	Deepak Yadav	7	Omkar Tarlekar
2	Nitesh Pawar	5	Abhay Choudhari	8	Naushad Shaikh
3	Suyog Kangokar	6	Nikhilesh Doiphode	9	Atish Dhotre

###### 4. Football Runners-up: FYBCom (D)

Sr. No.	Player's name	Sr. No.	Player's name	Sr. No.	Player's name	Sr. No.	Player's name
1	Onkar Gotal	3	Piyush Kulkarni	5	Tushar Tambat	7	Gaurav Mishra
2	Amit Gaikwad	4	Aman Mishra	6	Vishwanath Rao	8	Akshay Sakalf

###### 5. Kabaddi Winner: FYBA

Sr. No.	Player's name	Sr. No.	Player's name	Sr. No.	Player's name
1	Jayesh Kate	5	Mithun Jadhav	9	Tukaram Wargad
2	Pradip Dolas	6	Aniket Dhavan	10	Ganesh Kale
3	Rohit Kadam	7	Akash Zhambare		
4	Prashant Shinde	8	Mehul Shah		

###### 6. Kabaddi Rynner-ups: FYBCom (D)

Sr. No.	Player's name	Sr. No.	Player's name	Sr. No.	Player's name	Sr. No.	Player's name
1	Nikhil Dumbre	4	Dhananjay Kasab	7	Vivek Surve	10	Omkar Kalamkar
2	Ajit Chandare	5	Amit Pawar	8	Amit Gaikwad		

3	Prasad Dhore	6	Shivaji Patole	9	Sunil Koli		
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7. **Basketball Winners : SYBSc (B)**

Sr. No.	Player's name	Sr. No.	Player's name	Sr. No.	Player's name
1	Tejas Khivsare	3	Amol Waghmare	5	Lalit Pimple
2	Aniket Kand	4	Akash Patil	6	Sharan Kavalikar

8. **Basketball Runner-ups: FYBCom (C)**

Sr. No.	Player's name	Sr. No.	Player's name	Sr. No.	Player's name
1	Sachin Shinde	3	Rohit Kothavle	5	Naresh Battula
2	Gaurav Shetty	4	Nepolian Raut		

**Annexure- I****List of medal winners in Year 2011-12****Intercollegiate Level**

1. **Aman Mishra** **FYBCom** **Hockey**  
a. Intercollegiate Hockey Tournament Bronze Medal
2. **Akshay Nikam** **SYBCom** **Hockey**  
a. Intercollegiate Hockey Tournament Bronze Medal
3. **Shashi Pillay** **SYBCom** **Hockey**  
a. Intercollegiate Hockey Tournament Bronze Medal
4. **Narendra Kumbhar** **TYBA** **Hockey**  
a. Intercollegiate Hockey Tournament Bronze Medal
5. **Ketan Salvi** **TYBCom** **Hockey**  
a. Intercollegiate Hockey Tournament Bronze Medal
6. **Suyog Kangonkar** **TYBCom** **Hockey**  
a. Intercollegiate Hockey Tournament Bronze Medal
7. **Mangesh Shirke** **TYBCom** **Hockey**  
a. Intercollegiate Hockey Tournament Bronze Medal
8. **Sameer Mahapure** **FYBCom** **Baseball**  
a. Intercollegiate Baseball Tournament Silver Medal
9. **Omkar Zurunge** **FYBCom** **Baseball**  
a. Intercollegiate Baseball Tournament Silver Medal
10. **Rajesh Rajpurohit** **SYBCom** **Baseball**  
a. Intercollegiate Baseball Tournament Silver Medal
11. **Abhaysing Chaudhari** **TYBCom** **Baseball**  
a. Intercollegiate Baseball Tournament Silver Medal
12. **Naushad Shaikh** **TYBCom** **Baseball**  
a. Intercollegiate Baseball Tournament Silver Medal
13. **Sagar Mane** **TYBCom** **Baseball**  
a. Intercollegiate Baseball Tournament Silver Medal
14. **Shinde Pallavi** **SYBCom** **Netball**  
a. Intercollegiate Netball Tournament Gold Medal
15. **Rohit Bora** **FYBCom** **Netball**  
a. Intercollegiate Netball Competition Gold Medal
16. **Kiran Shejal** **FYBSc** **Athletics**  
a. Intercollegiate 1500 Mtr Running Bronze Medal

**Interzonal Level/State Level**

1. **Harish Kumar** **FYBCS** **Power Lifting/Best Physique**  
a. Intercollegiate Power Lifting Competition First Place  
b. Interzonal Power Lifting Competition Ahamadnagar Participation  
c. Intercollegiate Best Physique Competition 3<sup>rd</sup> Place
2. **Amit Pawar** **FYBCom** **Netball**  
a. Intercollegiate Netball Tournament Fergusson College Gold Medal  
b. Interzonal Netball Tournament Chakan Bronze Medal
3. **Shivaji Patole** **FYBCom** **Netball**  
a. Intercollegiate Netball Tournament Fergusson College Gold Medal  
b. Interzonal Netball Tournament Chakan Bronze Medal
4. **Sachin Shinde** **FYBCom** **Netball/Korfball**  
a. Intercollegiate Netball Tournament Fergusson College Gold Medal  
b. Interzonal Netball Tournament Chakan Bronze Medal  
c. Intercollegiate Korfball Tournament Abeda Inamdar College Gold Medal  
d. Netball State Championship Nashik Silver Medal
5. **Tejas Khivsare** **SYBSc** **Netball**  
a. Intercollegiate Netball Tournament Fergusson College Gold Medal  
b. Interzonal Netball Tournament Chakan Bronze Medal  
c. Intercollegiate Korfball Tournament Abeda Inamdar College Gold Medal
6. **Rohidas Daund** **TYBSc** **Best Physique**  
a. Intercollegiate Best Physique Competition M. Mohal College Second Place  
b. Interzonal Best Physique Competition Pathardi, A'Nagar Bronze Medal  
c. Intercollegiate "Modern Shree" Second Place  
d. Interclass "Modern Shree" First Place
7. **Pritam Naik** **TYBSc** **Volleyball**

a.	Interzonal Volleyball Competition	Sangamner	Bronze Medal
<b>8.</b>	<b>Shruti Rao</b>	<b>FYBCom</b>	<b>Netball/Korfball</b>
a.	Interclass Badminton Doubles		1 <sup>st</sup> Place
b.	Interclass Badminton Singles		1 <sup>st</sup> Place
c.	Intercollegiate Netball Tournament	Fergusson College	Gold Medal
d.	Interzonal Netball Tournament	Rajgurunagar	Bronze Medal
e.	Intercollegiate Korfball Tournament	Abeda Inamdar College	Gold Medal
f.	Interzonal Korfball Tournament	Junnar	Silver Medal
<b>9.</b>	<b>Snehal Sawant</b>	<b>FYBCom</b>	<b>Weight/Power Lifting</b>
a.	State Senior Weight Lifting Championship	Mumbai, Thane	Silver Medal
b.	Pune District Weight Lifting Championship	Talegaon	Gold Medal
c.	Intercollegiate Weight Lifting Competition	M. Mohal College	Gold Medal
d.	Interzonal Weight Lifting Competition	Pathardi	Silver Medal
e.	Intercollegiate Power Lifting Competition	M. Mohal College	Gold Medal
f.	Interzonal Power Lifting Competition	Pathardi	Silver Medal
<b>10.</b>	<b>Prafulla Rokade</b>	<b>SYBCom</b>	<b>Netball/Korfball</b>
a.	Interclass Badminton Doubles		2 <sup>nd</sup> Place
b.	State Korfball Championship	Kayan, Thane	Participation
c.	Intercollegiate Korfball Tournament	Abeda Inamdar College	Gold Medal
d.	Interzonal Korfball Competition	Junnar	Silver Medal
e.	Intercollegiate Netball Tournament	Fergusson College	Gold Medal
f.	Pune District Netball Tournament	Rajgurunagar	Silver Medal
<b>11.</b>	<b>Akash Zambare</b>	<b>FYBA</b>	<b>Netball/Handball</b>
a.	Intercollegiate Netball Tournament	Fergusson College	Gold Medal
b.	Interzonal Netball Tournament	Chakan	Bronze Medal
c.	Interzonal Handball Competition	Nashik	Gold Medal
<b>12.</b>	<b>Dhananjay Kasab</b>	<b>FYBCom</b>	<b>Netball/Korfball</b>
a.	Intercollegiate Netball Tournament	Fergusson College	Gold Medal
b.	Interzonal Netball Tournament	Chakan	Bronze Medal
c.	Intercollegiate Korfball Tournament	Abeda Inamdar College	Gold Medal
<b>13.</b>	<b>Prachi Kurkute</b>	<b>FYBCom</b>	<b>Netball</b>
a.	Intercollegiate Netball Tournament	Fergusson College	Gold Medal
b.	Interzonal Netball Tournament	Rajgurunagar	Gold Medal
<b>14.</b>	<b>Aditya Joshi</b>	<b>FYBSc</b>	<b>Baseball</b>
a.	Intercollegiate Baseball Competitio	Abeda Inamdar College	Silver Medal
b.	Interzonal Baseball Competition	Indapur	Gold Medal
<b>15.</b>	<b>Chirag Lokhande</b>	<b>SYBSc</b>	<b>Hockey</b>
a.	Intercollegiate Hockey Tournament		Bronze Medal
b.	Interzonal Hockey Competition	Pimpri	Gold Medal
<b>16.</b>	<b>Vikrant Jagtap</b>	<b>TYBCom</b>	<b>Baseball</b>
a.	Intercollegiate Baseball Competitio	Abeda Inamdar College	Silver Medal
b.	Interzonal Baseball Competition	Indapur	Gold Medal
<b>17.</b>	<b>Vishvesh Karambalekar</b>	<b>TYBCom</b>	<b>Baseball</b>
a.	Intercollegiate Baseball Competitio	Abeda Inamdar College	Silver Medal
b.	Interzonal Baseball Competition	Indapur	Gold Medal
<b>18.</b>	<b>Bhagyashree Mohite</b>	<b>SYBA</b>	<b>Athletics (Javelin &amp; Hammer Throw)</b>
a.	Mahatashtra State Athletic Championship	Javelin	Bronze Medal
19.	Rikin Mahamuni	SYBCom	Khokho
a.	Interzonal Khokho Tournament	Indapur	Gold Medal
<b>Inter University/National Level</b>			
<b>1.</b>	<b>Mrunal Bhosale</b>	<b>FYBA</b>	<b>Boxing</b>
a.	Intercollegiate Boxing Competition	Poona College	Gold Medal
b.	Interzonal Boxing Competition		Gold Medal
c.	All India Inter University Boxing Championship		Participation
<b>2.</b>	<b>Rohan Joshi</b>	<b>FYBCom</b>	<b>Chess</b>
a.	Intercollegiate Chess Championship		5 <sup>th</sup> Place
b.	3 <sup>rd</sup> P.N. Gadgil International Rating Tournament	Pune	Participation
c.	All India Fide Rating Tournament	Nagpur	Participation
d.	Interzonal Chess Championship	Pune	Team Gold
e.	All India Fide Rating Tournament	Ahemadnagar	Participation
f.	Suraj International Rating Tournament	Sangali	Participation
g.	All India Inter University Tournament		Selection
<b>3.</b>	<b>Dipika Jambukar</b>	<b>FYBCom</b>	<b>Cycling</b>
a.	Intercollegiate Cycling Championship		Forth Place
b.	All India Inter University Competition	Patiyala	Participation
c.	Cycling Federation National Championship	Pune	Participation
<b>4.</b>	<b>Manoj Pillay</b>	<b>FYBCom</b>	<b>Hockey</b>
a.	Intercollegiate Hockey Tournament		Bronze Medal
b.	Interzonal Hockey Tournament		Gold Medal

- c. All India Inter University Hockey Championship Madhya Pradesh Participation  
d. Junior National Hockey Championship Hyderabad Participation
- 5. Manjushree Korde Mcom I Netball/Korfball**  
a. Intercollegiate Korfball Tournament Abeda Inamdar College Gold Medal  
b. Interzonal Korfball Competition Junnar Silver Medal  
c. All India Inter University Netball Competition Bilaspur, Chattishgad Participation  
d. Intercollegiate Netball Tournament Fergusson College Gold Medal  
e. Interzonal Netball Competition Rajgurunagar Silver Medal  
f. Senior National Korfball Championship Jaipur, Rajasthan Participation
- 6. Vishal Muluk Mcom I Netball/Korfball**  
a. Intercollegiate Korfball Tournament Abeda Inamdar College Gold Medal  
b. Interzonal Korfball Competition Junnar Silver Medal  
c. All India Inter University Korfball Competition Haryana Participation  
d. All India Inter University Netball Competition Bilaspur, Chattishgad Participation  
e. Intercollegiate Netball Tournament Fergusson College Gold Medal  
f. Interzonal Netball Competition Chakan Bronze Medal  
g. Senior National Korfball Championship Jaipur, Rajasthan Participation
- 7. Neha Naik M.Com II Diving/Tennis Volleyball**  
a. Intercollegiate Diving Competition Gold Medal  
b. Interzonal Diving Competition Gold Medal  
c. All India Inter University Diving Competition Kolkatta 4<sup>th</sup> Place  
d. Senior National Tennis Volleyball Competition Delhi Bronze Medal
- 8. Sidharth Godbole SYBA Boxing**  
a. Intercollegiate Boxing Competition Gold Medal  
b. Interzonal Boxing Competition BJS College, Wagholi Gold Medal  
c. Maharashtra Open State Boxing Championship Akola Silver Medal  
d. All India Inter University Boxing Championship Rajasthan Participation
- 9. Chetan Baramatikar SYBCom Baseball/Hockey**  
a. Intercollegiate Hockey Tournament Bronze Medal  
b. Intercollegiate Baseball Competition Silver Medal  
c. Interzonal Baseball Competition Indapur Gold Medal  
d. All India Inter University Baseball Competition Cuttak, Orisa Participation
- 10. Pratik Apune SYBCom Hockey**  
a. Intercollegiate Hockey Tournament Bronze Medal  
b. All india Junior Hockey Tournament Hyderabad Participation
- 11. Pranit Shinde SYBCom Netball/Korfball/Baseball**  
a. Interclass Badminton Singles 2<sup>nd</sup> Place  
b. Interclass Badminton Doubles 2<sup>nd</sup> Place  
c. Intercollegiate Korfball Tournament Abeda Inamdar College Gold Medal  
d. Interzonal Korfball Competition Junnar Silver Medal  
e. All India Inter University Korfball Competition Rohatak, Haryana Participation  
f. All India Inter University Netball Competition Bilaspur, Chattishgad Participation  
g. Intercollegiate Netball Tournament Fergusson College Gold Medal  
h. Interzonal Netball Competition Chakan Bronze Medal  
i. District Netball Championship Rajgurunagar 2<sup>nd</sup> Place
- 12. Shital Yadav SYBCom Lawn Tennis**  
a. Intercollegiate Lawn Tennis Competition 4<sup>th</sup> Place  
b. Interzonal Lawn Tennis Championship 3<sup>rd</sup> Place  
c. West Zone Inter University Championship Nashik 2<sup>nd</sup> Place  
d. All India Inter University Lawn Tennis Championship Bhuwaneshwar Participation
- 13. Ujjwala Matale TYBCom Netball/Korfball**  
a. Intercollegiate Korfball Tournament Abeda Inamdar College Gold Medal  
b. Interzonal Korfball Competition Junnar Silver Medal  
c. All India Inter University Korfball Competition Haryana Participation  
d. Intercollegiate Netball Tournament Fergusson College Gold Medal  
e. Interzonal Netball Competition Rajgurunagar Silver Medal
- 14. Omkar Gotul FYBCom Hockey**  
a. Intercollegiate Hockey Tournament Bronze Medal  
b. Hockey State Championship Jalgaon Participation  
c. All India Junior Hockey Championship Hyderabad Participation
- 15. Aishwarya Shetty FYBCom Netball/Korfball**  
a. Intercollegiate Korfball Tournament Abeda Inamdar College Gold Medal  
b. Interzonal Korfball Competition Junnar Silver Medal  
c. Intercollegiate Netball Tournament Fergusson College Gold Medal  
d. Interzonal Netball Competition Rajgurunagar Silver Medal  
e. All India Inter University Netball Competition Bilaspur, Chattishgargh Participation
- 16. Swapnil Gulhane FYBSc Baseball/Softball**  
a. Intercollegiate Baseball Competition Silver Medal  
b. Interzonal Baseball Competition Indapur Gold Medal

- c. All India Inter University Baseball Competition Cuttak, Orisa Participation
- 17. Sayali Kardekar** **MCom I** **Volleyball**  
a. Ashwamedh Volleyball Competition Amravati Bronze Medal
- b. Senior National Volleyball Championship Raipur, Chattisgarh Participation
- c. Pune Univeristy Sports Scholarship Rs. 2000/-
- 18. Akash Barkul** **FYBCom** **Rifle Shooting**  
a. Intercollegiate Rifle Shooting Competition 2<sup>nd</sup> Place  
b. Interzonal Rifle Shooting Competition 2<sup>nd</sup> Place  
c. All India Inter University Rifle Shooting Competition Gwalior, MP Participation  
d. Pune University Sports Scholarship Rs. 5000/-
- 19. Kanahiya Babar** **MA II** **Rifle Shooting**  
a. Intercollegiate Rifle Shooting Competition 2<sup>nd</sup> Place  
b. Interzonal Rifle Shooting Competition 2<sup>nd</sup> Place  
c. All India Inter University Rifle Shooting Competition Gwalior, MP Participation  
d. Pune University Sports Scholarship Rs. 5,000/-
- 20. Sonam Bhambure** **Mcom II** **Judo**  
a. Intercollegitae Judo Participation Pune Gold  
b. Interzonal Judo Competition Pune Gold  
c. All India Inter University Judo Championship West Bengal  
d. Pune University Sports Scholarship Rs. 10,000/-
21. Rohan Joshi **FY** **Swimming**  
a. National Swimming Competition Participation
- Inter National Level**
- 1. Tanay Shah** **TYBSc** **Netball/Korfball**  
a. Intercollegiate Korfball Tournament Abeda Inamdar College Gold Medal  
b. Intercollegiate Netball Tournament Fergusson College Gold Medal  
c. International Netball Competition Colombo, Shrilanka Participation
- 2. Rugved Nirgudkar** **TYBCom** **Netball**  
a. Intercollegiate Korfball Tournament Abeda Inamdar College Gold Medal  
b. Intercollegiate Netball Tournament Fergusson College Gold Medal  
c. Maharashtra State Basketball Championship Nagpur 1<sup>st</sup> Place  
International Netball Competition Colombo, Shrilanka Participation