



*Progressive Education Society's*

# MODERN COLLEGE OF ARTS, SCIENCE AND COMMERCE

Shivajinagar, Pune 411005, Maharashtra, India

- Permanently Affiliated to Savitribai Phule Pune University
- 'Best College Award' by Savitribai Phule Pune University
- NAAC Re-accredited with 'A' Grade
- 'College with Potential for Excellence' status by UGC
- UGC - BSR Funded College
- DST - FIST Funded College
- 'Star College Status' by DBT
- Best College NSS Award and Best NSS P.O. Award by S.P.P.U.
- UGC - Community College Scheme
- Best College (Sports) Award by S.P.P.U.

## Annual Report 2014-2015

## ***From Chairman's Desk....***

*Modern College of Arts, Science and Commerce, Shivajinagar, Pune-5, was established in the year 1970, as the first senior college of the Progressive Education Society. Consistent with the vision of founder members of the Progressive Education Society, Late Shankarraoji Kanitkar and Late V. T. Tatke, we have always kept in sight the two keywords 'Progressive' and 'Modern'. I feel that this college has progressed from a humble beginning to a glorious destination today and is going to scale greater heights in the days to come.*

*Modern College, after achieving 'Best College Award' by Savitribai Phule Pune University in 2008, has improved its status by achieving 'A' grade from NAAC in 2010, CPE status of GC in 2011, BSR funds from UGC, FIST grants from DST and STAR college scheme from DBT in 2013. In the academic year 2014-15, the college has been awarded 'NSS Best College Award' by Savitribai Phule Pune University and state level 'NSS Best College (Jr. College) Award' by the Government of Maharashtra. The number of students enrolled in the college has crossed the 9000 mark including 64 international students. I am proud to mention that the college has established Digital Record Room, Digital Classrooms, Virtual Classroom, Virtual Laboratory and Digital Library for enhancing the quality of education.*

*The college has made it a tradition to organize various national and international seminars, symposia and conferences. The students of the college are excelling equally well in academics as well as in co-curricular and extra-curricular activities organized at the state as well as national level. I give full credit for all such commendable achievements to the Principal Dr. Rajendra Zunjarrao and Chairperson and members of Local Management Committee, which consists of senior educationalist like Prof. P. S. Chirputkar, Dr. A. K. Pande and Prof. Mrs. J. G. Ekbote.*

*On this background, I feel very happy and content to know that the college has prepared a 'Annual Report of the academic year 2024-15'. Modern College of Arts, Science and Commerce, Shivajinagar, Pune-5, is an asset to the Progressive Education Society as well as Savitribai Phule Pune University, on accounts of its several achievements in the field of education. I express my best wishes to the Principal, LMC Chairpersons, all LMC members, the staff members and the students for their future endeavors.*

*With personal regards,*

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



## ***From Principal's Desk...***

*It gives me an immense pleasure to present to you this Annual Report of the academic year 2014-15. I am thankful to all the stakeholders for their inputs in drafting this document.*

*Upon reviewing myself in the Principal's chair, I find myself as the most fortunate Principal of them all. We have a visionary educationalist Hon'ble Prof. Dr. G. R. Ekbote as the Chairman, Business Council of the Progressive Education Society. His support, fatherly advice, encouragement and guidance from time to time have enabled me to look forward to the challenges to overcome and take the college to even at higher level each time. Likewise, the guidance from the LMC chairpersons, Prof. P. S. Chirputkar, Dr. A. K. Pande and Prof. Mrs. J. G. Ekbote, has always eased out myself from the day today challenges and obstacles towards academic and administrative excellence. The valuable suggestions from them has always illuminated me in all of my endeavors. With so much supportive authorities and cooperative colleagues, how can I fail? I wish to thank all my Vice Principal colleagues, Registrar, and Heads of Departments for supporting me in all possible ways*

*Success of any activity in the college is rooted in the Team Work. All the awards won by the college and the prestige earned in the last 7-8 years is the result of such team spirit shown by all my colleagues from teaching staff, non-teaching staff and the supportive staff of the administration. The contribution of every single individual, no matter how insignificant, has always been valuable to me, since many such small contributions ultimately shape up the college and help it progress in various fields.*

*I am a strong believer of Kaizen, a Japanese philosophy of practicing continuous improvement. I take this opportunity to express my sincere gratitude towards everyone who has helped me, in one way or the other, to progress continuously and make it a habit. I wish to congratulate Dr. Mrs. Vaijayantimala Jadhav, Prof. Mrs. Vandana Joshi, Dr. R. B. Barmukh, Dr. Mrs. Snehal Taware, Prof. N. M. Naidu and for their active participation in preparing this Annual Report.*

*With warm regards,*

**Dr. Rajendra Zunjarrao**  
**Principal**  
**Modern College of Arts, Science & Commerce**

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# Office Report

The Academic Year 2014-15 started with the celebration of 44th 'College Foundation Day' on 16th June, 2014. An informative lecture by Dr. S.F. Patil, Ex-Vice Chancellor of Bharati Vidyapeeth and North Maharashtra University, was arranged on 'Higher Education' for the benefit of all the staff members of the College. We all, the members of the staff, congratulate our Hon. Chairman, Business Council Prof. Dr. G.R. Ekbote, for being conferred with two big Awards during this Academic Year :

1. VOCATIONAL EXCELLENCE award instituted by Rotary Club of Pune at the auspicious hands of Hon. Minister Girish Bapat
2. 'PUNYAGAURAV' award instituted by Brotherhood Foundation, Pune at the hands of Hon. Dr. K. H. Sancheti on Tuesday 7th April, 2015.

## Infrastructural growth and development in various departments :

Savitribai Phule Pune University awarded 'Best College award' to our college and the 'A' Grade was awarded by NAAC, Bangalore. UGC, Delhi, has awarded a Special Grant and status of 'College with Potential for Excellence' (CPE). The College is in receipt of 'Star College' Scheme of Department of Biotechnology, New Delhi (DBT) and the sanction of Special Grant for the development of Life Science Departments. In addition to these grants College is also in receipt of funds from different sources like BSR, QIP Grants from BCUD, for specific purposes. It also includes grants received to Individual Proposals of Major/Minor Projects/Schemes of the UGC. Many teachers from different departments of the College are in receipt of such grants. The Sports Department is also active in getting sanction for the Special Grant for the Sports Equipment for the College. Due to the funds received from such various sources College was able to improve the existing infrastructure of the college in general and Laboratories & Sports Department in particular. We are also able to provide various facilities to the students and staff of the college, such as the Intranet facility wherein all the departments are now interconnected. Internet facility with the 10 MBPS is also made available to all the departments in the college. The college website is also upgraded and launched in its new format recently.

We congratulate all the staff members concerned for their efforts and contribution in getting Special Grants from UGC, DBT, DST and such other funding agencies which has helped the college lot for developments and adopting some innovative practices.

## Facilities to Students

The facilities to provide students include:

- Online Admission System
- Adequate numbers of 'Water Coolers'
- 'Water Purifiers' - for both the drinking water tanks at the ground floor
- Ramp and two lifts - for Physically differently-abled students; Staff and also for the benefit of senior citizens.
- Bulk SMS facility for the benefit of students for various types of information
- Well equipped Gymnasium for the physical fitness of students and staff.

International students' Cell has been formed for the foreign students taking admissions for different courses in the college. Necessary guidance is provided to them in order to carry out the academic and such other activities smoothly during their stay in the college. This year a get-together function and Cultural Programme was arranged for the International Students. A large number of students participated in this function. They performed several activities and gave power point presentations regarding information of their respective countries. Students also expressed their views about the college.



Considering the Safety and Security of the Students, we have already installed 32 CCTV Cameras in the premises of the College and in three Class Rooms and also in some of the Departments. It is proposed to install the CCTV cameras in each class room and a few more areas to have proper control in the total premises of the college and to provide maximum safety and security to students of our College. In order to have pleasant class room environment, all the wooden benches in each class room have been polished. Care is also being taken to have adequate number of ceiling fans and tube lights in each of the class rooms and passages.

### **Workshops and Guest lectures**

As the NAAC re-accreditation is due in near future the preparation for the re-accreditation has begun. NAAC Meeting of all the staff members was organised in this context.

NAAC Workshop and Guest lectures were also organized to have clear and better idea about the changes in the accreditation procedure and marking scheme for the assessment.

### **Social Activities**

Three days Workshop on Rajyog Meditation was successfully organised by the College in collaboration with Prajapita Brahmakumari Ishwari Vishwavidyalaya on 28th to 30th April 2014, for Teaching and Non-teaching Staff members of different units run by the P. E. Society, Pune-5.

One day workshop was organised in the College on behalf of Joint Director, Higher Education, Pune Region, Pune-1, on 9th May 2014 for all the college representatives in the Pune City, regarding furnishing information about facilities available in the colleges for Higher Education.

An Inspection Committee visited the college on 19th May 2014 to verify the facilities available in the college and to report it to the concerned authority. Under the able guidance of our Principal Dr. R. S. Zunjarrao, Swaccha Bharat Abhiyan was also observed by different units of the college and all the Teaching and Non-teaching Staff. The Staff and students of NSS, NCC Units and Physical Education Department took active part. On behalf of Savitribai Phule Pune University, CAS workshop was organised in the College Assembly Hall for a week i.e. from 2nd June 2014 to 8th June 2014. The Co-ordinator Dr. S. K. Ujlambkar organized the workshop very successfully.

The college office supported the NSS Camps at Phulgaon and also the Rice plantation activity at Vinzar in which NSS and NCC students participated in large numbers. In the month of August, 2014 Under the Skill Development Programme the "Laghu Uddyojakata Prashikshan" Programme was organised by the Committee for the Class IV Staff members from the college to motivate them to have their small scale supporting activities in their life. The National Voters Day was celebrated on 25th January, 2015. Vice-Principal Prof S.R. Chaudhari gave oath to the citizens and students and staff of the college and he distributed the Voters ID Cards to the newly registered voters of the local area.

### **General Events**

1st May 2014 - The College celebrated Maharashtra Din. Flag hoisting Ceremony was organised on this day. On the occasion of Ganesh Jayanti Bhoomi Poojan of Board Room and Administrative Block at the auspicious hands of Hon. Prof. Mrs. Jyotsana Ekbote, Joint Secretary P. E. Society, Pune 5 was arranged. The Administrative Staff participated in various events/functions like: The College Foundation day, International conference organised IQAC, National Level conference organised by Department of Microbiology, State level Seminars organised by Department of Zoology and Department of Business Administration in Commerce, and National level conference jointly organised by Library, PES's Modern College, Shivajinagar, Pune-5 and PES's MIBM, and Lecture Series organised by the various departments. The Staff also participated in the programmes like : Annual Social Gathering 2014, Academic Prize Distribution Function, Modern Harmony – a function organised by Gymkhana Department, Gymkhana Prize Distribution Function, Arts Circle Week and Arts Circle Prize Distribution Function. The Staff also attended visits of the Local Inquiry Committees regarding affiliation and continuation etc.

### **Information for Freshers**

Guidance sessions for the fresh students (freshers) taking admissions in the college (Std. XI and First Year classes of all the streams), were arranged at the beginning of the academic year. All Heads of the Departments Chairmen of the various Committees gave basic information about various activities carried out during the year and the



information about various facilities available in the college. General information regarding Office Administration was also given to them.

### **Proposed use of advance technology**

In many of the fields we are using Advance Technology/ICT. In near future activities like Online Admissions, Attendance of students, Alerts to parents regarding performance and attendance of students in the class, making available the facility of online communication of parents with teachers and students with their teachers regarding performance of students and also the academic issues. SPPU has also introduced the idea of sending online question papers of some classes on trial basis. We were successful in getting online question papers.

The College has two RISO Digital Copiers for getting the fast copies @ 130 papers per minute of question papers.

### **Digital Record Room**

An Idea of Digitization of old and current Record relating to the students and Staff and of important documents has been undertaken. The system has been installed and implemented. The idea of digitization is still in process. Digitization is the best solution for saving storage space. The administrative staff is getting benefit of this system. This system will help to achieve the objective of paperless office.

### **General Administration and Examinations:**

The routine administrative work was carried out smoothly. Newly appointed staff offered good cooperation in discharging the important responsibilities, such as conducting Savitribai Phule Pune University, Pune Theory Examinations, H.S.C. Board Theory Examinations etc. Collectively all the office staff carried out the responsibility of the work of recently introduced First Year examinations on the basis of CAP, including printing of Admit Cards of students, preparation and declaration of results. Secondly they contributed for approval and correction in the online filled University examination forms for Junior College

H.S.C. Examination as well as Senior college and P.G. Courses. The generation of examination online examination fee challan and e-transfer of examination fees to the University of Pune was also done properly.

The work of online H.S.C. Examination forms, uploading the data was also carried out successfully.

The implementation of Credit System for the Post Graduate Courses was carried out successfully.

Administration re-organised the activities of the office so as to render more effective services to the students and staff. The effective use of Students Database Management "VRIDDHI", was made during the academic year. The data entry work of students related to examination was completed as per the Savitribai Phule Pune University of Pune guidelines. Office staff took maximum efforts to support the newly introduced system of Online Question Papers, Barcode System for the answerbooks.

The new responsibility of carrying out the M.Sc./MCS/MCA (Sci) CAP in December 2014, given by the Savitribai Phule Pune University was also accepted. Teaching & Non-teaching staff took maximum efforts to carry out the new responsibility. This activity and procedure of conducting this type of CAP was new to the staff, in which online appointments of examiners were made through the system provided by the University. The classification of Answerbooks arranging them in a particular way pasting the UID code to each and every Answerbook, keeping online track of assessed Answer book of each and every examiner in the system provided by the University, in order to enable the University Finance Section to make the payment Assessment of Answer books and bills of examiners directly to their respective bank accounts; all these steps were smoothly managed and completed.

Medical Examination of All First Year Students was conducted on behalf of the Savitribai Phule Pune University, by the Committee constituted by the college. Chairman Dr. Mrs. S. L. Taware, Superintendent Shri. Avhad V.L. carried out this activity with the help of Teaching Staff and Nonteaching Staff from office and staff from Laboratories. The newly developed college website will help to upload information of newly introduced courses available in the college, different events and activities conducted by the college. Every department may have its own website, linked with the main website of the college, to keep the updated information of college available to all at a glance.



The data sharing between the Administrative Section and the different departments will become very easy. This will also enable the students to be updated regarding various aspects related to them. The idea of online payment of fees is also under consideration, which will be very useful from the administration point of view and it will be also beneficial to all the parents and students seeking admissions in the college. The Accounts and Administrative section of the college took efforts to see that, all the work relating to Provident Fund and PF Slips was completed. The Service Books of all teaching and non-teaching staff of are also being updated and Scanned. Various claims and disbursement of all the pending arrears of the staff was completed, quick submission of the pension cases of retiring members of the staff and its follow-up, speedy settlement of Pension and P.F. cases, reimbursement of medical bills etc. were done.

Efforts are also being taken to achieve full computerization of the office.

The Accounts Section is taking utmost care to complete all accounting work accurately and within time schedule. Care is being taken to disburse all the amounts in time, received from the Government and other authorities. The internal audit of all the Units of the college, as well as the Statutory Audit for the year 2013-14 has already been completed. The Audit of the current year i.e. 2014-15 has been initiated. Under the able guidance of Principal, Dr. R. S. Zunjarrao, Vice-Principal Dr. Y. R. Waghmare and Prof. S. S. Deshmukh, the Statement of Expenditures and Utilization Certificates and Audit regarding different schemes and projects sanctioned by the different funding agencies have been completed in time. Thanks to Dr. Y. R. Waghmare, Prof. S. S. Thengadi, Prof. S. R. Choudhari and Mr. Deepak Shah and all other staff involved in this regard.

We are very much thankful to all the teaching and non-teaching staff, particularly Prof. S. S. Thengadi and Prof. S. R. Choudhari for the efforts they have taken for getting various Grants from U.G.C./D.S.T./BCUD and such other funding agencies for different Projects and Schemes, especially the Continuation of Star College Schemesanctioned by the DBT. New Delhi. We are very much thankful to all the Non-teaching staff for performing their duties at the respective departments and in the office. We also thank them for their contribution in carrying out various events and functions during the year. From last few years we are implementing the 'Earn & Learn Scheme' introduced by Savitribai Phule Pune University. The students are selected on the basis of their socio economic background, by conducting interviews and they are given opportunity to work and earn money while learning.

This scheme is strictly implemented as per rules and regulations and guidelines given by the University. The workshop for Salary Budget organized by the Joint Director's office and such other workshops relating to salary and Non-Salary Grants, CAS, Staff Approvals, the workshops for Teaching and Non-Teaching Staff Placements and Promotion, Pay Fixation etc were also attended by Superintendent Shri. Renuse P.D., Head Clerk, Shri. Parde Indrajeet, Sr. Clerk, Shri. Sagar Chavan, staff from Administrative Section. The workshops organized by the Social Welfare Office regarding online Scholarship and Freeships and approval of fees of various grant and nongrant courses were also attended by Head Clerk Shri. Parde Indrajeet and Smt. Sasane Sunita. The Workshop on Eligibility of Students, Workshops on CAS for Senior College Staff, were also attended by the Admin. Staff. The workshops of Online Admissions for XIth Class were attended by Vice Principal, Supervisor of Junior College, some of the faculty co-ordinators and non teaching staff.

The duties assigned to the Teaching and Nonteaching Staff of the college by the Election Commission for State Assembly Elections 2014 were also carried out successfully by the staff members concerned. The office staff provided able support in conducting the Senior College Interviews arranged for selection of Teaching and Non-teaching Staff and the written examination organised for the recruitment of non-teaching staff. SET/NET exams and such other exams of private organizations, were also conducted.

### **H. R. and Training Programme**

The College Authorities has took lead to Select Head of the Departments as the representative

Members of the Staff for Arranging Training and Workshops :In order to complete the required documentation and to bring uniformity regarding NAAC Reaccreditation due in 2015, several Workshops were organised during January to March, 2015. Secondly Under the HR Training Programme



Two separate Training workshops in collaboration with Rambhau Mhalgi Pratisthan, on competency Building and Personality Development among the Staff members of the College were organized. One Workshop was specifically organized for the Office and Library Staff. Total 30 Participants successfully completed the workshop. Another workshop was organised for the Teachers who have recently joined the College. In order to give better services to the Students, Parents and Staff members of the College, it was decided to have International Standard process and to have better Systems in all the departments of the college. So a two days ISO Certification Training workshop was organised on 13th and 14th Feb 2015 for all the Office bearers, Senior Administrative Staff and all Heads of the Departments. All of them successfully completed this two days workshop. Some of the Staff members were selected for further two days Auditors training workshop. Nine Staff Members completed the training programme successfully and all of them passed the examination of the Auditors conducted by the Training Organisation and Certificates were also issued to them by the Organising Company.

### **Congratulations for Special Achievements**

Congratulations to all the teaching and nonteaching staff for getting the 'Clean and Beautiful College' award of Progressive Education Society, Pune-5, this year. Congratulations to our LMC Representative Shri Shashikant Kamthe for his selection as Working Committee Member of All India College and University Employees Federation on 21st June 2014. Congratulations to newly Elected members from Teaching and Non teaching Staff on PES Employees Credit Co-operative Society, for a period of next five years.

Congratulations to our College Gymkhana , Departments, P. E. Teachers and the students participating in different individual and team events at State level and National level and winning more than 100 medals including Gold Silver and Bronze Medals, particularly the Ladies Cricket Team participating for the first time and becoming the winner by defeating a reputed opponent team.

Congratulations to all other students also who have participated in various sports activities during the academic year either individually or as a team member and made efforts to win.

Congratulations to all those students who have participated in cultural and such other competitions and winning prizes. Congratulations to all the meritorious students who stood first either in their Subjects or in the class and winning the academic prizes. Congratulations to Teaching and non-teaching Staff who have participated in different team events for the Sports Competitions organised by the Progressive Education Society in the Memory of Guruvarya Shankarraoji Kanitkar and winning the Final Matches: Winner in Cricket and Runners up in Volley Ball (Gents) and Ladies Teams winner in Dodge ball and Throw Ball. The members of the teaching and non-teaching staff and the students, all deserve to be congratulated for the special achievements during the year 2014-15. Student selected for participating in R.D. Parade, New Delhi, need special appreciation. Congratulations to Mrs. Vandana Joshi staff of Junior College, winning three Gold medals in the academic field by holding top rank in M.A. Marathi.

We also congratulate Ms. Cicily Rose for winning Two Gold medals for standing first in M.A. English.

Congratulations to Dr. N. M. Patil, Associate Professor in Botany and Mrs. Vandana Joshi Teacher in Marathi, from Jr. College, Shri. Vilas Lad from Office and Mrs. Swati Patwardhan from Office for getting Meritorious Best Teaching/Non-Teaching Staff Award of P.E. Society Pune-5, for the year 2013-14.

Congratulations to Shri. Nilesh Navale from office staff for his selection on Pune District non-teaching employees Union .Best luck to him for his contribution in future for betterment of non-teaching employees. We congratulate and Welcome the newly Joined/ Promoted Teaching & Non-teaching Staff.

Best wishes to all those Teaching & Non-teaching Staff pursuing their higher education, for Non-teaching appearing for various Board and University examinations and also congratulations to those who obtained success in HSC and University level examinations and MS-CIT examinations during the year.

Mr. U. D. Gore : Passed SET Examination of SPPU (Lib. Science).

Mr. Walmik Wagh : M.Ed. and SET Examination.

Ms. Latika Choudhari : M.Ed. and SET Examination.

Mrs. Swati Patwardhan: Passed B.Ed. Examination.

Mr. Amit Salunke : Passed B.Ed. Examination.

Dr. Ms. Madhura Koranne : Natya Samikshak, Puraskar of Akhil Bharatiya Marathi Natya Parishad.

### **Heartfelt Wishes for the Retiring staff**

Following members of the staff retired from the services after a long and fruitful service to the College:

- |   |                |
|---|----------------|
| 1. Dr. A. M. Bhalerao (Head, Dept. of Zoology)      | 31st July 2014 |
| 2. Mrs. Kuvalekar S. V. (Teacher in German)         | 31st Aug. 2014 |
| 3. Prof. Pokharkar S. R. (Head, Dept. of Chemistry) | 30th Sep. 2014 |
| 4. Mrs. Purohit S. D. (Head, Dept. of Hindi)        | 28th Feb. 2015 |

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

The Chairman Local Managing Committee and Junior College Committee, The Principal, Prof. In-charge BBA/BCA 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. Vilas Alhat, Prof S. S. Thengadi and Prof. S. K. Ujlambkar needs mention. Guidance provided by Prof. A. G. Gosavi and Dr. Y. R. Waghmare in accounting work was beneficial to the college. The office staff expresses their gratitude towards them.



## 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.)  
Junior wing – XI and XII Arts and Commerce (Economics)  
Senior wing - B.A. - Special Economics, B.Com - Business Economics  
Post Graduate wing- M.A. Special Economics (4 Semesters – 16 papers), M.Com – Industrial Economics and Global industrial Environment  
M.Phil /Ph.D. - Research Centre in Economics, from 2013  
Skill Development programs/workshops –
  - Post-Graduate Diploma in Foreign Trade, Post-Graduate Diploma in Banking and Finance.
4. **Names of Interdisciplinary courses and the departments/units involved :** B.A., B.Com, PGDFT, PGDBF, MBA
5. **Annual/ semester/choice based credit system (programme wise)**  
B.A. and B.Com – Annual  
M.A. and M.Com – Choice based credit system
6. **Participation of the department in the courses offered by other departments**  
All teachers are teaching to Arts Faculty, Commerce Faculty and Management Faculty of Modern College, Pune
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	NIL	NIL
Associate Professors	3	3
Asst. Professors	2	2

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. PhD., MBS(HR)	HOD Associate Professor	Economics	30 yrs	7 students
Dr. A. H. Shende	M.A. PhD. NET, SET	Associate Professor	Economics	17 yrs	1 student
Dr. S. S. Deshmukh	M.A. Ph.D. SET	Asst. Professor	Economics	14yrs	—
Mrs. S. A. Vartak	M.A. M.Phil. SET	Asst. Professor	Economics	25yrs	—
Miss P. B. Mujumdar	M.A. M.Phil. SET	Asst. Professor	Economics	13yrs	—

11. List of senior visiting faculty : 1) Dr. Mrs. Yojana Karve

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

Total workload of Grantable Courses: 102, Total workload of Non-Grantable Courses:

(BA-28, MA- 32) 60. 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.Com – 1: 120, B.A. (General) - 1: 120, B.A. (Special)- 1: 30, M.A.- 1: 60, M.Com -1:60

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

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

- Three Full Time and one CHB staff members have been awarded **Ph.D.** in Economics.
- Four of them have been awarded **M. Phil** in Economics
- Four of them have qualified the **SET** exam
- One member of the Dept. has been awarded **Post-Doctoral** fellowship by UGC.

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

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

1. **Dr. M. M. Satam**

Minor Research Project, UGC (Grant-1,70,000/) sanctioned on 20/03/2014  
Topic- Financial services and woman empowerment

2. **Dr. A. H. Shende**

Major Research Project, ICSSR (grant- Rs. 800,000), 2014-15

3. **Dr. M. M. Satam**

Minor MRP BCUD - 75000 2 years.



18. Research Centre /facility recognized by the University

Ph.D. - Research Centre in Economics from Dec. 2013

19. Publications:

1. **Dr. M. M. Satam**

1. **Books Published**

- Translated a book on Banking and Finance for T.Y.B.Com. published by Yashwantrao Chavan Mukta Vidyapeeth, Nashik.
- Text Book for S.Y.B.Com, Business Economics, Success Publications, 2009.
- Text Book for T.Y.B.Com, Economics, Success Publications, 2010.

2. **Research Project by Dr. Madhu Satam**

UGC Minor Research Project sanctioned of Rs. 1, 70,000 for 2014- 2016, entitled "financial services and Women Empowerment in Rural Maharashtra".

**Research Papers Published / Presented at International Conference**

- Presented a Paper on 'Women in Cooperative Banks', at International Conference on Cooperation held at **Mysore University**, on Dec 11, 2010. The paper is published in the proceedings of the Conference. ISBN 978-0-557-23823-1
- Presented a paper at an International Conference on "Sustainable Development" in Ness Wadia College of Commerce, Pune on 17<sup>th</sup> to 19<sup>th</sup> Jan 2013. Published the paper in Research Journal of Ness Wadia College of Commerce. **ISSN 2277-4823**
- Presented a paper at an International Conference, in VMV College, Nagpur, on "Global Economic Outlook on Recession and Recovery" on 10 and 11 Jan 2014. **ISBN 978-81-928735-0-3**
- Paper published in International Journal of Business Management and Social Sciences Vol III, issue 12(1)Aug 2014 ISSN2249-7463- "FDI in Retailing"
- Participated in International Conference in Sadhu Vaswani Institute of Management Studies, on 'Financial Inclusion of Rural Women in India' on 23 & 24 January 2015. The paper was published in Journal of Contemporary Research in Management. ISSN 2348-0092/Pune/Vol.-2 ISSUE 1/Jan-June 2015 (Bi Annual)
- Participated in International Conference on 'Education in Values & Spirituality' organised by Rajyoga Education & Research Foundation, Brahma Kumaris, Mount Abu, from 30 May to 3 June 2014.
- Participated in International Conference on Regional Trade Agreements, preferential trade agreements, & Indian Trade Policy held at Fergusson College on the 11-13 Feb. 2015.

**National Conference:**

- Presented and published a paper at National Conference, "Destination India 2020- Moving Towards Global Equalization", held at Abeda Inamdar College, Pune on 27 & 28 January 2007.  
The paper entitled "Agriculture, Industry and Services- Fuelling Economic Growth". The paper was published in the souvenir
- Paper presented at a National Level seminar on "Women in Contemporary India", held on 16-18 Jan.2008 at Abasaheb Garware College, Pune
- Paper presented at a National Level seminar on "Emerging Challenges of Banks in India" held on 5-7 Feb.2008 at MCCBS, on Banking Technology
- Paper published in the Indian Economic Association Journal, at the National Conference in Chandigarh, Panjab University, in Dec 2010
- Paper published in the Indian Economic Association Journal(referred journal), at the National Conference in Pune Dec 2011, on HDI in Maharashtra. **ISSN 0019-4662**
- Presented and published paper in National Seminar on Inclusive Growth in Symbiosis College, Pune, Feb 2012. **ISBN 978-81-921046-0-7**



- Presented and published paper in National Seminar Paper on FDI in Retail and Multi-brand, in Poona College in April 2013. ISBN 978-93-89965-46-9
- Presented and published paper in National Seminar Paper on "Emerging Trends in Banking and Finance in India" at Poona College in Feb 2014.  
ISBN 978-93-89965-49-0
- Presented & published paper on 'Role of BRICS in the Regional Development of Participating Nations' at Appasaheb Jedhe College, Pune on 16th & 17th Jan. 2015.  
ISBN 978-93-84916-90-9
- Presented and published paper on 'Monetary Policy in India' at Poona College on 6th & 7th Feb. 2015.  
ISBN : 978 - 81 - 927093 - 3 - 8

#### State Level Seminar :

- Presented a paper at State level Seminar, "Role of Women in R & D", held in Modern College, Pune on 13 - 15 February 2007.  
The paper entitled "Women in Banks" .
- Organized State Level Seminar in Modern College of ASC, Shivajinagar, Pune on 26 and 27 Sept. 2008 on "Impact of Globalization on Service Sector in India"
- Organized State Level Seminar in Modern College of ASC, Shivajinagar, Pune, on 'Research in Social Science - Techniques and Trends', on 7 and 8 Jan 2011.
- Invited as Resource Person to talk on environment and development at State Level Seminar organized by Modern College, Ganeshkhind, Pune, on 26<sup>th</sup> of Feb 2011.
- Invited as Resource Person to talk on RBI Policy by T.J. College Khadki.
- Attended State level seminar on "Maharashtra Economy : Challenges & Prospects" organized by department of Economics, Fergusson College, Pune on 29<sup>th</sup> & 30<sup>th</sup> Aug 2012

#### 2. Dr. A. H. Shende

##### 1. Book -

Grape Export-Retrospect and Prospect, Ambika Book Agency, Jaipur, January 2009 (ISBN: 81-87118-05-9)

##### 2. Research Articles

1. BAIF- Kesar Mangoes & Challenges ahead- A case study, Tribal Research Bulletin, March 2008
2. Challenges before the Grape Wine Industry: A case study, Southern Economist, October 15, 2008 (ISSN 0038-4046)
3. *Surganyatil Strawberry chi yashogatha*, Tribal Research Bulletin, March 2008
4. Horticultural Produce Exporting Cooperatives, Ashwattha (YCADA), April-June 2008
5. *Nashik Jilhyatil Grape Wine Vyawasai*, Samaj Prabhodhan Patrika, Oct-Dec 2008 (ISSN 0973-2845)
6. Global Gap Certification : A Non-Tariff barrier to small horticulture grower exporter, Southern Economist, September 15, 2010 (ISSN 0038-4046)
7. Prospects and Problems of Kesar Mango Export, Agri Business & Food Industry, August 2010
8. Rose Export Retrospect and Prospect: A case study of Pune, Floriculture Today, August 2010
9. Income generation for tribal people through horticulture plantation: A case study of Nashik District, Ashwattha (YCADA), April-June 2010 (ISSN:0976-3740)
10. Problems of Marketing of Floriculture Units: A Case Study, Southern Economist, October 15, 2011 (ISSN 0038-4046)
11. Income generation in tribal areas: An Appraisal of Strawberry Plantation in Surgana taluka of Nashik District, Ashwattha (YCADA), October-December 2011 (ISSN:0976-3740)



12. A case study of floriculture entrepreneurs of Pune District, Cosmos, BI Annual, January 2013 ISSN:2249-7463
13. VAPCOL - Ca marketing model for marginal farmers. International Journal of Multidisciplinary Research Vol I Issue 12 (IV) March 2013 ISSN:2277-9302
14. Review of Innovative Marketing of Indian Fruits in International Market, International Journal of Multidisciplinary Research, Vol. II Issue 2 (II) May 2013 ISSN:2277-9302
15. Integrated Tribal Development : A case study of Wadi Project in Nashik District, Journal of Development Management Studies, Ashwattha, Vol. 7, Issue No. 4 October November 2013 ISSN:0976-3740

**3) Dr. S. S. Deshmukh**

- 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.
- Socio-economic Status of Tribal in Sahyadri Region, Rajarshi Volume-III, Sept ember 2012 (ISSN-2320-5881).
- Participated in One day Workshop on 'Revision of Syllabus for TYBA Economics conducted by Modern College in association with SPPU on 2nd March 2015.

**4) Mrs. S. A. Vartak**

- 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, 11th Jan 2012. Modern College, Pune-05.
- Attended - "Two decades of India's Economic Reforms"-understanding poverty, inequality & regional disparities –three day National Seminar, 2nd to 4<sup>th</sup> Feb. 2012, S.P. College, Pune-30.
- Attended - "Inclusive growth in India- varied dimensions & challenges" - two day National Seminar, 17th & 18<sup>th</sup> Feb 2012. Symbiosis College of Commerce, Pune-411004
- Participated in "Keep Moving Movement" workshop conducted by Mr. Narain Goidani from Aug 2012 to Oct 2012.
- Participated in Co-operative Learning in classroom workshop-9th Feb 2013.
- Participated & completed a course on Value Education conducted by Modern College, Pune 5.
- Participated in One day Workshop on 'Revision of Syllabus for TYBA Economics conducted by Modern College, Pune in association with SPPU on 2nd March 2015.

**5) Ms. P. B. Mujumdar**

- Attended three days National seminar on "Inclusive Growth" organized by Indian Economic Association in Dec2011 at Bharati Vidyapeeth, Pune.
- Attended "Career opportunities in languages after graduation"- two days lecture series, 9th & 10<sup>th</sup> Jan2012 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".
- Attended state level workshop on "Credit System for Post Graduation" organised by C.T. Bora College, Shirur on 8<sup>th</sup> January, 2013.
- Attended Workshop for college teachers on "Cooperative Learning Applied to Class Room Teaching" organised by Modern College, Pune-5 on 8<sup>th</sup> February, 2013.

#### **Papers written & published**

- Written paper titled 'Inclusion of Women in Growth A Beginning.... yet miles to go' for the state level seminar organised by St. Mira's College, Pune in December 2008.
- Published a paper 'Population Dividend : 'A comparative study of Status of India & China' in Matrix Business Review Vol. I February-August 2011 ISSN:2230-8717
- Published paper 'Inclusive Education : A study of Education of Children with Disabilities in India' in Seminar proceedings of national seminar organised by Symbiosis College of Arts & Commerce, Pune in February 2012 ISBN : 978-81-921046-0-7
- Presented paper on 'Skill Gap Creating Obstacle in Leveraging the Demographic Dividend of India : A case study of Auto & Auto Component Industry in National Seminar organised by Dept. of Economics, Shivaji University, Kolhapur on 20<sup>th</sup> & 21<sup>st</sup> Feb. 2015.
- Participated in workshop on 'Fast Tracking Your Research Capabilities using spss' organised by Kaveri College, Pune on 9<sup>th</sup> & 10<sup>th</sup> December, 2014.
- Participated in one day workshop on 'Revision of syllabus for TYBA Economics conducted by Modern College, Pune in Association with SPPU on 2nd March 2015.

#### **6) 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.
- Presented a paper, "Involvement of Non-Banking Financial Companies (NBFCs) in Gold Loans" in UGC sponsored national conference, "Is India prepared to meet the contemporary and Future challenges with reference to the changing global Scenario", held on 1<sup>st</sup> & 2<sup>nd</sup> February 2013, conducted by Abeda Inamdar Senior College of Arts, Science and Commerce, Azam Campus, Pune,
- Attended one day workshop on Interdisciplinary studies- History, Social science & Economics held on 5<sup>th</sup> February 2013, Conducted by Modern College of Arts, Science & commerce, Ganeshkhind, Pune.
- Presented a paper, "Role of Rural Business Processing Outsourcing (BPO) in rural employment" at National conference on "Rural Development: A powerful Engine for developed India", conducted by Sinhgad Business School, Erandwane, Pune, held on 8<sup>th</sup> & 9<sup>th</sup> March 2013.
- Attended one day workshop on interdisciplinary studies - History, Social Science & Economics held on 5<sup>th</sup> Feb. 2013 conducted by Modern College, Ganeshkhind, Pune
- Presented paper on 'Role of Rural Business Processing Outsourcing in rural employment' at National Conference conducted by Sinhgad Business School Erandwane, Pune held on 8<sup>th</sup> & 9<sup>th</sup> March 2013. ISBN 978-93 50 97979-1
- Presented paper 'Organised VS Unorganised retail sector - survival of the fittest' at National Conference organised by Poona College held on 7<sup>th</sup> April 2013. ISBN : 978-93-89965-45-9
- Published a research article 'Role of organised retail shops & NBFCs in promoting consumer durable credit in Golden Research Thoughts - International Recognition Multidisciplinary Research Journal Vol-3 ISSUE 11



ISSN 2231-5063 May 2014

Impact Factor : 2-2052(UIF) DOI 10 97812231.5063

- Published a research article 'Impact of Local Body Tax (LBT) on unorganised traders in Maharashtra in Golden Research Thoughts - International Recognition Multidisciplinary Research Journal, Vol. 3 ISSUE 12 ISSN : 2231 - 5063 June 2014. Impact Factors : 2-2052 DOI 10.978/2231.5063

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 All the students of T.Y.B.A and M.A. complete in-house projects.
- 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:**

- 1) Kanhayya Babar : National Shooter
- 2) Peggu Dinesh: Passed SET exam in 2014
- 3) Priyadarshini Padher: Pursuing post graduation in Economics in USA
- 4) Indrajeet Kendre: Pursuing post graduation in Economics in Gokhale Institute Of Politics and Economics.

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

- Rajas Parchure, Director, Gokhale Institute of Politics & Economics, Pune
- Vasant Jugale, Distributor, Yashwantrao Chavan School of Rural Development, Shivaji University, Kolhapur
- Dr. Mukund Mahajan, Eminent Economist
- Dr. Santosh Dastane
- Dr. Sampat Mukharjee
- Dr. Ashutosh Ratavikar, RBI Researcher

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

- 1) Department of Social Sciences, Modern College of Arts, Science and Commerce, Shivajinagar, Pune 5, organized one day Seminar on **"Current Status of Social Sciences and future scope"**, on Wednesday, 11<sup>th</sup> of January 2012.

Chief Guest for the Inaugural Session- Dr. Gautam Bhong, Dean, MMSC, UOP

Other Speakers –

Dr. Shraddha Kumbhojkar, Head, Department of History, Tilak Maharashtra Vidyapeeth

Dr. Nitin Birmal, Ambedkar college, Yerawada, Pune

Prof. Alpana Vaidya, Department of Sociology, Symbiosis College

- 2) **State Level Seminar on Research in Social Sciences – Techniques & Trends**

Under Quality Improvement Programme Of University Of Pune

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.

Prof. Dr. Rajas Parchure, the Director of Gokhale Institute of Politics and Economics, Pune, was the chief guest for the inaugural session.

He gave wonderful insights on various research aspects. He shared his experiences as a Professor of Economics with respect to research process and as a guide to many Ph.D. students. He also mentioned as to how a researcher / Ph.D. student can state his hypothesis while starting his research work. He further elaborated research to be treated as a curiosity of work and not just a Ph.D. process in order to improve the quality of research.

He asked the students to treat research as a means to identify the problem and find the solutions by referring and reading the literature available and discussing with the experts from respective fields about the problem. That will give real satisfaction to the research students and a proper method for doing quality research work.

Dr. Mrs. Madhu Satam –Reader & Head of Economics Department was the coordinator of the seminar and Dr. Mrs. N J Kulkarni – Vice Principal and Head of Geography Department, was the organizing secretary. The objective was to imbibe the skills and techniques of research work to be undertaken by students while pursuing their various social sciences courses.

About 70 students and faculty members attended the seminar not only from Modern College but also from Fergusson College, S P College and many more colleges in an around Pune.

### 3) Quality Enhancement Workshop

The Department of Economics and PhD Research Centre in Economics, Modern College of Art, Science and Commerce, Shivajinagar, Pune-5, organized a Workshop on 'Quality Enhancement through Research and Innovations in Teaching' on 16 April 2013

Eminent research scholars, academicians and research students were invited to participate. The Workshop focused on research avenues in Economics, particularly in applied economic research.

The objectives were :

- > to improve the quality of teaching and research
- > to study the academic bench-marketing standards for better learning and research
- > to enhance the flow of information concerning effective learning and teaching.

Acknowledged scholars whose contribution in economics research is well known were invited for guidance in the above mentioned workshop. The workshop aimed at discussing various issues and topics of current importance demanding the attention of researchers.

The workshop was held on 16th April 2013 at 3 p.m. in the Assembly Hall of Modern College of Arts, Science and Commerce, Shivajinagar, Pune-5.

Programme Schedule of the workshop

Sr.No.	Particulars
1	Welcome Speech by Principal Dr. R. S. Zunjarrao
2	Presentation by Dr. M. M. Satam, HOD
3.	Presentation by Prof. Pathan, HOD
4.	Guidance by Dr. Rohini Satam
5.	Guidance by Dr. Santosh Dastane
6.	Guidance by Dr. Pushpa Ranade
7.	Guidance by Dr. Tanaji Gite
8.	Special Invitees 1) Dr. Sanjay Kharat 2) Prof. A. G. Gosavi



4) Workshop on Revision of Syllabus for TYBA Economics March 2015

The Department of Economics of Modern College of Arts, Science and Commerce, Pune in association with Savitribai Phule Pune University, Pune organized one day Workshop on Revision of Syllabus for TYBA Economics on 2nd March, 2015. The resource persons, members of Board of Studies, members of subcommittee for syllabus and participants from various colleges contributed in the Workshop. Approximately 80 participants were present for the Workshop. The Chairman of Board of Studies Dr. Suhas Avhad and Principal Dr. Rajendra Zunjarrao presided over the Workshop.

26. Student profile programme/course wise: Refer Office

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
F.Y.B.A. (Div. A + B)			118	81	
S.Y.B.A. S <sub>1</sub> & S <sub>2</sub> (Div. A & B)			32	22	
S.Y.B.A. G2			71	44	
T.Y.B.A. S <sub>3</sub> & S <sub>4</sub>			33	13	
T.Y.B.A. G3			73	34	

\*M = Male      \*F = Female

27. Diversity of Students:

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
F.Y.B.A.	80%	10%	10%
S.Y.B.A.	80%	10%	10%
T.Y.B.A.	80%	10%	10%
M.A.	80%	10%	10%

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

- Aditya Deshmukh - M.A. Student Qualified in Defense Service Services - Army Wing 2009
- Peggu Dinesh - M.A. - passed SET exam. in 2014
- Shruti Nadgauda - T.Y.B.Com. (Banking) passed SET Examination
- Sujeet Bahirat - M.A. cleared UPSC Preliminary Exam. in 2014
- Peggu Dinesh student of M.A. Passed SET exam in 2014

29. Student progression

Student progression	Against % enrolled
UG to PG	60%
PG to M.Phil.	10%
PG to Ph.D.	10%
Ph.D. to Post-Doctoral	—
<b>Employed</b>	
• Campus selection	TJSB
• Other than campus recruitment	Deusch
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

- Library : College Library
- Internet facilities for Staff & Students: Internet facility is made available
- Class rooms with ICT facility : Some of the classes have ICT facility
- Laboratories: N.A.

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

32. Details on student enrichment programmes (special lectures / workshops / Seminar) with external experts: Remedial course for F.Y.B.Com students was conducted in Academic Year 2012-13.

- Remedial course for F.Y. B.Com. students was conducted in Academic Year 2012-13.
- Guest Lectures :
  - Dr. Rajas Parchure, Director GIPF
  - Dr. Vasant Jugale was invited to guide especially Research & Post Graduate students on the topic 'Research in Economics' in October 2014.
  - Dr. Murzban Jal, Professor & Director at the Centre for Educational Studies, Indian Institute of Education, Pune
  - Exhibition on various topics of Banking & Finance
  - Financial Literacy Campaign in 2013 was organised create awareness about the financial system of India.
  - A visit was organised to Hiware Bazar in 2010-11
  - A visit was organised to RBI Training College, Pune for the students of B.A. & B.Com. for the year 2013-14 & 2014-15

33. Teaching methods adopted to improve student learning Effective use of ICT, Visit to Organization like RBI, NABARD, Adarsh Gaon (Hiware Bazar)

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

The Department has organized Financial Literacy Campaign in 2013 to create awareness about the financial system of India. The neighborhood community visited this campaign.

A visit was organised to Phulgaon for the students helped villagers to open bank account in association with Bank of Maharashtra.

35. SWOC analysis of the department and Future plans

**Strengths:** Qualified Staff, Effective Teaching, Good Interpersonal Relation with Students

**Weakness:** Syllabus is given, Infrastructure is to be increased, Space restrictions



**Opportunities:** Participation in interdisciplinary education

**Challenges:** Teaching to students from lower middle class and vernacular medium

### **Dept of Economics:**

#### **Activities :**

- 1) Banking Workshop was organized on 14 August 2014. The students were guided by Mr. Deepak Tripathi, Investment Advisor of the Standard Chartered Bank.
- 2) Workshop cum Guest Lecture of Dr. Vasant Jugale, Professor and Director, Yashwantrao Chavan School of Rural Development, Shivaji University, was organised on 4th October 2014. He spoke on 'Research Guidance'. This lecture was organised for research students and PGstudents of the Department.
- 3) Visits were organized to Reserve Bank of India, Pune, for the students of B.A., B.Com. and PG students on 13 August 2014, 25 September 2014 and 10 December 2014. Guest lecture on Career in Banking was organized on 25 September 2014. The students were guided by Mr. Kushal Bagi from Deutsche Bank.
- 4) One day Workshop on Revision of Syllabus for TYBA Economics was organized by the Department of Economics in association with Savitribai Phule Pune University, on 2nd March, 2015. The resource persons, members of Board of Studies, members of subcommittee for syllabus and participants from various colleges contributed in the Workshop. Approximately 80 participants were present for the Workshop. The Chairman of Board of Studies Dr. Suhas Avhad and Principal Dr. Rajendra Zunjarao presided over the Workshop.
- 5) A visit was organized to Phulgaon for the students where the students helped villagers to open bank account in association with Bank of Maharashtra. An exhibition and awareness programme was conducted under financial literacy campaign for the villagers on 09th December 2014.
- 6) Organized International Students Day on 21st January 2015 along with other departments.
- 7) Various Competitions like Essay Competition, Elocution, Group Discussion, Power Point Presentation, were organized under Planning Forum activity.

#### **Research projects :**

1. Dr. M. M. Satam - UGC, Minor Research Project Financial Services and Women Empowerment in Rural Maharashtra, 2 years (2013-15), Rs. 1,70,000
2. Dr. A. H. Shende - ICSSR, Major Research Project A Study of Competition, Co-operation and Conflict of India and China with special reference to Trade & Commerce, 1 Year (2014-15), Rs. 8,00,000
3. Dr. M. M. Satam - BCUD, Financial Inclusion of Urban Youth, 2 Years, Rs. 75,000/-

## Department of English

- 1) **Name of the department :** Department of English
- 2) **Year of Establishment :** 1970
- 3) **Names of Programmes/Courses:** U.G. P.G. in English
- 4) **Names of Interdisciplinary Courses:** Spoken English for academically weak students
- 5) **Courses Offered:**

**Undergraduate :** Annual Based System

**Compulsory English:** F.Y.B.A., S.Y.B.A., T.Y.B.A. and F.Y.B.Com.

**Additional/Optional English:** F.Y.B.Com, S.Y.BSc.

**General English:** F.Y.B.A., S.Y.B.A., T.Y.B.A.

**Special English:** S.Y.B.A, T.Y.B.A.

**Post Graduate:** M.A. I and M.A. II      Credit based Semester System

English Literature From 1550-1798      Indian Writings

English Literature From 1798-2000      English Language Learning and Teaching

English Language Today      Semantics and Pragmatics

Literary Criticism      Poetry
- 6) **Participation of Dept in courses offered by other depts..**

B.Sc. : Bio-Tech, Animation, P.G. Cyber Law,-Soft Skills, Human Resource, International Student Cell Coordination.
- 7) **Courses in Collaboration with Universities/Industries/Foreign Institutions:**

Blended English Course with the British Council Library, BITS, Pune, Technoknit, Pune, Proposed Collaboration with Newcastle University, Creative Writing Dept.
- 8) **Discontinued Course :** N/A
- 9) **Department Post Profile**

Post	Sanctioned	Filled
Professors	Nil	Nil
Associate Profs.	1	Nil
Assistant Profs.	2	3
Ad-Hoc	2	2
Visiting Faculty	3	3



**10) Faculty Profile**

Name	Qualification	Designation	Specialization	Experience	No. Of Ph.D students guided
Alka A. Kamble	M.A. (Pursuing Ph.D)	Asst. Prof.	ELT / Dalit & Marginalised Feminism	18 years	N/A
Dipali Lodh	M.A. SET	Asst. Prof.	Literature	5 years	N / A
Pallavi S. Math	M.A. SET	Asst.Prof.	Literature	3 years	N / A
Sangita Sarma	M.A., M.Phil., L.L.B, L.L.M	Ad-Hoc	Language & Literature	8 Years	N / A
Cicily Rose Anthony	M.A. (Pursuing M.Phil.)	Ad-Hoc	Literature	1 year	N / A

**11) List of Senior Visiting Faculty**

Dr. P. F. Patil, Dr. Deepaneeta Bhanja, Dr. Triveni Goswami Mathur

**12) Percentage of lectures delivered and practical classes handled by temporary faculty - Nil****13) Student Teacher Ratio (Programmewise)**

Sr. No	Courses / Division	Required Teachers	No. Of Students	Ratio
1	F.Y.B.A. Compulsory English Div A/B	2	240	120 : 1
2	S.Y.B.A. Compulsory English Div. A/B	2	230	115 : 1
3	T.Y.B.A. Compulsory English Div. A/B	2	210	105 : 1
4	F.Y.B.Com. Comp. Eng. Div. A/B/C/D	4	480	120 : 1
5	F.Y.B.Com. Addnl English Div. A/B/C/D	1	120	120 : 1
6	S.Y.B.Sc. Optional English Div. A/B	1	110	110 : 1
7	Gen. Eng. 1	1	35	35 : 1
8	Gen. Eng. 2	1	25	25 : 1
9	Gen. Eng. 3	1	15	15 : 1
10	Special Papers 1,2,3,4	4	15 each	15 : 1 for each paper

14) No. Of academic support staff : Office Clerk and Library Staff

15) Qualifications of Teaching Staff: P.G. : 5, M.Phil. : 1., Ph.D. : 3

16) Number of Faculty with Ongoing Projects : UGC Proposal sent for Technical Writing Course, Technical Translation Course Proposed : Counselling Center for Career in Languages

17) Dept. Funded Projects: NIL

18) Research Centre / facility recognized by University - NIL

19) Publications

Name of the faculty	Papers			Books			Total publications
	International	National	Presented in Conference	International	National/ Local	Book Chapter	
Prof. Mrs. Alka A. Kamble	-	-	3	-	-	-	3
Prof. Dipali Lodh	-	-	6	-	-	-	6
Prof. Sangita Sarma	-	-	2	-	-	-	2
Prof. Pankaj Lokhande	-	-	1	-	-	-	1

20) Areas of Consultancy and Income generated : N/A Non remunerative.

21) Faculty as members in International Association :

Alka Kamble association with Dr. Nicole Thiara, Center for Postcolonial Studies, Nottingham Trent University, UK

22) Student Projects : N/A

- Percentage of students who have done in-house projects including inter departmental /programme
- Percentage of students placed for projects in organisations outside the institution i.e. Research Laboratories/Industry/Other agencies

23) Awards/Recognitions received by faculty and students N/A

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

- Prof. W. N. Herbert – Prof. Of Creative Writing and eminent poet
- Leah Guren : Owner Cow T.C. Israel, associated with World Technical Writing Association
- Christina DeCoursey – Prof. 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

- National : Nil
- Workshop organised in January 2011, on Career Opportunities in Languages in association with Maharashtra Times, Pune
- Workshop arranged on Review Writing by Suchareeta Dutta
- Literary Fest : Modern College Students in February 2014
- International Conference on Enhancing Employability in Languages - on January 2013  
Funded by ICSSR, Delhi, BCUD, University of Pune

26) Student profile programme/course wise:

Name of the course / Programme (refer question No. 4)	Application received	Selected	Enrolled		Pass Percentage
			M	F	
F.Y.B.A.	430	300	130	170	65%
S.Y.B.A.	250	230	100	130	68%
T.Y.B.A.	210	210	90	120	66%
T.Y.B.A. (Sp. Eng.)	20	16	5	11	85%
M.A. I	110	60	35	25	77%
M.A. II	54	50	34	20	76%
S.Y. B.Sc.	300	110	65	45	90%
F.Y. B.Com.	1000	480	200	280	80%

27) Diversity of Students

Name of the course	%of students from the same state	%of students from other states	% of students from abroad
U.G. (Compulsory English)	90 %	9.3%	9.5%
U.G. (Special English)	80%	20 %	10%
M.A.	80%	10 %	10%

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

NIL

**29. Student progression**

Student progression	Against % enrolled
UG to PG	70%
PG to M.Phil	05%
PG to PhD	05%
PhD to Post-Doctoral	Nil
Employed Other than campus recruitment	50%
Self Employment	30%

**30. Details of Infra Facility**

- a) Library—common library
- b) Internet facility for staff and students— Available
- c) Class room with ICT facility— Available
- d) Language laboratories— Available

**31. Number of students receiving financial assistance:** SC, ST, NT, OBC students enrolled in the college receive government scholarships, Postmatric Scholarship for Northeast Students, Funds given by Dr. Dhirawit P Nothangarn- Sureenaree University, Thailand, and Sandeep Nulkar- BITS, Pune, for North East Student who is first in M.A.

**32. Details on students Enrichment programme:**

1. Conduct Remedial coaching classes and Workshops
2. Association with BCL Pune for Blended English Course
3. Spoken English Classes

**33. Effective Teaching Methods**

1. Group Discussion in M.A., S.Y.B.Sc. and T.Y.BA. classes
2. Film show related to the Literature prescribed
3. Field visit: CIEFL Hyd and Deccan college Pune
4. Reference skills study material for assignments and presentations
5. Poster Competition

**34. Participation in Institutional Social Responsibility and Extension activities— Nil**

**35. SWOC analysis**

- a) Strength— Team work, youngest department in the college and enthusiastic, good rapport with the students, College centrally located, Parent Authority encouraging, supportive, provide and encourage for participation in curricular and research activities.
- b) Weaknesses— no of students, constraints of prescribed syllabus and time



- c) Opportunities— need to collaborate with language industry and freedom of framing activities for enriching skills of the students
- d) Challenges— coping up with new technological challenges with academically weak students

### **English Dept.**

#### **Activities:**

- 1) Collage Competition was organized for UG students. Students displayed the Collage on charts the "Mythological References" on 16th August 2014.
- 2) A Workshop was organized on Creative Writing in association with British Library on 5<sup>th</sup> February 2015. Dr. W. N. Herbert, (Poet and a professor of Creative Writing, New Castle University, Scotland) was invited to guide the students.
- 3) 17 students from the college were selected by British Library for "Blended English Course". These students will get their online and classroom training through British Library.
- 4) Spoken English Classes were organized for foreign students in the college. Ms. Anupama Spencer held the classes.
- 5) Ms. Lovon Dawson and Ms. Avanees Pendse (SYBA-Div. B) participated in the debate competition at St. Mira's College and Symbiosis College, Pune.
- 6) Omkar Jadhav, Lovon Dawson, Sayani Biswas, Aditi Moghe, Simran Mehta, Gauri Chudekar and Avanees Pendse participated in a Play Reading competition organized by St. Mira's College, Pune. They were guided by Ms. Dipali Lodh and Ms. Sangita Sarma.
- 7) M.A. English students attended the seminar on "Satish Alekar and his Plays" organized by Marathi Dept. SPPU.
- 8) A Documentary was screened by Ms. Cicily Rose Anthony on "Satish Alekar The Palywright by Atul Pethe" for MA classes.
- 9) M.A. Students attended the seminar on Translation Studies/ Film Studies organized by Dept. of English SPPU and a lecture by Dr. Aniket Jaaware at St. Mira's College, Pune.

#### **Activities of the Department Staff Mrs. Alka Kamble**

- Invited as a chairperson for a session at National Conference organized by Symbiosis ELTIS, Model Colony, Pune on 29th and 30th January 2015.
- Attended a Public Lecture on 'Modernism and Post Modernism' by Dr. Aniket Jaaware at St. Mira's College for Girls on 14th March 2015.
- Completed a training of ISO 9001 organised by the college.

#### **Ms. Dipali Lodh:**

- Participated in the Teachers' Training Programme with special emphasis on ICT in Research and Teaching and Soft Skills, organized by Modern College Pune, 5 and ABEED from 5<sup>th</sup> December 2014 to 17th January 2015.
- Attended a symposium at St. Mira's College for Girls on "The Feminine Frontier" on 7<sup>th</sup> February 2015.
- Attended a Public Lecture on 'Modernism and Post Modernism' by Dr. Aniket Jaaware at St. Mira's College for Girls on 14th March 2015.
- Taught at Nowrosjee Wadia College as a Visiting Faculty for M.A. I (English).

**Mrs. Pallavi Math**

- Participated in the Teachers' Training Programme with special emphasis on ICT in Research and Teaching and Soft Skills, organized by Modern College Pune, 5 and ABEED from 5<sup>th</sup> December 2014 to 17<sup>th</sup> January 2015.
- Attended a symposium at St. Mira's College for Girls on "The Feminine Frontier" on 7<sup>th</sup> February 2015.

**Ms. Sangita Sarma :**

- Appointed as a co-ordinator of International Students' Cell of the College.
- Conducted Human Rights and Cyber Law lectures of all PG students.
- Organised International Students' Cultural Festival on 20<sup>th</sup> January 2015.
- Attended a food festival and cultural festival at Phoenix City organized by ICCR, Pune in Dec. 2014.
- Attended a symposium at St. Mira's College for Girls on "The Feminine Frontier" on 7<sup>th</sup> February 2015.
- Attended a Public Lecture on 'Modernism and Post Modernism' by Dr. Aniket Jaaware at St. Mira's College for Girls on 14<sup>th</sup> March 2015. Appointed as a Vice Chairman in Arts Circle of the College.

**Ms. Cicily Rose Anthony**

- Attended a symposium at St. Mira's College for Girls on "The Feminine Frontier" on 7<sup>th</sup> Feb. 2015.
- Awarded with "Alegaonkar Bandhu Smruti Suvarna Padak" and "Dr. S. Nagarajan Memorial Gold Medal" at the Convocation of SPPU for standing first in SPPU in the subject English.



## Department of Geography

1. **Name of the Department :** Department of GEOGRAPHY
2. **Year of Establishment :** 1970
3. **Names of programmes :** B.A. and M.A/M.Sc.
4. **Names of Interdisciplinary courses and the departments / units involved :**  
Environment Awareness Course for S.Y. class is conducted by Dept.
5. **Annual / semester / choice based credit system (programme wise) :** -

Faculty	Classes	Pattern
Arts	F.Y./S.Y./T.Y.	Annual 20 Marks Internal Assessment 80 Marks University Examination.
Science	F.Y./S.Y.	Semester Pattern 20 Marks Internal Assessment. 80 Marks University Examination.
P.G.	M.A / M.Sc.	Credit System

6. **Participation of the department in the courses offered by other departments :** - A Environmental Awareness' course for S.Y. Classes of all faculty introduced by Savitribai Phule Pune University.
7. **Courses in collaboration with other universities, industries, foreign institutions, etc. :** -
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+04	02+4 (on C.H.B.)

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. Smt. N. J. Kulkarni	M.A., M.A(Mar)., M.Phil., Ph.D	Associate Professor	Economic Geography	35	-
Dr. V. B. Kamble	M.A., M.Ed. Ph.D., SET	Associate Professor	Economic Geography	25	-
Prof. N. L. Wayal	M.A., NET	Assistant Professor	Economic Geography	09	-
Dr. A. E. Sonawane	M.A., B.Ed., SET, Ph.D.	Assistant Professor	Population Geography	06	-

11. List of senior visiting faculty : 1. Dr. S. W. Gaikwad 2. Dr. J. A. Jadhav
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) :
- U.G : 100 : 1 (For Theory Courses at General Level)
  - 24 : 1 (For Practical Courses)
  - P. G : 12 : 1
14. Number of academic support staff (technical) and administrative staff ; sanctioned and filled :

Sr.No.		Sanctioned	Filled
1.	Lab Assistant	01	01
2.	Lab. Attendant	01	01
3.	Peon	01	01

Administrative Services are provided by the Staff of College Office.

Separate faculty clerk is provided.

Library facilities are provided by central Library.



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

- Ph.D. : 03, P.G. : 01

Sr.No.	Name	Qualification
1.	Dr. Smt. N. J. Kulkarni	M.A., M.A.,(Mar.), M.Phil., Ph.D
2.	Dr. V. B. Kamble	M.A., M.Ed. Ph.D., SET
3.	Prof. N. L. Wayal	M.A., NET
4.	Dr. A. E. Sonawane	M.A., B.Ed., SET, M.A.,(His), Ph.D.

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

Prof. N. L. Wayal : Title - "Ground Water Management for Sustainable Agricultural Development : A case Study of Akole Tahsil District Ahmednagar, Western Maharashtra."

Total allocation amount for the project : Rs. 1,40,000/- by under UGC minor Research Project.

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

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

19. Publications :

• a) Publication per faculty : -

• Number of papers published in peer reviewed journals (national/international) by faculty and students :

**Dr. N. J. Kulkarni:**

1. A research paper on "Food Availability in Maharashtra" by Dr. N. J. Kulkarni was published in the International Journal – 'Earth Exploration'.

2. Research paper on "Population Problems in relation to Food Production in Maharashtra" by Dr. N. J. Kulkarni was published in the International Journal – 'Earth Exploration'.

3. A paper by Dr. N. J. Kulkarni and Prof. Yogesh Deshpande was selected for Poster Presentation in International Conference on "Business opportunities in life sciences" organized by Modern College of Arts Science and Commerce, Shivajinagar, Pune from 28<sup>th</sup> Jan to 30<sup>th</sup> Jan 2012.

• 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.): -

• Monographs: -

• Chapter in Books: -

• Books Edited : -

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

• Citation Index: -

• SNIP: -

• SJR: -

• Impact factor: -

• h-index: -

20. Areas of consultancy and income generated: -

21. Faculty as members in :

a) National Committees b) International Committees c) Editorial Boards.... : -

Sr.No.	Name	Membership at in
1.	Dr. Smt. N. J. Kulkarni	Life Member in i) Indian Institute of Geography ii) National Geographer Association India iii) Deccan Geographer iv) Maharashtra Bhoogol Shastra Parishad v) Member of Editorial Board of 'Earth Exploration', Research Journal July, 2011.
2.	Prof. N. L. Wayal	i) Maharashtra Bhoogol Shastra Parishad
3.	Dr. A. E. Sonawane	i) Maharashtra Bhoogol Shastra Parishad

22. Student Projects :

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

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

- Dr. V. C. Vaidya
- Dr. Praveen Saptarshi
- Dr. Abhay Deswandikar
- Dr. Ramhotra
- Dr. Y. S. Khan
- Dr. Mrs. P. S. Arkasali

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

- National: -
- International:-
- 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 papers were presented in the conference.



26. Student profile programme / course wise :

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass Percentage
			*M	*F	
B.A. 2014-15	364	262	136	126	87.50
M.A. 2014-15	18	14	9	5	93.75

\*M = Male \*F= Female

27. Diversity of Students

Name of the Course	Year	% of Students from the same state	% of Students From other states	% of Students From abroad
First Year to	2010-11	96%	4%	
Third Year B.A.,	2011-12	95%	95%	
B.Com., B.Sc.	2012-13	95%	95%	
	2013-14	96%	4%	
	2014-15	89%	8%	3%
M.A. / M.Sc.	2010-11	92%	8%	
	2011-12	92%	8%	
	2012-13	92%	8%	
	2013-14	92%	8%	
	2014-15	92%	8%	

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

- NET / SET Qualified Students : 09

29. Student progression :

Student progression	Against % enrolled
UG to PG	10%
PG to M.Phil.	-
PG to Ph.D.	1%
Ph.D to Post-Doctoral	
Employed ● Campus selection ● Other than campus recruitment	62%
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 available.
- Internet facilities for staff & students : Internet facility is available for staff and students with 10 Mbph internet connection and Wi-Fi facility.
- Class rooms with ICT facility
- Laboratories : 03

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

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

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

Experts : Shri. Amol Gaikwad

Prof. Sachin Thiswandkar

Prof. Ramesh Dhumal

Prof. Yusuf Shaikh

Shri. R. K, Kane

Prof. Tukaram Jadhav

- One day workshop on 'Application of GIS in Population and Settlement Planning and Management' on 05/02/2011.

33. Teaching methods adopted to improve student learning :

- Use of ICT
- Discussion Method
- Film show for certain topics

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

- Village Surveys are completed to find out Socio-economic characteristics and problems.
- Study Tours are arranged.



35. SWOC analysis of the department and future plans :

**Strengths :**

1. Devoted well qualified staff.
2. Encouragement of management
3. Enriched departmental and central Libraries.
4. Well equipped and upgraded laboratories.
5. Abundant educational aids for Geography teaching.
6. Liberal administrative policies by authority.

**Weakness :**

1. Students from diversified background – Social, Economic, Educational.
2. Students are weak in presentation and communication.
3. Rigid syllabus.
4. Less Period for teaching – learning.
5. Traditional evaluation method.

**Opportunities :**

1. Self employment generated course can be started like Travel and Tourism,
2. Soft skill development programmes for to improve overall development of the student.
3. English speaking course in collaboration with English Department.
4. Vasundhara Manch is the platform created to meet the satisfaction of the subject knowledge beyond framed syllabus.
5. Supportive management.
6. Flexible and favourable Policies of administration.

**Challenges :**

1. To improve overall personality of students.
2. To shape up the student be a good Citizen.
3. To develop the subject knowledge of the student.

**Geography Dept.**

**Activities :**

**Excursion Tours and Village Survey**

1. Village survey of Dive Agar (Tahsil Shriwardhan) was conducted by the department on 19th and 20th September 2014 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 3rd January 2015 a study tour was arranged for S.Y.B.Sc. Geography at Kihim (Dist.Raigad) accompanied by Prof. Wayal N.L., Dr. A.E. Sonawane and Prof. Rajashree Gadekar.
3. From 26th January to 4th February 2015 a study tour was arranged for S.Y.B.A. and T.Y.B.A. students at Kerala and Kanyakumari accompanied by Dr. Vilas B. Kamble and Shri. D.M. Raut.
4. On 20th February 2015 an excursion tour was arranged for S.Y.B.A. Geography at Nagaon (Dist.Raigad) accompanied by Dr. A.E. Sonawane, Prof. Rajashree Gadekar and Shri. G.B. Suryawanshi.
5. Geography day was celebrated on 14th January 2015. Quiz competition was arranged for students. It had a good response.
6. On 4th March 2015 an excursion tour was arranged for T.Y.B.A. students at Mahableshwar (Dist. Satara) accompanied by Dr.N.J. Kulkarni, Dr. Vilas B. Kamble and Shri. D.M. Raut.

7. "Vasundhara Photograph competition" was held in February 2015 for the students of geography.
8. Village survey of Nazare-Supe of Jejuri Circle (Tahsil Purandar ) was conducted by the department on 30th and 31st March 2015 and village survey report was prepared by students. All the members of the staff and post graduate students also participated in the village survey.



## Department of German

1. **Name of the department:** Department of German
2. **Year of Establishment :** 2009
3. **Names of Programmes / Courses offered :** (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)

Year	Courses Offered	Details
2010-11	U.G.	F.Y.B.A. - General
2011-12		S.Y.B.A. - General
2012-13		T.Y.B.A. -
2013-14		
2014-15	UG	F.Y.B.A. – Basic F.Y.B.A. – Advanced F.Y.B.Com - Basic S.Y.B.A. (General)

4. Names of Interdisciplinary courses and the departments/units involved
5. Annual/ semester/choice based credit system (programme wise)
6. Participation of the department in the courses offered by other departments
7. Courses in collaboration with other universities, industries, foreign institutions, etc.
8. Details of courses/programmes discontinued (if any) with reasons
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	Specilization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Sanjeevani Kuvalekar	M.A.	Asst. Professor	German	34 years	–
Shweta Gupte	M.A.	German Teacher (CHB)	German	1 year	–

11. List of senior visiting faculty (2014-15)

Name	Qualification	Designation	Specialization	No. of Years of Experience
Aboli Karandikar	M.A.	Asst. Teacher (CHB)	German	Three years
Sneha Mahajan	M.A.	Asst. Teacher (CHB)	German	Two years
Geetanjali Kanade	M.A.	Asst. Teacher (CHB)	German	Current academic year

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty (2014-15)

Course	Percentage of lectures delivered
11 <sup>th</sup>	-
12 <sup>th</sup>	-
F.Y.B.A Basic	90%
F.Y.B.A. Advanced	90%
F.Y.B.com	90%
S.Y.B.A. General	75%

13. Student -Teacher Ratio (programme wise) (2014-15)

Course	Student-Teacher Ratio
11 <sup>th</sup>	-
12 <sup>th</sup>	-
F.Y.B.A Basic	1 : 36
F.Y.B.A. Advanced	1 : 10
F.Y.B.com	1 : 30
S.Y.B.A. General	1 : 5

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

15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG. (2014-15)

Name	Qualification
Sanjeevani Kuwalekar	M.A.
Shweta Gupte	M.A.
Aboli Karandikar	M.A.
Sneha Mahajan	M.A.
Geetanjali Kanade	M.A.



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:
  - \* Co-ordinator & Author of 8th, 9th, 10th textbooks Sanjeevani Kuvalekar
  - \* a) Publication per faculty
  - \* Number of papers published in peer reviewed journals (national / international) by faculty and students
  - \* 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.)
  - \* Monographs
  - \* Chapter in Books
  - \* Books Edited
  - \* Books with ISBN/ISSN numbers with details of publishers
  - \* Citation Index
  - \* SNIP
  - \* SJR
  - \* Impact factor
  - \* h-index
20. Areas of consultancy and income generated
21. Faculty as members in  
Member of Centenary of German Teaching in India  
a) National committees b) International Committees c) Editorial Boards....
22. Student projects
  - a) Percentage of students who have done in-house projects including inter departmental/programme
  - 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
24. List of eminent academicians and scientists/ visitors to the department - Renate Hoffmann, Christoph Senft, Johannes Hoffmann, Victoria Winkelhofer
25. Seminars/ Conferences/Workshops organized & the source of funding
  - a) National - Miss. Media Conference
  - b) International
26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
2014-15	46	46	15	31	--

\*M=Male F=Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
11 <sup>th</sup>	80%		
12 <sup>th</sup>	85%		
F.Y.B.A. German Basic	80%	5%	10%
F.Y.B.A. German Advanced	100%	-	-
F.Y.B.com	90%		
S.Y.B.A. General	100%	-	-

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	NA
PG to M.Phil.	NA
PG to Ph.D.	NA
Ph.D. to Post-Doctoral	NA
Employed	
● Campus selection	
● Other than campus recruitment	
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

- Library
- Internet facilities for Staff & Students
- Class rooms with ICT facility:
- Laboratories: Language Lab

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

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts 2014-2015

- Lectures by German Experts for Students of Modern College, S.P. College and Ferguson College on the topic "German Culture". Experts : Renate Hoffmann, Victoria Winkelhofer
- 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 media.
34. Participation in Institutional Social Responsibility (ISR) and Extension activities
35. SWOC analysis of the department and Future plans

Strengths	Weaknesses	Opportunities	Threats
Interest of Students in learning German as a foreign language		Starting with German as a major subject at B.A. level	
Language Lab			
Infrastructural Facilities			
German Books			

## Dept. of German

### Departmental Activities

**Conference :** Miss Media "Depiction of Women in Literature and Media" It was organized on 21<sup>st</sup> August 2014 by the department of German for the students of bachelor and master degree in collaboration with Fergusson College. A glimpse at the present state of our society makes one aware of the need of handling many social issues within the academic framework itself, woman exploitation and gender inequality being one of them. Certain mishaps in our society in the recent times have made this issue very significant not only within India but also at a global level.. Hence, taking up this issue from an inter-cultural perspective gave meaningful insights through students' thought provoking presentations. Two German guest professors Mrs. Renate Hofmann (Heidelberg) and Mr. Johannes Hofmann (Cologne) were invited as a resource persons. The conference was successful due to brainstorming discussions on the sensitive issue of woman exploitation in literature and media.

### Lectures \_ On 14th August 2014

"Die Kulturation Deutschland " Speaker : Johannes Hofmann

On 20th August 2014 - Die Jugendkultur Speaker : Johannes Hofmann

On 12 November a lecture on "Landeskunde Österreich" by Victoria Winkelhofer

### Other Activities

- We conducted A1 and A2 certificate courses in German successfully under the 'Skill Development Training Workshops'. These Courses were open to all faculties. Its result is 99%. 22 students were benefitted by these courses and passed internationally recognized exams of Goethe Institute.
- Our students Simran Jeet and Shambhawi Nabar were selected for the German Youth Camp organized by PASCH in Sri Lanka in December 2014. They successfully completed German Language Course A2.
- Many of our students attended German Film Festival organized by PASCH in October 2014.
- On 24th December 2014 students celebrated 'Weihnachten' with full enthusiasm.
- Simran Mehta, S.Y.B.A. student received the First Prize in "Vertonung der Gedichte" at the interactive Sessions organised as a part of the German Day Celebration in S.P. College, Pune.
- Komal More (XI) Arts was selected for the youth camp in Germany in May 2015.

# 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.):  
**UG Level**
4. Names of Interdisciplinary courses and the departments/units involved : **NIL**
5. Annual/ semester/choice based credit system (programme wise) :  
**F.Y.B.A. to T.Y.B.A. and F.Y.B.com Annual System**
6. Participation of the department in the courses offered by other departments : **NIL**
7. Courses in collaboration with other universities, industries, foreign institutions, etc. **NIL**
8. Details of courses/programmes discontinued (if any) with reasons : **NIL**

9. Number of Teaching posts

	Sanctioned	Filled
Professors		
Associate Professors	01	01
Asst. Professors		
CHB Staff	01	01

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

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Sunita D Purohit	M.A. B. Ed	Associate Professor	Hindi Literature	36	NA
Ekanath Jadhav	M.A. B.Ed	Lecturer	Hindi Literature	01	NA

11. List of senior visiting faculty:

- Principal S.M Shah
- Dr. Kanti Lodhi
- Prof. Neela Mahadik
- Dr. Rajani Ranapise
- Dr. Neela Borwankar
- Dr. Shubhada Moghe
- Dr. Omprakash Sharma



12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty: **37.5%**

13. Student -Teacher Ratio (programme wise)

Class	Students	Teachers	Student-Teacher Ratio
F.Y.B.A Hindi General I	90-120 (avg)	01	105:1
S.Y.B.A Hindi General II	35-50 (avg)	01	40:1
T.Y.B.A Hindi General III	35-50 (avg)	01	40:1
S.Y.B.A Hindi Special I & II	10-12 (avg)	01	11:1
T.Y.B.A Hindi Special III & IV	10-12 (avg)	01	11:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled:  
01 Faculty Clerk working in centralized office.
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG: **01 (PG)**
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:
- a) Publication per faculty
  - State Level: Year 2012 by Prof. Sunita Purohit on 'Role of Tourism in regional development' organized by Geography Department, Modern College, Pune-5
  - International Level: 2013 by Prof. Sunita Purohit, New Arts, Commerce and Science College, Shevgaon, Pune Book – 'Cinema ka Saundaryashastra' ISBN No. 978-81-8111-297-2
  - National Level Seminar: 2014, Paper presented by Prof Sunita Purohit at Abasaheb Garware College, Pune on 'Yaksha ka Sandesh' in Harinarayan Vyas Seminar
  - International Conference: Year 2014 by Prof. Sunita Purohit 'A poster presentation on Hindi Kavya and Paryavaran'
  - Publications of papers in Rashtravani. ISSN no. 2319-6785
  - A publication of translation of Hindi story to Marathi in the magazine 'Uttam Anuvad' in 2013.
  - Number of papers published in peer reviewed journals (national / international) by faculty and students
  - 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.)
  - Monographs
  - Chapter in Books

- Books Edited
- Books with ISBN/ISSN numbers with details of publishers
- Citation Index
- SNIP
- SJR
- Impact factor
- h-index

20. Areas of consultancy and income generated : NA

21. Faculty as members in

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

Prof. Sunita Purohit is a member of Examination Board at St. Miraz College, Pune.

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

#### **STUDENTS**

- First prize for play and two prizes for best actor in a competition held by Maharashtra Rashtrabhasha Sabha, Pune. Prof Sunita Purohit won the first prize for direction.
- In the year 2014, we received a prize for acting at Maharashtra Rashtrabhasha Sabha, Pune. Prof. Sunita Purohit won the first prize for Writing the play.
- Miss Sujata Bhalerao a student from S.Y.B.A. got first prize in essay writing competition organized by Poona College in 2010.
- Sujata also received first prize in 2011 in essay competition organized by Modern College Ganeshkhind, Pune.
- Bhamnadev Shukla got a consolation prize in 2014 for essay competition organized by Modern College, Ganeshkhind, Pune.
- On 6<sup>th</sup> February 2008 Maharashtra Rashtrabhasha Sabha Pune had organized one act play competition in Hindi at which Modern college Shivajinagar, Pune-5 won first prize for play 'Parivartan'.
- Prajakta Wani a student from F.Y.B.A. class got best actor prize.
- Shrikant Gabale got first prize in mono-acting.
- In 19<sup>th</sup> January 2008 SP College, Pune Hindi Department had organized a poster competition in Hindi in which Hema Sutar from S.Y.B.A. won second prize while Shrikant Gabale won consolation prize.

#### **TEACHERS**

- Invited as a Chief guest at Dr. Babasaheb Ambedkar College, Pune –year 2004
- Invited as a Chief guest at Food corporation of India, celebration of Hindi Pakhawada – 2007
- Invited as Chief Guest in Pune Doordarshan Kendre, Prasarbharati, Pune, Celebration, of Hindi Pakhhawada.- 2009.
- Prof. Mrs. Sunita Purohit was awarded Second State level Prize in essay competition, of Rs 1000, in 2006, organized by A. G. Collage, Pune for Hindi Teachers
- Prof. Mrs. Sunita Purohit was awarded second prize in 'Natyawachan' competition organized by PE society, Pune.
- Awarded Best Teachers' award at Progressive Education Society for the year 2012-13



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

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

- Workshops for Grammar and Lecture Series. (2013-14, 2014-15)
- Handwritten Magazine (2013-14)
- Essay and Advertisement Writing Competition (2010-2014)
- Expert Lectures for students. (2010-2014)

a) National

b) International

26. Student profile programme/course wise: Average Ratio of Past Five years

Year 2014-15

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
F.Y.B.A Hindi	200	147	72	75	NA
S.Y.B.A Hindi	80	43	16	27	NA
T.Y.B.A Hindi	50	37	10	27	NA
F.Y.B.com Hindi	200	110	43	67	NA
S.Y.B.A Hindi Special I & II	12	08	02	06	NA
T.Y.B.A Hindi Special III & IV	12	11	01	10	NA

\*M=Male F=Female

Year 2013-14

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
F.Y.B.A Hindi	100	80	38	42	80
S.Y.B.A Hindi	80	43	16	27	88
T.Y.B.A Hindi	50	37	10	27	100
F.Y.B.com Hindi	200	120	55	65	80
S.Y.B.A Hindi Special I & II	12	08	02	06	100
T.Y.B.A Hindi Special III & IV	12	11	01	10	75

\*M=Male F=Female

Year 2012-13

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
F.Y.B.A Hindi	100	80	38	42	80
S.Y.B.A Hindi	80	43	16	27	75.75
T.Y.B.A Hindi	30	28	09	19	94.73
F.Y.B.com Hindi	200	120	55	65	80
S.Y.B.A Hindi Special I & II	12	08	02	06	50
T.Y.B.A Hindi Special III & IV	12	09	04	05	100

\*M=Male F=Female

Year 2011-12

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
F.Y.B.A Hindi	100	80	38	42	
S.Y.B.A Hindi	50	40	13	26	60
T.Y.B.A Hindi	50	40	13	27	100
F.Y.B.com Hindi	120	116	55	61	
S.Y.B.A Hindi Special I & II	03	03	01	02	60
T.Y.B.A Hindi Special III & IV	11	11	02	09	76

\*M=Male F=Female

Year 2010-11

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
F.Y.B.A Hindi	80	67	31	37	84.09
S.Y.B.A Hindi	40	35	09	26	92.50
T.Y.B.A Hindi	18	18	06	12	100
F.Y.B.com Hindi	150	148	69	79	
S.Y.B.A Hindi Special I & II	13	13	02	11	74.50
T.Y.B.A Hindi Special III & IV	03	03	01	02	75

\*M=Male F=Female



27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
F.Y.B.A Hindi	66	34	00
S.Y.B.A Hindi	66	34	00
T.Y.B.A Hindi	66	34	00
F.Y.B.com Hindi	50	50	00
S.Y.B.A Hindi Special I & II	90	10	00
T.Y.B.A Hindi Special III & IV	90	10	00

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	<b>50</b>
PG to M.Phil.	<b>05</b>
PG to Ph.D.	<b>NIL</b>
Ph.D. to Post-Doctoral	<b>NIL</b>
Employed	
● Campus selection	
● Other than campus recruitment	<b>05</b>
Entrepreneurship/Self-employment	<b>NIL</b>

30. Details of Infrastructural facilities

- Library: Centralized Library
- Internet facilities for Staff & Students : One Desktop and Internet Facility
- Class rooms with ICT facility: Available
- Laboratories: NIL.
- Wi-Fi Connectivity.

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

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

- **Workshops for Grammar and Lecture Series. (2013-14, 2014-15)**
- **Handwritten Magazine (2013-14)**
- **Essay and Advertisement Writing Competition (2010-2014)**
- **Expert Lectures for students. (2010-2014)**

33. Teaching methods adopted to improve student learning:

Lectures, Discussions in classes, Group Activities, Competitions like Essay Writing, Grammar Workshops, Seminars from Experts, and Activities like 'Multiple Words for One'

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

- Participation in inter-college 'Essay Competition.'
- Participation in One-Act Play organized by Maharashtra Rashtrabhasha Sabha

35. SWOC analysis of the department and Future plans:

**Strengths:**

- Well-equipped centralized library with approximately 1000-1200 reference and other books on Hindi
- Qualified Staff Members
- Internet and Desktop Facility
- Special Attention to every student

**Weaknesses**

- Attendance lags at times since many students are working.
- Problems with job opportunities for students.

**Opportunities**

- Encouragement for Research by the college management.
- Management provides a number of facilities like internet/Wi-Fi/desktop/permissions for workshops and seminars.

**Challenges**

- Low Merit Students are more in number
- Starting a PG centre.

**Dept. of Hindi:**

**Activities :**

- Essay Competition was organized for the students of FY BA and advertisement writing competition for FYBCom and SY BA students. Prizes were given on the occasion of Hindi Day
- A lecture was organized on 21st July 2014 of Prof. Parag Shah from Modern College Ganeshkhind on advertisement writing.
- The department celebrated Hindi Day on 19<sup>th</sup> September 2014. Dr. Omprakash Sharma was the chief guest and Dr. Nayana Kulkarni, Vice-principal of Arts Faculty was the chairperson on this occasion.
- The department introduced an innovative activity 'Shabdanuvesh' (Thesaurus). A white board was put up near the language department and every week teachers wrote new words for students to know their respective synonyms.
- A workshop on Hindi grammar was conducted by Dr. Neela Borwankar on 30th December 2014.
- Prof. S. B. Doiphode secured 1st class in the M.Ed. examination, YCMOU, Nasik.
- Prof. Mrs. Sunita Purohit was nominated on the board of studies of St. Mira's autonomous College for a period of five years (2015-2020)



## Department of History

1. Name of the department - Department of History
2. Year of Establishment - 1973
3. Names of Programs / Courses offered - UG
4. Names of Interdisciplinary courses and the departments / units involved- NIL
5. Annual / semester / choice based credit system (Programme wise) - Semester
6. Participation of the department in the courses offered by other departments- Lectures by members of the department:
7. Courses in collaboration with other universities, industries, foreign institutions, etc.- NIL
8. Details of courses / programs discontinued (if any) with reasons: No
9. Number of teaching posts:-

Posts	Sanctioned	Filled
Professors	0	0
Associate Professors	0	0
Asst. Professors	1	0

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. Rajesh Kulkarni	M.A. (History) M.A. (Communication), Ph.D.	Associate Professor	Traditional Knowledge	19	—
Dr. M.K. Admane	M.A.,(History) M.Phil.Ph.D.	Part time		19	—

11. List of senior visiting faculty - No
12. Percentage of lectures delivered and practical classes handled (program wise) by temporary faculty - No
13. Student – Teacher Ratio (program wise) – According to University Norms
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled- Administrative Staff

15. Qualification of teaching faculty with DSc / D.Litt / Ph.D / MPhil / PG-Ph.D.
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: Connected to some (2) research centers
19. Publications:
  - a) Publication per faculty 10 + 2
    - Number of papers published in peer reviewed journals (national / international) by faculty and students - 02
    - Number of publication listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc.) - Nil
    - Monographs – Monograph on New Companies Act, 2013. (Published in February, 2014)- Nil
    - Chapter in Books: NIL
    - Books Edited:
    - Books with ISBN/ ISSN numbers with details of publishers: 12
    - Citation Index: NIL
    - SNIP: NIL
    - SJR: NIL
    - Impact factor: NIL
    - h-index: NIL
20. Areas of consultancy and income generated:
21. Faculty as members in
  - a) National committees
  - b) International Committees :
  - c) Editorial Boards
22. Student Projects – students on their own internet created 2 projects
  - a) Percentage of student who have done in-house projects including inter departmental/ program -
  - b) Percentage of students placed for projects in organizations outside the inside i.e. in Research laboratories/ Industry/ other agencies
23. Awards / Recognitions received by faculty and students –
24. List of eminent academicians and scientists / visitors to the department –
25. Seminars/ Conferences / Workshops organized & the source of funding
  - a) State:
  - b) National :
  - c) International :

Contributed in college committees for the case.



26. Students profile program / course wise:

Name of the Course/programme B.A.	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
2014-15	364	254	144	110	100%

\*M = Male \*F = Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
UG	All	0	0
2014-15	94.1	1.24	4.66

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

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. Reference books, text books, special references, news papers
- Internet facilities for staff & Students - Yes
- Class room with ICT facility – Yes
- Laboratories – N.A.

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

**GOVERNMENT SCHOLARSHIP & FREESHIP (GRANT) 2013-14**

Sc	CLASS	SCHOLARSHIP	FREESHIP	TOTAL
	B.A.			
	M.A.			
OBC	CLASS	SCHOLARSHIP	FREESHIP	TOTAL
	B.A.			
	M.A.			
SBC	CLASS	SCHOLARSHIP	FREESHIP	TOTAL
	B.A.			
	M.A.			
NT	CLASS	SCHOLARSHIP	FREESHIP	TOTAL
	B.A.			
	M.A.			
ST	CLASS	SCHOLARSHIP	FREESHIP	TOTAL
	B.A.			
	M.A.			

**GRANT**

Pune Vidyapeet Gunwant Shishyavrutti Yojana	B.A.	M.A.	B.Com.1	S.Y.B.Sc.
Pune Vidyapeet Gunwant Shishyavrutti Yojana				
Pune Vidyapeet Arthik Durbal Ghatak Shishyavrutti Yojana				
Gov. EBC				
Eklavya Yojana				

- Details on student enrichment programmes (special lectures / workshops / seminar) with external experts – Guest lectures, Seminars, Soft Skills Development Workshop.
- Teaching methods adopted to improve student learning – Use of ITC in few classroom., Visits.
- Participation in Institutional Social Responsibility (ISR) and Extension activities – Through NCC and NSS, Vidyarthini Manch



35. SWOC analysis of the department and future plans :

**Strengths :**

- Collection of traditional knowledge ( books, scripts etc)
- Support from management and college level
- Innovative creation
- Authored books
- Extension script works
- Linkage with sadhanalaya ( like tilak tank)

**Weaknesses :**

- NIL

**Opportunities:**

**Future plans :**

- Museum plan
- Courses on governance and leadership, right to information act.

**Humanitarian Activities :**

- Clean India - Clean Mind - Clean Life Campaign In various occasions Promoted this campaign by posters / Services / Signature Campaigns / Awareness among Students, PMC officers & Citizens.
- For Orphans- Rajesh Kulkarni, (Head of the department) Donated Books, Cloths and School Amenities to orphan of a poor family.
- For Poor - Helped a poor family for life hood by giving financial support.
- For Women Enrichment Supported 9 women by giving Crafts and Garments for Sale.
- Ganesh Festival Organized posters & volunteers for safety of people / Pilgrims in Lord Ganesh Festival. Date : 1 to 10 Sept. 2014.

## Department of Marathi

1. Name of the department – Marathi
2. Year of Establishment - 1970
3. Names of Programs / Courses offered - UG, PG, M.Phil., Ph. D. - Marathi
  1. B.A.
  2. M.A.
  3. Ph.D.
  4. Diploma in Translation
4. Names of Interdisciplinary courses and the departments / units involved-  
English - Marathi Translation Course
5. Annual / semester / choice based credit system (Programme wise)-
  1. B.A. - Semester
  2. M.A.- Choice based credit syste
  3. Ph.D.
  4. Diploma in Translation- Annual
6. Participation of the department in the courses offered by other departments- Lectures by members of the department:
  - Lectures for F.Y.B.Com. (Functional Marathi)
  - Lectures for S.Y. B.Sc. (Script writing)
7. Courses in collaboration with other universities, industries, foreign institutions, etc.-  
- Proof Reading Course with Snehavardhan Prakashan, Pune.
8. Details of courses / programs discontinued (if any) with reasons: No
9. Number of teaching posts:-

Posts	Sanctioned	Filled
Professors	0	0
Associate Professors	1	1
Asst. Professors	3	3

- One Part time Professor



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

Name	Qualification	Designation	Specialization	Experience in years	No. of Ph.D. Students are working Under guidance for the last 4 years
Dr. Snehal Tawre	M.A., Ph.D.	Associate Professor	Modern-Ancient Marathi Literature, Linguistics	34	6 and One Foreign Student (Open University, Mauritius)
Mrs. Nisha Bhandare	M.A., Net, M.Phil.	Asst. Professor	Modern Marathi Literature, Novel	20	—
Dr. Madhura Koranne	M.A., Ph.D.	Asst. Professor	Modern Marathi Literature, Drama	18	—
Dr. Vijayantimala Jadhav	M.A., SET, NET, Ph.D.	Asst. Professor	Modern Marathi Literature, Poetry	8	—
Dr. Gajanan R. Apine	M.A., NET, M.Phil., Ph.D.	Asst. Professor	Modern Marathi Literature, Novel	7	—

11. List of senior visiting faculty - No

12. Percentage of lectures delivered and practical classes handled (program wise) by temporary faculty- No

13. Student – Teacher Ratio (program wise) -

1. F. Y. B. A. - 120 : 1
2. M. A. - 60 : 1
3. F. Y. B. Com. - 120 : 1
4. S. Y. B.Sc. - 120 : 1

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

1. Sr. Clerk - 2
2. Assistant Jr. Clerk - 1
3. Library Assistant - 1

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

Name	Qualification
Dr. Snehal Tawre	M.A., Ph.D., Diploma in Sanskrit
Mrs. Nisha Bhandare	M.A., NET, M.Phil.
Dr. Madhura Koranne	M.A., Ph.D.
Dr. Vijayantimala Jadhav	M.A., SET, NET, Ph.D.
Dr. Gajanan R. Apine	M.A., NET, M.Phil., Ph.D.

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: - Research Centre in Marathi

19. Publications:

a) Publication per faculty

**Dr. Snehal Tawre -**

1. Khishyatil Shuddha Shabdakosh- 2010
2. Vyavaharik Marathi (Ed.)- 2011
3. Prasarmadyame aani Marathi Bhasha (CO.-Author) - 2012
4. Dyaneswari va Visave Shatak (Ed.) - 2012
5. Ram-Setu (Ed.) - 2012
6. Maitravel (Co. Author) - 2012
7. Aathavanitil Shantabai ( Co. Author) - 2012
8. Paribhashik Sadnya Kosh - 2013
9. Dr. V. M. Bachal Gaurav Granth (Co.Author) - 2014
10. Majhi Aai (Ed.) - 2014
11. Matrupanchak (Ed.) - 2013
12. Vidnyansrushti (Ed.) - 2014
13. Jeevanvedh (Ed.) - 2014
14. Majhi Jadanghadan (Ed.) - 2014
15. Bharatiya Santanche Yogdan (Ed.) - 2015

**Dr. Madhura Koranne**

1. Marathi Natak aani Doctor Pratima - 2012
2. Yekapatri Prayog andi Kalarup - 2012
3. Natyagandh - 2013

**Dr. Vijayantimala Jadhav**

1. Majhi Aai - 2014
2. Arun Kolatakaranchi Kavita - 2015

**Dr. Gajanan Apine**

1. Namushkiche Swagant Vishayi (edited)

• Number of papers published in peer reviewed journals (national / international) by faculty and students

1. Dr. Snehal Tawre - National - 5, International- 4
2. Dr. Madhura Koranne - National - 3, International - -
3. Dr. Vijayantimala Jadhav - National - 6, International - 2
4. Dr. Gajanan R. Apine - National - 6, International- -

• Number of publication listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc.) - Nil

• Monographs – Monograph on New Companies Act, 2013. (Published in February, 2014)- Nil

• Chapter in Books: NIL

1. Dr. Snehal Tawre - 7
2. Mrs. Nisha Bhandare - -
3. Dr. Madhura Koranne - 1



4. Dr. Vaijayantimala Jadhav - 1
5. Dr. G. R. Apine - 1
- Books Edited:
  1. Dr. Snehal Tawre - 9
  2. Mrs. Nisha Bhandare - -
  3. Dr. Madhura Koranne - -
  4. Dr. Vaijayantimala Jadhav - -
  5. Dr. G. R. Apine - 1
- Books with ISBN/ ISSN numbers with details of publishers:
  1. Snehavardhan Prakashan, Pune.
  2. Yasawant Publication, Nashik.
- Citation Index: NIL
- SNIP: NIL
- SJR: NIL
- Impact factor: NIL
- h-index: NIL
20. Areas of consultancy and income generated:
  1. Area's of Consultancy for Publication
  2. Income - Nil
21. Faculty as members in
  - a) National committees
  - b) International Committees : External Guide - Open University fo Mauritius
  - c) Editorial Boards : Snehavardhan Prakashan, Pune
22. Student Projects –
  1. Modern Litearture
  2. Linguistics
  3. Cultural Study
  4. Author Study
    - a) Percentage of student who have done in-house projects including inter departmental/ program - 23 out of 28 students - 82%
    - b) Percentage of students placed for projects in organizations outside the inside i.e. in Research laboratories/ Industry/ other agencies
23. Awards / Recognitions received by faculty and students-
  1. Dr. Snehal Tawre got Best Teacher award by Dr. D.T. Bhosale Social foundation, Pandharpur, 2011.
  2. Dr. Snehal Tawre, Dr. Madhura Koranne, Vandana Joshi got Best performance awards in education by Progressive Education Society, Pune. 2011
24. List of eminent academicians and scientists / visitors to the department –
 

**2010-11**  
Mr. Ashok Kotawal

**2011-12**  
Mrs. Nalini Spiraling, Germany  
Dr. P. C. Shejawalkar

Satish Alekar  
Kedar Bhagwat  
Pramod Rande  
Swati Patankar  
Pratibha Modak  
Dr. Raja Okharapurkar  
Dr. Vidhyagouri Tilak  
Dr. Madhavi Vaidhya  
Anat Bhawe  
Kamlesh Chandediya  
Lalan Sarang  
Dr. Ashok Chasakar  
Vishwas Mehandale

**2012-13**

Dr. D. T. Bhosale  
Dr. Leela Govilkar  
Dr. Mangala Godabole  
Vishwas Mehandale  
Chandras Mirasdar  
Dr. N. M. Jhoshi  
Dr. Veenita Aapate  
Makarand Tillu  
Dr. Sanjay Kaptan  
Pratibha Modak  
Bhushan Katarak  
Dr. Kakasaheb Mohite  
Dr. Ashok Shinde  
Lalan Sarang  
Maruti Yadav

**2013-14**

F. M. Shinde  
Dr. Nagnath Kottapalle  
Uttam Kambale  
Dr. P. L. Gawade

**2014-15**

Swati Mhalank,  
Bidan Aaba  
Dr. Leela Vedpathak

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

**a) State:**

1. Organized two days seminar on "Druk-Shravy Mahitipatanchi Nirmutiprakriya" on 5th-6th March 2012. The source of funding- S.P.P.U.
2. Organized two days seminar on "Marathi Vinodi Katha: Swarup aani Sadarikaran" on 4th-5th Feb. 2013. The source of funding- S.P.P.U.



3. Organized One day Seminar on “ Majhi Jadanghadan” on 26th Feb. 2014.- The source of funding- S.P.P.U.

b) **National** : NIL

c) **International** :

1. Two days International seminar on “ Bharatiy Santanche Yogadan” on 8th-9th Jan. 2015. Organized by Mahatma Gandhi Institute, Marathi Speaking Union, Mauritius and Snehavardhan Research Institute, Pune.

26. Students profile program / course wise:

Name of the Course/programme	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
<b>U.G.</b> 2014-15	364	203	124	79	100
<b>P.G.</b> 2014-15	59	37	17	20	100

\*M = Male \*F = Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.A.	97.22	2.28	Nil
M.A.	100	Nil	Nil

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. 1- Sonali Peth

2 - Civil Services - Sheetal Wankhade

29. Student progression

Student progression	Against % enrolled
UG to PG	70%
PG to M.Phil.	10%
PG to Ph.D.	10%
Ph.D. to post –Doctoral	1%
<b>Employed</b> - Campus selection - Other than campus recruitment	Not applicable
Entrepreneurship / Self-Employment	—

30. Details of infrastructural facilities

- Library - Yes
- Internet facilities for staff & Students - Yes
- Class room with ICT facility – Yes
- Laboratories - Yes

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

**GOVERNMENT SCHOLARSHIP & FREESHIP (GRANT) 2013-14**

Sc	CLASS	SCHOLARSHIP	FREESHIP	TOTAL
	B.A. M.A.	—	—	—
OBC	CLASS	SCHOLARSHIP	FREESHIP	TOTAL
	B.A. M.A.	—	—	—
SBC	CLASS	SCHOLARSHIP	FREESHIP	TOTAL
	B.A. M.A.	—	—	—
NT	CLASS	SCHOLARSHIP	FREESHIP	TOTAL
	B.A. M.A.	—	4	4
ST	CLASS	SCHOLARSHIP	FREESHIP	TOTAL
	B.A. M.A.	—	—	—



### GRANT

Pune Vidyapeet Gunwant Shishyavrutti Yojana	B.A.	M.A.	B.Com.1	S.Y.B.Sc.
Pune Vidyapeet Gunwant Shishyavrutti Yojana				
Pune Vidyapeet Arthik Durbal Ghatak Shishyavrutti Yojana				
Gov. EBC				
Eklavya Yojana				

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

We arranged soft skill development programme.

#### 2010-11

1. Organized a lecture by Mr. Ashok Kotwal on 4th Jan. 2011 on "Prarthanechi Ghanta."

#### 2011-12

1. Organised a lecture by Nalini Spiraling on 17th Dec. 2011 on " Germany aani Bharat Yanchyatil Shaikshanik Prawas."
2. Organised two days Seminar on "Druk-Shravy Mahitipatanchi Nirmaitiprakriya" on 5th-6th March 2012.

Mrs. Nalini Spiraling, Germany

Dr. P. C. Shejawalkar

Satish Alekar

Kedar Bhagwat

Pramod Rande

Swati Patankar

Pratibha Modak

Dr. Raja Okharapurkar

Dr. Vidhyagouri Tilak

Dr. Madhavi Vaidhya

Anat Bhawe

Kamlesh Changediya

Lalan Sarang

Dr. Ashok Chasakar

Vishwas Mehandale

3. Organized Diploma in Translation Course.

#### 2012-13

Organized two days seminar on "Marathi Vinodi Katha : Swarup aani Sadarikarn" on 4th-5th Feb. 2013.

Dr. D.T. Bhosale

Dr. Leela Govilkar

Dr. Mangala Godabole

Vishwas Mehendale

Chandras Mirasdar

Dr. N. M. Jhoshi

Dr. Veenita Aapate

Makarand Tillu

Dr. Sanjay Kaptan

Pratibha Modak

Bhushan Katar

Dr. Kakasaheb Mohite

Dr. Ashok Shinde

Lalan Sarang

Maruti Yadav

#### 2013-14

1. Organized a lecture by D.T. Bhosale on 12th Sep. 2013 on 'Vinodi Katha.'
2. Organized One day seminar on 'Majhi Jadanghadan' on 26th Feb. 2014.
3. Organized Hand-writing competition on 'Marathi Bhasha Din' on 27th Feb. 2014.

F. M. Shinde

Dr. Nagnath Kottapalle

Uttam Kambale

Dr. P. L. Gawade

#### 2014-15

Smt. Swati Mhalank

Dr. Leela Vedpathak

4. Organized Orator Competition by Department. Following subject were there  
1. Aapali Utsavpriyata 2. Dhwanipradushan 3. Yek Peth Yek Ganpati 4. Udhog Vyavsay aani Utsavpriyata.

#### 2014-15

1. The Translation Course that started since 2011-12 has consistently and successfully been run by our department. And this will continued in current year too.
33. Teaching methods adopted to improve student learning – Use of ITC in few classroom.
34. Participation in Institutional Social Responsibility (ISR) and Extension activities – Through NCC and NSS, Vidyarthini Manch
35. SWOC analysis of the department and future plans :

#### Strengths:

- Well qualified staff: out of 5, four staff members are Ph.D.
- Department members have PG recognition: 1. Dr. Snehal Tawre 2. Dr. Madhura Koranne 3. Mrs. Nisha Bhandare 4. Dr. Vajayantimala Jadhav
- Staff members registered for Ph.D. : One Staff
- Many Professors has written text-books and references books. Some of them prescribed by S. P. Pune University and other University's also.



- Published many research articles on various research journals.
- Study Tour - All India Radio, Deccan Collage and Museum, Dehu, Alandi etc.

#### **Weaknesses:**

- Student, teacher ratio
- Few students having part/ full time job

#### **Opportunities:**

- More research oriented projects
- More use of digital classroom, virtual classroom
- More exposure to project experience
- Marathi Department is organised translation course this year. Marathi Department arranged handwriting competition on the 'Marathi Rajbhasha Divas' (28th Feb. 2015)
- Department arranged essay writing competition.

## Department of Politics

- 1) Name of the department- Dept. of Political Science
- 2) Year Of Establishment- 1970
- 3) Name of Programme / Courses Offered- B.A. (Political Science)
- 4) Names of Interdisciplinary courses and the departments/units involved- Nil
- 5) Annual/ semester/ choice based credit system (programme wise)- Annual B.A. course/semester
- 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) Number of teaching posts

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

- 9) Faculty profile with name, qualification, designation, specialization (D.sc. /D.lit/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
Khokle D. L.	M.A. M.Phil	Asst. Professor		19 Years	-
Shrimangale Vishnu	M.A. M.Phil	Asst. Professor		04 Years	-
Phasate Vijay	M.A.	Asst. Professor		01 Years	-

- 10) Percentage of lectures delivered and practical classes handled (Programme wise) by temporary

Name of the Faculty	% Of Lectures Delivered
Shrimangale Vishnu	-
Phasate Vijay	-

- 11) Student – Teacher Ratio (programme wise) – University Pattern
- 12) Number of academic support staff (technical) and administrative staff- One Faculty Clerk (Main office)
- 13) Number of faculty with ongoing projects – Nil



14) Department projects funded by DST-FIST; UGC, DBT, ICSSR, etc.- Nil

15) Research Centre / Facility recognized by the University- Nil

16) Publications-

17) Areas of consultancy and income generated- Local Committee

18) Students Projects-

19) Awards/ Recognitions received by faculty and students-

20) List of eminent academicians and scientists / visitors to the department-

21) Seminars/ Conference / Workshops organized & source of funding-

A) National

B) International

22) Student profile programme / course wise:

Name of the programme/Course B.A. (Political Science)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
2014-15	364	28.7	165	122	90.19

\*M= Male \*F= Female

23) Diversity of Students at the college level-

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.A. 2014-15	94	1.24	4.66

24) Number of students who have cleared national and state competitive examination-

25) Details of infrastructural facilities

A) Library

B) Internet facilities for staff & students

C) Class rooms with ICT facility

26) Number of students receiving financial assistance from college, university, government or other agencies-

27) Details of student enrichment programmes (special lectures / workshops / seminars) with external experts

28) SWOC analysis of the department and future plans-

- A) Weaknesses- The department of Political Science requires infrastructural facilities to improve its output. Lack of space and ICT facilities has become department's major weakness.
- B) **Future Plans-** with changes in the world and national politics and complexities in it, the department of Political Science strive to make this discipline easier for students.

In the academic year 2014-15 second year Arts Politics new curriculum is being started.

Prof. Khotik D. L., Prof. Vijay Phasate, attended the workshop on study restructure of third year Arts Politics, which was held at S.M. Joshi Mahavidyalaya, Hadapsar, Pune



## 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.) - UG, PG.
4. **Names of Interdisciplinary courses and the departments/units involved-** NA
5. **Annual/semester/choice based credit system (programme wise)-**UG-Annual, PG- choice based credit system
6. **Participation of the department in the courses offered by other departments-**faculty teaches, in skill development courses for P.G. like Personality development and bargaining skills.
7. **Courses in collaboration with other universities, industries, foreign institutions, etc. -**Nil,  
However, Department conducts skill development training workshops on Graphology, Flower remedy, HIV AIDS counseling Diagnostic testing and Research Methodology by inviting experts from Hospitals and other institutions.
8. **Details of courses / programmes discontinued (if any) with reasons-**NA
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	No. of Years of Experience	No. of Ph.D. Students is
Dr. Amruta Oke	M.A., M.Phil, Ph.D	Associate Professor	Clinical Psychology	32 yrs.	-
Smt. Vijaya Jagtap	M.A., M.Ed.	Assistant Professor	Clinical Psychology	15 yrs.	-
Smt. Smita Vaidya	M.A., SET	Assistant Professor	Clinical Psychology	13 yrs.	-
Mrs. Shradha Sakatkar	M.A., SET, B .Ed.	Assistant Professor	Counseling Psychology	07 yrs.	-
Mr. Sairaj Patki	M.A., SET	Assistant Professor	Clinical Psychology	03 yrs.	-
Ms Apeksh Gawade	M.A.	Assistant Professor	Counseling Psychology	03 yrs	-
Smt. Sumedha Chandekar	M.A., NET	Assistant Professor	Counseling Psychology	02 yrs Psychology	-

11. **List of senior visiting faculty** -1) Dr. Ujjwal Nene, 2) Dr. Vaishali Mardhekar

12. **Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty-**  
UG- 0%

PG-0%

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

	F. Y	S. Y.	T. Y.	M. A. I	M. A. II
Special	-	35:4	35:4	48:4	48:4
Practical	-	-	12:1	8:1	8:1
General	240:2	50:2	50:2	-	-

14. **Number of academic support staff (technical) and administrative staff; sanctioned and filled-**  
Two Lab Assistants and two lab attendants.

15. **Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil / PG. (Ref-Ans.No-10)**

Name	Qualification
Dr. Amruta Oke	M.A., M. Phil, Ph.D
Smt. Vijaya Jagtap	M.A., M.Ed.
Smt. Smita Vaidya	M.A., SET
Mrs. Shradha Sakatkar	M.A., SET, B .Ed.
Mr. Sairaj Patki	M.A., SET
Ms Apeksh Gawade	M.A.
Smt. Sumedha Chandekar	M.A., NET

16. **Number of faculty with ongoing projects from a) National b) International funding agencies and grants received-** Nil However one senior faculty has prepared the proposal on "EQ Development of school children" which she will be submitting to ICSSR for funding in July 2015

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

18. **Research Centre /facility recognized by the University** - Dr. Amruta Oke is a recognized guide for M Phil course of SPPU.



19. Publications:

a) Publication per faculty

Name	No. of Publications
Dr. Amruta Oke	3
Smt. Vijaya Jagtap	1
Smt. Smita Vaidya	3
Mrs. Shradha Sakatkar	3
Mr. Sairaj Patki	7
Dr. Vaishali Mardhekar	5

- Number of papers published in peer reviewed journals (national / International) by faculty and students  
Dr. Vaishali Mardhekar – 01  
Mr. Sairaj M. Patki - 01
- 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.)- Nil
- Monographs- Nil
- Chapter in Books
- Books Edited- Nil
- Books with ISBN/ISSN numbers with details of publishers Dr. Amruta Oke has 2 books with ISBN nos. 1) Manasshastra co-author 2010 Dorling Kindersley (India) Pvt. Ltd. ISBN-979-81-317-2117-9  
2) Manasshastra- Vartanche shastra (2015) Dorling Kindersley (India) Pvt, Ltd. ISBN- 987-93-325 1936-7

Citation Index -

- SNIP - Nil
- SJR - Nil
- Impact factor -
- h-index -

20. Areas of consultancy and income generated-

Psychological Counseling non-remunerative

Aptitude Testing Career Counselling

21. Faculty as members in

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

Dr. Amruta Oke is a member of a editorial board of a national level journal Manas shastra Patrika with ISSN- 2394-4730.

Dr. Amruta Oke is a joint secretary of Indian Association of Human Behavior.

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-0%

Note: Guidance is given by in house faculty but for field work and data collection, 100% students are placed outside.

23. Awards / Recognitions received by faculty and student

- 1) Dr. S. K. Rahane - Best teacher award of P.E. Society,
- 2) Miss. Gayatri Vartak - got membership of British Psychological association,
- 3) Mr. Hrishikesh Khilare got Samarth Gaurav Puraskar for Social Work at Melghat.

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

- 1) Dr. C. G. Deshpande 2) Dr. P. H. Lodhi 3) Dr. B. R. Shejwal 4) Dr. P.A. Bhagwatwar 5) Dr. Medha Kumthekar 6) Dr. S. W. Deshpande 7) Dr. Usha Ram 8) Dr. H.K. Narke 9) Dr. P. Rasal 10) Dr. V. F. Desale

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

- a) National-Nil
- b) International-nil

26. Student profile programme /course wise:

**M.A. (Psychology):**

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
2009-10					
2010-11	107	48	8	40	89
2011-12	64	48	12	36	100
2012-13	80	45	5	40	91
2013-14	80	42	12	30	100

\*M = Male \*F = Female

27. Diversity of Students (U.G & P.G.)

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
2009-10			
2010-11	87.5	0	12.5
2011-12	95.46	0	4.5
2012-13	100	0	0
2013-14	96.87	0	3.1
2014-15	94.87	5.1	0



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

29. Student progression

Student progression	Against % enrolled
UG to PG	31
PG to M.Phil.	Nil
PG to Ph.D.	4.8%
Ph.D. to Post-Doctoral	-Nil
<b>Employed</b>	
• Campus selection	25%
• Other than campus recruitment	65%
Entrepreneurship/Self-employment	10%

30. Details of Infrastructural facilities

a. Library

- Ratio of library books to students enrolled – 251:71
- Cost of books available in the library for the subjects - Rs. 2,36,080.70/-
- Average number of books added during last 3 years – 13 (2011-2013)
- Manuscripts: facility available under non-teaching staff and teacher's supervision
- Reference books: facility available under non-teaching staff and teacher's supervision
- Download: facility available under teacher's supervision
- Reading list, Bibliography: available
- 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. IT INFRASTRUCTURE

- Computer-student ratio: 5:71
- 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 wifi. Two desktops and one laptop are available for use by post-graduate students under the supervision of staff members for statistical analyses, typing work, and accessing online resources.

c. Classrooms with ICT facility

- 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 11 educational CDs that are useful in better understanding of subject matter and in making the lectures more interesting for students.
- 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. Laboratory

- 8 cubicles for conducting practices

31. Number of students receiving financial assistance from college, university, government or other agencies
32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts

Sr. No.	Activity
1	Placements
2	Quiz Competitions HPT Nasik, Wadia College, Modern College
6	Seminars-1. SPP 2. EMMRC Social Psy 3. Nagar-Sarada college(Psychotherapies)4. Biopsychological health Shirur-State Level
7	Guest lectures 1. Suicide - Dr. C.G. Deshpande, Dr. Ulhas Luktuke, Dr. Medha Kumthekar2. Psychological Research - Dr. Vaishali Mardhekar 3. NEO-PI - Dr.Savita Deo 4. Psychology testing application - DR. Sucharita Gadre 5. Neurocognitive Science - Dr. Awasthi
8	Workshops <b>Pre marital counseling workshop</b> – Mrs. Haldankar <b>HIV –AIDS Workshop</b> – Dr. Ujjwal Nene <b>Dignostic Psychological Assesment</b> - Dr. Ujjwal Nene <b>Dance Therapy</b> - Mr. Tonmoy Halder Rorschach Administration - Dr. Ujjwal Nene <b>Geriatric Counseling</b> - Mrs. Vanita Jadhav <b>School Counseling</b> - Mr. Pawan Gaikwad <b>Soft Skills</b> - Smita Dongare & Anuja Kolhatkar <b>Career Counseling</b> - Dr. Shreeram Geet <b>Yoga Therapy</b> - Mr. Shankar Khedkar <b>Drug Addiction &amp; Rehabilitation</b> - Mr. Indrajeet Deshmukh
9	Study visits 1. Prasana Autism centre 2. Christian Counseling Centre, Vellore3. Sumpark Balgram 4. Muktagan 5. Schizophrenia Awareness Association (SAA) 6. Ratnagiri, Mental Hospital 7. Kavalyadham & Manshakt 8: Delhi, Hypnotherapy-National seminar-JNU 9. Kripa Foundation, Pune Drug De-addiction Centre
13	Other Activities and ProgramsCounseling campPragatee Foundation Group Testing & Career Awareness programEarnst and Young Foundation Career Awareness program in Corporation schools

33. Teaching methods adopted to improve student learning - Study visits, presentations, film show Remedial Teaching
34. Participation in Institutional Social Responsibility (ISR) and Extension activities

Sr.No.	Institutional Social Responsibility (ISR) Activities
1.	Counseling Service( <i>Free counseling service provided throughout the year, to stake holders, special cases identified during counseling camp, and cases requiring further sessions</i> )
2.	Counseling Camp( <i>Free counseling service provided on week every year since 2008</i> )
3.	Aptitude Testing & Career Counseling( <i>Free computer-based aptitude testing followed by career counseling by experts provided throughout the year since 2011</i> )
4.	Pragati Foundation Group Testing & Career Awareness (M.A.-II students of the department provide psychological testing services and career awareness to children of brick-kiln laborers (2012, 2013))



Sr. No.	Extension activities
1.	Guest lecture on Suicide- C. G. Deshpande Vilas Luktuke Kumthekar Ma'am (27/01/10)
2.	Visit to Prasanna Autism centre(27/07/11)
3.	Visit to Schizophrenia Awareness Association (SAA) (20/07/11)
4.	HIV – AIDS Awareness Workshops (Each year)
5.	Guest Lecture by Paramheet members (12/08/12)
6.	Study visit to Muktangan (17/02/12)
7.	Study Tour - Sumpark Balgram (24/08/13)
8.	Study Visit to Kripa Foundation Drug De-addiction Centre (03/09/13)

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

#### S - Strengths

1. Competent, dynamic, and approachable faculty members
2. Internet-enabled department
3. Ample co-curricular activities with emphasis on practical skills and applications of theoretical concepts not covered in syllabus

#### W - Weaknesses

1. Students admitted having average marks and lower socio-economic background.

#### O - Opportunity

1. Active participation in syllabus revision of SPPU.
2. Placements
3. Hi-Tech facilities
4. Staff is encouraged and sponsored to participate in seminars and workshops.

#### C - Challenges

1. Mentoring underperformers, students having average marks, students from diverse backgrounds, students from lower socio-economic background, etc.

### Psychology Dept.:

#### Activities :

**Teachers Day Celebration-** Cultural Program was arranged by students to express their respect and gratitude towards teachers.

- **Film Show-** 'Psych Film Fest' was organized by the Undergraduate students and films like "Kadachit", "Anjali" & "Provoked" were screened.

- **Presentations** by Under-graduate students presentations were done by the SYBA and TYBA students on various topics assigned to them.
- **Study Visit-** PG students- visit to Mukhtangan De-addiction and Rehabilitation Centre, Pune and UG students- study visit to Yoga Institute Kaivalyadham, Lonavala.

**Excellent placements** - most of our post graduate students are placed in various renowned Institutions like Morris Trust Foundation, Ace Academy, etc to name a few. \_

**Result Analysis** - In the academic year 2014- 15, the success rate of T.Y.B.A. students was 94 % and that for M.A. was 100%. \_ Various are always organized by the Department to help students gain extra knowledge. Various workshops and lectures were arranged, this year too. The details of the same are as follows:

- 1 Mind Power - Mr. Sandeep Gaikwad
- 2 Career Guidance in Psychology - Maithili Pendse
- 3 One-Day Workshop - Pre-marital Counseling, Dr. Manasi Rajhans
- 4 One-Day Workshop-Conflicting Thought Analysis, Dr. C G. Deshpande

- **Highlights of the Department:** Workshop on 'Emotional Development of Students' was arranged for Headmasters and Teachers of various schools. Dr. Sandeep Kelkar was invited as a Resource person. **Certificate**

- **Courses-** 1) Flower Remedy - 10 Days, Dr. Anjali Thombre 2) Graphology - 10 Days, Dr. Sanjeevani Rahane



# 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 and M.Phil. Biotechnology
4. **Names of Interdisciplinary courses and the departments/units involved:**
  - FY Biotechnology – Computer, Chemistry, Mathematics, Physics.
  - SY Biotechnology- English.
5. **Annual/ semester/choice based credit system (programme wise):**  
B.Sc. Biotechnology: F. Y. B.Sc.- Annual pattern  
S. Y. B.Sc.- Semester pattern  
T. Y. B.Sc.- Semester pattern  
M.Sc. Biotechnology: Credit system (Semester pattern)
6. **Participation of the department in the courses offered by the departments:**  
Contribution by the faculty for the related subjects: M.Sc.- Industrial safety, IPR, Cyber laws
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	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 are working Under guidance for the last 4 years
Dr. Sangeeta Vijay Bhagat	M.Sc, M.Phil, Ph.D (Biochemistry)	Assistant Professor (Head of the Department)	Biochemistry	16	Nil
Dr. Rebecca Sandeep Thombre	M.Sc.,Ph.D. (Microbiology) SET. (Life Sciences)	Assistant Professor	Microbiology	12	Nil
Dr. Shubhangi Sanjay Puranik	M.Sc.,Ph.D. (Zoology)	Assistant Professor	Zoology	17	Nil
Mrs. Rama Mandar Phadke	M.Sc., SET (Biotechnology)	Assistant Professor	Biotechnology	12	Nil
Dr. Geetanjali Madhusudan Litake	M.Sc.,Ph.D. (Medical Microbiology)	Assistant Professor	Medical Microbiology	4	Nil
Mr. Ravi L Dabhade	M.Sc., NET, GATE (Biochemistry)	Assistant Professor	Biochemistry	4	Nil
Dr Sangeeta Sathaye	M.Sc, Ph.D. (Biochemistry)	Assistant Professor	Biochemistry, Plant Biotech	5	Nil
Dr. Sharad Goswami	M.Sc. Ph.D. (Botany)	Assistant Professor	Botany	10	Nil

11. List of senior visiting faculty:

Sr.No.	Name of The visiting faculty	Topic
1.	Mrs. Rajadhyaksha	Mathematics and Statistics at F.Y. B.Sc. Biotechnology

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty
- B.Sc. Biotechnology: 15% for F.Y.B.Sc. Biotechnology by CHB faculty and 10% for S.Y.B.Sc. and T.Y.B.Sc. by Adhoc faculty
- M. Sc. Biotechnology: 10% by CHB and 10% by Adhoc faculty



Adhoc and CHB Detail workload: (Hours per week)

Sr.No	Name of The faculty	Weekly work load	
		UG	PG
1.	Mrs. Rama Phadke (Adhoc)	10L +4P	6L+12P
2.	Dr. Sathaye Sangeeta (Adhoc)	5L +8P	6L+5P
3.	Mrs. Rajadhyaksha : Mathematics (CHB)	4L +4P	—
4.	Mrs. Rajadhyaksha : Statistics (CHB)	4L +4P	—
5.	Miss. Dimple Jain : Computer Sci. (CHB)	4L +8P	—
6.	Physics and Biophysics (CHB)	6L +4P	—
7.	Manisha Kashid : Chemistry (CHB)	4L +4P	—
8.	Mahesh Shindikar : Environmental Biotechnology (CHB)	—	2L
9.	Mrs. Vaishali Deshpande and Aashif Lakhani : Clinical research and IPR (CHB)	—	3L

13. Student -Teacher Ratio (programme wise)

B.Sc. Biotechnology: 5.6 : 1 (45:8)

M.Sc. Biotechnology: 4 : 1 (24:6)

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

One lab assistant and Five lab attendant

Sr.No.	Name of The faculty	Designation
1.	Mrs. Vinita Dass	Lab Assistant
2.	Mr. Prasad Vanage	Lab Attendant
3.	Mr. Rajendra Khapre	Lab Attendant
4.	Mr. Sagar Kudale	Lab Attendant
5.	Mr. Sameer Dhawade	Lab Attendant
6.	Mrs. Ranjana Dhotre	Lab Attendant

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

Six Ph.D.s and Two M.Sc. plus NET / SET qualified and pursuing their doctorate

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

<b>Dr. Rebecca Thombre</b>	Halophilic bacterial diversity of west coast on India	2 years 2013-2015	ISRO-UOP	16,04,000/-
<b>Dr. Rebecca Thombre</b>	Green Synthesis of gold nanoparticles	2 years 2013-2015	UGC-MRP	90,000/-
<b>Dr. P. P. Kanekar (CSIR Emeritus scientist)</b>	Exploring halophiles from west coast of India for production of bacteriorhodospin, a novel protein capable of converting light energy into electrical energy	3 years 2013-2016	CSIR	23,00,000/-

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

Completed research projects:

<b>Name &amp; Designation of the Staff</b>	<b>Research Project Major/Minor</b>	<b>Funding Agency</b>	<b>Duration from _____ To _____</b>	<b>Amount Rs.</b>	<b>Whether Project is with any collaboration</b>
Dr. Sangeeta Bhagat HOD	Minor	UGC	Completed (2009-2011)	80,000/-	No
Dr. Rebecca Thombre Asst. Professor	Major	GC-CAM, USA	Completed (2005-2008)	6,00,000/-	YES
	Minor	BCUD	Completed (2012-2014)	2,00,000/-	YES
	Minor	UGC	Ongoing (2013-2015)	9,00,00/-	No
	Major	ISRO	Ongoing (2013-2015)	16,04,000/-	No
Dr. Shubhangi Puranik Asst. Professor	Minor	UGC	Completed (2009-2011)	70,000/-	No
Mrs. Rama Phadke Asst. Professor	Minor	BCUD	Completed	2,00,000/-	No

- College funded project: 1) Mrs. Rama Phadke Isolation and purification of lectin protein from *Jatropha curcus*. Amount funded 4,000/-.

18. Research Centre /facility recognized by the University

- Recognized research centre for M.Phil. in Biotechnology.
- UG and PG research projects.

19. Publications: \* a) Publication per faculty



**Publications of Teachers**

Sr.No.	Name of the Staff	Books	Publication		Conference	
			International	National	Oral	Poster
1	Dr. Mrs. S. V. Bhagat	-	1	1	3	6
2	Mrs. R. S. Thombre	6 chapter	13	9	6	31
3	Dr. Mrs. S. S. Puranik	-	2	3	3	10
4	Mrs. R. M. Phadke	-	-	-	3	9
5	Dr. G. M. Litake	-	6	3	-	6
6	Mr. R. L. Dabhade	-	-	-	-	1
7	Dr. S. S. Sathaye	1 chapter	3	-	1	-
8.	Dr. Sharad Goswami	-	-	-	-	2

20. Areas of consultancy and income generated:

Non remunerable consultancy.

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

B.Sc. Biotechnology: 100% students have done in-house projects

M.Sc. Biotechnology:

YEAR	PERCERNTAGE OF STUDENTS	
	In-house	Out side (NCL, ARI, NIV, Serum Institute, NCCS and Pune University)
2009/10	15	85
2010/11	25	75
2011/12	33	67
2012-13	33	67
2013-14	80	20
2014-15	100	00

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

M.Sc. Biotechnology:

YEAR	PERCERNTAGE OF STUDENTS (NCL, ARI, NIV, Serum Institute, NCCS and Pune University )
2009/10	85
2010/11	75
2011/12	67
2012-13	67
2013-14	20
2014-15	Nil

23. Awards / Recognitions received by faculty and students

- **Dr. Puranik Shubhangi**

Recognised M.Phil/Ph.D. guide in Zoology by University of Pune

- **Dr. Rebecca Thombre**

1. **BRSI-BEST POSTER AWARD** at International Conference on Bioinformatics and Biotechnology organized by Biotech Research Society of India, at Le Meridian, Pune from 25-27 November 2013.
2. **BEST PAPER AWARD** at National Conference on e-Waste Management, PES, Modern College from 23-24 December 2013.
3. **BEST PAPER AWARD** for paper on "Cyclodextrin glycosyl transferase" at Indian Convention of Food Scientist and Technologist (ICFST, CFTRI, Mysore) organized by AFSTi, Yashada, Pune. (24 Feb 2012)
4. **BEST PAPER AWARD (Young Scientist Category)** for Oral Presentation on "Nanotechnology and Cancer" at National Symposium on Life Sciences, Elphinstone College, Mumbai. (7 Jan 2012).
5. **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, Jan 2011.
6. **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)



24. 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 Feb. 2011	Lecture series on 'Career opportunities in Biotechnology'	150	Information about career opportunities	Speakers- Dr. Bikash Aich, Adv. Shreedhar Parundekar, Mrs. Soumi Dattagupta
7 Feb. 2012	Lecture on Biofilms	130	Interaction with foreign scientist	Speakers- Dr. Susan Lang from Glassgow Caledonian University, UK
18-19 Jan. 2013	Lecture series on 'Intellectual Property Rights-A career option for Life Sciences'	100	Information about career opportunities	Speakers- Adv. Ganesh Hingmire (GMGC), Adv. Shreedhar Parundekar, Mrs. Kulkarni (NCL Innovation Center)
7 <sup>th</sup> Sept. 2013	Lecture on 'Credit system implementation'	24	For faculty and PG students for implementation of newly introduced credit system for M.Sc. course	Speaker- Dr. Saroj Ghaskadbi
Feb. 2014	Lecture series on 'Advanced techniques in Genomics and Proteomics' for Life science PG students	75	Interaction with scientist Information about Mass spectrometry and Next generation sequencing	Speakers- Dr. Ashok Giri (NCL), Mr. Sourabh Pradhan IISER
27-28 <sup>th</sup> March 2014	Skill development workshop in PCR techniques	32	Training of T.Y.B.Sc. Botany and Zoology students	Funded by BDT STAR College
28 <sup>th</sup> Jan. 2015	Opportunities in National Tsing Hua University, taiwan	200	About scholarships for higher studies in Taiwan	Prof. Yu Lin Wang and Prof. Cheng Yao Lo
10 <sup>th</sup> Feb. 2015	Scientific Writing	50	Writing project reports and scientific communication	Prof. Ghate

25. 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 University of Pune
- International: Nil
- Star college funded workshop based on PCR based techniques was conducted in March 2014 for T.Y.B.Sc Life Sciences students.

26. Student profile programme/course wise: Nil

Name of the Course/programme (refer question no. 4)	Year	Applications received	Selected		Enrolled	Pass percentage
			*M	*F		
T.Y.B.Sc Biotechnology	2010-11	44	42	10	32	80.95%
T.Y.B.Sc Biotechnology	2011-12	35	33	8	25	100 %
T.Y.B.Sc Biotechnology	2012-13	55	54	15	39	92 %
T.Y.B.Sc Biotechnology	2013-14	33	33	3	30	75.55%
T.Y.B.Sc Biotechnology	2014-15	42	41	8	33	98%

\*M = Male \*F = Female

Name of the Course/programme (refer question no. 4)	Year	Applications received	Selected		Enrolled	Pass percentage
			*M	*F		
M.Sc. Biotechnology	2010-11	22	22	7	15	100%
M.Sc. Biotechnology	2011-12	26	26	7	19	89 %
M.Sc Biotechnology	2012-13	25	25	5	20	96 %
M.Sc Biotechnology	2013-14	24	24	5	19	100%
M.Sc Biotechnology	2014-15	24	24	5	19	100%

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Sc. Biotechnology	98	2	Nil
M.Sc. Biotechnology	95	3	2

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

Ten percent students cleared NET examination and Fifteen percent students cleared GATE examination

29. Student progression

Student progression	Against % enrolled
UG to PG	99
PG to M.Phil.	Nil
PG to Ph.D.	10
Ph.D. to Post-Doctoral	Nil
<b>Employed</b> • Campus selection • Other than campus recruitment	3050
Entrepreneurship/Self-employment	5



30. Details of Infrastructural facilities

- a) Library: Departmental library is merged with Central Library facility of the college
- b) Internet facilities for Staff & Students: Well equipped computer laboratory with network facility is present at department of Biotechnology. Total 15 computers are installed for this purpose.
- c) Class rooms with ICT facility: Three classrooms with LCD projector facility
- d) Laboratories:
  - Two UG and two PG laboratories for regular practicals and Project work
  - Four special laboratories :
    - 1) Research laboratory
    - 2) Animal Tissue Culture
    - 3) Plant Tissue culture
    - 4) Bioinformatics laboratory with Internet connection

All laboratories are well equipped with latest instruments

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

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

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

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

Lectures by eminent persons as enlisted in point no. 24.

33. Teaching methods adopted to improve students learning Interactive sessions, seminars, group discussions, quiz and debates were organized for students.

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

**Dr. Shubhangi Puranik :**

- 1) NSS Programme officer, conducted health camps to improve the nutritional status of women & children of the villages.
- 2) Coordinator for the certificate course in Animal Tissue Culture .

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

Planning to establish research centre for Ph.D. in Biotechnology.

### Activity I : PTA meeting

1. Name of the activity: Parent- Teacher Association for F. Y. Biotech Students
2. Date, Time, Place: 23<sup>rd</sup> August 2014 at 11am to 1 pm in assembly hall.
3. Subject /Topic : PTA meeting.
4. Chief guest: Prof. S. R. Choudhary, Vice Principal.
5. Photographs: Attached.
6. Attendance : Total 100  
Teachers : 12, Students : 40, Parents : 37
7. Summary of the Programme:
8. Conclusion:
  - Interactions of teachers with the parents as well as with students.
  - Information about department, Syllabi, academic calendar and examination pattern.
  - Discussion on opportunities & scope of Biotechnology.

### Activity II : Biotech -Fest

1. Name of the activity: Biotech -Fest
2. Date, Time, Place: 28<sup>th</sup> Jan-29<sup>th</sup> Jan 2015 From 10 am -5 pm in assembly hall & department of Biotechnology.
3. Subject /Topic : Various intercollegiate competitions : Quiz, Model, poster & bio-rangoli .
4. Chief guest: Dr. S.V. Bhide, SPPU & Dr. Sonali Joshi, Fergusson college, Pune.
5. Photographs: Attached.
6. Attendance : Total Appox. 200  
Teachers : 8, Students : 200
7. Summary of the Programme: Department of Biotechnology conducted Biotech Fest (Inter-college and Inter-departmental Competitions) under the star college scheme on 28<sup>th</sup> -29<sup>th</sup> Jan. 2015. The session begin on 2:00 pm on 28<sup>th</sup> Jan. 2015 with a quiz competition and ended with prize distribution on 29<sup>th</sup> Jan. 2015. Approximately 200 students enrolled for various events. The Poster and Model, Biorangoli and Photography Competitions commenced simultaneously on 29th. The judges for the events were as follows.  
  
Poster and Model Competition – Dr. Mrs. Sonali Joshi and Dr. Shobhana Bhide.  
Biorangoli Competition – Dr. Mrs. Neeta Patil  
Photography Competition – Dr. Rajkumar Barmukh.  
Quiz Competition – Ravi Dabhade  
  
The students participated actively as volunteers for successful management of the event. All competitions were judged by competent judges and the prize winning students were awarded medals and participation certificates. Three prizes were awarded in each category.
8. Conclusion:
  - Biotech fest explored talent and aptitude for co-curricular activities among students.
  - This activity also inculcate sporting spirit and competitiveness & to groom their abilities to interact and organize events as volunteers..
  - Students were satisfied with the organization and fair judgment. (Verbal feedback).

### Activity III : Industry - Academia Meet

1. Name of the activity: Industry - Academia Meet



2. Date, Time, Place: 30<sup>th</sup> - 31<sup>st</sup> Jan in assembly hall.
  3. Subject /Topic : Industry - Academia Meet
  4. Chief guest: Dr. R.S. Zunjarrao, Principal, Prof. S. R. Choudhary, Vice Principal.
  5. Photographs: Attached.
  6. Attendance : Total 150  
Teachers : 8, Students : 150
  7. Summary of the Programme: In recent times it is increasingly experienced that there is a gap between manpower need of industry and supply of manpower available from educational institutions. Modern College of Arts, Science and Commerce, Shivajinagar, Pune, has organized an Industry Academia meet on 30<sup>th</sup> & 31<sup>st</sup> January 2015. The objective of this meet was to identify the exact gap in curriculum and need additional input to be given to the students. Experts from the industries Dr. Sanjay Gavkare from Ventribiologicals, Pune, Mr. Arvind Ketkar, Prontosil, Pune, Mr. Girje, Dr. Arun Waghmare, Haffkins Institute, Pune Dr. S. V. Sawardekar, Krishi Vidyapeeth, Dapoli, Mr. Vivek Singh, Persistent, Pune, participated and expressed their views for bridging this gap. Principal Dr. R.S. Zunjarrao gave details of progress of college and efforts taken by the college to strengthen the collaborations with various industries. Dr. Jagdish Benale from JBN Enterprises, Pune, discussed details about gray areas for students' placement like Research and Development, production, management, human resource development and IPR. Stressing on the point 'high technology is always based on high science', he explain need of interdisciplinary approach in curriculum. Mr. Girish Walawalkar from Fermenta Biotech, Mumbai, guided the students regarding importance of small things that are to be conducted properly and with full concentration, which is need of industry. Basic Mathematics, Preparation of Buffer solutions, punctuality in completion of works were some of the examples he discussed. Mr. Subhash Dighe from Tata Motors & public Companies who is having 35 years of experience in general management, Manpower Assessment stressed on the point that student should be honest, whatever you know be honest, study the matters that you do not know very well. Mr. Shagith Prakash, from York winery, Nasik, explains need of business aspects to be included in syllabus, modify the syllabus as per current trends in market of applications and industries. Mr. Milind Gambhir Resource person from pune, stressed on continuous learning of new technology and soft skills like excellent communication, technical documentation, e-mail drafting, writing proposals, team player attitude and SWOT analysis for everyone. Prof. S.R.Choudhary illustrated the contents of curriculum to develop soft skills and efforts taken by the college. Krishi vidyapeeth, Dapoli, Prontosil Pune, JBN enterprises, Pune offered summer training for interested students at their places. One hundred & fifty students from undergraduate and post graduate participated in this meet. They interact freely with industrialist, researchers and Academicians for clarification for making career in industry or develop as a entrepreneur. This meet was ended with felicitation of our entrepreneurs, Kishore Kulkarni, Chetan Rawal, Chetan Khunjir & Karishma Shaikh. They share their experiences & interact with the students..
- Dr. Shubhangi Puranik took efforts to organize this Industry Academia meet successfully. Principal Dr. R.S. Zunjarrao, Dr. A.K. Pande, Prof. A. G. Gosavi, Prof. S. R. Chaudhari, Dr. Sangeeta Bhagat and heads, teachers of the various departments participated in this meet.
8. Conclusion:
    - Enhancing coordination between industry and academic institutes.
    - To reduce the gap between expectations of industries & academics.
    - Interactions between students and industrialists.
    - Exposure to undergraduate & postgraduate students to various industries, their working and opportunities.

#### Activity IV: Workshop for Mind Power and Skill Development

1. Name of the activity: A workshop for 'Mind Power and Skill Development' for T.Y.B.Sc. Biotechnology students



2. Date, Time, Place: 8<sup>th</sup> January 2015 in Department of Biotechnology.
3. Subject /Topic : Mind Power and Skill Development'.
4. Chief guest: Dr. Sangeeta Bhagat HOD.
5. Photographs: Attached.
6. Attendance : Appox. 70  
Teachers : 8, Students : 70,
7. Summary of the Programme: The invited speaker was Mr. Sandeep Gaikwad from Mind Power Ltd. The sessions included talks on following topics:  
Meditation, Mind Map techniques, Photo reading, Positive thinking, Success strategies, Types of learning among pupils, Concept of visualization, How to conquer dreams. The feedback from students was overwhelming.
8. Conclusion:  
Workshop helped students to concentrate in their exams and day to day life

#### **Activity V: Skill development workshop on PCR Techniques**

1. Name of the activity: Skill development workshop on PCR Techniques
2. Date, Time, Place: 28<sup>th</sup> and 29<sup>th</sup> April 2014, 8 am -1 pm in Department of Biotechnology.
3. Subject /Topic : Skill development workshop on PCR Techniques.
4. Chief guest:- Dr. Sangeeta Bhagat HOD.
5. Photographs: Attached.
6. Attendance : Appox. 34  
Teachers : 8, Students : 34,
7. Summary of the Programme: Department of Biotechnology conducted skill development workshop in PCR techniques for T.Y.B.Sc. life science (**Zoology and Botany**) students under the star college scheme on 28<sup>th</sup> and 29<sup>th</sup> April 2014. The session begin on 8:00 am on 28<sup>th</sup> April 2014. Total 34 students enrolled for the course. The course was conducted in two batches simultaneously with 29 and 14 numbers of students respectively in both batches. The session started with lecture on Introduction to PCR followed by hands on training session for PCR additions, programming for PCR on thermal cycler and actual running of PCR reaction. The session closed at 12:30 pm for the first day.  
On second day the session started again at 8:00am with the introductory lecture on Agarose gel electrophoresis. It is the technique used for analysis of PCR product. The PCR products of the students were analyzed by gel electrophoresis hands on session. Every student loaded their PCR products on gel and was allowed to run it for 1:30 hour. After completion of the gel electrophoresis every student analyzed the result by observing the gel on uv transilluminator. On second day the session closed at 11:00 am. Every student had hands on experience for PCR reaction and analysis of PCR product which is a part of their theory syllabus
8. Conclusion:  
Every student had hands on experience for PCR reaction set up and electrophoretic analysis of PCR product. This is an additional practical skill for general life science students. Students were satisfied with the workshop.

#### **Activity VI: Educational visits of UG & PG studeeents**

1. Name of the activity: Educational visits



2. Date, Time, Place:

- a) F. Y. & S. Y. B.Sc. Visit to Agriculture University, Dapoli on 7<sup>th</sup> & 8<sup>th</sup> Jan. 2015.
- b) T.Y. B.Sc. Visit to Bangalore & Mysore, on 2<sup>nd</sup> – 7<sup>th</sup> March 2015.
- c) M.Sc. I & II. Visit to Hyderabad, on 29<sup>th</sup> March – 2<sup>nd</sup> April 2015

3. Subject /Topic : **Educational visits.**

4. Photographs: Attached.

5. Attendance : a) F. Y. & S. Y. B.Sc.

Teachers : 6, Students : 66,

6. Summary of the Programme:

FY and SY VISIT: The study tour of F.Y. B.Sc. and S.Y. B.Sc. Biotechnology students was organized on the 7<sup>th</sup>- 8<sup>th</sup> Jan.2015 to the Dr. Babasaheb Sawant Konkan Krishi Vidyapeeth located at Dapoli. The visit began with a tour to various departments. The 'Lac Baug' had about one lakh trees including tall coconut trees and even the beetle nuts. The zoology section had rare images and preserved larval stages of many insects. The Biotechnology department was spacious and well equipped with tissue culture and propagation facilities.

Attendance : b) T. Y. B.Sc.

Teachers : 4, Students : 34,

Summary of the Programme: The study tour of T.Y. B.Sc. Biotechnology students was organized on the 2<sup>nd</sup>-7<sup>th</sup> march .2015 to the Indian Institute of Sciences Bangalore and CFTRI Mysore.

Students visited the Biochemistry laboratory of the Prof. Utpal Tatu. various highly sophisticated instruments like Protein sequencer, mass spectrometer etc. students actually got the exposure to the various lab animal testing. His students interacted with our students and shared their experience of being Ph.D. students of the well known institute of the country.

In the CFTRI students visited the microbiology and biochemistry laboratory where all food related research is going on. Students actually got to know that what all avenues they will have in the field of nutrition and biochemistry.

Attendance : c) M.Sc. I & II.

Teachers : 3, Students : 30,

Summary of the Programme:

1. Centre for DNA Fingerprinting and Diagnostics (CDFD)

The students were taken to the centre for DNA fingerprinting and Diagnostics (CDFD). There was a lecture conducted by a senior scientist on DNA fingerprinting and its wide range of applications. There was a question and answer session followed by the lecture.

The other scientist Mr. Joy introduced the students to various instruments and equipments. The working mechanism of DNA analyzer was shown to the students.

2. Agri Life- SOM Phytopharma (India) Ltd.

This industry was based on the production of biofertilizers on large scale using plant sources as well as microbial sources. The students were shown the large scale fermenters, packaging and labeling system of the industry. The briefing of all the production units, packing and labeling was given by the senior employee of the industry.

The students were then taken to the research and development department (R & D) of the industry.

3. CHROMO Laboratories (India) Ltd.

This industry was for anticholesterol drug production. They introduced students to various instruments and equipments like High Performance LIQUID Chromatography (HPLC), Infrared spectroscopy (IR) and Mass Spectroscopy (MS). They also showed the fermenters maintaining aseptic conditions. The

students were then taken to the packaging room where there were separate rooms for Rejected material and Approved material. The storage rooms as well as storage containers were also shown.

Attendance : c) M.Sc. II

Teachers : 2, Students : 24

Summary of the Programme: *BAIF's Mission is to create opportunities of gainful self-employment for the rural families, especially disadvantaged sections, ensuring sustainable livelihood, enriched environment, improved quality of life and good human values. This is being achieved through development research, effective use of local resources, extension of appropriate technologies and upgradation of skills and capabilities with community participation. BAIF is a non-political, secular and professionally managed organisation.*

BAIF, identifies cattle development as an important source of sustainable livelihood for the rural poor in India. The uniqueness of the dairy husbandry programme is that with 2-3 home-born high yielding milch animals, the small and marginal farmers are able to earn their livelihood and come out of poverty.

Various support services have been introduced and research studies have been undertaken to address the emerging problems and to improve the profitability of farmers. Presently, an estimated 8.5 lakh cows born under BAIF programme, are in milk production, contributing an income of 2500 crores to the rural economy. Among these centres, 108 centres are managed without any financial grant, by availing interest free loan from the National Dairy Development Board (NDDB) under the National Dairy Development Programme.

The semen freezing laboratory at Urulikanchan, has produced 54 lakh doses of semen during the year, breaking all earlier records of production. This lab also had the distinction of being ranked "A" by the Central Monitoring Unit of the Ministry of Agriculture, Government of India. The Embryo Transfer Lab, established with an objective of producing superior bulls using modern technologies, has frozen 143 embryos of various breeds.

7. **Conclusion:** All these visits helped our students to know various opportunities in the field of biotechnology. They got exposure the various research areas as well as all avenues which they will have after their masters. they could see all those aspiring things which they usually study in the theory.



# Department of Botany

1. Name of the department : Department of Botany
2. Year of Establishment UG: 1971  
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 Savitribai Phule University of Pune, 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 Dr. R.B.Barmukh works as an Assistant Coordinator for the course.

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

The courses like Biostatistics, Bioinformatics, Plant Biotechnology and Seed Technology are interdisciplinary in nature. The teaching of these courses is done with the help from the departments of Statistics, Zoology, Computer Science, Biotechnology, and Microbiology.
5. Annual/ semester/choice based credit system (programme wise)

F.Y.B.Sc. Botany	: Annual pattern
S.Y. and T.Y. B.Sc. Botany	: Semester pattern
M.Sc. Botany	: Choice based credit system since June 2013. Before June 2013, Semester pattern
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 contribute in the curriculum of the departments of Microbiology and Biotechnology.
7. Courses in collaboration with other universities, industries, foreign institutions, etc.
  - i. A skill development course on 'Biofertilizer Technology' is conducted in association with Sahyadri Biogreen, Satara (Maharashtra).
  - ii. 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.
  - iii. 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).
  - iv. In collaboration with Multiversity, a well-known educational organization, the department has conducted e-learning sessions for the post graduate 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 are working Under guidance for the last 4 years
Dr. R. S. Zunjarrao	M.Sc., Ph.D.	Head of the Department	Cytogenetics and Plant Breeding	UG: 28 yrs PG: 22 yrs as Contributory staff	Awarded degree 01 Pursuing research 02
Dr. Mrs. N. M. Patil	M.Sc., Ph.D.	Associate Professor	Plant Physiology	UG: 24 yrs PG: 17 yrs as contributory staff	Pursuing research 03
Dr. R. B. Barmukh	M.Sc., Ph.D., SET	Assistant Professor	Cytogenetics and Plant Breeding	UG: 10 yrs PG: 9 yrs full time and 10 years as Contributory	NA
Dr. U. R. Wayase	M.Sc., M.Phil., Ph.D., NET	Assistant Professor	Plant Physiology	UG: 10 yrs PG: 10 yrs	NA
Prof. A. P. Goggi	M.Sc., NET	Assistant Professor	Plant Physiology	UG: 04 yrs PG: 04 yrs as Contributory	NA
Prof. A. P. Kulkarni	M.Sc., NET	Assistant Professor	Plant Biotechnology	UG: 3 yrs PG: 02 yrs as contributory	NA
Prof. S. P. Salunke	M.Sc.	Assistant Professor	Angiosperm Taxonomy	UG: PG: 21 yrs	NA
Dr. K. D. Gopale	M.Sc., Ph.D.	Assistant Professor	Angiosperm Taxonomy	UG: 4 yrs PG: 4 yrs	NA
Prof. R. D. Kulkarni	M.Sc., SET	Assistant Professor	Botany	UG: 3 yrs PG: 4 yrs	NA



11. List of senior visiting faculty

- Dr. V. D. Ranade, Retd. Head, Department of Botany, Abasaheb Garware College, Pune.
- Dr. D. R. Shirke, Retd. Professor, Department of Botany, University of Pune, 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 (programmewise) by temporary faculty

B.Sc. Botany :

Total workload = 126

Workload by temporary faculty =  $126 - 108 = 18$  lectures per week

= 14% of the total workload

M.Sc. Botany :

Workload by temporary faculty =  $72 - 48 = 24$  lectures per week

= 33% of the total workload

13. Student-Teacher Ratio (programme wise)

UG : Total number of students : 264

No. of teacher: 6

Ratio at UG: 44:1

PG:

Total number of students: 48

No. of teachers: 3

Ratio: 16:1

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

Technical staff	Sanctioned	Filled
Laboratory Assistant	01	01
UG Science Faculty Clerk	01	01
PG Science Faculty Clerk	01	01
Laboratory Attendant	06	06

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

Name	Qualification
Dr. R. S. Zunjarrao	M.Sc., Ph.D.
Dr. Mrs. N. M. Patil	M.Sc., Ph.D.
Dr. R. B. Barmukh	M.Sc., Ph.D., SET
Dr. U. R. Wayase	M.Sc., M.Phil., Ph.D., NET
Prof. Mrs. A. P. Goggi	M.Sc., NET
Prof. Mrs. A. P. Kulkarni	M.Sc., NET, SET
Prof. S. P. Salunke	M.Sc.
Dr. K. D. Gopale	M.Sc., Ph.D.
Prof. R. D. Kulkarni	M.Sc., SET

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

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

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

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

18. Research Centre /facility recognized by the University

The Department of Botany has a Post Graduate Research Centre recognized by the University of Pune since 1984. The department has a spacious and well-equipped Post Graduate Research Laboratory. Since 2013, three JRFs are working on major research projects. In the last four years, 3 research students were awarded the Ph.D. degree of University of Pune and at present 4 research students are pursuing their research for the doctoral degree of University of Pune.

The Post Graduate Research laboratory has following special equipment.

- HPLC
- PCR
- UV-Vis Spectrophotometer
- Microphotography unit (Leica)



- Bomb Colorimeter
- Gel Documentation unit
- Cooling water bath
- -20 °C refrigerator
- Environmental chamber
- Incubator shaker

19. Publications:

\* a) Publication per faculty

Sr. No.	Name of the faculty	Publications in the last five years	
		National	International
1.	Dr. R. S. Zunjarrao	5	4
2.	Dr. Mrs. N. M. Patil	1	9
3.	Dr. R. B. Barmukh	Nil	2
4.	Dr. U. R. Wayase	Nil	1
5.	Prof. A. P. Goggi	Nil	Nil
6.	Prof. A. P. Kulkarni	Nil	4
7.	Dr. K. D. Gopale	3	3

- \* Number of papers published in peer reviewed journals (national /international) by faculty and students

22

- \* 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.)

22

- \* Monographs : Nil

- \* Chapter<sup>s</sup> in Books:

1. Plant Physiology (2014) by Prashant Publications
2. Plant Biotechnology (2015) by Prashant Publications

- \* Books Edited: Nil

- \* Books with ISBN/ISSN numbers with details of publishers: 01

- \* Citation Index

Name	Citation Index
Dr. R. S. Zunjarrao	40
Dr. Mrs. N. M. Patil	25
Dr. R. B. Barmukh	50
Dr. U. R. Wayase	1
Prof. Mrs. A. P. Kulkarni	40
Dr. K.D. Gopale	2

\* SNIP

Name	
Dr. R. S. Zunjarrao	0.37
Dr. Mrs. N. M. Patil	
Dr. R. B. Barmukh	
Dr. U. R. Wayase	
Prof. Mrs. A. P. Kulkarni	
Dr. K. D. Gopale	0.37

\* SJR

Name	
Dr. R. S. Zunjarrao	
Dr. Mrs. N. M. Patil	
Dr. R. B. Barmukh	
Dr. U. R. Wayase	
Prof. Mrs. A. P. Kulkarni	
Dr. K. D. Gopale	

\* Impact factor

Name	
Dr. R. S. Zunjarrao	4.2
Dr. Mrs. N. M. Patil	
Dr. R. B. Barmukh	
Dr. U. R. Wayase	0.56
Prof. Mrs. A. P. Kulkarni	0.92
Dr. K. D. Gopale	3.8

\* h-index

Name	
Dr. R. S. Zunjarrao	3
Dr. Mrs. N. M. Patil	3
Dr. R. B. Barmukh	4
Dr. U. R. Wayase	
Prof. Mrs. A. P. Kulkarni	3
Dr. K. D. Gopale	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 on the Boards of Editor of the Journal International Journal of Bioscience Discovery. He is also a Member of the Board of Studies in Botany, University of Pune, 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 ~ 7.2% of total number of students (UG+PG) studying the subject Botany in undergraduate and post graduate programmes.**

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

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

**Up to the academic year 2013-2014, all the projects of M.Sc. Botany students were of in-house type. But from the academic year 2014-2015, about 60% students have undertaken the project in other institutions or industries.**

23. Awards / Recognitions received by faculty and students

**Dr. R. S. Zunjarrao, Head of the Department of Botany and Principal of the college was awarded the Best principal Award of the University of Pune in February 2014.**

Dr. R. S. Zunjarrao and Dr. N M Patil became recognized guides for Ph.D. degree of Savitribai Phule Pune University.

Dr. N. M. Patil and Dr. K. D. Gopale were 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 28<sup>th</sup> to 30<sup>th</sup> January 2011.

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

Dr. Amitabh Joshi, JNASCAR, Bangalore

Dr. Sitaramam, Retd. Head, Department of Biotechnology, University of Pune.

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.

1. International Conference on Biodiversity and its Conservation, 28<sup>th</sup> to 30<sup>th</sup> January 2011, funded by University Grants Commission, New Delhi and BCUD, SPPU, Pune.
2. 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 and BCUD, SPPU, Pune.
3. International Conference on Environmental Conservation by Adopting New Technologies, 28<sup>th</sup> & 29<sup>th</sup> January 2014, funded by University Grants Commission, New Delhi and National Bank for Agriculture and Rural Development (NABARD), Pune.
4. Workshop details: from IQAC and DBT star college
  - a) 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
  - b) Workshops on Seed Technology, Plant Tissue Culture and Microtomy were organized for undergraduate students of Botany and these workshops were funded from DBT Star College Scheme.

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
F.Y.B.Sc.	160	160	2010-11-44 2011-12-	2010-11-77 2011-12-	60%
S.Y.B.Sc.	100	100	2010-11- 2011-12-55	2011-12- 2011-12-23	80%
T.Y.B.Sc.	32	32	2010-11-2 2011-12-	2010-11-3 2011-12-	98%
M.Sc.	50	24	2010-11-13 2011-12-	2010-11-29 2011-12-	100%
Ph.D.	6	5	2	3	Research in progress

\*M = Male \*F = Female



27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
F.Y.B.Sc.	95	05	Nil
S.Y.B.Sc.	95	05	Nil
T.Y.B.Sc.	95	05	Nil
M.Sc.	98	02	Nil
Ph.D.	100	Nil	Nil

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

NET, SET: 01

Hrishikesh Khodade

Defense Services: 01

Anand Pratap Singh

ICAR NET and TIFR entrance exam:

Ganesh Mankar

29. Student progression

Student progression	Against % enrolled
UG to PG	38.25%
PG to M.Phil.	< 1%
PG to Ph.D.	< 1%
Ph.D. to Post-Doctoral	Nil
<b>Employed</b> • Campus selection • Other than campus recruitment	Nil
Entrepreneurship/Self-employment	

30. Details of Infrastructural facilities

a) Library

The department has maintained a library for the T.Y.B.Sc. and M.Sc. students. A separate Advisory Committee for these libraries has not been constituted by the department. However, the staff members looking after the UG library recommend the titles that are useful for the UG students. The library has been enriched in the past years by the books received by the staff members as complimentary copies.

The PG library is enriched by the books borrowed from the college library.

The UG departmental library has three cupboards and about 300 books. Students exchange books once in a week on a day suitable to all.

The PG library has 2 cupboards and about 200 books. This library is also operated in the same way. Apart from these books, the students have access to more than 500 eBooks available with the staff members in the department.

These libraries does not offer individual reading carrels or lounge area for browsing and relaxed reading.

- b) Internet facilities for Staff & Students  
The department has wired as well as wireless internet facility. The students have free access to the wired internet facility, facility of downloading the documents and printing documents.
- c) Class rooms with ICT facility  
The classrooms used for FYBSc, SYBSc, TYBSc as well as classrooms for Post Graduate classes are equipped with LCD projectors and portable sound system.
- d) 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
- Students from the department – Earn and Learn Scheme**  
Scholarship students with Botany subject
32. Details on student enrichment programmes (special lectures / workshops /seminar) with external experts  
The department has organized following lectures
- Dr. H V Ghate, Head (Retd), Department of Zoology delivered a lectures on Scientific Writing to the post graduate students
  - Dr. Ankur Patwardhan, Head, Department of Biodiversity delivered a lecture on ‘Green Audit’ on 5<sup>th</sup> February 2015..
  - 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 20<sup>th</sup> 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 Dept. 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
- Labeling road side trees with botanical names: The department has taken the initiative in labeling the trees in the nearby areas. So far, the trees on the Modern College Road were labeled 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 neighborhood communities. This course was based on the preparation of herbal cosmetics.
  - All the staff members were actively involved in Indian Census acitivity 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:**

- The department has various types of traditional as well as modern teaching aids like charts, models, specimens, fossil specimens, museum, animations, videos, e-books, simulations, etc., for effective teaching and learning.
- The department has two well-equipped laboratories for UG and PG classes.
- Both the laboratories are equipped with LCD projector.
- A well maintained Botanical Garden that provides commonly required plant materials for UG and PG practicals.
- A well-equipped Post Graduate Research Laboratory recognized by the University of Pune as a Research Center for pursuing research for Ph.D. degree
- Important instruments in the department include UV-VIS Spectrophotometer, Bomb Colorimeter, HPLC unit, Thermal Cycler (PCR), Gel Documentation Unit (GelDoc), Research Trinocular Microscope etc.
- 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, BCUD etc.
- Almost all of the staff members have enhanced their qualifications in service.
- The department offers teaching at UG, PG as well as post PG courses like Ph.D. and Post-Doctoral research.

#### **Weaknesses:**

- Traditional appearance of the laboratories needs to be improved.
- Research laboratories need to be better equipped and more spacious.

#### **Opportunities:**

- A challenging opportunity to elevate mediocre students to meritorious students' level.
- To motivate maximum students to avail all the basic facilities and infrastructure for pursuing research in all major areas of plant sciences.
- We can improve the soft skills in the students
- Students of the botany department can enhance their basic qualifications by participating in the hands-on-training programmes in various plant based industries. The department can take initiatives in developing such contacts with the personnel from relevant industries.
- By considering the expertise available in the department, the department can arrange events like nature walk to create awareness about environment related issues among the students as well as laymen.

#### **Challenges:**

- To motivate more and more students to take up career in Botany subject.
- If the students are not equipped with the appropriate skills and morals, they may not get fair share of available career opportunities.
- Academic services to range and number of students
- Personality development of students.

## Department of Botany

The Department of Botany has always tried to impart quality education at Junior, Senior, Postgraduate, Doctoral research and Post Doctoral Research levels. This year the number of students enrolled for Botany is F.Y.B.Sc: 150; S.Y.B.Sc:126; T.Y.B. Sc: 21 and M.Sc I, II - 50.

### Departmental Activities

- i) Several field trips were organized for B.Sc and M.Sc students to develop and increase their interest in Taxonomy of plants.
- ii) 'A Workshop on Plant Tissue Culture Technique' was conducted under DBT-Star College Scheme for S.Y.B.Sc. Students. 45 students participated in the Workshop. The duration of the course was from September 2014- February 2015.
- iii) Under the guidance of Dr. R.S.Zunjarrao in the month of February 2015, the Department of Botany had organized an Intercollegiate Photography Competition based on the theme of 'Landscapes'. Dr. Rajkumar Barmukh coordinated this event. It also included the exhibition of about 110 photographs submitted by students and teachers from various colleges. Mr. Sagar Gotkhindikar, a renowned photographer and cinematographer, was invited as Judge for this competition.
- iv) Under the guidance of Dr. R.S. Zunjarrao, the department organized Flower arrangement competition and Model competition on 10<sup>th</sup> January 2015 and 3<sup>rd</sup> February 2015 respectively. Around 160 students participated in both the events.
- v) Arranged lectures on Bio- fertilizers and Power of Green for UG and PG students.

### Different Courses conducted by Department

- i) Skill development workshop in Seed Technology was conducted by Prof. Arti P Goggi during July 2014 to October 2014.
- ii) Skill development workshop of one week duration on Plant Microtomy was conducted in Dec. 2014.
- iii) Skill development workshop of one week duration on Basic laboratory techniques was conducted in February 2015. All these workshops were conducted under DBT Star College Scheme. List of Professors invited as guest Lecturers for M.Sc. course.
  - i) Dr.V.D.Ranade, Retd. Head, Botany Department, Garware College, Pune.
  - ii) Dr. Bonde, Agharkar Research Institute, Pune.
  - iii) Mr. Abhinay Nirmal
  - iv) Mr. Pankaj Mundada

### Study Tours and Excursion

Local Botanical excursion tour was organized by the Botany Department in September 2014 for F.Y. B.Sc. Botany students to Tamhini ghat for studying plant diversity and also for collection of plants.

- i) A Botanical Excursion Tour was organized at Mahabaleshwar for the students of S.Y. B.Sc. in the month of February 2014 for observation of Angiospermic and other plants.
- ii) A four day excursion tour was arranged at Amboli and Malvan for the students of T.Y.B.Sc. for the collection and study of marine algae in the month of February 2015.
- iii) A short visit to the Plant Tissue Culture Laboratory of the Department of Biotechnology, Modern College of Arts, Science and Commerce, Shivajinagar, Pune, was organized for the students of S.Y. B.Sc. in the month of Feb. 2015.
- iv) A visit was arranged for T.Y. B.Sc. students to Ayurvedic Rasshala, Karve road Pune, Plant Breeding Station of ARI, Seed Testing Lab, Seed processing unit.
- v) A visit was arranged to Dive-Agar, Harihareshwar for M.Sc. II students in the month of January 2015 to observe the algal diversity
- vi) A visit was arranged to BSI for M.Sc. I and II students in the month of March 2015. ■



## Department of Chemistry

1. Name of the department : Department of Chemistry
2. Year of Establishment : 1970
3. Names of Programmes / Courses offered : B.Sc (Chemistry),  
M.Sc (Analytical Chemistry)
4. Names of Interdisciplinary courses and the departments/units involved: Nil
5. Annual/ semester/choice based credit system (programme wise) :
  - a. F. Y. B.Sc : Annual System
  - b. S.Y., T. Y. B.Sc : Semester System
  - c. P.G. : Choice based credit system
6. Participation of the department in the courses offered by other departments:  
Some teachers contribute in conducting theory lectures and practicals at F. Y. B. Sc and M. Sc in Department of Biotechnology and Department of Microbiology.
7. Courses in collaboration with other universities, industries, foreign institutions, etc.: - One workshop on Analytical techniques in collaboration with Ross Life Sciences, Wakad in March 2012
8. Details of courses/programmes discontinued (if any) with reasons : -
9. Number of Teaching posts

Designation	Sanctioned	Filled
Professors	-	-
Associate Professors	-	2 (U.G)
Asst. Professors	-	3 (U.G.) + 5 (P.G.)

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 are working Under guidance for the last 4 years
Dr.(Mrs) S. D. Joag	M.Sc, Ph.D	HOD Associate Professor	Organic Chemistry	34 Years	-
Dr. S. K. Ujalambkar	M.Sc. Ph.D	Associate Professor	Organic Chemistry	28 Years	-
H. K. Gaikwad	M.Sc, SET, NET	Assistant Professor	Organic Chemistry	16	-
S. S. Sakate	M.Sc, SET, NET	Assistant Professor	Organic Chemistry	14	-
(Mrs) P. B. Suryavanshi	M.Sc, SET, NET	Assistant Professor	Organic Chemistry	12	-
R. M. Jagtap	M.Sc, SET, NET	Assistant Professor	Organic Chemistry	08	-
Mrs. L. B. Rane	M.Sc. M.Phil	Assistant Professor	Analytical Chemistry	06	-
Dr. (Mrs.) M. Nirgudkar	M.Sc. Ph.D	Assistant Professor	Physical Chemistry	05	-
Dr.(Mrs.) K. N. Gaikwad	M.Sc. Ph.D	Assistant Professor	Physical Chemistry	03	-
A. S. Warangule	M.Sc. NET	Assistant Professor	Organic Chemistry	02	-
Mrs. M.J. Kashid	M.Sc.	Assistant Professor	Inorganic Chemistry	02	-

- List of senior visiting faculty : i. **Dr. P. G. Pol**, Ex-HOD, Fergusson College, Pune 4.  
ii. **Dr. S. V. Bhoraskar**, Emeritus Scientist, SPPU, Pune 7.
- Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty:  
UG – L: 27 %  
P: 20 %  
PG – L: 30 %  
P: 16 %
- Student -Teacher Ratio (programme wise):  
UG – L: 13:1  
P: 40:1  
PG – L: 13:1  
P: 08:1



4. Number of academic support staff (technical) and administrative staff; sanctioned and filled.  
Laboratory Assistant : 02  
Faculty Clerk : 01
5. Qualifications of teaching faculty with : **D. Sc- 0, D. Litt-0, Ph. D -4, M. Phil – 1, PG – 2.**
6. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : **Nil**
7. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received:  
(2013)

Year	Staff Member	Project title	Funding agency	Amount sanctioned
2015	R. M. Jagtap	Synthesis and biological activity of some novel 2-aryl thiazolidine-4-carboxylic acids and their esters as novel antimicrobial agents	BCUD, Savitribai Phule Pune University, Pune 7.	2,30,000.

1. Research Centre /facility recognized by the University: **Nil**
2. Publications:
  - \* a) Publication per faculty : **1.6**  
Dr. S. D. Joag (2)  
R. M. Jagtap (2)  
S. S. Sakare (2)  
H. K. Gaikwad (4)  
Dr. K. N. Gaikwad (6)
  - \* Number of papers published in peer reviewed journals (national / international) by faculty and students : **16**
  - \* 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.)  
Impact factor: **16**
3. Areas of consultancy and income generated : **Nil**
4. Faculty as members in : **Nil**
  - a) National committees b) International Committees c) Editorial Boards....
5. Student projects
  - a) Percentage of students who have done in-house projects including inter departmental/programme : **PG : 15%, UG : 10%**
  - b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/other agencies : **PG :05 %**
6. Awards/ Recognitions received by faculty and students:
  - a. **Dr. (Mrs) Sushama Joag** received 1<sup>st</sup> prize at National Competition on Chemical Education organized by BASF-ICT, Mumbai in May 2011.
  - b. **Ms. Apoorva Bhagat**, student from M. Sc II (Analytical Chemistry) stood 1<sup>st</sup> in SP Pune University rank at M. Sc II level in 2011.
  - c. **Ms. Amrita Yadav** won second prize in University level 'Arnikar Lecture competition' in 2015.

7. List of eminent academicians and scientists/ visitors to the department
- Prof. M. S. Wadia, *Ex-HOD, Department of Chemistry, SP Pune University, Pune 7.(2014)*
  - Prof. D. D. Dhavale, *Director CIF, HOD Department of Chemistry, SP Pune University,Pune 7. (2014)*
  - Prof. R. S. Kusurkar, *Ex-HOD, Department of Chemistry, SP Pune University, Pune 7. (2014)*
  - Dr. Sanjay Sonawane, *Ex-Head, Analytical Division, Sai Advantium, Hinjwadi, Pune. (2010)*
  - Dr. Prasad Kulkarni, *Sc. D., Agharkar Research Institute, Pune. (2011)*
8. Seminars/ Conferences/Workshops organized & the source of funding
- National :  
**National Conference on "Perspective of Chemical Sciences" funded by BCUD, SPPU in February 2012**
  - International : Nil
9. Student profile programme/course wise: N.A.

Name of the Course/programme	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
2014-15	396	252	120	132	70.58

\*M=Male F=Female

10. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
T. Y. B.Sc	100 %	00 %	-
M.Sc	98 %	02 %	-

11. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc. : **NEF cleared student - 1**

12. Student progression:

Student progression	Against % enrolled
UG to PG	~ 50%
PG to M.Phil.	~ 01%
PG to Ph.D.	~ 01%
Ph.D. to Post-Doctoral	~ 01%
Employed	
• Campus selection	~ 5%
• Other than campus recruitment	~ 80%
Entrepreneurship/Self-employment	~ 01%



13. Details of Infrastructural facilities

14.

- a) Library : **Central Library and Departmental Library.**
- b) Internet facilities for Staff & Students : **6 computers with internet connections**
- c) Class rooms with ICT facility : **T. Y. B. Sc – 01**  
M. Sc I - 01  
M. Sc. - 01
- d) Laboratories : **Sr. General Laboratory – 01**  
: L. H. Gadgil Instrumental and Physical Lab. – 01  
: P. G. Laboratory – 01  
: Research Laboratory – 01

15. Number of students receiving financial assistance from college, university, government or other agencies: 4 students in earn while learn program

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

17. Teaching methods adopted to improve student learning:

- a. Use of molecular –crystal models
- b. Charts
- c. Use of LED projectors and PPT
- d. Group Discussion
- e. Students Seminar
- f. Use of newer pedagogic methods such as cooperative learning in teaching

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

Dr. S. D. Joag contributed as a resource person in training programme for school teacher (Jan 2015) set the Chemistry section of science exhibition of S.P. Pune University of Science day (28.2.15)

19. SWOC analysis of the department and Future plans:

S : Qualified and motivated staff

Well equipped laboratories

W : Average percent marks of students at the entry point (F.Y. B.Sc.) are low.

O : To establish high through quality teaching

To start application oriented add on course.

C : To orient academically weak students to develop understanding in the subject of study.

**Chemistry Department:**

Chemistry Department is one of the big departments in the college having about one thousand junior wing students, five hundred U.G. students and hundred P.G. students studying under its umbrella with the help of about forty full time and visiting teaching and non teaching staff. Prof. S. R. Pokharkar, after completing his service of thirty six years in this college with the last seven years as the Head of this department retired on 30th Sept. 2014. The department was benefited during his tenure by his sound knowledge in the subject and meticulous administration. The college authorities put the responsibility of Headship on the shoulders of Dr. (Mrs.) S. D. Joag on 1st Oct. 2014.



## Activities for the students:

### 1. CHEM-MODERN COMPETITIONS:

**A. Chemistry Quiz Competition: (20th Jan. 2015) Organizing Committee:** Students : Ms. Ashwini Kambale, Ms. ShitalKalgankar, Ms. Neha Muley, Ms. Manasi Sabaneand Mr. Vijay Sangale. (T. Y. B. Sc Chemistry)Staff Members :Dr.(Mrs.) Manisha Nigudkar,Prof.(Mrs.) Lalita Rane, Prof. Amol S. Warangule.The selection round was conducted by the student members of the committee in the classes F. Y. B. Sc (A & B), S. Y. B. Sc (A & B),T. Y. B. Sc (Chemistry) and M. Sc (I & II) (Analytical Chemistry) to form four teams for the final round viz. H. J. Arnkar, R.A. Mashelkar, V. N. Gowarikar and C. N. R. Rao.**The Winners were C. N. Rao team;** Mr. Akash Thorat (S. Y. B. Sc), Ms. Meenal Shukla (S. Y. B. Sc), Mr. Mangesh Shinde (T. Y. B. Sc), Mr.Lav Chaskar (M.Sc I), Mr. Sanskaar Gujar (M.Sc.II)

**B. Poster Competition: (21st Jan. 2015) Organizing Committee:** Prof. R. M. Jagtap,Prof. A. S. Warangule, Dr. (Ms) Kunda Gaikwad. Themes for the posters: \_ Drug Development \_ Fuel and Renewable fuel sources \_ Catalysis \_ Forensic Analysis \_ Natural Products \_ Bioremediation\_ Nuclear Chemistry \_ Explosives \_ Modern Analytical TechniquesTotal Participation : U.G. - 22 posters (60 students),P.G. - 13 posters (35 students). Judges : Dr. (Mrs) Sangita Bhagat, Head, Biotechnology, Modern College, Pune 5. Prof. N. R. Dhatri, Dept. of Chemistry, SPPU. Results : U. G. Section 1st Prize-Pratik Londhe, Dattatray Malgunde, Ajit Mundhe, Ajay Dixit (T.Y.B.Sc.) 2nd Prize : Amol Sul, Prasad Walunj, Yogita Thorat, Ankita Bobade (T.Y.B.Sc.) 3rd Prize - Mrunalini Kumbhar (S.Y.B.Sc.) P.G. Section1st Prize - Shailesh Gajare, Sanskaar Gujar, Prashant Kadam, Sachin Bhor (M.Sc.II)2nd Prize - Pratik Mane, Tanaji Shendage, Neelam Kurhade, Kalyani Patil (M. Sc II) 3rd Prize - Priyanka Choudhari, Priyanka Nadgauda, Reshma Ballal, Amrita Yadav (M. Sc II) C.

**Exhibition Competition: (21st Jan. 2015) Organizing Committee:** Dr. (Mrs) S.D. Joag, Prof.(Mrs.) P. B. Suryavanshi, Prof. Manisha Kashid, Prof. Tejal DolasTotal Participation : U.G. - 14 exhibits (44 students), P.G. - 09 exhibits (28 students) Judges : Prof. S. R. Pokharkar, Ex-Head, Department of Chemistry. Prof. N.R.Dhatri, Dept. of Chemistry, SPPU. Results : U. G. Section1st Prize - Priti Tambe, Shweta Gargote, SonaliPharate, Pratik Shinde, Ashutosh Shirsat. (F.Y.B.Sc.) 2nd Prize - Mayur Gavhane (T. Y. B. Sc, Maths.) 3rd Prize - Mangesh Shinde, Rupesh Shinde, Mangesh Pacharane, Rupesh Dhumal (T.Y.B.Sc.) P.G. Section1st Prize - Amar Suryavanshi, Ajinkya Kombkar, Hiranman Dabhade, Tejas Kokane (M.Sc.I) 2nd Prize - Ashwini Sherikar, Payal Pawar, Sonali Shinde, Pranit Jadhav, Niket Karvande (M.Sc. I) 3rd Prize - Vinod Nimbalkar, Sushant Kudale, Abhijit Bandgar (M.Sc.I)

### 2. INTER COLLEGIATE ACTIVITIES:

**A. Science Park Exhibition : 28th Feb. 2015** 'Science Park Exhibition' was a very big event at SPPU, Pune, on Science Day. Vice Chancellor Dr.Wasudev Gade inaugurated the Science Park which housed a very large number of exhibits giving live demonstrations of scientific principles. The Chemistry Section of the Science Park was entirely set up by about twenty students of our college under the guidance of Dr. Sushama D. Joag.

**Student Participants:** \_ Atomic Emission :Amar Suryavanshi and Vishal Khair (M. Sc. I)\_ Electrochemical Cell :Atul Bokase, Luv Chaskar, Vaibhav Gavane and Amit Borse (M.Sc.I)\_ Universal Indicator :Payal Pawar and Supriya Kale (M. Sc. I)\_ World of Chirality :Yasmin Momin, Komal Suryavanshi, Pranali Bagul, Jaylaxmi Swamiand Akshata Hajare (M. Sc. I)\_ Crystal Structure Models : Priti Tambe, ShwetaGargute, Sonali Pharate, Pratik Shinde, Ashutosh Shirsat (F.Y.B.Sc.)\_ Secrets of Back stage : Mayur Gavane and Amol Patil (T.Y.B.Sc.)\_ Blushing Doll and Spray Writing : Vinod Nimbalkar, Sushant Kudale Abhijit Bandgar (M.Sc.I)

**B. Lecture Competition:** 1. Ms. Amrita Yadav - M.Sc. II - 2nd Prize 'H. J. Arnkar Lecture Competition' organized by Department of Chemistry, SP Pune University,Pune on 21st Feb. 2015.1st Prize - 'T. R. Ingale State level Lecture Competition' organized by S. P. College, Pune on 3rd March 2015. 2. Mr. Sanskaar Gujar - M.Sc. II - 1st Prize' Dr. M. J. Pujari Lecture Competition' organized by Abasaheb Garware College, Pune on 3<sup>rd</sup> March 2015. The guidance provided by Prof. R. M. Jagtap to the all participants was very valuable.



3. **EDUCATIONAL / INDUSTRIAL VISITS:** (i) Educational Visit to Central Instrumental Facility, Department of Chemistry, SPPU, Pune on 6th Feb. 2015. Organizer: Dr. Kunda Gaikwad No. of students participated : 38 students from M.Sc II. Accompanying teachers : Dr. M. T. Nigudakar, Mrs. L. B. Rane and Ms. M. J. Kashid (ii) Industrial Visit to Jubliant Life Sciences, Neera. Organizer: Dr. Kunda Gaikwad No. of students participated : 47 students from M. Sc I & II. Accompanying teachers : Dr. M. T. Nigudakar, Mrs. L. B. Rane and Ms. M. J. Kashid.

# Department of Computer Science

1. Name of the department : Department of Computer Science
2. Year of Establishment : 1996
3. Names of Programmes :

## Courses Offered

### Under Graduate Courses

Sr.No.	Degree	Class FacultyEligibility
1	B.Sc.(Comp. Sci.)	FY/SY/TY B.Sc.(Comp. Sci.) Science HSC Passed
2	B.Sc. (Animation)	FY/SY/TYB.Sc. (Animation) Science HSC Passed

### Post Graduate Courses (Choice Based Credit System)

Sr.No.	Post- Graduation Subject	Degree	Faculty	Eligibility
1	Computer Science	M.Sc.(CS)	Science	BCS or EquivalentBE Computers
2	Computer Science	M.C.A.(Sci.)	Science	Science Graduates Mathematics at HSC level is desirable

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

Sr.No.	Degree	Class	Faculty	Pattern
1	B.Sc.(Comp. Sci.)	FY B.Sc.(Comp. Sci.)	Computer Science	Annual,Non-credit System
2	B.Sc.(Comp. Sci.)	SY, TY B.Sc.(Comp. Sci.)	Computer Science	Semester,Non-credit System
3	B.Sc. (Animation)	SY/TY.B.Sc.(Animation)	Computer Science	Semester,Non-credit System

Sr.No.	Post- Graduation Subject	Degree	Faculty	Pattern
1	Computer Science	M.Sc.	Science	Choice Based Credit System, Semester
2	Computer Science	M.C.A.	Science	Choice Based Credit System, Semester

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

Department does provide technical support to the workshops, seminars and conferences organized by various other departments in the college.

Many teachers helped other departments in conducting computer related courses as a visiting lecture or guest lecture.

- Prof. A. V. Sathe has conducted sessions for Mathematics department on topics related to Data Structures. He also has contributed to some courses of Electronics Department on topics related with Networking.



- Prof. A. V. Sathe, Prof. Mrs. Anjali Sardesai, Prof. Mrs. Manisha Suryawanshi, Prof. Mrs. Shweta Khadse, Prof. Sanjay Mahajan and Prof. S. S. Deshmukh has conducted various courses for BCA and MCA(Commerce) programme run by commerce department
- Prof. Mrs. Manisha Suryawanshi has delivered sessions on IT and Internet to various students belongs to different departments.
- Prof. Kiran Kulkarni has conducted computer awareness course for Biotechnology and Agri-Biotech.

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

Department assist in special course conducted by Quick-Heal technologies for students of various colleges namely "QH-Connect". Seminars, presentations and lectures of the expert are arranged in this activity and trained students are absorbed by Quick Heal Technologies, Pune.

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

We have consistent and good strength for all courses in our department.

Number of Teaching posts

Posts	Sanctioned	Filled
Asst. Professors	24	18

**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 PHD
Prof. Shamkant S. Deshmukh	M.C.S.	Head	Computer Science	20	
Prof. Mrs. Manisha S. Suryawanshi	M.C.S., M.Phil	Asst. Professor	Computer Science	20	
Prof. Mrs. Sangeeta S. Raut	M.Sc. ADCSSA	Asst. Professor		18	
Prof. Mrs. Madhuri S. Ghanekar	B.Sc. Applied, M.C.M.	Asst. Professor		16	
Prof. Abhijit V. Sathe	M.C.S.	Asst. Professor	Computer Science with Specialization in Scientific Computing	16	
Prof. Mrs. Shilpa R. Dange	M.C.A., M.Phil	Asst. Professor	Computer Science	13	Pursuing
Prof. Mrs. Anjali S. Sardesai	M.C.S., SET, NET	Asst. Professor	Computer Science	13	Pursuing
Prof. Mrs. Vaishali C.Bhoite	M.Sc., SET	Asst. Professor	Computer Science	13	
Prof. Mrs. Kalyani Salla	M.C.S., M.Phil.	Asst. Professor	Computer Science	11	Pursuing
Prof. Mrs. Shweta Khadse	M.Sc., NET	Asst. Professor	Computer Science	13	
Prof. Sanjay Mahajan	M.Sc.	Asst. Professor	Computer Science	10	
Prof. Mrs. Sheetal Patil	M.C.S., SET	Asst. Professor	Computer Science	6	
Prof. Mrs. Sonali Vetal	M.C.S.	Asst. Professor	Computer Science	5	
Prof. Mrs. Supriya Shinde	M.C.A.	Asst. Professor	Computer Science	4	
Prof. Mrs. Jigisha Pawar	M.Sc., SET	Asst. Professor	Computer Science	3	
Prof. Mrs. Sonali Deshmukh	M.C.S., SET	Asst. Professor	Computer Science	8	
Prof. Kiran Kulkarni	M.C.A.	Asst. Professor	Computer Science	5	



Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: 20%  
Student-Teacher Ratio (programme wise)

Sr.No.	Degree	Class	Total Students	Total Teachers	Ratio
1	B.Sc. (Comp. Sci.)	FY/SY/TY B.Sc. (Comp. Sci.)	480	20	24:1
2	B.Sc. (Animation)	FY/SY/TYBSc	40	4	10:1
3	M.Sc. (Comp. Science)	I/II	120	6	20:1
4	M.C.A. (Science Faculty)	I/II/III	180	9	20:1

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

Sr. No.	Name of the Instructor	Qualification	Experience (Years)
1	Shri.Dalvi Balasaheb	Lab Assistant	28
2	Shri. Barge Rajendra	Lab Attendant	22
3	Shri. Mahalim Chandrakant	Lab Attendant	22
4	Shri. Pawar Ramdas	Lab Attendant	21
5	Shri. Aniket Pisal	Lab Attendant	4
6	Shri. Shinde Sanjay	Lab Attendant	4

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

- Ph.D. Appeared – 03
- M.Phil. – 03
- SET/NET – 06
- PG – 18

Publications:

a) Publication per faculty

- Prof. Kalyani Salla, 2012, "Efficacy of selected Softcomputing techniques in Ranking of sites for Industrial Installations", Proceedings of World Conference on Softcomputing, pp-250-257  
Paper received "Certificate of Merit"
- Prof. Anjali Sardesai, 2012, "Initial Screening of Gynecological Diseases in a Patient, Expert's Knowledgebase and Fuzzy Set Theory: A Case Study in India" Proceedings of World Conference on Softcomputing, pp-258-261  
Paper received "Certificate of Merit"
- Prof. Madhuri Ghanekar, 2012, "SYMCOMP: A Simple tool for Researchers for understanding and verifying Algebraic Expressions" Proceeding of the International Conference
- Prof. Shilpa Dange, 2013, "Implementation of RSA Algorithm using Mersenne Prime", International Journal on Networking and Parallel Computing, pp 33-37
- Prof. Anjali Sardesai, 2012, Softcomputing for M.Sc. –II, Vision Publications
- Prof. Kalyani Salla presented paper and won cash prize in the National Conference on Emerging Trends in Soft Computing organized by N. Wadia College, Pune.

- Prof. Kalyani Salla presented paper in the National Conference on in Soft Computing organized by Sinhgad Engineering College, Pune.

Name of Teacher	No. of Papers Published (National Journal)	No. of Papers Published (International Journal)
Prof. Mrs. Kalyani Salla	1	2
Prof. Mrs. Anjali Sardesai		1
Prof. Mrs. Madhuri Ghanekar	1	
Prof. Mrs. Shilpa Dange		1

#### Areas of consultancy and income generated

Informally many of our staff members have guided and helped to set up laboratories of newly established colleges under the purview of university.

Faculty as members in Editorial Board

- A) Prof. S. S. Deshmukh working as a convener of the editorial board of DNYANMAY

multi-disciplinary research Journal published by Progressive Education Society, Pune. It is having ISSN No. 2395-6898 and RNI MAHBIL07169.

**Student projects:** As a part of curriculum students of SYBSc.(CS), TYBSc.(CS), M.Sc.(CS) and MCA(Science) are working on live projects. M.Sc.(CS) and MCA(Science) students are having full time industrial training project in the last semester.

- Percentage of students who have done in-house projects including inter departmental / programme:  
Approximately 50% students are doing their project on the campus. Adequate infrastructural and computational facilities are made available to the students to develop project.
- Percentage of students placed for projects in organizations outside the institution i.e.in  
Research laboratories/Industry/ other agencies

Seminars/Conferences/Workshops organized and the source of funding

Year	Seminars/ Workshops	Funding
2013	2	Self
2012	1	Self
2011	1	BCUD and University of Pune
2010	1	BCUD and University of Pune



#### Student Profile Programme/Course wise

Name of the Course/Programme (Refer to Q. No. 4)	Applications Received	Selected	Enrolled Male	Enrolled Female	Pass Percentage
B.Sc.(Computer Science)	1093	176	85	91	68%
M.Sc.(Computer Science)	850	66	35	31	72%
MCA(Science)	560	60	32	28	77%

#### Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Sc.(Computer Science)	95	4	1
M.Sc.(Computer Science)	95	5	
MCA(Science)	95	5	

#### Student Progression

Student progression	Against % enrolled
UG to PG	70%
PG to Mphil	01%
PG to Ph. D	05%
Ph.D to Post Doctoral	-
<b>Employed</b> ● Campus Selection ● Other than Campus Recruitment	80%15%
Entrepreneurship / Self-Employed	02%

#### Details of Infrastructural facilities

- Library**  
Separate library is available for each course in the department.
- Internet facilities for Staff & Students**
  - 10 Mbps separate leased line available for students and teachers.
  - Student's can access internet from each and every machine in laboratory.
- Class rooms with ICT facility**
  - Two digital classrooms are available for the students
  - Each classroom contains Projector and internet facility
- Laboratories**

Separate laboratories are available for B.Sc. Computer Science, B.Sc. Animation, M.Sc. Computer Science and M.C.A. (Science Faculty)

Following are the details of the computers available in all laboratories:

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



#### Laptops

Sr.No.	Particular	QTY
1	Compaq, Lenovo, Dell Laptops	10
	<b>Total</b>	<b>10</b>

#### Backup Facilities

Sr.No.	Particular	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.	Particular	QTY
1	Fire Extinguishers	4
	<b>Total</b>	<b>4</b>

#### Printers

Sr.No.	Particular	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.	Particular	QTY
1	8085 Microprocessor Kit	26
	<b>Total</b>	<b>26</b>

**Mobile Phones**

Sr.No.	Particular	QTY
1	Nokia N 72	1
2	Nokia E51	1
	<b>Total</b>	<b>2</b>

**Projectors**

Sr.No.	Particular	QTY
1	Optoma DLP projector	5
2	Sony ELP Projector	1
3	NEC projector	1
	<b>Total</b>	<b>7</b>

**Air Conditioners**

Sr.No.	Particular	QTY
1	Airtemp Air conditioner	4
2	Blue Star AC	2
3	Airtemp Air conditioner	4
4	LG Airconditioner	1
	<b>Total</b>	<b>11</b>

**Licensed Software's**

Sr.No.	Particular	QTY
1	Visual Basic A.E	1
2	Visual C++ A.E	1
3	Windows for Workgroup	1
4	Ms office 4.2 with foxpro	1
5	Lotus 123 upgrade to 3.4	1
6	Sco-unix 16 users cross upgrade	1
7	Quickheal	1
8	Novell Netware 25 users 4.11	1
9	Novell Netware 25 users Small business	1
10	Quickheal Antivirus 3 yrs	100



11	Quickheal Antivirus 3 yrs	20
12	Microsoft Windows XP Professional	1
13	Red Hat Enterprise Server Edition	1
14	Red Hat Client	1
15	Quickheal Antivirus 3 yrs	5
16	Quickheal Emterprise Edition	1
17	Quickheal Desktop Edition	5
18	Quickheal Novell Ediiton	1
19	Quickheal Dos Ediiton	1
20	Mswindows NT workstation 4.0 AE	22
21	Mswindows 98 SE	5
22	Ms windows 2000 server	1
23	Ms Windows 2000 cal AE OLP	22
24	Ms Windows Office XP Pro OLP	22
25	Ms Visual Studio 6.0 Ent Olp	22
26	Oracle 7.x on Novell Platform	1
27	Developers 2000 Enterprise	1
28	Power Builder 5.0 Desktop	1
29	Novell Dos 7	1
30	Sybase NLM 8 users	1

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

- Around 90 students of the department are getting scholarships and free ships from the Social Welfare Department.
- Students are encouraged to undertake "Earn While Learn" scheme facility.
- Needy students are encouraged to work as an instructor on part time basis while pursuing their education.
- Kartikeya Rindani Scholarships is given for 5 Students every year.

Students are also encouraged to apply for various scholarships instituted by social organizations.



Joint endeavor of Rindani Family and Alumni of Computer Science Dept.

Four needy students of Computer Science Department have received Rs.15,000/- Scholarship to pursue their further education. On this occasion Dr. Girish Rindani, Shri. Sunil Rao (Director, Rotary International Infotech), Principal Dr. R. S. Zunjarrao and others.

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

Prize Distribution Ceremony of the Project Competition: Dr. Girish Rindani, Mr. Sunil Rao (Director, Rotary International Infotech), Principal Dr. R. S. Zunjarrao, Prof. S. S. Deshmukh and Winners.







Kartikeya Rindani Intercollegiate Programming Contest: Mr. Bhushan Nikam (TYBSc(CS), MCASC, Pune-5) receiving First Prize, KRIPC at the hands of Dr. Girish Rindani



**Poster Competition: Inauguration of Poster Competition at the hands of Hon'ble Principal Dr. R. S. Zunjarrao.**

**Poster Competition** was conducted on 14<sup>th</sup> February 2015 on the topics Encryption, Computer Graphics, Ethical Hacking, Operating System, Satellite Communication, Big Data, Distributed Computing, Robotics, Gaming, Image Processing and Artificial Intelligence. Prof. Mrs. Manisha Suryawanshi worked as a co-ordinator for this activity.





**Intercollegiate Quiz Contest** was conducted on Saturday, 14<sup>th</sup> Feb 2015 around 50 students from various colleges have participated in the contest. Prof. Mrs. Vaishali Bhoite, Prof. Sanjay Daf, Prof. Sheetal Patil and other staff members of the department have made the event a grand success.

#### ● **R.M Marathe Programming Contest**

The contest was held on Friday, 9<sup>th</sup> Jan 2015. The competition was conducted in two rounds. The first round was an objective test. The shortlisted students appeared for On-line programming competition. Forty five students participated for the Objective test and nine students were shortlisted. The prize winner was Mr. Bhushan Nikam (T.Y. B.Sc (Computer Science)) Prof. Madhri Ghanekar worked as the co-ordinator for this programming contest

#### ● **SEMINARS**

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

#### **Activities and support from the Alumni:**

- Past students have supported in **placement of current batch** students in the reputed IT Industries and in offering training programmes.
- **Project guidance** is made available from Alumni to the students in the form of lectures, project guidance and by conducting counseling sessions.
- **Group Discussion and Seminars** Group discussion sessions of the present students were arranged and seminar sessions of past students are arranged on every Saturday on different topics.
- Active participation in organizing "Kartikeya Rindani Intercollegiate Programming Contest-2015"
- **Mock Interviews** were conducted by the past students who are working in reputed IT industries for the current batch students to face the challenges of present competitive world and to make them mentally prepared for the competition.





#### Mock Interviews:

- **Pride Alumni of Computer Science Department:**

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

Staff achievements

- Prof. Mrs. Anjali Sardesai appointed as Member, on ad-hoc Board of Studies for B.Sc.( Animation) course of Savitribai Phule Pune University, Pune-7.
- Prof. Abhjit Sathe worked as a Resource Person at the BCUD sponsored Workshop for MCA(Science) Syllabus Restructuring and Implementation held at Fergusson College in the month of March 2015.
- Following staff members have published research papers in the National Level Seminars/Conferences and Workshops.

Prof. Mrs. Anjali Sardesai

Prof. Mrs. Kalyani Salla

Prof. Mrs. Shilpa Dange

Student achievements and awards:

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

Placement Service provided to the students:

- Department of Computer Science has a **Placement Cell** and runs placement activity through a Placement Cell for Post-Graduate Students and Under-Graduate Students. Prof. Manisha Suryawanshi has been working as a Placement Co-ordinator and Chairperson of the Placement Committee for the placement activity under her able guidance 92% of students from the Post-Graduate Wing (M.Sc.(Computer Science), MCA) are placed in reputed organizations.

- All teaching and non-teaching staff members of the Department provided necessary support in smooth conduct of this activity. Under Graduate students are also placed in reputed software companies.

#### **Any other relevant information:**

- Staff members had taken active participation in the on line admission process of B.Sc. (Computer Science), MCA and M.Sc.(Computer Science) courses.
- A committee was constituted for conducting M.Sc. (Computer Science) and MCA Entrance Examinations 2015. Dr. G.R. Ekbote (Chairman, P.E. Society) Prof. P. S. Chirputkar (Chairman, LMC), Dr. A. K. Pande (Chairman, LMC), Prof. Mrs. Jyostna Ekbote (Chairperson, LMC) Principal Dr. R. S. Zunjarrao (Chairman of the Entrance Examinations Committee) provided necessary guidance and administrative support in organizing the entrance examinations smoothly.

#### **Teaching methods adopted to improve student learning**

- On-line Demonstration
- Seminars and presentations by the students
- Book Reviews
- Additional slots are allotted to carry out practical work
- On-line tests
- Mock Interviews
- Open Book Tests/Surprise Tests
- Workshops, Seminars and Guest Lectures are arranged
- Students are asked to prepare for MCQ's
- Tests on Analytical Ability and Logical Reasoning
- Remedial Teaching
- Personality and soft skill development workshops are arranged.

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

- Needy students are helped by the students and past students
- Books are donated to the needy students
- Students are taking active participation in Blood Donation Camps, Pulse Polio Abhiyan, Aids Awareness Campaign, Traffic Awareness Programme
- Students have taken active participation in NSS and NCC activities
- Students of the department worked as volunteers during Ganesh Festival, Navaratri, Palkhi Sohala and Common Wealth Games

SWOC analysis of the department and Future plans:

#### **Strengths:**

1. Stable and dedicated teaching and non teaching staff members
2. Infrastructural and Computing facilities
3. Branding/Name
4. Centralized location
5. Utmost care of the admitted students



6. Representation of staff on University in different capacities

**Weakness:**

1. Use of mother tongue is to be avoided. Communication (Formal/informal) with the students should be in English.
2. There is always gap to adopt new technologies and changes happening in the ICT sector.  
This has to be minimize.

**Opportunities:**

1. Pune being IT hub greater opportunities are there to the students from the placement point of view.
2. Students are supposed to avail infrastructural and computing facilities
3. Expertise are easily available and accessible
4. Ample exposure to the students to work on live projects

**Challenges:**

1. Ups and downs in the It sector
2. To maintain pace of changing technologies
3. Legal Issues
4. Fluctuations in the share markets/ stock exchange
5. Uncertainty of the field
6. Non acceptance, adoptability of projects other risks
7. Varied and specialized options from the career point of view.

**Future Plans:**

- Effective implementation of Choice Based Credit System to maintain pace of changing technology
- Continuous evaluation and performance monitoring
- Timely up-gradation in the infra structural and computing facilities
- Inclusion of soft skills and personality development activities on regular basis
- Encouragement to the staff members to pursue M.Phil, PhD and for research work
- More exposure to the students to assist in research work.
- Staff members are to be motivated and encouraged to undergo training programmes.

**Activities :**

Department of Computer Science is established in year 1986. Initially it has started one of the prestigious course of Savitribai Phule Pune University namely BCS (Bachelor of Computer Science). By seeing the academic results, infra structural and computing facilities which are made available to the students authorities of the Savitribai Phule Pune University has granted permission to start MCS(Master of Computer Science) course from the academic year 1994. Savitribai Phule University has announced MCA (Science) course immediately college has started this course from the academic year 2006-07. University authorities have changed the nomenclature of BCS and MCS courses respectively as B.Sc.(Computer Science) and M.Sc.(Computer Science).

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

Our students are in the field of Computer Science and Applications. Their entry for the course is on the basis of merit. At the undergraduate level their performance at HSC (Science) with mathematics as compulsory subject is the criteria for the admission. At the postgraduate level their performance at the B.Sc. (Computer Science) degree and performance of the entrance examination is the criterion for the admission for the M.Sc. (Computer Science) course and MCA (Under Science Faculty). Recently, University of Pune and Govt. of Maharashtra has accorded permission to start B.Sc.(Animation) course.

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

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

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

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

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

Activities conducted during the year:

- Kartikeya Rindani Intercollegiate Programming and Quiz Contest
- R.M Marathe Programming Competition
- Poster Competition
- Project Competition
- Paper Presentation Competition
- Placement Activity
- Seminars
- Workshop
- Group Discussion
- Mock Interview



## Department of Electronic Science

1. Name of the Department : Department of Electronic Science
2. Year of Establishment : Under Graduate : 1985  
Post Graduate : 1993
3. Names of programmes : Undergraduate : 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 :
5. Annual / semester / choice based credit system (programme wise) :

Undergraduate	B.Sc. Electronic Science B.Sc. Electronics (Vocational)	Annual for first Year Semester for S.Y.,T.Y.
Post Graduate	M.Sc. Electronic Science	Choice Based Credit system Sem I to IV
Research	Ph.D. Electronic Science	

6. Participation of the department in the courses offered by other departments :  
M.C.A. Science : Embedded System  
M.Sc. Chemistry :
7. Courses in collaboration with other universities, industries, foreign institutions, etc. :  
B.Tech . Yashvantrao Chavan Maharashtra Open University, Nashik
8. Details of courses / programmes discontinued (if any) with reasons : -
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 are working Under guidance for the last 4 years
S. R. Chaudhari	M.Sc.M.Phil	Associate Professor	M.Sc. Physics M.Phil. Electronic Sc.	28	-
D. B. Gaikwad	M.Sc. A.D.C.S.S.A.	Associate Professor	Electronic Sc.	28	-
B. B. Yenage	M.Sc. A.D.C.S.S.A.	Associate Professor	Physics	28	-
T. B. Sonawane	M.Sc. SET	Assistant Professor	Electronic Sc	12	-
T. R. Kumbhar	M.Sc. SET	Assistant Professor	Electronic Sc	06	-
M. R. Bodke	M.Sc.	Assistant Professor	Electronic Sc	14	-
A. V. Kamble	M.Sc.	Assistant Professor	Electronic Sc	19	-
P. S. Varade	M.Sc. SET	Assistant Professor	Electronic Sc	18	-
R. V. Vidap	M.Sc.	Assistant Professor	Electronic Sc	15	-
Ameeta A. Kulkarni	M.Sc.	Assistant Professor	Electronic Sc	13	-
V. A. Chaudhari	M.Sc., NET	Assistant Professor	Electronic Sc	02	-
G. M. Tarate	M.Sc. NET	Assistant Professor	Electronic Sc	08	-
U. N. Kothavade	M.Sc.	Assistant Professor	Electronic Sc	05	-

11. List of senior visiting faculty :

1.	Dr. U. N. Hivarkar	Asst. Research	IGATE
2.	Dr. A. D. Shaligram	Professor and Head of the Deptment Electronic Science	Savitribai Phule Pune University

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

Undergraduate : 5%

Post Graduate : 10 %



13. Student-Teacher Ratio (programme wise) :

Undergraduate 1:44

Post Graduate 1: 16

FYBSc 80

FYBCS 180

MSc 48

SYBSC 36

SYBCS 160

TYBSC 24

$80+36+24+180+160=480/11$

48/3

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

	Sanctioned	Filled
Lab Assistant	01	01
Lab. Attendant	06	06
Peon	00	00

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

Ph.D. : 00 M.Phil. 01 P.G. : 12

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

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

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

Sr. No	Name of the project	Year	Name of Principal Investigator	Name of Co-investigator	Major/ Minor	Funding Agency	Amount Sanctioned
1	Synthesis of Conducting polymers and study feasibility in Silicon device technology.	1995-97	Dr. S. A. Deuskar	Dr P. D. Kulkarni (Chemistry)	Minor	UGC	Rs. 1,51,000/-
2	Development of educational model to promote basic sciences as a career with special reference to electronic science discipline.	2001-03	Dr S. A. Deuskar	Dr. A. D. Shaligam	Major	UGC	Rs. 5,51,000/-
3	Fabrication of prototype of LDR using Photolithography	1994-95	Dr S S Ghaisas	Prof. S R Chaudhari	Minor	UGC	Rs. 30,000/-
4	Development of datalogger for automatic weather station.	1995-96	Prof S S Thengadi	Prof B B Yenge	Minor	UGC	Rs. 37,000/-
5	Development of Microcontroller Based Drip Irrigation system	1999-01	Prof D B Gaikwad	Prof. A. V. Kamble	Minor	UGC	Rs. 34,000/-
6	Development of low cost electronic prototypes for chemical measurements	2001-03	Prof B B Yenge	Prof. S. S. Thengadi Prof. M.G. Faras	Minor	UGC	Rs. 20,000/-
7	Feasibility Study of Phased Array fed Antenna	2003-04	Prof A V Kamble	Prof. R. V. Vidap Prof. P.S. Varade	Major	ISRO	Rs. 1,60,000/-
8	Establishment of Mini-observatory for Educational purpose	2007-09	Prof D B Gaikwad	Prof. P. S. Varade	Minor	BCUD, University of Pune	Rs. 1,00,000/-



9	Antenna Tracking System	2007-09	Prof A. V. Kambale	Prof. T. B. Sonawane, Prof. R.V. Vidap	Minor	BCUD, University of Pune	Rs. 1,00,000/-
10	Effect of RF radiation on plant growth	2008-10	Prof. R.V. Vidap	Prof. A. V. Kamble	Minor	BCUD, University of Pune	Rs. 1,00,000/-.
11	"Modeling, Simulation and experimental study of Fiber Optic Tilt Sensors and their applications"	2009-11	Prof . S. R. Chaudhari	Prof D. B. Gaikwad	Minor	BCUD, University of Pune	Rs. 2,50,000/-
12	Design Development	2013-15	P. S. Varade		Minor	BCUD University of Pune	1,90,000/0

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

Post Graduate Research Centre in Electronic Science Recognized by Savitribai Phule University, Pune - 411007 (Maharashtra)

19. Publications :

A) Paper presented in conferences (National / International / State)

Sr. No.	Title of Conference/Seminar	International /National/ State/ Regional	Title of Abstract/ paper	Whether published Book/ Paper/ Proceeding /Journal	ISSN-SBN	If proceeding/ Journal give details on separate page	Name of Author	Co-Author	Department	Faculty
1	National conference on Material Science and Technology	National Dec 23rd and 24th 2014	Different property studies on ZnO quantum dots synthesized by Sol-Gel Auto Combustion Route	Yes in Journal	2393-8188 & 2393-8196 Drive	Journal of Advances in Applied Sciences and Technology Dec 2014 Vol. 1 *Issue 2 PP 147-149 2012	Bodke M. R	Gaikwad H. K Sonawane T.B.	Electronic Science	Science
2	Electronic Science	Science	International	2278 - 0181	SMS Controlled Smart e-Notice Board	International Journal of Engineering Research Technology (IJERT) Vol.2 Issue 11, November 2013	Nanaware R.A.I. Bharat Sanchar Nigam Limited Satara	Sonawane T.B. <sub>2</sub> Modern College Shivajinagar Pune	No	1.76



3	Electronic Science	Science	International	2278 - 0181	ZigBee Based Data Acquisition System to Monitor Heater Temperature using LabVIEW	International Journal of Engineering & Technology (IJERT) Vol.3 February-2014	Asst. Prof. Sonawane Tanaji B. Department of Electronic Science Modern College, Shivajinagar Pune, Maharashtra India	Mr. Nanaware Ravindra A. Bharat Sanchar Nigam Limited, Satara, Maharashtra India	No	Still council counting
4	Electronic Science	Science	International	0075 - 833x	EFFECT OF ANNEALING TEMPERATURE ON STRUCTURAL AND OPTICAL PROPERTIES OF ZNO NANOPARTICLES SYNTHESIZED BY SOLGEL-COMBUSTION ROUTE	International Journal of Current Research Vol. 6 Issue 12 pp.10413-10419, December, 2014	Bodke M.R.	Gaikwad H.K. Sonawane T.B.	No	5.34

5	Electronic Science	Science	National	0975 - 1165	A Comparative study of PID and Fuzzy logic controller using MATLAB Simulink for Water Tank System	Rayat Shikshan Sanstha, Satara Karnaveer Vidyapra bodhini TRAJECTORY, Vol. 19, No. 1 Jan-June 2011 pp.	Sonawane T.B.	Nil	No	-
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B) Papers published in Research Journals. (National, International, Conference, Proceedings, June 2010 to April 2015)

Sr. No.	Department	Faculty	Type of Journal International/ National	ISSN - ISBN No.	Title of Papers	If proceeding/ Journal give details on separate page	1st Author	Co-Authors	If any student is Author No	Impact factor of Journal	SNIP	SJR	h-Index	Citation on Index
1	Electronic Science	Science	International	0975 -888	dsPIC based SPWM controlled Three Phase Inverter Fed Induction	International Journal of Computer Application Volume 47- No. 16, June	Sandip A. Waskar Department of Electronics Technology Shivaji University	U.L. Bombale, Ph.D. Dept. of Electronics Technology, Shivaji University		0.821				



- a) Publication per faculty : -

Sr.No.	Name of Faculty	Papers Published
1	Bodke M.R., T. B. Sonavane	
2	M. R. Bodke	
3	M. R. Bodke	
4		
5		

- Number of papers published in peer reviewed journals (national / international) by faculty and students :
  - 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.): -
  - Monographs: -
  - Chapter in Books: -
  - Books Edited : -
  - Books with ISBN / ISSN numbers with details of publishers: -
  - Citation Index: -
  - SNIP: -
  - SJR: -
  - Impact factor: -
  - h-index: -
20. Areas of consultancy and income generated: -
21. Faculty as members in  
a) National Committees b) International Committees c) Editorial Boards.... :
22. Student Projects  
a) Percentage of students who have done in-house projects including inter departmental / programmes: - 80%  
b) Percentage of students placed for projects in organizations outside the institution i.e. in Research laboratories / Industry / other agencies: - 20%
23. Awards / Recognitions received by faculty and students: -

Faculty		
1	B.B.Yenage	Captain NCC
2	A.V. Kamble	NCC
3	P. S. Varade	Best NSS officer by SPPU
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 Uppadhyay	Senior Research Associate, IIT Mumbai
20	Mr. Avinash Shingte	M.Phil., Asst. Professor, Indira College of Commerce and Sc.
21	Mrs. Jyoti Shrote	SET, Asst. Professor, College of Commerce and Science, Pune
22	Dr. Harshad J. Gelada	B.Ed., Ph.D. Asst. Professor, Sinhgad College of science,
23	Ms. Shruti Deshmukh	Asst. Prof. in Electronics, Sinhgad College of Science.
24	Ms. Jayashri Bangali	M.Phil., Asst. Professor, Kaveri College of Science and Commerce
25	Mr. Anand Buddhikot	M.Phil., Asst. Professor, Kaveri College of Science and Commerce
26	Mrs. Poonam R Kadam	Lecturer, Abasaheb Garware College, Pune
27	Mrs. Meghana Palkar	NET, Asst. Professor, Abasaheb Garware College, Pune
28	Mrs. Archana Apte	SET, Lecturer, Modern College Pune-5
29	Mr. Walunj Madhukar B.	SET., Lecturer, Abasaheb Garware College, Pune



30	Mrs.Misar Medha S	SET, Asst. Professor,B R Gholap College, Sangavi
31	Mr Varade Prabhakar S.	SET, Asst. Professor,Modern College Pune-5
32	Mrs. Hailkar Pallavi B.	SET., Assistant Lecturer, MIT ASC, Alandi
33	Mrs.Shaikh Atiya Irfan	SET., M.Phil, Assistant Professor, Abeda Inamdar College, Pune
34	Mrs. Kishori Kasat	M.B.A., M.Phil, NET, Lecturer, Symbiosis college of Arts & Com.
35	Mr. P. K. Shinde	NET-JRF, Assistant Professor, Sangamner College
36	Mr. Kurne Inamdar Faizahmed Hamid	Asst. Professor, Head DOES, Abeda Inamdar College

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

Sr.No.	Name	Disgnation	Institute
1	Prof M B Patil	Professor	IIT, Mumbai
2	Dr. K.S.Chari	Scienctist G	DIT, New Delhi
3	Kuber Madhav	Scientist F	DIAT Pune

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

a) National: -

National Conference on Hazardous e-waste management was held on 23<sup>rd</sup> and 24<sup>th</sup> December 2013.  
BCUD Rs. 100000/-

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

b) International: -

26. Student profile programme / course wise :

Name of the Course/programme (refer question no. 3)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
<b>Undergraduate B.Sc.</b>					
2010-11	T.Y.B.Sc.-27 S.Y.B.Sc.-57	27 57	13 28	14 29	0 57.89
2011-12	T.Y.B.Sc.-27 S.Y.B.Sc.-48 F.Y.B.Sc.-76	27 48 76	13 23 53	14 25 23	51.6 0 38.5
2012-13	T.Y.B.Sc.-35 S.Y.B.Sc.-34 F.Y.B.Sc.-66	35 34 66	15 18 36	20 16 30	28.57 67.65 40.9
2013-14	T.Y.B.Sc.-27 S.Y.B.Sc.-26	27 26	13 15	14 11	

2014-15	T.Y.B.Sc.-20 S.Y.B.Sc.-37	20 37	11 15	09 22	
<b>Undergraduate B.Sc. Vocational</b>					
2010-11	T.Y.B.Sc.- S.Y.B.Sc.-	- -	- -	- -	- -
2011-12	T.Y.B.Sc.-15 S.Y.B.Sc.-	15	10	5	66.6
2012-13	T.Y.B.Sc.-13 S.Y.B.Sc.-12	13 12	8 3	5 9	46.15 91.67
2013-14	T.Y.B.Sc.- S.Y.B.Sc.-	08 05	04 05	04 00	90% 80%
2014-15	T.Y.B.Sc.-3 S.Y.B.Sc.-	04 02	04 02	0 --	100% 100%
<b>Post Graduate M.Sc. Electronic Science</b>					
2010-11	M.Sc.-2 176	26	09	17	86%
2011-12	M.Sc.-2 169	26	17	09	100%
2012-13	M.Sc.-2 134	20	12	08	95.65%
2013-14	M.Sc.-2 127	23	06	17	90%
2014-15	M.Sc.-2 107	23	08	15	100%
<b>Research Centre Ph.D.</b>					
2010-11	0	0	0	0	0
2011-12	0	0	0	0	0
2012-13	2	0	0	0	0
2013-14	8	0	0	2	0
2014-15	In process				

\*M = Male      \*F= Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
Undergraduate B.Sc.	100%	NIL	NIL
Undergraduate B.Sc. Vocational	100%	NIL	NIL
Post Graduate M.Sc. Electronic Science	100%	NIL	NIL
Research Centre Ph.D.	100%	NIL	NIL



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 :

Tarate G M	NET
Walunj M B	SET & NET
Mr. P. K. Shinde	NET
Mrs.Shaikh Atiya Irfan	SET
Mrs.Jyoti Shrote	SET
Avishree Dhere	NET

29. Student progression

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

30. Details of Infrastructural facilities

a)	Library	Departemntal e-library
b)	Internet facilities	WiFi and 24 computers with Internet
c)	Class norms with ICT facility	two
d)	Laboratories	five

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

Earn and learn From University	2
Government Scholarship	

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

Course	Duration	Batches
Embedded System Development with Hands on training using ARM processor (National Level Workshop)	20-22 October 2008.	one
State Level PLC Training Program with hands on Experience	20-24 March 2008	Two
State Level Project Competition	25 March 2008	one
Digital System Design Using VHDL Backside page Lecture Series	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 2011	one
One day college level Imagine 2012 poster competition cum presentation	25 <sup>th</sup> February 2012.	one
This two day state level workshop on Digital System Design using VHDL on CPLD board	10 and 11 February 2012.	one
Two days training program on ROBOT using 8051	5 <sup>th</sup> and 6 <sup>th</sup> January 2015	one
One day College Level Magazine 2015 Project cum poster competition	25th Feb. 2015	one

33. Teaching methods adopted to improve student learning :

- i) Use of ICT
- ii) Online examination for internal assessment
- iii) Recorded lectures, online NPTEL lectures
- iv) Home away test
- v) Think, pair & share activity
- vi) Open book Test & Discussion

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

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

35. SWOC analysis of the department and future plans :

**STRENGTHS**

- Well equipped laboratories
- Enriched reference books, e-reference material
- Research culture among the staff
- Well qualified and technically excellent teaching staff
- ICT based Laboratory / Digital Classroom
- Virtual Laboratory



## WEAKNESSES

- Poor mark level at first year.
- More time slot or availability of space to conduct extra practical guidance programs.

## OPPORTUNITIES

- To trend students with conducting certificate courses.
- To conduct more Hands on training programs
- To organize industry academia meets

## CHALLENGES

- To build confidence among students for establishing their own entrepreneurship or business
- 1 To establish research and development culture in such a way that the students will acquire positions in National /International Research Laboratories.

### Dept of Electronic Science:

The student strength of the department is about 572 during academic year 2014-15, which includes Junior, Senior and P.G. students. Recognized Post Graduate Research Centre by University of Pune in Electronic Science was established from July 2011.

[A] **Activities conducted during the year** During the academic year 2014-15 staff members prepared Students manual for practical courses. Guest lectures by eminent persons were organized. Two of the T.Y.B.Sc. Students presented research project in "AVISHKAR", project competition organized by Savitribai Phule Pune University. A group of four students successfully completed project on "e-waste management", under Yuva Sanshodhak Scheme of the college. A Project competition "IMAGINE-2015", was organized on 28th February 2015. T.Y. B.Sc. Students visited Technical expo at Sakhar Sankul.

### [B] Research, Paper Presentation by Staff Members

1. Prof. S. R. Chaudhari presented a paper in National Conference at Fergusson College on "e waste management a challenge to public health".
2. Prof. S. R. Chaudhari presented a paper in National Conference at Poona College on "Effective teaching using ICT at undergraduate education.
3. Prof. S. R. Chaudhari presented Poster paper on "Application of Advanced technology for effective teaching in Electronics" at for International Conference on "Application of Advanced Technology for Enhancing Quality of Science Education" to be organized on 26,27 February 2015, by Modern College of Arts, Science and Commerce Shivajinagar, Pune-5
4. Prof. P.S.Varade presented a paper in National Conference at Fergusson College on "e waste management a challenge to public health".

[C] **Activities & Support from Alumni.** Our Alumni student visited the department on various occasions. Particularly students from Vocational course contribute in practical training to students and Post graduate students guides the students regarding placements and technology revolutions in various fields of electronics. Many of the past students from post graduate visited on the occasion of project competition "IMAGINE-2015", on 28th February 2015.

## Department of Mathematics

1. Name of the department : **Department of Mathematics**
2. Year of Establishment : 1981.
3. Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : B.Sc. Maths., M.Sc. Maths.
4. Names of Interdisciplinary courses and the departments/units involved: N.A.
5. Annual/semester/choice based credit system (programme wise) :  
UG : Annual/semester.  
PG : Semester/choice based credit system.
6. Participation of the department in the courses offered by other departments :N.A.
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	4 Grantable 3 Non-Grantable	4 Grantable 3 Non-Grantable

10. Faculty profile with name, qualification, designation, specialization, (D.Sc./D.Litt. /Ph.D. / M.Phil. etc.,)
- 11.

Name	Qualification	Designation	Specialization	Years of Experience	Ph.D. Students guided
D. S. Mane	M.Sc.	Asst. Prof.	—	23 yrs	
A.N. Bhavale	M.Sc.Ph.D. NET	Asst. Prof.	Algebra, Discrete Maths.	16 yrs	
P.V. Gadagkar	M.Sc.NET SET	Asst. Prof.	Partial Diff. Eqns.	6 yrs	
P.M. Paratane	M.Sc.NET SET	Asst. Prof.	—	20 yrs	
N.H. Mahajan	M.Sc.M.Phil. Ph.D.	Asst. Prof.	Comp.Geo.	22 yrs	
M.S. Rane	M.Sc. NET	Asst. Prof.	—	6 yrs	
R.K. Gawade	M.Sc.NET	Asst. Prof.	—	3 yrs	



12. List of senior visiting faculty : Dr. Rahul Kitture, Prof. Mandar Datar, Prof. Mrs. Anjali Pendse, Mrs. Manjusha Joshi, Mr. Jitendra Sadangi.
13. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty : 25 lectures per week for PG, Not applicable for UG.
14. Student -Teacher Ratio (programme wise):  
B.Sc. :- 85:1  
M.Sc.:- 6:1
15. Number of academic support staff (technical) and administrative staff; sanctioned and filled : Nil
16. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG : 2-Ph.D.
17. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received : Nil
18. Departmental projects funded by DST-FIST; UGC, DBT, ICSSR, etc. and total grants received :Nil
19. Research Centre /facility recognized by the University : N.A.
20. Publications:
  - a) Publication per faculty : Nil
  - Number of papers published in peer reviewed journals (national / international) by faculty and students : Nil
  - 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.) : Nil
  - Monographs : Nil
  - Chapter in Books : Four chapters are contributed in University (SPPU) Text Book by Prof. N. H. Mahajan.
  - Books Edited : Nil
  - Books with ISBN/ISSN numbers with details of publishers : Nil
  - Citation Index : Nil
  - SNIP : Nil
  - SJR : Nil
  - Impact factor : Nil
  - h-index : Nil
21. Areas of consultancy and income generated : Nil
22. Faculty as members in a) National committees b) International Committees c) Editorial Boards.... : Nil
23. 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
24. Awards/ Recognitions received by faculty and students :  
Prof. A. N. Bhavale awarded Doctor of Philosophy(Ph.D.) in July 2014.
25. List of eminent academicians and scientists/ visitors to the department :  
Prof. M. Prakash, Prof. T.T. Raghunathan, Prof. P.P. Chikate.

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

a) National : Nil

b) International : Nil

27. Student profile programme/course wise: N.A.

28. Diversity of Students:

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B.Sc.	97	2	1
M.Sc.	100	-	-

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

30. Student progression:

Student progression	Against % enrolled
UG to PG	21%
PG to M.Phil.	Nil
PG to Ph.D.	Nil
Ph.D. to Post-Doctoral	Nil
Employed ● Campus selection ● Other than campus recruitment	Nil
Entrepreneurship/Self-employment	Nil

31. Details of Infrastructural facilities :

- Library : Not available in the department. However central library is available for the students in the college.
- Internet facilities for Staff and Students : Digital library in the college library.
- Class rooms with ICT facility : One for F.Y.B.Sc.(Science).
- Laboratories : Common Computing Laboratory.

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

33. 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 Pratishthan.
- 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.



34. Teaching methods adopted to improve student learning : Chalk and Board.
35. Participation in Institutional Social Responsibility (ISR) and Extension activities : Nil

36. SWOC analysis of the department and Future plans:

S – Teaching, Personal Counseling to the students, well qualified staff.

W – No administrative/non-teaching Staff

O – Minor/Major Research Projects, Q.I.P.

C – To start a Research Center in Mathematics

Future Plans :

- 1) To start a Research Center in Mathematics
- 2) To conduct State/ National level Workshops/Seminars.

### Department of Mathematics

#### Grant in Aid Section:

The Mathematics department is famous for its teaching in the students community. This year there are 160 students in F.Y.B.Sc.,

113 students in S.Y.B.Sc., 54 students in T.Y.B.Sc. and 540 students in F.Y.B.Com. The result of one of the subject "Discrete Mathematics" taught by Dr A. N. Bhavale is 100%.

#### Achievements of the staff:

##### I) Dr Bhavale A. N. :

1. Awarded **Doctor of Philosophy** (Ph.D.) in Mathematics on 28<sup>th</sup> July, 2014.  
**Title of the Thesis** : Enumeration of certain algebraic systems and related results.  
**Area of Research** : Discrete Mathematics.  
**Name of the Guide**: Prof. Dr B. N. Waphare.  
**Place of Research** : Department of Mathematics, University of Pune.
2. Participated and presented the paper entitled "*Enumeration of lattices in which all the reducible elements are comparable*" in **29<sup>th</sup> Annual Conference of Ramanujan Mathematical Society(RMS)** held at Indian Institute of Science Education and Research(IISER), Pune during 23<sup>rd</sup> to 27<sup>th</sup> June, 2014.
3. Participated and presented the paper entitled "Posets dismantlable by doubly irreducibles" in **102<sup>nd</sup> Indian Science Congress(ISCA-2015)** held at **University of Mumbai, Mumbai** during 3<sup>rd</sup> to 7<sup>th</sup> January, 2015.
4. Participated in the **Workshop on Restructuring of T.Y.B.Sc./B.A Mathematics Syllabi** organized in association with the BOS(Mathematics), sponsored by BCUD, Savitribai Phule Pune University and held at the Department of Mathematics, **Fergusson College, Pune** on 7<sup>th</sup> February, 2015.
5. Appointed as a Co-ordinator of the Department of Mathematics(UG).

##### II) Prof. P. V. Gadagkar:

1. Completed 'Refresher course in Mathematics' from Department of Mathematics, Savitribai Phule Pune University, Pune.
2. Delivered a lecture in State Level Seminar on Differential Equations conducted by New Arts, Commerce College, Shevgaon in Sept. 2014.
3. Attended a workshop on Measure theory conducted by University of Pune in July 2014.

### III) Prof. P.M. Paratane:

- 1) Attended a National Conference on 'Role of Mathematics in Science, Engineering and Technology' organized by New Arts, Commerce and Science College, Ahmednagar.
- 2) Attended 'One day workshop on Research Methodology' organized by Tikaram Jagannath Arts, Commerce and Science College, Khadki, Pune 3
- 3) Completed 'Refresher course in Mathematics' from Department of Mathematics, Savitribai Phule Pune University, Pune.
- 4) Delivered a guest lecture on 'How to prepare Mathematics subject for Board Examination' for 10<sup>th</sup> std. students in Podar International School, Chinchwad, Pune .
- 5) Worked as a member of coordination committee of 'One day workshop on Scilab'.

### IV) Dr. Mrs. Nivedita H. Mahajan

- a) Arranged a State level workshop of University teachers titled "Workshop in Scilab Programming". Coordinator of the workshop dated 30th Sept. 2014 at Modern College, Pune 5.
- b) Co-author of University text book for F.Y.BSc. (Comp.Sci.). Title: Discrete Mathematics
- c) Selected as Member, Board of Studies (Mathematics), St. Mira's College, Pune.
- d) Attended, "International conference on Algebraic Number Theory and Modular forms", conducted by Dept. of Mathematics, SPPU, dated 2-3 January 2015.
- e) Participated in "Intercollegiate one day workshop on Research Methodology and Research Project work" at T.J. College, Khadki Pune.
- f) Participated in "National Conference in Role of Mathematics in Science, Engineering and Technology" organized by New Arts, Science and Commerce College, Ahmednagar on 20-21 February 2015.
- g) Attended a meeting at IISER, Pune as a committee member for the discussion of the syllabus of the Blended BSc. Programme Australian University.

### V) Prof. Mrs. Milan Rane

Participated and completed the ICT teacher training programme in Dec 2014- Jan -2015 in Modern College, Pune 5.

**PG (M.Sc. Maths) -** M.Sc. Mathematics (non grant) course started during this academic year i.e. 2014- 15. There was an overwhelming response of students. With the help of contributory teachers (Prof. Pratul V. Gadagkar, Prof. Pooja M. Paratane and Dr. N.H. Mahajan) and visiting faculty (Prof. Anjali Pendse, Mrs. Manjusha Joshi, Dr. Rahul Kitture, Prof. Mandar Datar), we started the course successfully. Following activities were conducted for the benefit of students of M.Sc Part I :

1. 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.
2. Two eminent guest speakers- Prof. Bhambre and Dr. V. V. Acharya delivered lectures on 'Ring Theory'.
3. The students of M.Sc Part I attended a workshop on Group Theory arranged by Bhaskaracharya Pratishthan.
4. Prof. Dipali Lodh from Department of English guided the students on "How to face a Seminar"
5. The former head of the department and an eminent professor Mrs. P. P. Chikate delivered a talk focused on "Independent Study Methods"
6. 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.
7. Dr. N. H. Mahajan worked as a coordinator for the P.G. Unit of Mathematics.



## Department of Microbiology

1. **Name of the department :** Dept. of Microbiology
2. **Year of Establishment :** 2005
3. **Names of Programmes / Courses offered** (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.) : UG, PG.
4. Names of Interdisciplinary courses and the departments/units involved
5. Annual/ semester/choice based credit system (programme wise):  
UG: Annual Pattern  
PG: choice based credit system
6. Participation of the department in the courses offered by other departments: Nil
7. Courses in collaboration with other universities, industries, foreign institutions, etc. Nil
8. Details of courses/programmes discontinued (if any) with reasons: Nil
9. Number of Teaching posts

	Sanctioned	Filled
Professors	-	
Associate Professors	01	01
Asst. Professors	07	07

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 are working Under guidance for the last 4 years
Dr. Shilpa Mujumdar	Ph.D	Head	Molecular Biology, PGPR	09	
Mr. Vivek Bobade	M.Sc. NET	Asst. Professor	Biochemistry, Pharmaceutical Biology	08	
Dr. Smita Bhuyan	Ph.D, Post Doc	Asst. Professor	Molecular Biology, Fermentation Technology	07	
Ms. Sheetal Pardeshi	M.Sc. NET	Asst. Professor	Taxonomy, Fermentation Technology	05	
Mrs. Anushka Devale	M.Sc.	Asst. Professor	Immunology	07	

Mrs. Rupali Sawant	M.Sc.	Asst. Professor	Medical Biology	07	
Mrs. Madhuri Kothawade	M.Sc. NET	Asst. Professor	Biochemistry, Applied Microbiology	05	
Mrs. Shradha Bashetti	M.Sc. NET	Asst. Professor	Genetics, Quantitative Biology	04	
Ms. Kshitija Pawar	M.Sc.	Asst. Professor	Metabolism	02	
Ms. Nikita Bhonde	M.Sc. NET, SET	Asst. Professor	Applied Microbiology	02	

11. List of senior visiting faculty: Nil
12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty:
13. Student -Teacher Ratio (programme wise)
  - B.Sc Microbiology: 22:1
  - M.Sc Microbiology: 26:1
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled Academic support staff: 01 (Lab Assistant), 03 (Lab attendant)
15. Qualifications of teaching faculty with DSc/ D.Litt/ Ph.D/ MPhil/PG
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: Funded by UGC
18. Research Centre /facility recognized by the University: Nil
19. Publications:
  - a) Publication per faculty
    - Dr. Shilpa S. Mujumdar**
      1. Shilpa Majumdar, Shradha Bashetti, Sheetal Pardeshi and Reebeeca S. Thombre. Industrial applications of biosurfactant. In Industrial Biotechnology, Sustainable Production and Bioresource Utilization. Ed. Taylor and Francis group. ISBN:9781771882699
    - Dr. Smita V. Bhuyan-Pawar**
      1. Abhinay Sharma, Pratibha Gaur and Smita Bhuyan Pawar. Vaccine development based on whole cell vaccine and subunit candidates by using proteomic and genomic assays in 'Vaccines and vaccine technology' OMICS Group, ebooks, USA, 2014
      2. Smita Bhuyan, Urmila P. Jagtap, Sakshi P. Korde, Vharvari V. Gaidhani, Balu A. Chopade, Bioremediation: A Preventive Solution for Pollution - Pollution Abatement, Edited by Dr. S.N. Kaul, Dr. D.R. Saini, Dr. B.N. Rai, Er. Prateek Kaul, 01/2014: chapter Bioremediation: A Preventive Solution for Pollution pages 285-295; Daya Publishing House, ISBN:ISBN 9789351302056
      3. Smita Bhuyan, Sakshi P. Korde, Urmila P. Jagtap, Sharvari V. Gaidhani, Karishma R. Pardesi, Balu A. Chopade. Biofilms and Biosurfactants : An Environmental Perspective. Pollution Abatement



and Control, Edited by Prof. (Dr.) S.N. Kaul, Dr. D. R. Saini, Dr. B.N. Rai, Er. Prateek Kaul, 01/2014: chapter Biofilms and Biosurfactants: An Environmental Perspective: pages 265-277; Daya Publishing House, ISBN: ISBN 9789351302056

**Miss. Sheetal Pardeshi**

1. Shilpa Mujumdar, Shradha Bashetti, Sheetal Pardeshi and Rebecca S. Thombre. Industrial applications of biosurfactant. In Industrial Biotechnology, Sustainable Production and Bioresource Utilization. Eds. Taylor and Francis group. ISBN:9781771882699

**Miss. Shradha V. Boid**

1. Shilpa Mujumdar, Shradha Bashetti, Sheetal Pardeshi and Rebecca S. Thombre. Industrial applications of biosurfactant. In Industrial Biotechnology. Sustainable Production and Bioresource Utilization Eds. Taylor and Francis group. ISBN : 9781771882699
- Number of papers published in peer reviewed journals (national / international) by faculty and students: 04
- 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.): Nil
- Monographs: Nil
- Chapter in Books: 01+01(in process)
- Books Edited: Nil
- Books with ISBN/ISSN numbers with details of publishers
- Citation Index
- SNIP
- SJR
- Impact factor
- h-index
20. Areas of consultancy and income generated: Nil
21. Faculty as members in
  - a) National committees : Dr. Shilpa Mujumdar, AMI, EC member
  - b) International Committees
  - c) Editorial Boards....
22. 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

Sr.No.	Name of the scientist	Name of Institution
1	Dr. Yogesh Shouche	NCCS, Pune
2	Dr. B. B.Nath	Department of Zoology, University of Pune
3	Dr. Kamlesh Jangid	NCCS, Pune
4	Dr. Pranay Goel	IISER, Pune
5	Dr. Chetan Gadgil	NCL, Pune
6	Dr. Milind Watve	IISER, Pune

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

- a) National: 01, BCUD  
b) International: 00

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
F. Y. B.Sc Microbiology	150	50	10	40	86
S.Y. B.Sc Microbiology	40	36	05	31	90
T. Y. B.Sc Microbiology	32	32	06	26	100
M. Sc I Microbiology	200	43	13	30	100
M. Sc II Microbiology	41	41	07	34	60

\*M=Male F=Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
F. Y. B.Sc Microbiology	88	10	02
S.Y. B.Sc Microbiology	90	10	00
T. Y. B.Sc Microbiology	90	10	00
M. Sc I Microbiology	90	10	00
M. Sc II Microbiology	90	10	00

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.: 07

29. Student progression

Student progression	Against % enrolled
UG to PG	95
PG to M.Phil.	-
PG to Ph.D.	04
Ph.D. to Post-Doctoral	01
Employed	100
● Campus selection	55
● Other than campus recruitment	35
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: 02
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, animation, Review writing, Group discussion, Presentation.
34. Participation in Institutional Social Responsibility (ISR) and Extension activities: Filled MOUs with
1. Satara College of Pharmacy, Satara
  2. Nigdi College of Pharmacy, Pune
  3. National Toxicology Center, Pune
  4. Ayurved Rasshala, Pune
  5. SWOC analysis of the department and Future plans
- Strengths:
    - Well qualified and dynamic staff,
    - Well equipped labs,
    - Many research projects completed,
    - Collaboration with research institutes,
    - Frequent visits and guidance by Alumina,
    - Good Coordination between staff and students
  - Weaknesses:
    - Improvement of Campus Placement
  - Opportunities:
    - Research and Development department of Pharma and Biotech industry
  - Challenges:
    - NET/SET qualification
    - **Departmental Activities**
    - Department organized a National Conference on 'Dynamic Microbes: Role in Human Welfare' on 20<sup>th</sup> and 21<sup>st</sup> February 2015. We received a grant of Rs. 2,00,000/- from Indian Council of Agricultural Research and a grant of Rs. 2,00,000/- from BCUD, Savitribai Phule Pune University, Ganeshkhind, Pune 7 for organizing this National Conference.

#### **Dept. of Microbiology:**

##### **Departmental Activities**

Department organized a National Conference on 'Dynamic Microbes: Role in Human Welfare' on 20<sup>th</sup> and 21<sup>st</sup> February 2015. We received a grant of Rs. 2,00,000/- from Indian Council of Agricultural Research and a grant of Rs. 2,00,000/- from BCUD, Savitribai Phule Pune University, Ganeshkhind, Pune 7 for organizing this National Conference.

## Department of Physics

1. Name of the department : **Department of Physics**
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.Sc. Physics**
4. Names of Interdisciplinary courses and the departments/units involved: **Nil**
5. Annual/semester/choice based credit system (programme wise):  
**F.Y. B.Sc. – Annual, S.Y.B.Sc and T.Y.B.Sc - Semester**
6. Participation of the department in the courses offered by other departments: A course in Physics and Biophysics in **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	4	4
Asst. 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 are working Under guidance for the last 4 years
A. V. Deshpande	M.Sc.D.H.E.	Associate Professor and Head	Material Science	37	-
S. R. Wagh	M.Sc., M.Phil, ADCSSA	Associate Professor	Electronics	28	-
S. S. Thengadi	M.Sc.	Associate Professor	Applied Electronics	26	-
V. T. Shelke	M.Sc.	Associate Professor	Electronics	26	-
Nileshkumar Pardeshi	M.Sc. SET	Assistant Professor	Material science	4	-
S. S. Patil	M.Sc. Ph.D.	Assistant Professor	Material science	1	-
V. S. Waman	M.Sc. Ph.D.	Assistant Professor	Nanotechnology	1	-
S. R. Gogte	M.Sc. NET	Assistant Professor	Quantum Field Theory	1	-



11. List of senior visiting faculty: Nil

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

Practicals : F.Y.B.Sc. : 12%

S.Y.B.Sc. : 15%

13. Student -Teacher Ratio (programme wise): (Under Graduate) 29:1

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

	Sanctioned	Filled
Lab Assistant	2	2
Lab Attendant	10	10

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

Ph. D: 2

M. Phil: 1

PG: 5

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

Proposals are in Process

1. Systematic synthesis, characterization & Field emission investigations of Novel Metal Oxide nanostructures/heterostructures – Submitted to BCUD, (SPPU).
2. Dependence of Dendritic Computation on Morphology of a Neuron Submitted to UGC.
3. Development of CZTS based low cost thin film solar cells by electrochemical deposition method. Submitted to BCUD, (SPPU).
4. Study of Physical and dielectric properties of Jatropha Curcus L. fruit, nuts and kernels extract for biodiesel applications as alternative fuel - Submitted to UGC.

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:

\* a) Publication per faculty

1. Dr. Sandeep S. Patil

1. "Vapor-Liquid-Solid Growth of One-Dimensional Tin Sulfide (SnS) Nanostructures with Promising Field Emission Behavior" Sachin R. Suryawanshi, Sambhaji S. Warule, Sandip S. Patil, Kashinath R. Patil and Mahendra A. More; *ACS Appl. Mater. Inter.*, 6 (3), (2014) 2018-2025.
2. "Template Free Electrochemical Synthesis of Highly Crystalline Polyaniline Nanopetals, Nanocrystals and Their Field Electron Emission Investigations" Sandip S. Patil, Shankar P. Koiry, D. K. Aswal, Pankaj Koinkar and M. A. More; *J. Electrochem. Soc.*, 160 (11) (2013) D543-D552.
3. "Noise Measurement and Analysis of Field Emission Current from Boron Doped Diamond" Pankaj M Koinkar, Ranjit V Kashid, Sandip S Patil, Dilip S Joag, Ri-ichi Murakami and Mahendra A More; *IEEE Trans. Nano.*, TNANO-00109-2013.
4. "Enhanced Field Emission from chemically synthesized Cadmium Sulphide-Polyaniline (CdS-PANI) nanotube composite", Sandip S. Patil, Akansha D. Shinde, Ruchita T. Khare and Mahendra A. More;



*IEEE, 14<sup>th</sup> International Vacuum Electronics Conference (IVEC), 2013, Pages 1-2, DOI: 10.1109/IVEC.2013.6571110.*

5. "Synthesis of vertically aligned polyaniline (PANI) nanofibers, nanotubes on APTMS monolayer and their Field Emission characteristics" **Sandip S. Patil**, Shankar P. Koiry, P. Veerender, D. K. Aswal, S. K. Gupta, D. S. Joag and M. A. More; *RSC Advances* 2 (2012) 5822.
  6. "Ultra low field emission characteristics of chloride doped polypyrrole films" **Sandip S. Patil**, Purushottam Jha, D. K. Aswal, S. K. Gupta, J. V. Yakhmi, Dilip S. Joag and Mahendra A. More, *Poly. Adv. Tech.* 23 (2012) 215.
  7. "Field emission current noise analysis of carbon based materials" More Mahendra A., Kashid Ranjit V., **Patil Sandip S.**, Shinde Deodatta R. and Joag Dilip S.; *IEEE, International Vacuum Nanoelectronics Conference (IVNC), 2012, Pages 1-2, DOI: 10.1109/IVNC.2012.6316832.*
  8. "Spectra analysis of field emission current from boron doped diamond", P. M. Koinkar, R. Murakami, R. V. Kashid, **S. S. Patil**, D. S. Joag, M. A. More; *IEEE, International Vacuum Nanoelectronics Conference (IVNC), 2012, Pages 1-2, DOI: 10.1109/IVNC.2012.6316882.*
  9. "Synthesis of Titanium oxide-Polyaniline Nanotube Composite and its Superior Field Emission Characteristics" **Sandip S. Patil**, Shankar P. Koiry, Dinesh K. Aswal and Mahendra A. More; *IEEE, International Vacuum Nanoelectronics Conference (IVNC), 2011, Page No. 123, ISBN: 978-1-4577-1243-2.*
  10. "Promising Field Emission Characteristics of Polyaniline Nanotubes" **Sandip S. Patil**, Shankar P. Koiry, Dinesh K. Aswal, Pankaj M. Koinkar, Ri-ichi Murakami and Mahendra A. More; *J. Electrochem. Soc.* 158 (6) (2011) E63-E66.
  11. "Influence of high-energy electron irradiation on field emission properties of multi-walled carbon nanotubes (MWCNTs) films" **Sandip S. Patil**, Pankaj M. Koinkar, Sanjay D. Dhole, Mahendra A. More and Ri-ichi Murakami; *Physica B* 406 (2011) 1809–1813.
  12. "Pulsed laser deposited Ga doped ZnO/SiO<sub>x</sub>/Si(100) thin films and their field emission behaviour" S. D. Shinde, S. M. Jejurikar, **Sandip S. Patil**, D. S. Joag, S. K. Date, M. A. More, S. Kaimal, T. Shripathi and K. P. Adhi; *Solid State Sciences* 13 (2011) 1724.
  13. "Enhanced field emission characteristics of boron doped diamond films grown by microwave plasma assisted chemical vapor deposition" Pankaj M. Koinkar, **Sandip S. Patil**, Tae-Gyu Kim, Diasuke Yonekura, Mahendra A. More, Dilip S. Joag and Ri-ichi Murakami; *Appl. Surf. Sci.* 257 (2011) 1854.
  14. "Enhanced Field Emission from the Gold- Polyaniline (Au-PANI) Nanocomposite" **Sandip S. Patil**, Shankar P. Koiry, Dinesh K. Aswal and Mahendra A. More; *AIP Conf. Proc.* 1313 (2010) 295; DOI: <http://dx.doi.org/10.1063/1.353052>.
  15. "Topotactical Nitridation of  $\alpha$ -MoO<sub>3</sub> Fibers to  $\alpha$ -Mo<sub>2</sub>N Fibers and Its Field Emission Properties" Khemchand Dewangan, **Sandip S. Patil**, Dilip S. Joag, Mahendra A. More and N. S. Gajbhiye; *J. Phys. Chem. C* 114, (2010) 14710.
- "Formation of aligned ZnO nanorods on self-grown ZnO template and its enhanced field emission characteristics" Jai Singh, **Sandip S. Patil**, Mahendra A. More, Dilip S. Joag, R.S. Tiwari, O.N. Srivastava; *App. Surf. Sci.* 256 (2010) 6157–6163.

## 2. Dr. Vaishali S. Waman

- 1) Why specific mixed solvent composition leads to appropriate film formation of composite during spin coating?  
S. S. Ghosh, A. P. Zerwal, G. G. Bisen, G. S. Lonkar, J. V. Sali, V. S. Waman, and S. R. Jadkar  
*Applied Physics Letters* 102 051918 (2013)
- 2) Bulk-heterojunction morphology control during spin coating: Modelling diffusion assisted phase separation  
S. S. Ghosh, G. S. Lonkar, M. S. Mahajan, S. R. Jadkar, V. S. Waman, M. M. Kamble, V. Ganesan, and J. V. Sali.  
*Applied Physics Letters* 101 173305 (2012)



- 3) Evolution of structural and optical properties of room temperature synthesized rutile-TiO<sub>2</sub> thin films by using chemical deposition method  
A. H. Mayabadi, V. S. Waman, M. M. Kamble, S. S. Ghosh, B. B. Gabhale, S. R. Rondiya, A. V. Rokade, S. S. Khadtare, V. G. Sathe, H. M. Pathan, S. W. Gosavi, and S. R. Jadkar  
**Journal of Physics and Chemistry of Solids** 75 182 - 187 (2014)
- 4) Evolution of microstructure and opto-electrical properties in boron doped nc-Si:H films deposited by HW-CVD method  
V. S. Waman, M. M. Kamble, S. S. Ghosh, A. H. Mayabadi, B. B. Gabhale, S. R. Rondiya, A. V. Rokade, S. S. Khadtare, H. M. Pathan, V. G. Sathe, S. W. Gosavi, and S. R. Jadkar  
**Journal of Alloys and Compounds A** 585 523-528 (2014)
- 5) High growth rate a-SiC:H films using ethane carbon source by HW-CVD method  
M. M. Kamble, **V. S. Waman**, S. S. Ghosh, A. H. Mayabadi, H. M. Pathan, V. G. Sathe, T. Shripathi, and S. R. Jadkar  
**Bulletin of Materials Science** 36 1177-1185 (2014)
- 6) Hydrogenated silicon-carbide (SiC:H) thin films prepared with high deposition rate by hot wire chemical vapor deposition (HW - CVD) method  
M. M. Kamble, **V. S. Waman**, A. H. Mayabadi, S. S. Ghosh, B. B. Gabhale, S. R. Rondiya, A. V. Rokade, S. S. Khadtare, H. M. Pathan, V. G. Sathe, T. Shripathi, S. W. Gosavi, and S. R. Jadkar  
**Journal of Coatings** 2014 Article ID 905903, 11 pages (2014)
- 7) Influence of helium dilution of silane on microstructure and opto-electrical properties of hydrogenated nanocrystalline silicon (nc-Si:H) thin films deposited by HW-CVD  
**V. S. Waman**, M. M. Kamble, R. R. Hawaldar, V. G. Sathe, S. W. Gosavi and S. R. Jadkar  
**Materials Research Bulletin** 47 3445-3451 (2012)
- 8) Highly conducting phosphorous doped nc-Si:H thin films deposited at high deposition rate by HW-CVD method  
**V. S. Waman**, M. M. Kamble, Pramod M. R., R. R. Hawaldar, D. P. Amalnerkar, V. G. Sathe, S. W. Gosavi, S. R. Jadkar  
**Journal of NanoScience and Nanotechnology** 12/11 8459-66 (2012)
- 9) Highly conducting phosphorous doped n-type nc-Si:H films by HW-CVD for c-Si heterojunction solar cells  
**V. S. Waman**, M. M. Kamble, D. P. Amalnerkar, V. G. Sathe, S. W. Gosavi, S. R. Jadkar  
**RSC (Advances)** 2 9873-9880 (2012)
- 10) Boron doped nc-Si:H window layer prepared by HW-CVD for solar cell applications  
Pramod M. R., M. M. Kamble, **V. S. Waman**, S. P. Gore, A. M. Funde, V. G. Sathe, K. R. Patil, S. W. Gosavi, S. R. Jadkar  
**International Journal of Modern Physics B** 6 521-526 (2012)
- 11) Fine-Tuning of relative fraction of amorphous and crystalline phases in Si:H prepared by PE-CVD method  
A. M. Funde, **V. S. Waman**, M. M. Kamble, V. G. Sathe, S. W. Gosavi, S. R. Jadkar  
**Energy Procedia** 15 229-239 (2012)
- 12) Influence of the deposition parameters on the microstructure and opto-electrical properties of hydrogenated nanocrystalline silicon films by HW-CVD  
**V. S. Waman**, M. M. Kamble, Pramod M. R., A. M. Funde, R. R. Hawaldar, D. P. Amalnerkar, V. G. Sathe, S. W. Gosavi, S. R. Jadkar  
**Journal of Non-crystalline Solids** 357 3616-3622 (2011)



- 13) Hydrogenated nanocrystalline silicon thin films by hot wire chemical method with varied process pressure  
**V. S. Waman**, M. M. Kamble, Pramod M. R., A. M. Funde, R. R. Hawaldar, D. P. Amalnerkar, V. G. Sathe, S. W. Gosavi, S. R. Jadkar  
**Journal of Nanotechnology** 2011 10 pages doi:10.1155/2011/242398 (2011)
- 14) Nanostructured hydrogenated silicon films by hot wire chemical vapor deposition: The influence of substrate temperature on material properties  
**V. S. Waman**, M. M. Kamble, A. M. Funde, V. G. Sathe, S. W. Gosavi, S. R. Jadkar.  
**Journal of Nano. Electron. Phys.** 3/1 590-600 (2011)
- 15) Structural and optical investigations of nc-Si:H thin films prepared by hot wire method  
**V. S. Waman**, M. M. Kamble, A. M. Funde, V. G. Sathe, S. W. Gosavi, S. R. Jadkar  
**AIP Conf. Proc.** 1391 155-157 (2011)
- 16) Determination of the optical parameters of a-Si:H thin films deposited by HW-CVD technique using transmission spectrum only.  
N. A. Bakr, A. M. Funde, **V. S. Waman**, M. M. Kamble, R. R. Hawaldar, D. P. Amalnerkar, T. S. Salve, S. R. Jadkar:  
**PRAMANA: Journal of Physics** 36 519-531 (2011)
- 17) Role of argon in HW-CVD deposited hydrogenated nanocrystalline silicon (nc-Si:H) thin films.  
N. A. Bakr, A. M. Funde, **V. S. Waman**, M. M. Kamble, R. R. Hawaldar, V. G. Sathe, S. W. Gosavi, S. R. Jadkar  
**Thin Solid Films** 519 3501-3508 (2011)
- 18) Influence of deposition pressure on structural, optical and electrical properties of nc-Si:H films deposited by HW-CVD.  
N. A. Bakr, A. M. Funde, **V. S. Waman**, M. M. Kamble, R. R. Hawaldar, V. G. Sathe, S. W. Gosavi, S. R. Jadkar  
**Journal of Physics and Chemistry of Solids** 72 685-691 (2011)
- 19) Inter-electrode separation induced amorphous-to-nanocrystalline transition of hydrogenated silicon prepared by capacitively coupled PE-CVD method.  
A. M. Funde, **V. S. Waman**, M. M. Kamble, Pramod M. R., S. W. Gosavi, S. R. Jadkar,  
**J. Nano-Electron. Physics** 3 651-661 (2011)
- 20) Synthesis of hydrogenated nanocrystalline silicon films by HW-CVD without hydrogen dilution of silane  
M. M. Kamble, **V. S. Waman**, A. M. Funde, V. G. Sathe, S. W. Gosavi, S. R. Jadkar  
**AIP Conf. Proc.** 1391 746-748 (2011)
- 21) Boron Doped p-type Hydrogenated Nanocrystalline Silicon Films Grown by Hot Wire Chemical Vapor Deposition  
Pramod M. R., M. M. Kamble, **V. S. Waman**, S. P. Gore, A. M. Funde, V. G. Sathe, S. R. Jadkar  
**AIP Conf. Proc.** 1391 517-519 (2011)
- 22) Synthesis of nc-Si:H thin films by HW-CVD for solar cell applications: The Role of Hydrogen dilution of Silane  
N. A. Bakr, A. M. Funde, **V. S. Waman**, T. S. Salve, S. R. Jadkar and S. P. Gokhale  
Proceedings of First Scientific Conference on Nanotechnology, Advanced Materials and their applications,(SCNAMA), Univ. of Technology, Baghdad, Iraq, Part 2 pp. 23-38 (2009)
- Number of papers published by faculty and students in peer reviewed journals (national / international)  
22 + 19 + 1 = 42 in international journals.



- 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.)

All published papers are available on Scopus.

- Monographs: **NA**
- Chapter in Books: **NA**
- Books Edited: **NA**
- Books with ISBN/ISSN numbers with details of publishers

National Conference on Energy and Environment (NC2E-2014) on "Energy and Environment Security through Cutting Edge Technology" ISBN no.: 978-93-83993-10-9, Success Publication, website: [www.sharpmultinational.com](http://www.sharpmultinational.com)

- Citation Index: **5**
- SNIP: **NA**
- SJR: **NA**
- Impact factor: 1 —6 of all above papers.
- h-index: 5 and 4

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

21. Faculty as members in

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

**Editorial Board: Dr. Vaishali Waman** : Proceedings of National Conference on Energy & Environment, NC2E-2014, University of Pune ISBN: 978-93-83993-10-9

22. Student projects

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

**In-house 73 % projects in 2013-14**

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

**27 % projects outside the institution in 2013-14**

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**
  - 1) **Member, All India Federation of Non Teaching Staff of colleges and Universities.**
  - 2) **Chairman, Maharashtra State Federation of Non-Teaching staff of non-agricultural colleges.**

#### **Other Achievements :**

Participation of students in other Institute:

Mr. Shriram Ramane completed a course in Experimental Physics at IISER, Pune in December 2014

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

Following academicians and scientists visited the Department during 1/4/2010 to 31/3/ 2014

1. Prof. C. V. Dharmadikari, Emeritus Professor from IISER, Pune
2. Prof. S. D. Dhole, Department of Physics, University of Pune.
3. Dr. Priyadarshani Karve, Director, Appropriate Rural Technological Institute (ARTI), Phaltan, Pune.
4. Dr. Uday Tade, Scientist from ISRO, Pune

5. Shri M. L. Soman, Head, Training Division, TATA MOTORS, Pune  
 6. Shri Mayuresh Prabhune, Science Editor, Times Group, Pune  
 25. Seminars/Conferences/Workshops organized & the source of funding a) National:  
 b) International  
 Nil  
 26. Student profile programme/course wise:

Name of the Course/ programme (refer question no. 4)	Enrollment and Passing Percentage yearwise *M = Male *F = Female											
	2010-11			2011-12			2012-13			2013-14		
	M	F	Passing Percentage	M	F	Passing Percentage	M	F	Passing Percentage	M	F	Passing Percentage
T.Y.B.Sc. (Physics)	11	6	64.71%	17	18	65.7%	11	8	68.42%	13	13	76.92%

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B. Sc.	95	5	-

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 Defense service Examination**

29. Student progression for the year 2014-15

Student progression	Against % enrolled
UG to PG	25 %
PG to M. Phil.	-
PG to Ph. D.	-
Ph. D. to Post-Doctoral	-
<b>Employed</b> • Campus selection • Other than campus recruitment	-10%
Entrepreneurship/Self-employment	-

30. Details of Infrastructural facilities a) Library: 01

**Department Library: 01**



- b) Internet facilities for Staff & Students  
Yes, Speed: 10 MBPS, No. of Nodes : 20
- c) Class rooms with ICT facility **Yes**
- d) 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  
Please refer SSR 5.1.2
32. Details on student enrichment programmes (special lectures/workshops/seminar) with external experts  
Lectures:
1. Prof. C. V. Dharmadikari, Emeritus Professor from IISER, Pune
  2. Prof. S. D. Dhole, Department of Physics, University of Pune.
  3. Dr. Priyadarshani Karve, Director, Appropriate Rural Technological Institute (ARTI), Phaltan, Pune.
  4. Dr. Uday Tade, Scientist from ISRO, Pune
  5. Shri M. L. Soman, Head, Training Division, TATA MOTORS, Pune
  6. Shri Mayuresh Prabhune, Science Editor, Times Group, Pune
- Workshop: Star Gazing at Paud, Panshet
33. Teaching methods adopted to improve student learning
- 1) Poster Exhibition/Competition
  - 2) Power point presentation competition
  - 3) Project competition
  - 4) Demonstration method
  - 5) Use of ICT
  - 6) Seminar Activity
34. Participation in Institutional Social Responsibility (ISR) and Extension activities  
N/A
35. SWOC analysis of the department and Future plans
- 1) Strength:
    - Well qualified staff with research attitude
    - Well equipped laboratory
    - Departmental Library
    - Student participation in all departmental activities
    - Internet facility
    - Helping nature to all the students
    - Staff members are conversant with advanced technology in teaching
  - 2) Weaknesses :
    - o **Laboratory space constraints**
  - 3) Opportunities:
    - **Academically sound students are turning for Basic Science Education instead of pursuing engineering education.**
  - 4) Concern :
    - **Establishment of Private Universities.**
    - **Job opportunities for B.Sc. Students**

#### Future plans:

- Functionalize PG centre
- Starting the research centre in physics
- To inculcate Research Culture among under graduate students by applying to different funding agency (UGC, DST, BCUD) for carrying out small projects.

#### Dept of Physics:

##### Activites :

All the teaching and non teaching staff members extended their whole hearted support and cooperation in smooth functioning of the department Student Strength: \_ F.Y.B.Sc. – 233 \_ S.Y.B.Sc. – 132 \_ 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.
  - a) T. Y. B. Sc. and few S.Y.B.Sc. students visited GMRT, Khodad On 2nd Jan. 2015. **Prof. S. R. Gogte, Dr. Sandeep Patil, and Dr. Vaishali Waman** took efforts in organizing this activity. **Study tour to GMRT, Khodad**
  - b) F. Y. B.Sc. and S. Y. B. Sc. students visited **IT-Expo** (exhibition arranged by CMDA, Pune) and **MahaTech** (an exhibition of Automation in Industrial products).
  - c) **Prof. S. S. Thengadi and Prof. Nileshkumar Pardeshi** took efforts in organization and smooth functioning of these study visits.
2. **Guest Lectures :** **Shri Mayuresh Prabhune** (Science Editor, Times Group, Pune ) delivered a lecture on “Mangalyan- Mission Mars” in December 2014 for the students of F.Y. and T.Y. B.Sc. He also delivered another lecture on “Observations of Meteor shower”. **Mr. Ganesh Jangid**, who is pursuing his M.Sc. from IIT - Madras, Chennai, delivered a lecture to the students of S.Y.B.Sc. The topic of his lecture was “Preparation for entrance examinations”.
3. **Poster competition:** A poster competition and exhibition was conducted for the F. Y. B. Sc. Class on 9th February 2015. The theme of the exhibition was “International Year of Light”. The Poster exhibition was inaugurated by Prof. S.R. Chaudhari, Vice-Principal, Modern College, Pune – 5. Prof. Nileshkumar Pardeshi co-ordinated the competition. Prof. P.S. Varade and Dr. Vaishali Waman evaluated the posters.
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 7th February. Dr. R. S. Zunjarrao, Principal inaugurated the exhibition. Prof. S.R. Gogte and Prof. V. T. Shelke examined the projects.
5. **Power point competition:** The students of S.Y.B.Sc. prepared power point presentations on various topics of Physics and presented in the class. This competition gave the students an opportunity to learn presentation skills. Dr. Vaishali Waman and Prof. Sanket Gogte judged the presentations. The prizes of all these competitions were awarded by Prof. A.G. Gosavi, Ex-Principal, Modern College, Pune. He also guided the students about the career development. The event was coordinated by Dr. Sandeep Patil.



## Department of Statistics

1. **Name of the Department :** Department of Statistics
2. **Year of Establishment :** 1970 (Under Graduate), 1979, (M.Com)., 2009 (M.Sc.)
3. **Names of Programs / Courses offered :** B.Sc. (Principal), M.Sc., B.Com (Statistics Special), M.Com. (Statistics Special)
4. **Names of Interdisciplinary courses and the departments / units involved:**  
Computer Science, Biotechnology, Commerce, Economics (M.A), Psychology, Environmental Science, Geography and M.Phil (BMCC). MCA (Commerce)

5. **Programes:**

Annual	Semester	Choice based credit system
F.Y. B.Sc.	S.Y. B.Sc.	M.Sc.
F.Y. B.Com.	T.Y. B.Sc.	M.Com
S.Y. B.Com.	-	-
T.Y. B.Com.	-	-

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

Computer science and English.

7. **Courses in collaboration with other industries.**

Department has organized a course in collaboration with CYTEL software company, Ltd. Pune, "A certificate course in SAS software".

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

9. **Number of teaching posts:**

	Sanctioned	Filled
Professors	-	-
Associate Professors	3	3
Asst. Professors	8	8

10. Faculty 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 are working Under guidance 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	35	-
Prof. P.S. Kapre	M.Sc. M.Phil	Associate Professor	Actuarial Statistics	35	-
Dr. M.M. Sane	M.Sc. M.Phil Ph.D.NET	Associate Professor	Statistical Inference	19	-
Prof. R.M. Umrani	M.Sc. SET M.Phil.	Assistant Professor	Sampling Methods	16	-
Prof. A.T.Kamble	M.Sc. M.Phil, SET	Assistant Professor	Directional Data Analysis, Survival Analysis	08	-
Prof. T.N. Choudhary	M.Sc. M.Phil	Assistant Professor	Clinical Trials	10	-
Prof. P.S. Waldhe	M.Sc. SET	Assistant Professor	Linear Algebra and Actuarial Statistics	4	-
Prof. A. S. Chinchani	M.Sc.	Assistant Professor	Statistical inferences computing	5	-
Prof. M.A. Kanade	M.Sc.	Assistant Professor	Statistical Process Control	4	-
Prof. A. V. Kulkarni	M.Sc.	Assistant Professor	Regression Analysis	1	-
Prof. M. S. Deo	M.Sc.	Assistant Professor	Regression Analysis	1	-

11. List of Senior Visiting faculty:

- i. Dr. G. B. Marathe (Savitribai Phule Pune University)
- ii. Dr. M.S. Prasad (Bharati Vidyapeeth)
- iii. Dr. S. S. Deo (Savitribai Phule Pune University)
- iv. Prof. A. R. Darekar (Abasaheb Garware College, Pune)
- v. Prof. M. S. Kasture (New Arts, Commerce Science college, Ahmednagar)
- vi. Mr. Kotkar M. S. (CYTEL Software Pvt. Ltd. Pune)



- vii. Sangita Raut (Modern College, Pune -5)  
 Viii. Sangita Sharma (Modern College, Pune -5)
12. Percentage of lectures delivered and practical classes handled (Program wise)by temporary faculty.  
 10% by temporary staff
13. Student- teacher ratio (Program wise): 65:1  
 Science UG: Commerce UG :  
 Science PG: Commerce PG :
14. Number of academic support staff (technical)and administrative staff; sanctioned : 4 and filled : 4 + 1  
 (common faculty clerk working in college office)

15. Qualifications of teaching faculty with

DSc	D.Lit	Ph.D	M. Phil.	PG
-	-	1	6	3

16. Number of faculty with ongoing projects from a) National 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  
 Note : Individual teachers publish their research papers

19. Publications per faculty

\* Publications per faculty

Name	Books	Research Papers
Prof. P.G. Dixit	70	1
Prof. P.S.Kapre	30	-
Dr. M.M. Sane	-	3
Prof. A.T. Kamble	-	2 (are in process)

20. Areas of consultancy and income generated :

Statistical analysis consultancy activity is done free of charge. It is not done as professional service.

- Prof. T. N. Choudhary
- Prof. A. S. Chinchanihar

21. Faculty as member in

a) National committees b) International committees c) Editorial Boards. : Nil

22. Student Projects.

- Percentage of students who have done in house projects including inter departmental/ programs 100% for T.Y. B.Sc. and M.Sc.
- Percentage of students placed projects in organizations outside the institution i.e. Research Laboratories/ Industry/ Other agencies.: Industry 10% with NSSO, NIBM and Gokhale Institute

23. Awards/ Recognitions received by faculty and Students.

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

iii. Mr. Pande Dilip promoted to the post of colonel in Indian Army currently posted in Pune.

iv. 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 scientist / visitors to the department.

Sr.No.	Date	Name of the Guest
1	29-06- 2011	Dr. Anant Patki
2	27-07- 2011	Dr. Vijay Kulkarni
3	17-12- 2011	Dr. J. K.Wani, Calgeri University, Alberta Canada
4	20-12-2011	Dr. Jayraman
5	27/07/2012	Dr. J. V. Deshpande
6	22/08/2012	Mr. Akshay Dixit, Sonal Dhand, Alpana Dwivedi, Rajaraman (Ultramax Infonet)
7	23/08/2012	Dr. M. B. Kulkarni
8	07/09/2012	Dr. M. N. Deshpande
9	12/10/2012	Dr. Mohan Kale
10	28/12/2012	Mrs. Sahinta Yeolekar
11	11/02/2013	Dr. Waman H. J.
12	16/03/2013	Dr. Ashok Shanbhague
13	01/05/2013	Dr. M. N. Deshpande and Mr. Gokhale
14	29/06/2013	Dr. Onkareshwara Prasad
15	27/07/2013	Mr. H.N. Patil
16	24/08/2013	Mr. Potnis, Ms. Kirti Gaikwad
17	17/01/2014	Mr. Akash Rughani, Ms. Hemal Thakkar, Ms. Deepti Pujari, Mr. Lavesh Pillai
18	18/01/2014	Dr. A. P. Gore, Prof. A. G. Gosavi
	26/06/2014	Dr. V. Parmeswaran
	13/12/2014	Dr. Palanichami
	17/10/2014	Dr. D.T. Shirke
	Lecture Series	Mr. Nitin Pawar
	16/12/2014	Prof. Akanksha Kashikar
	Started SAS course	Mrs. Priti Pandhu
	11/12/2014	Dr. Ketkar
	16/12/2014	Prof. V. C. Kakade



25. Seminars/ Conference/ Workshop organized and the source of funding.

Sr.No.	Year	Name	Source of Funding
1	2009-10	Five days Refresher training on Biostatistics for ISS officers.	Ministry of Statistics, Delhi.
2	2010-11	National Workshop on Medical Statistics and Clinical Trials (Dr. P V. Sukhatme Birth centenary memorial)	University of Pune
3	2012-13	National Workshop on Careers in Statistics (International Statistics Year)	Students' Welfare University of Pune
4	2013-14	Workshop on revision of M.Sc. I Sem I and II (Choice based credit system) syllabi	University of Pune
5	2013-14	Workshop on revision of M.Sc. II Sem III and IV (Choice based credit system) syllabi	University of Pune
6	2014-15	i. S.Y. B.Sc. Quiz Round II ii. T. Y. B.Com. Syllabi Revision	Board of Students' Welfare Savitribai Phule University of Pune BCUD, Savitribai Phule University of Pune

26. Student profile program/course wise:

Year	Name of the Course/Program	Applications received	Selected	Enrolled		Pass percentage
				Male	Female	
2010-2011	T.Y. B.Sc.	25	19	15	04	84.21
	M.Sc.	89	26	07	19	
	T.Y. B.Com	6	6	2	4	100
	M.Com.	4	4			
2011-2012	T.Y. B.Sc.	25	25	12	13	73.91
	M.Sc.	95	30	06	24	
	T.Y. B.Com	1	1	0	1	100
	M.Com.	3	3			
2012-2013	T.Y. B.Sc.	32	28	11	17	96.30
	M.Sc.	132	32	07	25	
	T.Y. B.Com	11	11	5	6	80
	M.Com.	1	1	0	1	100

2013-2014	T.Y. B.Sc.	30	25	07	18	76.00
	M.Sc.	145	30	05	25	
	T.Y. B.Com	10	10			
	M.Com.	-	-	-	-	-
2014-2015	T.Y. B.Sc.	35	26	03	23	
	M.Sc.	175	32	11	21	
	T.Y. B.Com	4	4	1	3	
	M.Com.	-	-	-	-	

27. Diversity of students

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	100%		
2012-13	100%		
2013-14	100%		
2014-15	100%		

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

Year	Against % enrolled
UG to PG	50%
P.G. to M. Phil, Ph.D.	00
Employed	
-Campus selection	
-Other than campus recruitment	30%
Entrepreneurship/self employment	10%



30. Details of Infrastructural facilities

- a) Library : Yes
- b) Internet facilities for staff and Students : Yes
- c) Class rooms with ICT facility : Yes (In 3 classrooms) All
- d) Laboratories : Yes Area :

31. Number of students receiving financial assistance from college, university, government or other agencies : Earn and Learn and Scholarship

32. Details on student enrichment programs (Special lectures/workshop/seminar) with external experts.

a) **Guest lectures are organized by the department for students by eminent resource person in statistical field.**

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

c) **Quiz:** F.Y. B.Sc., F.Y. B.Sc. (Computer Science) and S. Y. B.Sc. Quiz Round I was organized on 11<sup>th</sup> January 2014. Second round of S.Y. B.Sc. Quiz was Conducted on at Abasaheb Garware College Pune.

33. Teaching methods adopted to improve student's learning.

- i. Question Banks ii. Assignments iii. Problem Corner iv. Seminar v. Power Point Presentation

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

Department :

- i. Students Welfare Association
- ii. SAS Training Course

Individual :

35. SWOC analysis of the department and future plans.

**Strength :** Enthusiastic staff, good students, limited number of students in class enables to pay personal attention, Departmental library, good computing facility, placement, Students activities, departmental timing suitable, to students in different classes.

**Weakness :**

**Opportunities :** Good requirements of statisticians, increasing demand of statisticians.

**Challenges :**

**Future Plans :**

**Dept. of Statistics:**

**2. Activities :**

- a) Statistics Day was celebrated on 29th June 2014. Dr. Parmeswaran delivered a lecture on 'Opportunities for Statisticians in Govt. Sector'.
- b) Dr. P.V. Sukhatme's Birth anniversary was celebrated on 26th July 2014. Mr.Santosh Payas gave lecture on Sukhatme's contribution to society.
- c) Statistics Fest : Department organized Statistical Fest for all statistics students on 16<sup>th</sup> December 2014. Case studies, statistical crossword, puzzle solving and Guest Lectures were the events of this fest.
- d) Past students' Meet: Department organized a get together for past students on 27th January 2015. About 70 students were present for the function. They expressed affinity for the department and college. They

also shared their college life memories. Prof. P.S. Chirputkar and Dr. R.S. Zunjararo (Principal) appreciated the achievements of past students and guided them.

- e) S.Y. B.Sc. Quiz Final Round : Department organized S. Y. B. Sc. (Statistics) quiz final round on 26<sup>th</sup> February, 2015 on behalf of Pune University Statistics Association (PUSA). It was sponsored by Board of Student Welfare, Savitribai Phule Pune University. There were 49 students from various colleges of Pune University, 28 teacher participants including judges. Dr. Prof. S. R. Deshmukh (HOD Statistics Dept., Pune University) was the Chief guest at the inaugural function. Dr. Walvekar S.P. briefed about the group discussion. Principal, Dr. R. S. Zunjararo was Chief guest at the valedictory function. Following events were included in the final round:

- J) Essay writing - Topic 1. Statistics and society 2. Global competency of India  
II) Group discussion - Topic 1. Helmet compulsion: A necessity?

2. Use and misuse of social media.
3. Career consciousness v/s health consciousness
4. Clean India movement 5. Elections at colleges for UR.

### III) Presentation

### IV) Case Studies

- V) Elocution - The book I liked \_ Workshops : Workshop of T.Y. B.Com Syllabi revision was organized by the department on 17<sup>th</sup> March 2015. Dr. Nitin Ghorpade, Chairman of Board of Studies in Statistics and Computer applications inaugurated the workshop. Dr. Y. R. Waghmare (Vice -Principal) presided over the inaugural function. Prof. P.G. Dixit (Head, Statistics Department) guided the participants on making use of statistical software. Prof. P.S. Kapre took an overview of the present syllabi and lead the discussion. He prepared the detailed note on revised syllabi on the basis of valuable inputs and suggestions by the participants.

- e) Biostatistics workshop under Skill Development Training was organized from 30<sup>th</sup> March to 7<sup>th</sup> April 2015. There were 10 participants. Prof. P.G. Dixit, Dr. M.M. Sane and Prof. R.M. Umarani worked as resource persons. Guest Lectures Organized:

1. 29/06/2014 - Dr. V. Parmeswaran (Deputy Director General, NSSO), Opportunities for Statistics students in Government sector, on the occasion of Statistics Day.
2. 26/07/2014 - Mr. Santosh Payas (Deputy Director, Census, Mumbai), Dr. Sukhatme's contribution to Statistics and job opportunities for Statistics students.
3. 17/10/2014 - Dr. Shirke D.T. : Non parametric control charts.
4. 10/12/2014 - Dr. Ketkar, Best career options for Statistics graduates.
5. 13/12/2014 - Dr. Palanichami, A journey into the world of applied Statistics.
6. 16/12/2014 - Mr. Tanmay Chandresa, Preparation of C.V. and Interview techniques, on the occasion of Statistics Fest.
7. 16/12/2014 - Prof. Kakade V.C., Guidance for project preparation, on the occasion of Statistics Fest. 16/12/2014 - Dr. Akanksha Kashikar, Guidance for SET/NET and competitive examination preparation, on the occasion of Statistics Fest. Campus Interviews - Campus interviews were conducted by Sciformix for M.Sc. II year students on 27<sup>th</sup> January 2015. and by Tech - knit for M.Sc. II year students on 7<sup>th</sup> April 2015.



## Department of Zoology

1. **Name of the department :** Department of Zoology
2. **Year of Establishment :** 1979
3. **Names of Programmes / Courses offered :** UG, Ph.D.
4. **Names of Interdisciplinary courses and the departments/units involved :** Nil
5. **Annual/ semester/choice based credit system (programme wise):**  
B.Sc. Zoology Semester system
6. **Participation of the department in the courses offered by other departments:**  
Few of staff members conduct lectures and practicals for the UG and PG students at the Biotechnology, Agri-Biotechnology and Microbiology department.
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.:** 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 :**  
M.Sc. Zoology- Due to inadequate admissions.
9. **Number of Teaching posts**

	Sanctioned	Filled
Professors	—	Nil
Associate Professors	—	01
Asst. Professors	—	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 are working Under guidance for the last 4 years
Mr. Narendra Madhukar Naidu	M.Sc. M.Phil.	Associate Professor	Developmental Biology	28	Nil
Mr. Bharat Thalu Kalbage	M.Sc.	Assistant Professor	Cell Biology	17	Nil
Dr. Yugandhar Satish Shinde	M.Sc. Ph.D.	Assistant Professor	Developmental Biology & Entomology	2	Nil
Dr. Pappu Sawleram Kudnar	M.Sc. Ph.D.	Assistant Professor	Entomology	2	Nil

11. List of senior visiting faculty:

1. Dr. Hemant V. Ghate
2. Dr. Arun M. Bhalerao
3. Dr. Sushama J. Thatte
4. Prof. B. B. Nath

12. Percentage of lectures delivered and practical classes handled(programme wise) by temporary faculty:  
42.86 % (60/140) of lectures and practical handled by temporary faculty.

13. Student -Teacher Ratio (programme wise):

For practical- student: teacher ratio is 12:1. For theory it varies as per class.

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

Sanctioned :

Filled : 1 Laboratory assistant and 4 Laboratory Attendants and

1 Temporary Support staff

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

DSc: 0, PhD: 2, M.Phil. :1, PG:1.

Temporary staff: Ph.D. : 2, PG : 1.

16. Number of faculty with ongoing projects from a) National b) International funding agencies and 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 Tembhe) working on DNA Barcoding of bugs. His work is funded by Department of Biotechnology(DBT Post-Doc 2011-2013)

17. Research Centre /facility recognized by the University: YES



18. Publications:

- a) Publication per faculty

**Dr. H. V. Ghate:**

International Journals:

1. Salunke, B.K., R. C. Salunkhe, D. P. Dhotre, A. B. Khandagale, S. A. Walujkar, G. S. Kirwale, **H. V. Ghate**, M. S. Patole & Y. S. Shouche (2010). Diversity of *Wolbachia* in *Odontotermes* spp. (Termitidae) and *Coptotermesheimi* (Rhinotermitidae) using the multigene approach. FEMS Microbiol Lett 307 : 55–64
2. Gupta AK, Dharme MS, Rangrez AY, Verma P, **Ghate H.V**, Rohde M, Patole MS & Shouche YS (2010). *Ignatzschineriaindica* sp. nov. and *Ignatzschineriaureaclastica* sp. nov., isolated from adult flesh fly (Diptera: Sarcophagidae). Int J SystEvolMicrobiol. vol. 61. In Press doi:10.1099/ij.s.0.018622-0.
3. Gaikwad, S., S.S. Ghaskadbi, **H.V. Ghate** and Y.S. Shouche (2011). DNA Barcoding of nymphalid butterflies (Nymphalidae: Lepidoptera) from Western Ghats. Mol. Biol. Rep. DOI 10.1007/s11033-011-0988-7
4. **Ghate, H.V.**, C.A. Viraktamath, and R. Sundararaj (2011). First Report of *Capnolymma cingalensis* Gahan (Cerambycidae : Lepturinae) from India. *Tabrobanica*, 3: 104-106
5. Gupta, A.K., Dana Nayduch, A. Y. Rangrez, M. S. Dharme, P. Verma, B. Shah, **H. V. Ghate**, M. S. Patole, Y. S. Shouche (2011). Phylogenetic characterization of bacteria in the gut of houseflies (*Musca domestica* L.), FEMS Microbiol Ecol. 79 (2012) 581–593.
6. Kocorek, A. and **H.V. Ghate (2012)**. *Megymenumdistanti* a new remarkable species of Dinidoridae subfamily Megymeninae (hemiptera: Heteroptera: Dinidoridae) from India. Zootaxa, 3218: 31-39.
7. Pawar, K. D., S. Banskar, S. D. Rane, S. S. Charan, Girish J. Kulkarni, S. S. Sawant, **H. V. Ghate**, M. S. Patole & Y. S. Shouche (2012). Bacterial diversity in different regions of gastrointestinal tract of Giant African Snail (*Achatina fulica*). Microbiology Open, doi: 10.1002/mbo3.38
8. Salunke, B. K., R. C. Salunkhe, D. P. Dhotre, S. A. Walujkar, Avinash B. Khandagale, a R. Chaudhari, R. K. Chandode, **H. V. Ghate**, M. S. Patole, J. H. Werren, d and Y. S. Shouche (2012). Determination of *Wolbachia* Diversity in Butterflies from Western Ghats, India, by a Multigene Approach. June 2012 Applied and Environmental Microbiology, 78(12):4458; online availability at <http://aem.asm.org/content/78/12/4458>
9. Ghate, H.V. and Mitra, B. (2013). First record of *Purpuricenus temminckii* (Coleoptera : Cerambycidae) from India. *TAPROBANICA*, 5 (1): 75-76
10. Korn, Michael, Nicolas Rabet, **Hemant V. Ghate**, Federico Marrone, and Anna K. Hundsdoerfer (2013). Molecular Phylogeny of Notostraca. *Molecular Phylogenetics and Evolution*. <http://dx.doi.org/10.1016/j.ympev.2013.08.006>
11. Fontanilla IKC, Sta. Maria IMP, Garcia JRM, **Ghate H**, Naggs F, et al. (2014) Restricted Genetic Variation in Populations of *Achatina* (Lissachatina) fulica outside of East Africa and the Indian Ocean Islands Points to the Indian Ocean Islands as the Earliest Known Common Source. *PLoS ONE* 9(9): e105151. doi:10.1371/journal.pone.0105151
12. Agarwala, B.K, **H.V. Ghate** and P.P Bahttacharjee (2014). Redescriptions of *Imantocera penicillata* Hope and *Eutaenia corbetti* Gahan (Coleoptera: Cerambycidae), with Records of Host Plants from India. *The Coleopterist Bulletin*, 68(4):719-726. 2014.
13. Vives, Eduard and **H. V. Ghate** (2015). On two rare Cerambycid beetles (Coleoptera) from India. *Taprobanica* Vol. 7 (1): 40-42
14. Padhye, S., N. Rabet and **H.V. Ghate** (2015). First faunal inventory of large branchiopods (Crustacea: Branchiopoda) of Western Maharashtra, India with taxonomical and distributional comments. *Zootaxa*, 3904 (2): 208–222 (DOI: <http://dx.doi.org/10.11646/zootaxa.3904.2.2>)



15. COCQUEMPOT, C., Alain DRUMONT, Dimitri BROSENS & **Hemant V. GHATE** (2015). First interception of a cerambycid beetle *Stromatium longicorne* (Newman, 1842) in Belgium and distribution notes on other species of *Stromatium* (Coleoptera, Cerambycidae, Cerambycinae). In Press Belgian Journal

#### National Journals:

16. Kulkarni, M.R., Sameer Padhye, A. I. Vanjare, S. S. Jakhalekar, Yugandhar Satish Shinde, S. V. Paripatyadar, S. D. Sheth, Siddharth Kulkarni, S. K. Phuge, Kalyani Bhakare, A. S. Kulkarni, Kalpana Pai and **Hemant V. Ghate** (2015). Documenting the Fauna of a Small Temporary Pond from Pune, India. In Press: *Journal of Threatened Taxa*.
17. Mukherjee, T.K. and **Ghate, H.V.** (2010): Redescription of *Hierodulacoarctata* Saussure (Mantidae: Mantodea) from Maharashtra, India. *Journal of Threatened Taxa*, 2(9): 1167-1171
18. Padhye, S.M., **H. V. Ghate** & K. Pai (2010). New locality record and additional information on the habitat of *Cyclestheria hislopi* (Baird, 1859) (Crustacea: Branchiopoda: Cyclestherida) in India. *Journal of Threatened Taxa*, 3(1): 1445-1448.
19. Padhye, S.M., H. V. Ghate & K. Pai. (2011). New locality records and additional information on habitats of three species of clam shrimps (Crustacea: Branchiopoda) from a region in northern part of Western Ghats (Sahyadris), India. *Journal of Threatened Taxa, Short Communication* 3(5): 1756-1763
20. **Ghate, H.V.** (2011). A Note on *Dorystenesrostratus* (Fabricius) (Cerambycidae: Prioninae) from Coimbatore. *BugsR'All Newsletter*, Dec. 2011, No.18: 8-9.
21. Joshi, R., G.P. Pathak and **H.V. Ghate**. (2011) Photographic evidence of gregarious behavior in *Cyclopeltasiccifolia* (Westwood) (Pentatomoidea: Dinidoridae). *BugsR'All Newsletter*, Dec. 2011, No.18, 2-3
22. **Ghate H.V.**, G. P. Pathak, Yogesh Koli and G. P. Bhawane (2012). First record of two Pentatomidae bugs from Chandoli (Kolhapur, Maharashtra State). *Journal of Threatened Taxa*, 4(4): 2524-2528
23. **Ghate, H.V.**, S. Riphung and N.S.A. Thakur (2012). First record of *Sarothroceralowii* White 1846 (Cerambycidae: Lamiinae: Lamiini) from India. *Journal of Threatened Taxa*. 4(7): 2709-2712
24. Padhye, A.D. and **H.V. Ghate** (2012). Amphibian fauna of Maharashtra. In: Fauna of Maharashtra, Zoological Survey of India, Published by The Director, ZSI, Kolkata. 20 (part 1): 239-246
25. **Ghate, H.V.** (2012). Freshwater Sponges. In: Fauna of Maharashtra, Zoological Survey of India, Published by The Director, ZSI, Kolkata. 20 (part 2): 215-216
26. Pathak, G.; **Ghate, H.V.** and R.M. Sharma (2012). Stink Bugs (Insects: Heteroptera: Pentatomidae). In: Fauna of Maharashtra, Zoological Survey of India, Published by The Director, ZSI, Kolkata. 20 (part 2) 473-475
27. **Ghate, H.V.** (2012). Cerambycidae (Coleoptera : Cerambycidae). In: Fauna of Maharashtra, Zoological Survey of India, Published by The Director, ZSI, Kolkata. 20 (part 2) 503-505,
28. **Ghate, H.V.** (2012). Tortoise Beetles (Chrysomeloidea: Chrysomelidae: Cassidinae). In: Fauna of Maharashtra, Zoological Survey of India, Published by The Director, ZSI, Kolkata. 20 (part 2) 523-526
29. Ghate, H.V. (2013). *Eurysaspis flavescens* Distant, a new Pentatomidae member for Indian Territory. *Prommalia* (e-journal of Zoological Survey of India), I : 45-48
30. Ghate, H.V. (2013). Report of *Dissosternuspertii* Hope (Coleoptera: CERAMBYCIDAE: Prioninae) from Pune, Maharashtra State. *Prommalia* (e-journal of Zoological Survey of India), I : 65-68
31. Ghate, H.V. (2013). Challenges for taxonomy in Indian context. *Invited article* for ENVIS issue (BOOK) on 'Arthropods and their Conservation in India (Insects & Spiders) *Envis Bulletin* (Special issue on Arthropods and their Conservation. (Insects & Spiders), pages 60-66 published by Wildlife Institute of India, Dehradun (2011 issue published in 2013).
32. Jakhalekar, S. and **H.V. Ghate** (2013). A Note on Five Freshwater Sponges (Porifera: Spongillina: Spongillidae) from Pune (Maharashtra, India). *Journal of Threatened Taxa*, 5 (9) : 4392- 4403.



33. Datar, M. N., Pathak, G. and H.V. Ghate (2013). A note on Occurrences of *Cucumis sativus* L. Form *hardwickii* (Royle) W. J. De Wilde & Duyfjes (Cucurbitaceae) in Peninsular India. *Journal of Threatened Taxa*, **5**(15): 5010–5012
34. **Ghate H.V.** and Narendra M. Naidu (2013). First record of *Oplatocera halli* Lepesme, 1956 (Coleoptera: Cerambycidae) from Western India. *Journal of Threatened Taxa*, **5**(17): 5301–5304
35. Mamlayya, A.B. and G. P. Bhawane and **Hemant V. Ghate** (2014). First Record of a Cerambycidae beetle *Apioccephalus licheneus* Gahan from Western India (Coleoptera: Cerambycidae: Lepturinae. *Journal of Threatened Taxa*, **6**(2): 5494–5498.
36. Mamlayya, A.B. and G. P. Bhawane and **Hemant V. Ghate** (2014). First Record of a Cerambycidae beetle *Apioccephalus licheneus* Gahan from Western India (Coleoptera: Cerambycidae: Lepturinae. *Journal of Threatened Taxa*, **6**(2): 5494–5498.
37. **124. Jakhalekar, S. and H.V. Ghate** (2014). SEM study of gemmules and spicules of Indian *Trochospongilla latouchiana* Annandale and Chinese *T. latouchiana sinensis* Annandale (Porifera: Demospongiae: Spongillina: Spongillidae. *Journal of Threatened Taxa*, **6**(9): 6269–6277
38. Koli, Y.J., G. P. Bhawane and **H.V. Ghate** (2014). Record of a fungus beetle *Spathomeles anceps* (Gorham) [Coleoptera : Endomychidae: Lycoperdininae] from Kolhapur. *Journal of Threatened Taxa*, **6**(11): 6477–6479
39. Tembe, S., Y. Shouche and H.V. **Ghate (2014)**. DNA Barcoding of Pentatomomorpha bugs (Hemiptera: Heteroptera) from Western Ghats. *Meta Gene* **2** (2014) 737–745.
40. Sheth, S.D. and **H.V. Ghate** (2014). A report of an aquatic beetle *Eretes griseus* (Fabricius, 1781) (Coleoptera: Dytiscidae: Dytiscinae: Eretini) from Western Ghats and other parts of Maharashtra, India, *Journal of Threatened Taxa*, **6**(12): 6571–6575.
41. Paripatyadar, S., S. Riphung and **H.V. Ghate** (2014). ). First report of the female of an aquatic bug *Cheirochela assamensis* Hope, 1841 (Hemiptera: Heteroptera: Naucoridae) from Northeast India. **In Press: Journal of Threatened Taxa, Jan 2015 issue**
42. Paripatyadar, S., S. Gaikwad and H.V. Ghate (2015). Authentic report of *Ceresium leucosticticum* White (Coleoptera: Cerambycidae: Callidiopsini) from Pune and Satara in Maharashtra State. *Bugs R All Newsletter of the Invertebrate Conservation & Information Network of South Asia* **In Press Jan 2015**

#### **Narendra M. Naidu:**

43. Ghate H.V. and **Narendra M. Naidu** (2013). First record of *Oplatocera halli* Lepesme, 1956 (Coleoptera: Cerambycidae) from Western India. *Journal of Threatened Taxa*, **5**(17): 5301–5304

#### **Yugandhar S. Shinde:**

44. **Shinde, Y.S., R. Victor & K. Pai** (2014). Freshwater ostracods (Crustacea: Ostracoda) of the plateaus of the northern Western Ghats, India. *Journal of Threatened Taxa* **6**(4): 5667–5670; <http://dx.doi.org/10.11609/JoTT.o3610.5667-70>
45. Kulkarni, M.R., Sameer Padhye, A. I. Vanjare, S. S. Jakhalekar, **Yugandhar Satish Shinde**, S. V. Paripatyadar, S. D. Sheth, Siddharth Kulkarni, S. K. Phuge, Kalyani Bhakare, A. S. Kulkarni, Kalpana Pai and Hemant V. Ghate (2015). Documenting the Fauna of a Small Temporary Pond from Pune, India. **In Press: Journal of Threatened Taxa.**

#### **19. 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) and Vermitechnology and Waste management (Mr.N.M.Naidu). Thus far it is Non-remunerative consultancy.



20. Faculty as members in

- a) National committees NIL
- b) International Committees NIL
- c) Editorial Boards:  
Dr. Hemant V. Ghate as reviewer for  
International Journals- Zootaxa, Zoological Journal, Taprobanica  
Indian Journals - Journal of Threatened Taxa, Biosystematica

21. Student projects

- a) Percentage of students who have done in-house projects including inter departmental/programme: Approximate 20% students are involved in projects with Zoology department (more than 60% T.Y. B.Sc. Zoology students have done in-house department)
- 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.

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

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

- 1. Magnus Apelqvist, Jönköping University, Sweden (Jan. 2010)
- 2. Prof. (Mrs.) Dipsikha Bora, Dibrugarh University, India (Nov. 2010)
- 3. Christopher Thorp-Dixon, University of Plymouth, UK (April 2012, July 2014)
- 4. Dr. Kailash Candra, Zoological Survey of India, India (Oct. 2012)
- 5. Dr. Bulganin Mitra, Zoological Survey of India, India (Nov. 2012)
- 6. Ms. Sohini Vanjari, Cambridge University, UK (Feb. 2014)
- 7. Stuart Roberts, Reading University, UK (Feb. 2014)
- 8. Lewis Davies, University of Plymouth, UK (July 2014)
- 9. Jane Akernan, University of Plymouth, UK (July 2014)
- 10. Todd Lewis, University of London, UK (July 2014)
- 11. Dr. Ramesh R. Bhonde, Manipal University, Karnataka (Jan. 2014)
- 12. Kiran Puandare, KICA, (Sept, 2014, Feb, 2015)
- 13. Sandeep Gaikwad, Pune (Jan, 2015)
- 14. Yu- Lun Wang, National Tsing Hua University, Taiwan (Jan, 2015)
- 15. Cheng-Yao Lo, National Tsing Hua University, Taiwan (Jan, 2015)
- 16. Dr. Rajendra Singh, Tarun Bharat Sangh, Rajasthan, India (Feb, 2015)
- 17. Deepak Modak, Chief Engineer (Rtd.) Koyana Dam, Pune (Feb, 2015)
- 18. Dr. Neelesh Dahanukar, IISER, Pune, India (Feb, 2015)
- 19. Nikhil Modak, MES Garware College, Pune, India (Feb, 2015)
- 20. Dr. Satish Pande, Ela Foundation, Pune, India (Feb, 2015)
- 21. Anirudh Chaoji, Pugmark, Pune (Feb, 2015)
- 22. Dr. Anand Padye, MES Garware College, Pune, India (Feb, 2015)
- 23. Prof. Venkat Gunale, Savitribai Phule Pune University, Pune (Feb, 2015)
- 24. Dr. Prdnya Kanekar, Pune, (Feb, 2015)
- 25. Dr. Erach Barucha, BVIEER, Pune (Feb, 2015)
- 26. Dr. Ganesh Margaj, Sawantwadi, India (Feb, 2015)
- 27. Dr. B. B. Nath, Savitribai Phule Pune University, Pune (Feb, 2015)
- 28. Dr. R. M. Sharma, Ex- Director, ZSI, India (Feb, 2015)



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

State level Seminar on 6<sup>th</sup> and 7<sup>th</sup> February 2015, on 'Freshwater Ecosystems of Maharashtra : Their Biota, Ecology and Health'.

Dr. Rajendra Singhji was Chief Speaker for the Inaugural Function. And 18 resource persons from various fields were invited for the seminar.

Source of funding: BCUD-Savitribai Phule Pune University, Pune-7.

25. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
T.Y.B.Sc.(Zoology)					
2010-2011	11	11	2	9	90
2011-2012	11	11	3	8	90
2012-2013	10	10	4	6	90
2013-2014	26	26	9	17	96.15

\*M=Male F=Female

26. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
T.Y.B.Sc.(Zoology)			
2010-2011	91	9	0
2011-2012	100	0	0
2012-2013	100	0	0
2013-2014	88.5	11.5	0

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

NET: 01, GRE: 01

28. Student progression: From year 2010-2011 to 2013-2014 :

Student progression	Against % enrolled
UG to PG	31
PG to M.Phil.	0
PG to Ph.D.	0
Ph.D. to Post-Doctoral	0
Employed	
● Campus selection	
● Other than campus recruitment	?
Entrepreneurship/Self-employment	?

29. Details of Infrastructural facilities

- a) Library
  - i) Stacking cupboards for books
  - ii) Laboratory space for reading whenever available
- b) Internet facilities for Staff & Students:  
Six separate ports of internet available within the laboratory.
- c) Class rooms with ICT facility:  
All the three classrooms where courses in Zoology conducted have ICT facilities.
- d) Laboratories:  
Two laboratories for undergraduate level and one laboratory for PGRC.

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

31. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts:  
2011-2012

Study tour for TYBSc students was conducted during January 2011 by Mr.B.T.Kalbage. Students visited coastal Konkan area to study marine life at various locations such as Ratnagiri, Dapoli and Shrivardhan. These students had an opportunity to learn a lot about fishing methods, fishing gear and methods of fish processing, etc., from the experts. They could study fish catch and also photograph many marine animals on the coast. They also visited Dr. Babasaheb Ambedkar Marathwada University's Centre for Coastal and Marine Biology Institute, Ratnagiri, the local college of fisheries and the Government Museum where live marine animals are exhibited in aquariums. On this tour students also had an opportunity to visit Konkan Krishi Vidyapeeth, Dapoli. Here they observed a large number of agriculturally important insects and projects related to Applied Entomology.

2012-2013

**Educational visits/ Excursion tours:**

An educational tour was arranged for the F.Y.B.Sc. 'B' students on 5<sup>th</sup> March 2013. Places visited were Morachi Chincholi and Ralegan Siddhi.

Morachi Chincholi is a Peacock sanctuary and also has a small zoo along with a package of few sporting facilities and entertainment events.

Ralegan Siddhi, is an ideal village developed by the villagers inspired and guided by the great social worker Shri. Anna Hazare. Students were overwhelmed to witness the real meaning of Sustainable development, which until then was only read in books. They also saw the museum where all awards and honours received by Anna Hazare were displayed. The unforgettable part of this educational visit was the direct meeting of Anna Hazare with all the students. He addressed the students whole-heartedly and spoke to them about Value system and leading a meaningful life.

Dr. Bhalerao, Mr. Naidu, Prof. Kalbage, Mrs. Sathye and Mr. Jakhalekar lead the tour. Non-teaching staff Mr. Daundkar and Mr. Kanhere accompanied them.

The students of S.Y.B.Sc. 'B' were escorted by Prof. Kalbage and Mr. Naidu during two educational visits.

In the first term we had the visit to the College of Agriculture, Pune. Prof. Lawande of the Entomology department briefly explained to the students the activities and projects of their college. Later the students were shown the Agricultural pests' museum.

In the second term we had a visit to the Central Bee Research and Training Institute, Pune. Museum visit, Lecture-cum -demonstration on Bee-keeping and a film show was arranged by the Institute for our students. New staff members Dr. Shinde and Dr. Kudnar also accompanied.

Both the visits proved very useful to the students as they were directly related to their syllabus.



An excursion tour for the **T.Y.B.Sc.Zoology** students was conducted in January 2013, by Prof.Kalbage and Mr.Jakhlaekar accompanied by Mr. Yogesh Zare of the non-teaching staff .Their prime interest being study of sea-coast fauna, they explored areas near Sawantwadi, Malvan, Deobag and Goa. It was an exciting experience for all to watch live animals in their natural ambience.A special visit was paid to National Institute of Oceanography (NIO), Goa.

#### Integrated Vermitechnology Training Course:

Our department in collaboration with Institute of Natural Organic Agriculture (INORA) and PRAJ Foundation conducted this Add-on Course this year too. Two batches successfully completed the training course. The course for the first batch of 22 participants was held in August -September 2012 and for the second batch of 11 participants in February- March 2013.

One of the participant this year was an international student (from Iran) pursuing his Ph.D. in the University of Pune.

As usual the highlight of this course was the Day of Field visit. The primary site was the INORA project at Daravali. This included also visits to individual bungalows, Vermicompost units in large residential complexes and the INORA office at Bavdhan. It was an eye-opener and an enriching experience for the participants.

Mr.Vinayak Kelkar, Chief Programme Officer of PRAJ Foundation was present for the Valedictory function. He also delivered lectures for both the batches. Managing Trustee of PRAJ Foundation Ms. Parimal Chaudhari was very supportive and encouraging. Ms. Manjushree Tadvalkar, Managing Trustee of INORA, Ms. Nutan Bhajekar and the INORA Team whole-heartedly contributed in all ways in this course.All teaching and non-teaching staff members of the department were actively involved in this activity.

In the month of July a **Get-together** of IVTC participants of all previous batches was organized by our department. Dignitaries of INORA and PRAJ Foundation were also present. This informal follow-up meeting was specially held to assess the utility and long term impact of this course. It was heartening to note that out of 35 participants turned up that day 14 participants were regularly practicing Waste Management techniques that they had learnt here.

Vedant Kadam one of the participants of the previous batch was felicitated by PRAJ Foundation in a Public programme, to appreciate his efforts in setting up Vermicompost plant in his locality by motivating his neighbourhood.

Students from Symbiosis College pursuing their post-graduate course in Management sought help regarding Vermitechnology. Narendra Naidu and students working under the Earn and Learn Scheme for maintenance of the Vermicompost Unit of our college guided them for their project.

#### Alumni activities

Past students visited our department and had formal as well as interaction with the present students.

**Ushma Shukla** spoke to the T.Y.B.Sc. students on Teachers' Day(5<sup>th</sup> September 2012) about prospects in Life-Sciences and also about her field experiences during her studies of Wild-Life. It was an exciting experience.

**Dr. Bhuvanesh Awasthi** delivered an interesting lecture on 17<sup>th</sup> January 2013 on "How do we 'see' this world—Neuroscience of visual perception" for F.Y.B.Sc. students followed by question- and-answer session.

Later he addressed the T.Y. B.Sc. Zoology students on "What is this thing called Science?"A lively Interaction followed.

**Dr. Mandar Kulkarni, Girish Shelar and Dr. Meghana Kanitkar** had an informal session in January 2013 on Career guidance and sharing of their academic and professional profiles with current batch of T.Y. B.Sc. Zoology students.

**Manali Gudmeti** of T.Y.BSc. was the topper in T.Y.B.Sc.Zoology for the year 2011-12 She bagged the Prof.Mora Teja Chauhan Prize.



**Educational visits/ Excursion tours:**

- F.Y.B.Sc. 'B' had a one-day educational trip to Shirgaon and areas nearby the backwaters of Pawana Dam with the intention of studying biodiversity of water bodies. Dr. Y.S.Shinde, Prof.Rahul Gaikwad and Prof .B.T.Kalbage took initiative in organising this trip. Mr.Umesh Gore (Lab.Asst.) and Mr.Yogesh Jare (Lab. Attendant) accompanied the group.
- An educational visit of the S.Y.B.Sc.students was arranged to College of Agriculture, Pune and Central Bee Research and Training Institute, Pune. Another visit was arranged to Fish-Seed Farm at Hadapsar. Prof.B.T.Kalbage took lead in organizing these visits. Four staff members accompanied the students.
- An excursion tour of the T.Y.B.Sc. students was organised in February 2014, by Mr.Narendra Naidu and Dr.P.S.Kudnar. Sea coast animals at Malvan, Ratnagiri, Harne and Harihareshwar were observed and studied. Institutional visits included National Institute of Oceanography-Goa, Konkan Krishi Vidyapeeth, Dapoli and Marine Biology Research Centre, Ratnagiri. It was an enriching experience for the students.
- In addition to this, at Ratnagiri, the students visited the birthplace of Lokmanya Tilak and the historical Patit Pawan Mandir of Veer Savarkar. This aroused a patriotic feeling in their minds.
- All our teaching staff and our laboratory assistant visited Bio- Era at Tathavade, Chinchwad. This unique visit was arranged by the department at the beginning of this year to have a know-how of many new equipment purchased by our college in the recent past and also to get familiar with sophisticated instruments and techniques in advanced biology.

**Workshops/Seminars/ Conferences**

- Mr. Narendra Naidu and Dr. P.S.Kudnar completed a Hands-on-Training programme in 'Advanced practicals in Molecular Biology', in September 2013 at Bio-Era, Tathavade.
- Prof. B. T. Kalbage and Dr. Kudnar attended the workshop on 'Framing of F.Y.B.Sc. syllabus at H. V. Desai College, Pune.
- Prof. B. T. Kalbage attended another workshop on 'Framing of S.Y.B.Sc. syllabus at Hutatma Rajguru College, Rajgurunagar.
- Dr. Shinde was invited to deliver a talk on 'Taxonomy of Freshwater Invertebrates' on 8th March 2014 in a workshop at B.P.H.E. Society's Ahmednagar College, Ahmednagar. He was also invited to speak in a workshop on Environmental education for school children at Vishva Nirmala Vidya Mandir, Jejuri, and 1st-2nd February 2014.
- Dr. Shinde participated in the following Conferences:
  - i. State level conference "Recent Trends in wildlife and its conservation" at KANMS Arts, Commerce and Science College, Satana, 20<sup>th</sup> -21<sup>st</sup> Sept 2013.
  - ii "Taxonomy and ecology of freshwater zooplanktons: Theory and practice with emphasis on scientific manuscript preparation", Department of Zoology and Botany, University of Pune, India, 25-28 November 2013.
- All members of the staff actively worked during the International Conference on "Environmental Conservation by Adopting new Technologies" (ICECANT 2014) organized by our college on 28th & 29th January 2014.
- Mrs. R. S. Bhalerao was a member of the Felicitation Committee, Dr. P. S. Kudnar was member of the Stage Committee, Prof. B. T. Kalbage was member of the Organising Committee, Dr. Y. S. Shinde was a Committee member and Session rapporteur, Mr.N.M.Naidu was Chairman of Poster Committee and Coordinator for one session and Dr.Bhalerao was the Chairman of Poster Committee. Mr.Umesh Gore and the entire non-teaching staff of the department tirelessly worked for this event.



**Activities carried out under UGC-CPE Scheme:**

- For effective teaching during practicals, e-learning material was prepared. Departmental staff members and under-graduate students dissected different animals viz. Earthworm, Starfish, *Scoliodon*, *Pila*, and Grasshopper and also prepared whole mount of chick embryo. Video recording of the dissection steps was done.
- Guest lecturers of following eminent personalities from industries and research institutes were arranged.

**LECTURE SERIES UNDER UGC-CPE SCHEME**

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

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



Activities carried out under DBT-STAR College Scheme:

**LECTURE SERIES UNDER DBT-STAR COLLEGE**

Sr.No.	Date	Resource Person	Topic
1.	15/07/2013	Dr. Abhijeet A. Safai	Clinical Endocrinology
2.	30/07/2013	Dr. A. A. Babrekar	Cytogenetics
3.	10/08/2013	Mr. Sachin Ranade	Vulture conservation
4.	05/09/2013	Ms. Sohini Vanjari	Conservation genetics of butterflies
5.	13/12/2013	Ms. A. Pradhan	Career opportunities in Hospital Management
6.	28/12/2013	Dr. S. M. Ghaskadbi	Developmental mechanism underlying evolution of body plan in animals
7.	09/01/2014	Dr. R. R. Bhonde	Magic of Stem Cells
8.	01/02/2014	Dr. Kamalesh Chavan	Snakes and Tips for Jungle Trail (Talk on field at Dhamapur Jungle)
9.	12/02/2014	Dr. Bhuvanesh Awasthi	Neurobiology and Epigenetics

**ZOOVISION – A unique exhibition**

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

Posters, static models and working models were enthusiastically prepared by the students. Topics had a wide range covering Animal diversity, Anatomy, Physiology, Evolution, Fossils, Apiculture, Insect Pests, Sericulture, Vermiculture and several other areas of Life-Sciences.

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

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

**Special Visits/Trips**

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

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

**Quiz Contests**

In the month of December 2013 a quiz named **Zoo Quiz**, based on undergraduate Zoology syllabus was conducted. A written quiz was held for elimination and then the Team event was conducted.



### **Projects for Students :**

Each staff member of the department has taken responsibility of a group of interested students and simple projects in Life-Sciences have been assigned to them.

Areas covered are freshwater fauna, biodiversity of spiders, experiments in vermiculture, survey methodology, basic entomology, life-cycle study of certain insects, physico-chemical properties of rivers and nearby agricultural soil and their effects on freshwater fauna, basic anthropology and *Drosophila* culture.

Two students had Hands on-training in Pathology and three students in Dietetics.

Extra- practicals (out of syllabus) were conducted for F.Y. BSc. students and also for T.Y. BSc. Students. Staff members from Department of Biotechnology and Department of Microbiology extended their full cooperation in this activity.

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

### **Special Workshop on Microscopy**

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

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

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

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

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

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

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

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

- Prof. Rahul Gaikwad participated in "Avishkar" competition, University of Pune. He was selected for the Final round at Jalgaon.
- Dr. P. S. Kudnar presented a research paper entitled "Study of nutritional potential of zooplankton *Moina macracopa*" at the State level seminar held on 27<sup>th</sup> -28<sup>th</sup> Dec. 2013 at New Arts, Commerce and Science College, Shevgaon.
- Dr. Y. S. Shinde presented a paper at "International Conference on Biosciences with Special Reference to Environmental Issues" (ICBEI-2013) Department of Zoology, Shivaji University, Kolhapur (MS) India (December, 19-21, 2013)
- Ph.D. research students enrolled in our P.G.R.C. submitted their half yearly progress report.
- Dr. H. V. Ghate and Mr. N.M. Naidu published their research paper in International Journal.
- Mr. N. M. Naidu went for Survey work to places in around Kolhapur and Beed. He also made a Study visit to ZSI, Kolkata.
- Dr. Y. S. Shinde has submitted minor research project to BCUD, University of Pune



- Prof. B.T. Kalbage registered for Ph.D. under University of Pune

### **Integrated Vermitechnology Training Course:**

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

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

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

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

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

### **Alumni activities**

Past students visited our department for delivering lectures and often for informal interaction with the present batches. These were Dr. Ananda Babrekar, Dr. Bhuvanesh Awasthi, Mr. Sachin Ranade, Dr. Manisha Modak, Dr. Mandar Kulkarni, Dr. Meghana Kanitkar, Mr. Sachin Borse, Mrs. Manuja Mundhe and Miss Apeksha Rao.

Four students viz. Ashutosh Alekar, Pallavi Shewale, Prashant Gundal and Sneha Kamat, from the previous batch, under the guidance of Dr. Shinde designed and prepared a display chart on Career Opportunities in Zoology.

Pallavi Shewale was the topper in the T.Y.BSc. Zoology batch of the year 2012-13. She bagged the Prof. Mora Teja Chauhan Prize.

The entire year was full of activities which kept the students, non-teaching staff and teaching staff busy and active throughout the academic calendar

### **32. Teaching methods adopted to improve student learning: Points will be elaborated**

- 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



33. 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.

34. SWOC analysis of the department and Future plans

**Strength:**

1. Our department has the oldest Post Graduate Research Centre in the college. It has maintained reputation of being one of the best research centre in Zoology under Savitribai Phule Pune University.
2. We have well qualified teachers.
3. Retired teachers of our department are often invited as visiting faculty.  
They are available for academic and administrative guidance whenever it is necessary.
4. 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.
5. 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.
6. Dr. H.V. Ghate and Dr. A. M. Bhalerao contributed in Board of Studies. Our faculty members are also involved in university and college examination at higher level.
7. Teaching staff of our department received Best teacher award.
8. Zoology Association is active in arranging lectures, workshop, contests and exhibitions.
9. Our department efficiently utilizes available funds and infrastructural facilities.
10. We have a very enthusiastic and cooperative non-teaching staff.

**Weakness:**

1. Constrains of space.
2. More members of temporary teaching staff.

**Opportunity:**

1. Funds received from various funding agencies DBT/UGC/BSR etc have proved useful to involve students and staff in research projects, contests and several other academic activities without financial constraints.
2. Recently joined staff members are both PhD holders. Even among the temporary staff there are two PhD holders and one is SET qualified. This has helped the department to launch new activities in research and teaching for the benefit of students.
3. The current situation in the department is academically favorable for restarting PG teaching programme.

**Challenges:**

1. Ban on dissections on animals has lead to searching alternates for such practicals with respect to understanding anatomy and also the skill needed in dissections.
2. Issues related to environmental and biodiversity are recently increasing. The teaching and inputs in syllabus need to immediately address these issues.



3. 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.
4. 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.

#### **Future plans:**

1. Addition to existing skill development courses which would include:- Apiculture, Basic taxonomy and biodiversity, Micro-techniques, Instrumentation, Public health and hygiene.
2. Increasing participation of students in projects and hands on training including summer training.
3. Our department will also take efforts towards career guidance, campus interviews and creating a placement cell.
4. Organizing visits / training for staff and laboratory assistant for enhancement of skills.
5. Re- start PG teaching programme.
6. Contribution of research students at our PGRC in teaching and practical for UG and PG students.
7. Half yearly meeting of research students and guides of department with research scholars and university authorities.

#### **Department of Zoology: Activities :**

**Educational visits/ Excursion tours:** F.Y.J.C. (11th Science) had a one-day educational trip to Horticulture Training Centre, Talegaon. Teaching staff of Junior college Mrs. V. V. Chabukswar, Mrs. A.S. Deshkar, Mrs. R. S. Bhalerao and Dr. P. S. Kudnar, from Senior wing escorted the students. **It was for the first time that such an educational trip was organized for the students of Biology.** An educational visit of the students of S.Y.B.Sc. 'B' was arranged to Central Bee Research and Training Institute, Pune. Prof. B.T.Kalbage took lead in organizing this visit. Three staff members accompanied the students. An excursion tour of the T.Y.B.Sc. Zoology students was organised in February 2015, by Prof.B.T.Kalbage and Dr.Y.S.Shinde. It was an enriching experience for the students to observe and study sea coast animals at Malvan, Sindhudurg, Vengurla, Deobag and Amboli. The visit to National Institute of Oceanography (NIO)-Goa, proved to be very informative. Students were excited to observe live culture of sea horse and prawns.

#### **Special Visits**

The final year students visited the Department of Zoology and Department of Anthropology of Savitribai Phule Pune University. Dr. Yugandhar Shinde, Dr. P. S. Kudnar, Dr. R. R. Gaikwad and Prof. B. T. Kalbage accompanied the students. T.Y.B.Sc. students visited National AIDS Research Institute (NARI), Pune, on World AIDS day, along with Dr. Yugandhar Shinde and Dr. R. R. Gaikwad.

**Organization of State level Seminar** Department of Zoology of our college took lead in organizing a Seminar on 6th and 7th February 2015. This State level Seminar was funded by Board of College and University Development (BCUD), Savitribai Phule Pune University, Pune and by P.E.Society's Modern College of Arts, Science and Commerce, Shivajinagar. **It was the first time that the Department of Zoology organized a State level Seminar. The theme was "Freshwater Ecosystems of Maharashtra: Their Biota, Ecology and Health".** **Dr. Rajendra Singh, Waterman of India (JalPurush), inaugurated the Seminar.** Eminent resource persons contributed as per their expertise and experience on various aspects related to the theme. Dr.R.M.Sharma, Ex-Director, ZSI, Akurdi was the Chief Guest for the Valedictory function. Each and every staff member of the department took responsibility of at least one session each, in addition to the overall organizational work. The nonteaching staff and the T.Y.B.Sc. Zoology students worked incessantly and whole -heartedly for this Seminar. There was an overwhelming registration of undergraduate students of our college.



## Activities under DBT Star College Scheme, New Delhi

### Lecture Series :

- Prof. Piyush Pahade and Prof Gorakhe from H. V. Desai College, conducted a workshop on "Scientific Sketching and Labeling Skills in Zoology".
- Mr.Aditya Takale -"Pet care- Hobby & Profession"
- Mr. Rohit Nagalgaon shared his experiences on "Mahseer Breeding and Conservation"
- Mr. Kiran Purandare spoke on "Ecology and restoration of natural water-holes and creation of eco-friendly water-holes"
- Dr.Sanjay Gaikwad - presentation on "Animal human conflict: Leopard- rescue and precautions"
- Dr. Abhijeet Safai taught "Clinical Endocrinology" to T.Y.B.Sc. students.
- Mr. Shashank Nambiar guided on "Setting Goals and Career Opportunities in Research Abroad"
- Vasundhara Film Festival on environment- Kirloskar group and Lokayat. \_ Mr.Rajan Thakkur NCBS, Bangluru spoke on "Research Opportunities in Life Sciences"
- Ms. Ushma Shukla spoke on "A Day in The Life of Naturalist"

**ZooVision - A unique exhibition** This exhibition cum competition was organized on January 2015. Posters, static models and working models were enthusiastically prepared and displayed by the students. Topics had a wide spectrum covering Animal diversity, Animal Conservation, Anatomy, Physiology, Evolution, Virology, Apiculture, Insect Pests, Ornithology, Developmental Biology and several other areas of Life-Sciences More than 150 students in 32 groups worked under the guidance of Mrs. V.V.Chabukswar, Mrs. A. S. Deshkar, Mrs. R. S. Bhalerao, Ms. Netra Kulkarni, Dr. A. A. Babrekar, Dr. R. R. Gaikwad, Dr. Y. S. Shinde, Dr. P. S. Kudnar, Prof. B. T. Kalbage, and Mr. N. M. Naidu for this unique exhibition 'ZOOVISION'. Principal Dr.R.S.Zunjarrao inaugurated the exhibition. Vice-Principal Prof.S.R.Chaudhari, staff members from other departments and many students visited the exhibition. School children from P.E.Society's Modern High School (English medium, Marathi medium and the Girls School) also came in large numbers. The young minds listened intently to the explanations given by our student volunteers. Dr. Mrs.Sushama Thatte and Prof.Mrs.Charu Butala, both retired staff members of our department were the Judges for this ZooVision Competition.

**Memory training workshop:** Our department also organized a workshop for Mind Power Technique training on 5th Jan 2015. Mr.Sandeep Gaikwad –a MITCON Certified Trainer successfully conducted a training programme for the students of T.Y. B.Sc. Botany and T.Y.B.Sc. Zoology. The feedback of those students was good.

**Projects for Students:** Four students had Handson-training in a renowned Pathology laboratory in Pune upon the initiative of Dr. Ananda Babrekar. Six students have learnt *Drosophila* Culturing and maintenance under the guidance of Dr. Rahul Gaikwad. Two students have undertaken Survey and Taxonomy work on Spiders in certain areas of Pune and Satara. Dr. Yugandhar Shinde has facilitated this project and the students are working under the guidance of Spider Expert Mr.Siddharth Kulkarni of Satara.

## Department of Commerce

1. **Name of the department :** Department of Commerce
2. **Year of Establishment :** 1970
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)-** B.Com, M.Com, Ph.D., BBA, BCA, MCA (Commerce)
4. **Names of Interdisciplinary courses and the departments / units involved—?**
5. **Annual / semester / choice based credit system (Programme wise)-** B.com- Annual, M.Com- Credit system, BBA, BCA, MCA- Semester
6. **Participation of the department in the courses offered by other departments- Lectures by members of the department:**
  - Lectures for Biotechnology T.Y.B.Sc. (Bio-Process economics)
  - Lectures for First Year BBA and BCA- Advance Accounting and Costing
  - Lectures for T.Y.B.Sc. - Entrepreneurship Development
7. **Courses in collaboration with other universities, industries, foreign institutions, etc. —**
8. **Details of courses / programmes discontinued (if any) with reasons: No**
9. **Number of teaching posts:—**

	Sanctioned	Filled
Professors	0	0
Associate Professors	6	6
Asst. Professors	6	6
*Two part time 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 are working Under guidance for the last 4 years
Dr. Y. R. Waghmare	M. Com., F.C.A., Ph.D.	Associate Professor	Accounting, Costing	35	04
Dr. S. K. Rahane	M. Com., M. Phil., Ph.D., M.A. (Psychology -Counseling)	Associate Professor	Accounting, Costing	32	
Dr. A. V. Kamble	M.Com., M.Phil., Ph.D	Associate Professor	Marketing	28	02
Prof. S. Ahiwale	M. Com., M.A. (Eco), M. Phil.	Associate Professor		25	
Dr. R. W. Kulkarni	M. Com., F.C.M.A., M. Phil, M.M.S.,Ph.D.	Associate Professor	Costing	31	
Dr. V.N. Gaikwad	M. Com., SET, Ph.D.	Associate Professor	Advanced Accounting	22	
Prof. S. R. Hirve	M. Com., SET	Assistant Professor	Accounting, Costing	16	
Prof. R. D. Bansode	M.Com., D.T.L., G.D.C.& A., NET	Assistant Professor	Advance Accounting	14	
Prof Moreswar	M.Com., M.A.(Eco), SET	Assistant Professor	Advanced Accountaing and Taxation	05	
Prof. R. D. Jadhav	M. Com., NET	Assistant Professor	Advanced Accounting and Taxation	03	
Prof. R. Y. Deshpande	M. Com., M.B.A., LL.M.,NET	Assistant Professor (Part time)	Mercantile Law	30	
Prof. Rasika Date	M. Com., SET., A.C.A.	Assistant Professor (Part time)	Advance Accounting & Auditing	20	
Prof. P. N. Sabne	M.Com, GDCA	CHB	Advance Accounting and Taxation	4	

11. List of senior visiting faculty- —
12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty- —
13. Student – Teacher Ratio (programme wise) - B.Com- 120:1, M.Com. - 60:1
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled- Administrative Staff (sr clerk) - 2, Assistant (Jr Clerk)- 1.
15. Qualification of teaching faculty with DSc / D.Litt / Ph.D / M.Phil / PG.

Name	Qualification
Dr. Y. R. Waghmare	M. Com., F.C.A., Ph. D.
Dr. S. K. Rahane	M. Com., M. Phil., Ph. D., M. A. (Psychology -Counseling)
Dr. A. V. Kamble	M. Com., M. Phil., Ph. D.
Prof. S. Ahiwale	M. Com., M.A. (Eco), M. Phil.
Dr. R. W. Kulkarni	M. Com., F.C.M.A., M. Phil, M.M.S., Ph.D.
Dr. V. N. Gaikwad	M. Com., SET, Ph.D.
Prof. S. R. Hirve	M. Com., SET
Prof. R. D. Bansode	M.Com., D.T.L., G.D.C.& A., NET
Prof. R. D. Jadhav	M. Com., NET
Prof. R. Y. Deshpande	M. Com., M. B. A., LL.M., NET
Prof. Rasika Date	M. Com., SET., A.C.A.
Prof. P. N. Sabne	M.Com, GDCA

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: - Research Centre
19. Publications:

**Corporate Accounting (Text Book of S.Y. B.Com)**

**Atharva Prakashan, (June 2014) Dr. Y. R. Waghmare**

- a) Publication per faculty
- Number of papers published in peer reviewed journals (national / international) by faculty and students
- Number of publication listed in International Database (For Eg: Web of Science, Scopus, Humanities International Complete, Dare Database – International Social Sciences Directory, EBSCO host, etc.)
- Monographs – Monograph on New Companies Act, 2013. (Published in February, 2014)
- Chapter in Books: NIL
- Books Edited: NIL
- Books with ISBN/ ISSN numbers with details of publishers: NIL
- Citation Index: NIL
- SNIP: NIL
- SJR: NIL



- Impact factor: NIL
- h-index: 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 –

CA Rasika Date works as Avishkar Co-coordinator of the college and has been motivating students for participation in Avishkar Competition since year 2009-10 till date. 5 students participated

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

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

23. Awards / Recognitions received by faculty and students-

Best Teacher Award was given to two members of the department by Progressive Education Society.

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

Dr. Banerjee, Head- Department of Commerce — Calcutta University

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

a) National – 01 (name And the source of funding)

b) International

26. Students profile programme / course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B.Com	1906	93	36	57	81%
M.Com	155	57	24	33	68%

\*M = Male      \*F = Female

27. Diversity of Students

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
B Com	91.0009%	8.00%	.0001
M Com	99.75	0	0.25

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

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.	Not applicable
PG to Ph.D.	Not applicable
Ph.D. to post –Doctoral	—
Employed- Campus selection- Other than campus recruitment	Being a traditional course, students look forward for further education.
Entrepreneurship / Self-Employment	—

30. Details of infrastructural facilities

- Library - Yes
- Internet facilities for staff & Students - Yes
- Class room with ICT facility – Yes, 8 out of 12 classes.
- Laboratories - Yes

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

GOVERNMENT SCHOLARSHIP & FREESHIP (GRANT) 2013-14

Sc	CLASS	SCHOLARSHIP	FREESHIP	TOTAL
	B.COM	22	9	31
	M.COM	9	1	10
OBC	CLASS	SCHOLARSHIP	FREESHIP	TOTAL
	B.COM	19	10	29
	M.COM	8	1	9
SBC	CLASS	SCHOLARSHIP	FREESHIP	TOTAL
	B.COM	4	2	6
	M.COM	0	1	1
NT	CLASS	SCHOLARSHIP	FREESHIP	TOTAL
	B.COM	12	2	14
	M.COM	3	1	4
ST	CLASS	SCHOLARSHIP	FREESHIP	TOTAL
	B.COM	4	2	6
	M.COM	1	0	1



#### GRANT

Pune Vidyapeet Gunwant Shishyavrutti Yojana	B.COM	1	M.COM	0
Pune Vidyapeet Gunwant Shishyavrutti Yojana	B.COM	1	M.COM	1
Pune Vidyapeet Arthik Durbal Ghatak Shishyavrutti Yojana	B.COM	0	M.COM	1
Gov. EBC	B.COM	1	M.COM	0
Eklayva Yojana	B.COM	0	M.COM	8

32. Details on student enrichment programmes (special lectures / workshops / seminar) with external experts – Guest lectures, Seminars, Soft Skills Development Workshop.
33. Teaching methods adopted to improve student learning – Use of ITC in few classroom.
34. Participation in Institutional Social Responsibility (ISR) and Extension activities – Through NCC and NSS, Vidyarthini Manch
35. SWOC analysis of the department and future plans :

#### Strengths:

- Well qualified staff
- Most department members have PG recognition
- Optional subjects offered including statistics
- Professional qualifications – 3 staff members
- 5 staff members registered for Ph.D.

#### Weaknesses:

- Student, teacher ratio
- Space for discussions and activities
- Few Marathi Medium Students
- Few students having part/ full time job

#### Opportunities:

- More research oriented projects
- More use of digital classroom, virtual classroom, ITC.
- More exposure to practical experience

C

#### FUTURE PLANS

#### Dept of Commerce

#### Academic Results:

The result of B. Com. Examination held in April, 2014 was 66%. The result of M. Com (2008 Pattern) Examination held in May 2014 was 67%. During the year 2013, Credit System was introduced for the first time for M.Com. course by Savitribai Phule Pune University (SPPU), Pune. The results for M.Com Semester I and Semester II Examinations under Credit System were 96%.

**Professional Examinations:** Students of this faculty, along with the University Curriculum, pursue professional courses like C.A., I.C.W.A., & CS. 38 Students from F.Y. and S. Y. B. Com. Class passed CPT Examination and

9 students passed the IPCC Examination of the Institute of Chartered Accountants of India. 4 past students have passed the Final examination of the Institute of Chartered Accountants of India.

**Vyapar Mela:** The Department had organised an exhibition cum sale 'Vyapar Mela 2015', on 20th and 21st January, 2015 with the objective of developing entrepreneurial skill, marketing and salesmanship skills and management skill amongst the students. In this exhibition of the students, for the students and by the students, there were 75 stalls displaying variety of articles. Around 350 students of all the faculties participated in this activity. The exhibition was inaugurated at the hands of Hon. Shri Krishnakumar Goyal (Chairman of Cosmos Cooperative Bank Ltd.). The coordinators of the exhibition were Dr. Vijay Gaikwad, Prof. Sandhya Vartak (Department of Economics) and Prof. Shraddha Hirwe. Hon. Principal Dr. R. S. Zunjarrao, Shri. S. S. Deshmukh (Secretary, PES Society), Dr. Y.R. Waghmare (Vice Principal and Head of Department of Commerce) inspired and guided the organising committee, to make the event a grand success.

**Monograph on Goods and Service Tax (G.S.T.) :** A group of members of the Department has published a Monograph on Goods and Service Tax ( GST ), a proposed indirect tax reform. in India. The efforts and support of our departmental colleagues is acknowledged with gratitude. Also the contribution of Mayer Consultants Pvt. Ltd., PUNE is profoundly acknowledged.

**Exhibition on Entrepreneurs :** An Exhibition on Entrepreneurs was organised under the guidance of Prof. Shraddha Hirwe on 18th Dec., 2014. The objective of the exhibition was to enable students to understand the leadership qualities among Entrepreneurs and get inspiration from their contribution. 50 students from S.Y.B.Com participated and presented posters of Eleven Entrepreneurs.

**Placements -** During the year, Campus Interviews were conducted by Infosys, Deutsche Bank and Thane Janata Sahakari Bank. Placements of the students is awaited.

**Field Visits 2014-15** Prof. S. R. Hirwe and Dr. S.K.Rahane -T.Y.B.Com. C - Chintamani Silk Mills Pvt.Ltd. (Cotton Textile Mill) at Theur. 2 Prof. S. R. Hirwe and Dr. S.K.Rahane - M. ComPart I - Sling Flexi Cartons Pvt.Ltd., Kanhe Phata, Pune

**Research Centre in Commerce** Total Number of Guides – 5 During the year, three scholars (Dr. D.S. Borkar, Dr. Suneel Kelkar and Dr. P.S. Mohite) from the Research Centre were awarded the degree of Ph. D. Three scholars, (Mr. Anil Jagtap, Ms. Veena Kale and Ms. Savita Thorat) have submitted their thesis. There were six fresh enrolments and five more scholars are in the process of enrolment at this Centre.

#### **Department of M.Com.**

1. **Name of the department :** Dept. of Commerce (Non-Grant)
2. **Year of establishment :** M.COM (2012) B.COM (2007).
3. **Names of programmes:** UG-B.Com and PG- M.Com
4. **Names of Interdisciplinary courses and the departments/ unit involved –** No
5. **Annual/semester/ choice based credit system**  
M Com – Semester with choice based credit system
6. **Participation of the department in the courses offered by other departments –** B.COM AND M.COM
7. **Courses in collaboration with other universities/ industries and foreign institutions-** No
8. **Details of the courses discontinued with reasons –** No



9. Number of teaching posts –

	Sanctioned	Filled
Professors	—	—
Associate Professors	—	—
Assistant Professors	—	2 Full Time Approved 2 Full Time Adhoc 2 Visiting Faculty

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 are working Under guidance for the last 4 years
Prof. M. D. Waghmare	M.Com, M.phil, M.P.M	Assistant Professor	Commerce	12 years	Nil
Prof. Vaishali Doshi	M Com, CS-Inter, NET (commerce)	Assistant Professor	Commerce	8 years	Nil
Prof. Niketan Shet	M Com, MBA, NET.	Assistant Professor	Commerce	2.5years	Nil
Prof. Shreya Vaidya	M Com, CWA-Inter, SET	Assistant Professor	Commerce	4 years	Nil

11. List of senior visiting faculties:

Prof. Rohan Bhase (PG)

Prof. Agarwal (PG)

Prof. Pallavi Kulkarni (PG)

Prof. Adv.Ajay Wagh (PG)

Prof. Adv.Salunke (PG)

Prof.CA.Sumit Shah (PG)

Prof.CA.Pradeep Thete(PG)

Prof.Rupali Gupte (PG)

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty  
20%

13. Student teacher ratio (Programme Wise) –

PG- 60 INTAKE

3 FULL TIME AND 2 VISITING FACULTY.

STUDENT TEACHER RATIO 12:1

14. Number of academic support staff and administrative staff sanctioned and filled –

Sanctioned:

Filled: 1 Clerk 1 Peon

15. Qualification of teaching faculty with D.Sc./D.Litt./PhD/M.Phil/PG

PhD pursuing 2

PG 11

NAME	QUALIFICATION
Prof. M. D. Waghmare	M.Com, M.phil, M.P.M.
Prof. Vaishali Doshi	M.com, C.S Inter, NET (Commerce)
Prof. Niketan Shet	M Com, MBA, NET
Prof. Shreya Vaidya	M Com, CWA-Inter, SET

VISITING FACULTY 07

16. Number of faculty with ongoing project from

a. National Nil

b. International funding agencies Nil

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

18. Research centre/facility recognized by the University - Nil

19. Publications

**Prof.M.D.Waghmare:**

- ✓ Presented research paper on Brics at National Level seminar .

**Prof Vaishali Doshi**

Presented Three research papers as

- ✓ Research Paper Presented on “ A COMPARATIVE STUDY OF E-BANKING WITH TRADITIONAL BANKING “in International Research Journal of Commerce, Management &Social Sciences.(Gramonnati Mandals Arts, Commerce &Science college, Narayangaon,Dist-Pune) ISSN-2321-9831-VOL-1-JULY-DEC 2014 .
- ✓ Research Paper Presented as a Co-author and on “Role of Technology in Insurance Penetration in India” at Research paper presentation competition organized by **IndSearch Institute, Bavdhan on 21<sup>st</sup> Feb, 2014**
- ✓ Research Paper Presented on “”Opportunities And Challenges For Banking sector in 2020”at National Conference organized by Modern Institute of Business Management on 24<sup>th</sup> September, 2013 [ISSN – 2347-2405]

Attended two seminars as:

- ✓ Attended workshop on “Research Methodology” in Garware College of Commerce August 2013
- ✓ Attended State Level Seminar on “FDI a boon or a bane “ in Modern College of Engineering Pune.2013



**Prof. Niketan Shet**

Presented four research papers as,

- ✓ Research Paper Presented as an author on "Universal Banking: Financial Mall by Banks" at International Research Journal of Commerce and Management Volume Dec, 2014.
- ✓ Research Paper Presented as a Co-author and Won First Prize on "Strategies for Developing Insurance Product in Rural India" at Research paper presentation competition organized by **IndSearch Institute, Bavdhan on 21<sup>st</sup> Feb, 2014.**
- ✓ Research Paper Presented and Won Consolation Prize on "A Review of Corporate Social Responsibility by Banks in India" at World Conference organized by Y. M. College, **Bharati Vidyapeeth Deemed University on 14<sup>th</sup> Feb, 2014. [ISSN – 2321-8819]**
- ✓ Won third prize for Research Paper Presented on "A Review of Foreign Direct Investment in India" at State Level Conference organized by **Brihan Maharashtra College of Commerce on 8<sup>th</sup> October, 2013.**
- ✓ Research Paper Presented on "Role of Reserve Bank of India in reform period" at National Conference organized by **Modern Institute of Business Management on 24<sup>th</sup> September, 2013 [ISSN – 2347-2405]**

**20. Areas of consultancy and Income generated – NIL**

**21. Faculty as members in**

- |                             |     |
|-----------------------------|-----|
| a. National Committees      | Nil |
| b. International Committees | Nil |
| c. Editorial Boards         | Nil |

**22. Students projects**

- a. Percentage of students who have done in house projects including inter-departmental programme – M Com 46 Students have been guided for their in house projects for Academic year 2013-2014 and for 2014-2015 total 52 students will be guided for in house project. (under university of Pune Regular Course)
- b. Percentage of students placed for the projects in organizations outside the institutions i.e. Research Laboratory, Industry and other agencies  
Nil

**23. Awards/ recognitions received by faculty and students. Nil**

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

1. Dr. Sanjay Kaptan –Head Department of commerce,UNI Pune
2. Dr. Sanhita Athawale –Associate Prof.T.J.College Pune
3. Dr. N. M. Vechalekar-Dean Indsearch Management Institute.
4. Dr. Shashank Pol –Principal Jedhe college of commerce Pune
5. Dr. Nare –Principal
6. Adv. Ajay Wagh - Advocate
7. CA. Sumit Shah –Partner Vakharia and Associates
8. Adv Vaibhav Salunke-Cyber Law Expert
9. Mr. Bhushan Kelkar –IBM Head.
10. Mr. Pushkar Aurangabadkar-Soft Skill Trainer

**25. Seminar/Conferences/Workshops organized and the source of the funding**

1. Lecture series (workshop)under soft skill direct tax by Sumit Shah CA for M.Com
2. Lecture series on Human Rights by Adv Ajay Wagh
3. Lecture series on Cyber Law by Adv Vaibhav Salunke

- a. National No  
b. International No

26. Students profile programme/ course wise:

Name of the Course/programme	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
M.COM 2012-13	80	62	35	25	72%
M.COM 2013-14	75	60	30	30	75%
M Com 2014-15	70	57	30	27	84%

27. Diversity of students :

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
M.COM (PART I) 2012-13	100%	-	-
M.COM(PARTII) 2013-14	100%	-	-
M.COM (PART I)	100%		

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

NATIONAL LEVEL SPORT-4 All India Inter University (khokho, Net Ball, Hand Ball)  
INTERZONAL LEVEL-1- Net Ball

29. Student progression

Student progression	Against % enrolled
UG to PG	60%
PG to M.Phil.	5%
PG to Ph.D.	—
Ph.D. to Post-Doctoral	—
Employed • Campus selection • Other than campus recruitment	
Entrepreneurship/Self-employment	5%

30. Details of Infrastructural facilities

- a) Library- Total books: Main library 9031, Department mcom.500  
b) Internet facilities for staff & students: 100% (Hathway 10mbps) Laptops provided.  
c) Class rooms with Ict facility: 100%  
d) Laboratories : Digital library facility provided.

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

Scholarship under Samaj kalyan SPPU

M.Com -1ST YEAR -15 STUDENTS

M.Com -2<sup>ND</sup> YEAR-18 STUDENTS

Also Department level fee concession is given to selected financially unsound students.



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

M.COM DEPARTMENT

ANNUAL ACTIVITIES 2014-2015

1	Aug 2014	Commencement of the term
2	20Aug 14	Guest Lecture(series) on Human rights and cyber law under credit system. by Adv Ajay Wagh and Adv Salunke
3	28 Aug 14	Guest lecture on "Introduction to Capital Market"by CA Kudwad
4	17 Sept 14	Group Discussion on on C.S.R
5	20 Sept 14	Guest lecture on" Tax Planning & Execution"by CA Gargote
6	23 Sept14	Presentation on Global Industrial Environment
7	30 Sept 14	Guest lecture on "Recent Advances in Cost Accounting & Cost System" by Dr.Nare
8	5 Oct 14	Seminar on "Implementation of Accounting Standards"by CA Sumit Shah
9	12 Oct 14	Presentation on implementation of 5 S under Recent trends inCosting.
10	17 Oct to 21 Oct 14	Term end Exam of sem I and sem III.
11	28 Dec 14	Seminar on Industrial Economics. By Dr.Sanhita Athwale
12	10 Jan 15	Seminar on "IFRS" (International Financial Reporting Standard"By.CA Gargote
13	12 Feb 15	Guest lecture on ""Recent Advances in Auditing"by.Gargote CA
14	18 Feb 15	Guest lecture on Direct tax under skill development syllabus To conducted under credit system.
15	20 Feb 15	Industrial Visit to Maratha Chamber of commerce
18	1 April 15	Term End Exam sem II and sem Iv (to be conducted)
19	29 April 15	Project viva Exam(to be conducted)
20	6 May 15	University Exam (to be conducted )

33. Teaching methods adopted to improve student learning

Chalk & talk

Interactive sessions

Practical sessions

PPT Presentations

Topic wise group discussion

Open Book Test

Assignments, written Test

Mentoring & Counseling sessions (Seminars, workshops & Guest Lectures).

Soft skill lecture

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

In addition to NSS work we have contributed through social week, Road safety week, with regards to ISR

35. SWOC analysis of the department and Future plans

**Strength:**

M.COM under credit system has wide scope as students are guided and trained according to the demands of the industry and economy. Apart from regular curriculum they are getting additional knowledge of Human Rights, Cyber Law and Soft Skill which is essential in present situation.

**Strength :**

Qualified staff, staff has publish various Research Paper, Academic visit to Maratha chamber of commerce. Career and competitive exam counseling given regularly.

**Weakness:**

Since most of the students prefer working in P.G they are not able to take the at most benefits offered by the department.

**Opportunities:**

Commerce branch is always under focus and boom, lot of employment opportunities, becoming entrepreneurs, is available to the students.

Opportunities include: Encourage to do research work by management, participation in National and International conference.

**Challenges:**

Less support staff and faculties is a big challenge. Also mentoring an average student to excel in his course (examination) is always a challenge.

Due to semester system, to provide (updated information), providing practical exposure, is sometimes challenging in limited time frame.

**Future plan:-**

Department will be focusing on the implementing various career enhancing skills for students, by exploring different job opportunities in this competitive world.

**Department of Commerce (Non-Grant)**

1. **Name of the department :** Department of Commerce (Non-Grant)
2. **Year of establishment :** 2007
3. **Names of programmes :** UG-B.Com
4. **Names of Interdisciplinary courses and the departments/ unit involved – No**
5. **Annual/semester/ choice based credit system**  
B.Com. – Annual pattern
6. **Participation of the department in the courses offered by other departments – Yes**
7. **Courses in collaboration with other universities/ industries and foreign institutions- No**
8. **Details of the courses discontinued with reasons – No**



9. Number of teaching posts –

	Sanctioned	Filled
Professors	—	—
Associate Professors	—	—
Assistant Professors	—	3 Full Time Approved 3 Full Time Adhoc 4 Full Time Temporary 1 Part Time Temporary

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 are working Under guidance for the last 4 years
Prof M.D. Waghmare	M.Com, MPM, MPhil, Pursuing Phd	Vice-Principal	Commerce	15 years	Nil
Prof. Philomena Rudolf Fernandes	MA, B.Ed, NET	Assistant Professor	Economics	12 years	Nil
Prof. Niketan Shet	M Com,MBA, NET-JRF	Assistant Professor	Commerce	2 years	Nil
Prof. Pravin Salunke	M Com, GDCA, SET, CA-IPCC	Assistant Professor	Commerce	7 years	Nil
Prof. Vaishali Doshi	M Com, CS-Inter,NET	Assistant Professor	Commerce	7 years	Nil
Prof. Shreya Vaidya	M Com, CWA-Inter, SET	Assistant Professor	Commerce	4 years	Nil
Prof. Mina Gawande	MSc, M.Phil (Stats)	Assistant Professor	Commerce	8 years	Nil
Prof. Yuvraj Shelke	MA, M Phil	Assistant Professor	English	3 years	Nil
Prof. Maitreyee Phadnis	M Com, DTL	Assistant Professor	Commerce	3 years	Nil

Prof. Bhoomika Parmar	M Com	Assistant Professor	Commerce	6 years	Nil
Prof. Sangeeta Mavale	M Com, MPM	Assistant Professor	Commerce	12 years	Nil

11. List of senior visiting faculties:

Prof. Swati Pathak (UG)

Prof. Ankush Kale (UG)

Prof. Prerana Ubale (UG)

Prof. Kanchan Shelke (UG)

Prof. Agarwal (PG)

Prof. Pravin Athawale

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty  
20%

13. Student teacher ratio (Programme Wise) –

UG- 91: 1

14. Number of academic support staff and administrative staff sanctioned and filled –

Sanctioned:

Technical: Class III-3

Class IV-2

Administration: Class III-3

Class IV-2

15. Qualification of teaching faculty with D.Sc./D.Litt./PhD/M.Phil/PG

PhD pursuing 3

M.Phil 1

M.Phil pursuing 1

PG 10

16. Number of faculty with ongoing project from

a. National Nil

b. International funding agencies Nil

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

18. Research centre/facility recognized by the University - Nil



## 19. Publications

Prof. Philomena Fernandes:

Presented four research papers as

Date	TITLE	College	level
13-12-2012	The challenges faced by Private Life Insurance Industry in the post liberalization period	Symbiosis Institute of Management studies	International seminar
4-1-2013	Inflation -A challenge to India	St Mira's College for Girls	National Seminar
28-1-2014	Role Played by private life Insurance-through Micro Finance	Gramonnati Mandal's Arts, Science and Commerce	National Seminar
19-3-2014	The Challenge of socially useful research to business and society	Department of commerce UOP	D.S.Savakar Chair

### Prof. Vaishali Doshi

Presented two research papers as

- ✓ Research Paper Presented as a Co-author and on "Role of Technology in Insurance Penetration in India" at Research paper presentation competition organized by IndSearch Institute, Bavdhan on 21<sup>st</sup> Feb, 2014
- ✓ Research Paper Presented on "Opportunities And Challenges For Banking sector in 2020" at National Conference organized by Modern Institute of Business Management on 24<sup>th</sup> September, 2013

[ISSN – 2347-2405]

Attended two seminars as:

- ✓ Attended workshop on "Research Methodology" in Garware College of Commerce August 2013
- ✓ Attended State Level Seminar on "FDI a boon or a bane " in Modern College of Engineering Pune.2013

### Prof. Niketan Shet

- ✓ Attended Faculty Development Programme organized by Pune University.
- ✓ Research Paper Presented as a Co-author and Won First Prize on "Strategies for Developing Insurance Product in Rural India" at Research paper presentation competition organized by IndSearch Institute, Bavdhan on 21<sup>st</sup> Feb, 2014.
- ✓ Research Paper Presented and Won Consolation Prize on "A Review of Corporate Social Responsibility by Banks in India" at World Conference organized by Y. M. College, Bharati Vidyapeeth Deemed University on 14<sup>th</sup> Feb, 2014. [ISSN – 2321-8819]
- ✓ Won third prize for Research Paper Presented on "A Review of Foreign Direct Investment in India" at State Level Conference organized by Brihan Maharashtra College of Commerce on 8<sup>th</sup> October, 2013.
- ✓ Research Paper Presented on "Role of Reserve Bank of India in reform period" at National Conference organized by Modern Institute of Business Management on 24<sup>th</sup> September, 2013 [ISSN – 2347-2405]

### Prof. Sangeeta Mavale

- ✓ Publication of book titled "Jidda" in Marathi in 2013.
- ✓ Over 100 articles published in various newspapers.
- ✓ Best Teacher Award in 2014 by Kasaba Ganapati Trust, Pune
- ✓ Mamta Award for powada

- ✓ Ranragini Award for powada

**20. Areas of consultancy and Income generated – NIL**

**21. Faculty as members in**

- |                             |     |
|-----------------------------|-----|
| a. National Committees      | Nil |
| b. International Committees | Nil |
| c. Editorial Boards         | Nil |

**22. Students projects**

- Percentage of students who have done in house projects including inter-departmental programme – 2% students participate in environmental, tree plantation project
- Percentage of students placed for the projects in organizations outside the institutions i.e. Research Laboratory, Industry and other agencies

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

**Prof. Sangeeta Mavale**

- ✓ Best Teacher Award in 2014 by Kasaba Ganapati Trust, Pune
- ✓ Mamta Award for powada
- ✓ Ranragini Award for powada

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

- Ms. Sandhya Deshpande, Director, Vidya Sahakari Bank
- CA. Bhushan Kotechha, Member, ICSI
- CA. Mukesh Kunwad, Member, BSE
- Dr. P. V. Sathe, Coordinator, Research Centre, BMCC, Pune
- Dr. Sanhita Athawale, HoD, T J College, Khakee
- Mrs. Ashwini Thorat, CDSL
- Dr. N. M. Wechalekar, Director, IndSearch
- Dr. Shashank Pol, Principal, Jedhe College
- 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
- Bhushan Kelkar, IBM, Education Director

**25. Seminar/Conferences/Workshops organized and the source of the funding :**

Commerce non-grant department has organized lecture series at local level under the banner 'Grahak teerth vyakyanmala' where eminent speakers who have been pioneer in implementing consumer protection Act, Assistant inspector of Police are invited in motivating students in all the directions.

- |                  |     |
|------------------|-----|
| a. National      | 2   |
| b. International | Nil |
| c. State         | 3   |
| d. District      | 2   |



26. Students profile programme/ course wise:

Name of the Course/programme	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
F Y B Com 2011-12	300	258	172	86	83.33%
S Y B Com 2011-12	130	122	80	42	79.50%
T Y B Com 2011-12	72	72	49	23	62.67%
F Y B Com 2012-13	400	372	214	158	85.20%
S Y B Com 2012-13	220	215	140	75	86.51%
T Y B Com 2012-13	112	97	62	35	65.34%
F Y B Com 2013-14	450	392	258	134	77%
S Y B Com 2013-14	350	317	203	114	60%
T Y B Com 2013-14	200	186	110	76	54%
F Y B Com 2014-15	600	392	216	176	
S Y B Com 2014-15	400	357	212	145	
T Y B Com 2014-15	275	275	170	105	

27. Diversity of students :

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
F Y B Com 2011-12	95.5%	4.5%	NIL
S Y B Com 2011-12	96%	4%	
T Y B Com 2011-12	96%	4%	
F Y B Com 2012-13	96%	4%	NIL
S Y B Com 2012-13	95.5%	4.5%	
T Y B Com 2012-13	96%	4%	
F Y B Com 2013-14	95%	5%	NIL
S Y B Com 2013-14	97%	3%	
T Y B Com 2013-14	95.5%	4.5%	
F Y B Com 2014-15	98%	2%	NIL
S Y B Com 2014-15	96%	4%	
T Y B Com 2014-15	97%	3%	

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

Defense Service – 2%

29. Student progression

Student progression	Against % enrolled
UG to PG	60%
PG to M.Phil.	5%
PG to Ph.D.	—
Ph.D. to Post-Doctoral	—
Employed • Campus selection • Other than campus recruitment	10%
Entrepreneurship/Self-employment	25%

30. Details of Infrastructural facilities

- Library- Total Books: 9031
- Internet facilities for Staff & Students: YES, WiFi, Hathway (10mbps)
- Class rooms with ICT facility: YES
- Laboratories: Yes

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

- ✓ Department level fee concession is given to selected poor students.
- ✓ Scholarship from Social Welfare department is awarded to 42% students as prescribed by the government norms.

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

**Department of Commerce - Non Grant Section  
Academic Year 2014-15**

The academic year 2014-15 commenced from June 16, 2014 with great enthusiasm. Students of S.Y. B.Com initiated the activities of this year with inauguration of Commerce Association. The series of activities were conducted by the Department. The following table displays the list:

Date	Activity	Speaker
12nd July, 2014	Celebration of Guru Pournima	NA
14 <sup>th</sup> July, 2014	Group Discussion on Revamping Education System	NA
18 <sup>th</sup> July, 2014	Guest Lecture on Environmental Awareness	Prof. P. B. Salunke
22 <sup>nd</sup> July, 2014	Guest lecture on Personality Development	Prof. Pushkar Aurangabadkar
25 <sup>th</sup> July, 2014	Commerce Quiz Competition	NA
26 <sup>th</sup> July, 2014	Induction and Fresher's Party	Prof. M. D. Waghmare
8 <sup>th</sup> August, 2014	Visit to Aundh Military Station For Rakshabandhan	NA
14 <sup>th</sup> August, 2014	Traditional day Celebration	NA
18 <sup>th</sup> Aug, 2014	Visit for Dahihandi	NA



19 <sup>th</sup> Aug to 23 <sup>rd</sup> Aug 2014	Youth Week Celebration 1. Exhibition 2. Speech Competition 3. Cooking without fire 4. Face painting 5. Closing Ceremony	Prin .Dr. R S Zunjarrao
21 <sup>st</sup> Aug 2014	Journalism: Widening Horizon in Commerce	Chandan Hygunde, The Indian Express
5 <sup>th</sup> Sept, 2014	Teachers day celebration	NA
12 <sup>th</sup> Sept, 2014	Banking Poster Exhibition	Dr. J R Lanjekar Adv Subhash Mohite
25 <sup>th</sup> Sept to 27 <sup>th</sup> Sept 2014	Lecture Series 1. Consumer Protection Act 2. RTI Act 3. Cyber Law 4. Lifestyle	Grahakteertha Bindhu Madhav Joshi Vivek Welankar Sr. Police Inspector Bhanupratap Barge Dr. R P Mane
11 <sup>th</sup> Dec 2014	Guest Lecture on "Self Awareness"	Prof. Omkar Natu
15 <sup>th</sup> Dec 2014	Guest Lecture on Tally ERP	Poonam Ghodake
16 <sup>th</sup> Dec 2014	Guest lecture on Professional Courses preparation	Prof. Iyenger
23 <sup>rd</sup> Dec 2014	Social Visit to <i>Gharata Prkalpa</i> at <i>Bholagiri Vidyalaya Pune</i>	NA
24 <sup>th</sup> Dec 2014	Commerce Fair 2014-15	NA
24 <sup>th</sup> Dec, 2014	Talk on Entrepreneurship	Mr. Ram Khutwad, Urja Industries
31 <sup>st</sup> Dec, 2014	Guest Lecture on Gandhi Fellowship Programme	Mr. Mayur
12 <sup>th</sup> Jan, 2015	Placement Activity-Prisum Club	NA
13 <sup>th</sup> Jan, 2015	Guest Lecture on Soft Skills	Prof. Dipti, ICAI
16 <sup>th</sup> Jan, 2015	Placement Activity - Deutsche Bank	NA
17 <sup>th</sup> Jan, 2015	EVS Exhibition	ACP Bhanupratap Barge
17 <sup>th</sup> Jan 2015	Guest lecture on Awareness of Anti Terrorism	ACP Bhanupratap Barge
23 <sup>rd</sup> Jan 2015	Industrial Visit to Ayurveda Rasashala	NA
23 <sup>rd</sup> Jan 2015	Republic Day Celebration Kuch Yaad Unhe bhi Karlo	Col. Haabnis & Team
30 <sup>th</sup> Jan, 2015	Placement Activity-TJSB Bank	NA
20 <sup>th</sup> Feb, 2015	Commerce Day Celebration	Prof .S.S.Deshmukh

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

Lecture method

Interactive sessions

Practical sessions

PPT Presentations

Topic wise group discussion

Mentoring & Counselling sessions (Seminars, workshops & guest Lectures).

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

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 :-** In the era of globalization students are trained according to the demands of the industry and economy. Teachers are young, dynamic and well qualified who have registered for PhD and actively involved in syllabus framing, involvement in research activities, developed teaching techniques and active participation in organizing various curricular and co-curricular activities.

**Weakness :-** Since most of the students come from economically weak background they are keen in seeking employment and hence their attendance regularity in lectures is not upto the expectations.

**Opportunities :-** Since commerce is a booming sector lot of employment opportunities are being made available to the students.

More practical oriented projects and employment oriented programmes can be initiated by the support of the management which gives us an opportunity.

**Challenges :-** To mould the students as per the demands of the economy/society is the most challenging factor. Since, commerce is a traditional course, and students who take admission are from traditional background, motivating them to take up professional course and adapting to developed techniques is a major challenge before us.

Usage of vernacular language by the B.com students is very high. Training them to improve their communication skills

**Future plan :-** Department will be focusing on the forthcoming career opportunities and enhancing the employability skills of the students by inviting experts from different sectors. Department will be providing lab facilities for commerce students for completing their projects.

### Department of Commerce (Non Grant Section)

Students of S.Y.B.Com. initiated the activities of this year with inauguration of Commerce Association. A series of activities were conducted by the department:

12nd July, 2014 - Celebration of Guru Pournima.

14th July, 2014 - Group Discussion on Revamping Education System.

18th July, 2014 - Guest Lecture on Environmental Awareness by Prof. P. B. Salunke.



22nd July, 2014 - Guest lecture on Personality Development by Prof. Pushkar Aurangabadkar.

25th July, 2014 - Commerce Quiz competition.

26th July, 2014 - Induction and Fresher's Party by Prof. M.D. Waghmare.

8th August, 2014 - Visit to Aundh Military Station For Rakshabandhan.

14th August, 2014 - Traditional day Celebration

18th Aug, 2014 - Visit for Dahihandi

19th Aug to 23rd Aug 2014 - Youth Week Celebration. 1. Exhibition 2. Speech Competition 3. Cooking without fire 4. Face painting 5. Closing Ceremony Prin. Dr. R S Zunjarrao was present as chief guest.

21st Aug 2014 - Journalism: Widening Horizon in Commerce by Chandan Hygunde, The Indian Express.

5th Sept, 2014 - Teachers day celebration.

12th Sept, 2014 - Banking Poster Exhibition - Dr. JR Lanjekar and Adv Subhash Mohite were present.

25th Sept to 27th Sept 2014 - Lecture Series -1. Consumer Protection Act by Grahakteertha Bindhu Madhav Joshi. 2. RTI Act by Vivek Welankar. 3. Cyber Law by Sr. Police Inspector Bhanupratap Barge. 4. Lifestyle by Dr. R P Mane.

11th Dec 2014 - Guest Lecture on "Self Awareness" by Prof. Omkar Natu.

15th Dec 2014 - Guest Lecture on Tally ERP by Poonam Ghodake.

16th Dec 2014 - Guest lecture on Professional Courses preparation by Prof. Iyenger.

23rd Dec 2014 Social Visit to Gharata Prkalpa" at Bholagiri Vidyalaya Pune.

24th Dec 2014 - Commerce Fair 2014-15.

24th Dec, 2014 - Talk on Entrepreneurship by Mr. Ram Khutwad, Urja Industries.

31st Dec, 2014 - Guest Lecture on Gandhi Fellowship Programme by Mr. Mayur.

12th Jan, 2015 - Placement Activity-Prism Club.

13th Jan, 2015 - Guest Lecture on Soft Skills by Prof. Dipti, ICAI.

16th Jan, 2015 - Placement Activity - Deutsche Bank

17th Jan, 2015 - EVS Exhibition and Guest lecture on Awareness of Anti Terrorism by ACP Bhanupratap Barge.

23rd Jan 2015 - Industrial Visit to Ayurveda Rasashala.

23rd Jan 2015 - Republic Day Celebration.

'Kuch Yaad Unhe bhi Karlo' by Col. Hasabnis & Team.

30th Jan, 2015 - Placement Activity-TJSB Bank.

20th Feb, 2015 - Commerce Day Celebration, Guest Prof. S. S. Deshmukh, Secretary PES. Prof. Savitha FERNANDES worked as the Coordinator.

#### **M.Com. (Non-Grant)**

The M.Com. department is the youngest department, set up in the year 2012, with intake capacity of 60 students. The department conducted a series of activities throughout the year. The passing percentage of first year and second year was 80%, which was an achievement. The department conducted a series of activities throughout the year, including sessions on Human Rights, Cyber Law and Soft Skills by subject experts Modern 2014 - 15 & '46 in respective field for 10 credit Programme of Savitribai Phule Pune University, for .G.course. The departmental academic visit was organized to Maratha Chamber of Commerce where information and guidance about future opportunities in Commerce were given. The guest lecture organized were on topics like :

- Direct and Indirect Tax -by CA Sumit Shah -

- Soft Skill-Personality Development -by IBS business school

Social Networking issue-by Adv Vaibhav Salunke

Research methodology- by IBS business school

Opportunities for India in global economy- by Prof. Rupa Rawal

Carrier opportunities in banking sector-by IFBI\_ Human Rights-by Adv Ajay Wagh.

Prof. Vaishali Doshi worked as Co-ordinator.

**BBA** Students of BBA took initiative in organizing and coordinating scores of co-curricular activities throughout the year. Series of workshops and guest lectures were also conducted by the department along with the regular course work.

**The following list highlights some of the activities:**

Counseling Programme for F.Y. BBA students.

Freshers Programme for the F.Y. BBA students.

Guest Lecture on "Building Your Talent Pool for Future Growth" by Mr. Sudhindra Samrat.

Guest Lecture on "Small Business Ideas and Opportunities" by Mr. Hemant Thite.

Discussion on General Budget - 2014.

Group Presentation on "Cultural & Linguistic Diversity in English speaking Countries"

Guest Lecture on Union Budget - 2014 (An Analysis) by Mr. Amol Dabke.

Guest Lecture on "Business Ethics - Yesterday, Today & Tomorrow" by Dr. S.G. Bapat.

Guest Lecture on "Public Speaking & Presentation Skills" by Mr. Pushkar Aurangabadkar.

Guest Lecture on 'Importance of Stock Market for Students' by Mr. Amit Kadam.

Guest Lecture on "Image Management through Appearance & Communication" by Mrs. Anne Anish.

Guest Lecture on "Talent Management" by Mr. Sandeep Chougale.

Guest Lecture on "Corporate Expectations and Opportunities in Marketing, HR and Finance" by Mr. Samir Mondal, Mr. Sunil Kr. Singh, Mr. Ravindra Singh & Mr. Mahendra Patil.

Guest Lecture on "Requirement of Industrial Skills for Accounts & Finance Career" by Prof. Raghvan Iyenger.

Guest Lecture on "Stock market and Equity Research" by Mr. Bharat Dalal & Mr. Samir Mondal.

Guest Lecture on "Basics of Photography" by Mr. Vivek Athani. Academic Visit for F.Y. BBA to NIBM, Kondhwa.

Annual Prize Distribution Ceremony for the Aarohan - 2015 and sports winners.

Farewell function for the T.Y. BBA students As per the SPPU guidelines, Industrial Visits for the SY BBA students were conducted in the following industries:

1. Sherni Locks and Oxyrich in Wagholi, MIDC
  2. Bajaj Auto and Group Antoline in Chakan, MIDC
  3. Prof. Amol Shinde published two research papers this year. He has been awarded a Minor Research Project, BCUD, Savitribai Phule Pune University, Period: Academic Year 2014-2016. Title- A Study of Behavioral Finance pertaining to Management institutes faculty in and around Pune.
- BCA Orientation Programme for F.Y. BBA & F.Y. BCA was conducted by Mr. Sanjay Katkar, Co-Founder and CTO, Quick Heal Technologies on the current topic "Management Education and the Expectation of Corporate World from the Budding Managers" which was appreciated by all Students.



- Along with academic coursework, different Guest Lectures for the students as well as for lecturers were conducted as follows:

ERD & DFD by Prof. Shivendu Bhushan : Importance of Ethics & etiquettes

Database designing and Normalization

Personality Development

Database Skills and Opportunities

Image Management through ppearance & Communication by Anne Anish

Presentation Skills by Dipti Inamdar

Basics of Photography by Mr. Vivek Athani

Web Application Development and Globle certification by Aptech Computers

**Common activities of BBA and BCA** In addition to the above activities, a State level Seminar on 'Business Innovation through AdvancedIT' for BBA, BCA, B.Com. and M.Com. students was conducted successfully. Eminent Speakers presented their valuable thoughts at this Seminar. Modern 2014 - 15 & 47 Different welfare activities for students were also conducted by department for the students, such as:

- Medical Check Up for F.Y. B.B.A. and B.C.A. students
- Parent Teachers' Meet
- Counselling Programme for F.Y. B.C.A. students

#### **Placement Activities :**

- Various Placement activities were organized by the Placement Cell which included on campus and off the campus placement drive. For Off campus Drive, students were shortlisted by the placement cell according to the criteria specified by company and then they appeared for the Interviews conducted by different Companies.
- This year the Placement Cell organized a placement drive for Lowe Lintas Pvt. Ltd. for T.Y. B.B.A, T.Y. B.C.A. and T.Y. B.Com. students. It is an Advertising Company which selected five students from BBA, BCA and B.Com.
- Every year the **Annual College Fest "AAROHAN - 2015"** is conducted, the tag line for which is "EXPLORING THE LIMITLESS TALENT". Interesting Events and activities for students and for Lecturers were conducted over a duration of 4 days. Various Days were organized for students. Different brain games like Treasure Hunt, Sudoku solving etc. and Quiz, PPT presentations, Group Discussion. Computer Games Like NFS, Black-Out coding, Counter strike were included.
- It also included Management Events like MADAds, cultural activities like Rangoli competition, Mehendi competition, Nail art, Poster Painting, Creative Writing etc. The "Arohan-2015" concluded with the Traditional Day.

**Social Week** Students of BBA and BCA organized "Social Week" on 4 Feb. 2015 and Feb. 2015. Main motive behind "Social week" was to imbibe sense of social responsibility on students. Various NGO's like Amhi Yuva, Eklavya Nyasa, Sahyog Trust, Netrajyoti Pratishthan, Drishti Groups 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 students to motivate them to involve in various social activities like helping the poor, Save Animal, Woman Empowerment, Young Movement against drugs and alcohol, Social Networking, and Clothes & books donations.

## Department of Business Administration

1. **Name of the department :** Department of Bachelor of Business Administration (BBA)
2. **Year of Establishment :** 2007
3. **Names of Programmes / Courses offered (UG, PG, M.Phil, Ph.D, Integrated Masters; Integrated Ph.D, etc.):** Bachelor of Business Administration (BBA)
4. **Names of Interdisciplinary courses and the departments/units Involved:** NIL
5. **Annual/ semester/choice based credit system (programme wise):** Semester Pattern
6. **Participation of the department in the courses offered by other Departments:** YES (BCA Course has few subjects in Management & Finance which are taught by BBA faculties. Simultaneously BBA Course has few subjects in Computers & Business Statistics which are taught by BCA and B.Com faculties)
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	—	3 Full time Approved 3 Ad-hoc Approvals in process.

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 are working Under guidance for the last 4 years
Prof. Jasmeet Patil	MBA - Marketing	Assistant Professor	Marketing	Industry - 4 years Teaching - 6 years	NIL



Prof. Lawly Das	MBA-HRM, M.A-English, Certified Corporate Trainer from British Connections, Pune	Assistant Professor	HRM	Industry – 2 years Teaching – 5 years	NIL
Prof. Snehal Mirajkar	MBA – Finance & Marketing	Assistant Professor	Finance & Marketing	Teaching – 5 years	NIL
Prof. Neha Deshpande	MBA – Marketing, NET Qualified in June 2013	Assistant Professor	Marketing	Fresher	NIL
Prof. Urmila Karale	M.A English, MBA – Finance, NET Qualified in June 2012	Assistant Professor	Finance	Industry – 1.5 years, Teaching – 1 year	NIL
Prof. Amol Shinde	MBA – Finance, NET Qualified in June 2011, SAP – ERP (FI/CO), Pursuing PhD in Financial Management	Assistant Professor	Finance	Industry – 5 years, Teaching – 5.5 +years	NIL

11. List of Senior Visiting Faculty:

- Mr. Nitin Kshirsagar
- Mrs. Sarita Goenka
- Mrs. Sangeeta Ramdasi
- Mrs. Swati Pathak
- Mrs. Shiji Balan
- Mrs. Jayshree Chinchani
- Mrs. Manasi Thakoor
- Prof. Prasanna Puranik
- Prof. Priya Zanjurne
- Mrs. Shephalika Ghokhale
- Mrs. Mitali Limaye
- Mr. Pradeep Thite
- Mr. Rohan Bhave
- Adv. Ajay Wagh
- Mrs. Asmita Gaikwad

12. Percentage of lectures delivered and practical classes handled (programme wise) by temporary faculty: 15%

13. Student -Teacher Ratio (programme wise): 70:1

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

Technical	Filled	Administrative	Filled
Class 3	4	Class 3	2
Class 4	2	Class 4	2

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

Name	Qualification
Prof. Jasmeet Patil	MBA - Marketing
Prof. Lawly Das	MBA – HRM, M.A - English
Prof. Snehal Mirajkar	MBA – Finance & Marketing
Prof. Neha Deshpande	MBA – Marketing, NET Qualified in June 2013
Prof. Urmila Karale	M.A English, MBA – Finance, NET Qualified in June 2012
Prof. Amol Shinde	MBA – Finance, NET Qualified in June 2011, SAP – ERP (FI/CO), Pursuing Phd in Financial Management

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:

- a) Publication per faculty:
- Number of papers published in peer reviewed journals (national / international) by faculty and students

Name	Qualification	Number of papers Published
Prof. Lawly Das	MBA – HRM, M.A - English	National: 2 International: 1

- 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.): NIL
- Monographs: NIL
- Chapter in Books: NIL
- Books Edited: NIL
- Books with ISBN/ISSN numbers with details of publishers: NIL
- Citation Index: NIL
- SNIP: NIL
- SJR: NIL
- Impact factor: NIL



- **h-index:** NIL

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:** 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:

- Sayali Bapat (SY BBA) and Prathamesh Shinde (TY BBA) received second prize in the Inter College Paper Presentation Competition in Commerce and Management organized by Department of Commerce, Kaveri College of Science and Commerce, Pune on 22nd January 2014
- Sandeep Kumar (FY BBA) and Sayali Bapat (TY BBA) received first prize in the Inter College Paper Presentation Competition in Commerce and Management organized by Department of Commerce, Kaveri College of Science and Commerce, Pune on 28th January 2015

**BBA Sports Achievement in 2012 – 13**

Sr.No.	Name	Class	Game	Level	Recognition
1.	Vaibhav Balwadkar	F.Y.	Baseball	Inter Collegiate	Bronze
2.	Ajit Pawar	F.Y.	Khokho	Inter Collegiate	Bronze
3.	Vaibhav Balwadkar	F.Y.	Softball	State	Participated

**BBA Sports Achievement in 2013 – 14**

Sr.No.	Name	Class	Game	Level	Recognition
1.	Vaibhav Balwadkar	S.Y.	Baseball	State	Participated
2.	Kalpesh Thombare	S.Y.	Taekwondo	State	3 <sup>rd</sup> Place
3.	Vaibhav Kulkarni	F.Y.	Baseball	Inter Collegiate	3 <sup>rd</sup> Place
4.	Mayur Kamble	F.Y.	Baseball	Inter Collegiate	3 <sup>rd</sup> Place

**BBA Sports Achievement in 2014 – 15**

Sr.No.	Name	Class	Game	Level	Recognition
1.	Vaibhav Balwadkar	T.Y.	Baseball	Inter Collegiate	Winner
2.	Manish Gaikwad	T.Y.	Baseball	Inter Collegiate	Winner
3.	Garima Vivek Motadoo	F.Y.	Cricket	Inter Collegiate	Winner
4.	Yuvraj Rakshe	T.Y.	Baseball	Inter Collegiate	Winner
5.	Kalpesh Thombare	T.Y.	Baseball	Inter Collegiate	Winner

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

- a) Mr. D. S. Kulkarni, Chairman, DSK Enterprises
- b) Miss Kalpana Madhyani, Corporate Trainer
- c) Mrs. Anu Sethi, Training Manager, Volkswagen
- d) Mr. Amit Jadhav, Director of Modelcam Technologies Pvt. Ltd.
- e) Mr. Vilas Jagtap, CEO at *Knowledge Planet*
- f) Dr. Sharayu Bhakare, Assistant Professor, Symbiosis College of Arts and Commerce, Pune
- g) Dr. Rashmi Hebalkar, Member – Business Ethics Forum
- h) Mrs. Yamini Mathur, Corporate Trainer
- i) Mr. Mohan Palesha, Chairman – District Rotary Foundation
- j) Mr. Avi Raj from IIM K, Mentor at PIBM, Pune
- k) Mr. David Hangsing from IIM B, Mentor at PIBM, Pune
- l) Mr. Samir Mondal, H.O.D – Academics of PIBM, Pune
- m) Mr. Nihal Khan, Regional Manager - ICFL, ICICI Securities Ltd.
- n) Mr. Amit Kadam, Regional Marketing Manager - ROM & MPCG, ICICI Securities Ltd.
- o) Mr. Deepak Bodhani, Managing Partner at Digitech Engineers
- p) Mr. Mahendra Patil, Head – HR, Whirlpool
- q) Mr. Ravindra Singh, CFO, LOOP Mobile
- r) Mr. Sunil Kumar Singh, AVP, Channel & Business Development, PIAGGIO Vehicles
- s) Mrs. Anne Anish, Kensho Image Consultancy

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

- a. **National:** 01 (funded by University of Pune under QIP)
- b. **International:** NIL
- c. **District:** 02 (funded by University of Pune under QIP)
- d. **State:** 03 (funded by University of Pune under QIP)

26. Student profile programme/course wise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
FY BBA (2011 – 12)	150	71	47	24	94.4%
SY BBA (2011 – 12)	89	89	52	37	95%
TY BBA (2011 – 12)	82	82	46	36	100%
FY BBA (2012 – 13)	210	105	69	36	95%
SY BBA (2012 – 13)	106	106	70	36	95%
TY BBA (2012 – 13)	127	127	75	52	83%
FY BBA (2013 – 14)	265	146	94	52	95.2%
SY BBA (2013 – 14)	112	112	77	35	100%
TY BBA (2013 – 14)	89	89	55	34	100%
FY BBA (2014 – 15)	445	205	130	75	NA
SY BBA (2014 – 15)	127	127	82	45	NA
TY BBA (2014 – 15)	101	101	65	36	NA

\*M = Male

\*F = Female



27. Diversity of Students:

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
FY BBA (2011 – 12)	94.4%	5.6%	NIL
SY BBA (2011 – 12)	87.6%	7.9%	4.5%
TY BBA (2011 – 12)	90%	10%	NIL
FY BBA (2012 – 13)	90%	10%	NIL
SY BBA (2012 – 13)	94.4%	5.6%	NIL
TY BBA (2012 – 13)	87.6%	7.9%	4.5%
FY BBA (2013 – 14)	85.6%	6.2%	8.2%
SY BBA (2013 – 14)	79.3%	10%	10.7%
TY BBA (2013 – 14)	94.4%	5.6%	NIL
FY BBA (2014 – 15)	90%	5%	5%
SY BBA (2014 – 15)	85.6%	6.2%	8.2%
TY BBA (2014 – 15)	79.3%	10%	10.7%

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	80%
PG to M.Phil	—
PG to Ph.D	—
Ph.D to Post-Doctoral	—
Employed • Campus selection • Other than campus Recruitment	15%
Entrepreneurship/Self-employment	5%

30. Details of Infrastructural facilities :

- Library- Total Books:** 9031
- Internet facilities for Staff & Students:** Availability of Wifi and usage of Hathway (10 Mbps)
- Class rooms with ICT facility:** 100%
- Laboratories:** 100%

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

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

**No. of BBA Students Availing Scholarship**

YEAR	F.Y	S.Y	T.Y
2011 – 12	3	9	0
2012 – 13	5	9	4
2013 – 14	25	8	9
2014 - 15	29	23	12

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

**Annual activities of BBA for 2012-13**

Sr.No.	Date	Activity
1	26 <sup>th</sup> July, 2012	Workshop on <b>Personality Development</b> for S.Y. BBA
2	30 <sup>th</sup> July, 2012	Seminar on <b>Communication Skills</b> for F.Y. BBA & F.Y.BCA
3	2 <sup>nd</sup> August, 2012	Guest Lecture on “ <b>Role of Ethics in Today’s Business</b> ” for T.Y.BBA
4	6 <sup>th</sup> August, 2012	Seminar on <b>Body Language &amp; Interview Skills</b>
5	9 <sup>th</sup> August, 2012	Guest Lecture on <b>Entrepreneurship Development</b> for S.Y. & T.Y.BBA
6	12 <sup>th</sup> August, 2012 (World Youth Day)	Competition on GD & Presentation for all BBA students
7	25 <sup>th</sup> August, 2012	Academic Visit for F.Y. BBA to <b>NIBM, Kondhwa.</b>
8	18 <sup>th</sup> Dec, 2012	Seminar on <b>Global Education</b> by FOCUS Consultants for TY BBA and TY BCA
9	21 <sup>st</sup> Dec, 2012	1 <sup>st</sup> Industrial Visit for S.Y. BBA
10	24 <sup>th</sup> Dec-29 <sup>th</sup> Dec, 2012	Days & Events celebrated
11	JANUARY, 2013	PLACEMENT ACTIVITY for T.Y.BBA
12	5 <sup>th</sup> Jan, 2013	2 <sup>nd</sup> Industrial Visit for S.Y. BBA
13	8 <sup>th</sup> Jan, 2013	Guest Lecture in <b>Corporate Communications &amp; Interview Techniques</b> by Miss Kalpana Madhyani for SY BBA & TY BBA
14	12 <sup>th</sup> Jan, 2013	Guest Lecture in <b>Corporate Communications</b> by Mrs. Anu Sethi for FY BBA
15	22 <sup>nd</sup> Jan, 2013	Annual Gathering of WCBS
16	25 <sup>th</sup> Jan, 2013	Workshop on <b>G.D &amp; P.I</b> by Career Launcher for S.Y. BBA & T.Y.BBA



**Annual activities of BBA for 2014-15**

<b>Sr.No.</b>	<b>Date</b>	<b>Activity</b>
1	1 <sup>st</sup> July, 2014	<b>Counselling Programme</b> for F.Y. BBA students
2	10 <sup>th</sup> July, 2014	Orientation Programme for F.Y. BBA by <b>Mr. Sanjay Katkar, Co-Founder and CTO, Quick Heal Technologies</b> on <b>"Management Education and the Expectation of Corporate World from the Budding Managers"</b>
3	12 <sup>th</sup> July, 2014	<b>Welcome Party</b> for F.Y. BBA jointly organized by S.Y. BBA & T.Y. BBA
4	July, 2014	Medical Check Up for FY BBA students
5	16 <sup>th</sup> July, 2014	Guest Lecture on <b>"Communication as Interaction"</b>
6	18 <sup>th</sup> July, 2014	Guest Lecture on <b>"Small Business Ideas and Opportunities"</b>
7	22 <sup>nd</sup> July, 2014	Guest Lecture on <b>"Group and Team Dynamics"</b>
8	25 <sup>th</sup> July, 2014	Guest Lecture on <b>"Good Ethics mean Good Business"</b> for S.Y. BBA & T.Y. BBA by <b>Dr. Rashmi Hebalkar</b>
9	29 <sup>th</sup> July, 2014	Guest Lecture on <b>"Building Your Talent Pool for Future Growth"</b>
10	1 <sup>st</sup> August, 2014	Academic Visit to <b>NIBM, Kondhwa</b> for F.Y. BBA students
11	8 <sup>th</sup> August, 2014	Guest Lecture on <b>"Trading in Stocks and Money Multiplier"</b>
12	12 <sup>th</sup> Aug-16 <sup>th</sup> Aug, 2014	<b>International Youth Day / Week</b> (Motivational Movies, Critical Review of the Movie, Art Exhibition) for B.Com, BBA and BCA students
13	16 <sup>th</sup> August, 2014	Concluding Function of <b>International Youth Week</b> followed by <b>cultural programmes &amp; certificate distribution</b>
14	26 <sup>th</sup> August, 2014	Guest Lecture on <b>"Internet / Online Marketing"</b>
15	29 <sup>th</sup> August, 2014	Guest Lecture on <b>"Corporate Manners &amp; Etiquettes"</b>
16	2 <sup>nd</sup> & 3 <sup>rd</sup> September'14	Group Presentation on <b>"Cultural &amp; Linguistic Diversity in English speaking Countries"</b> by F.Y.BBA students
17	9 <sup>th</sup> September, 2014	Guest Lecture on <b>"Building on own strength"</b>
18	8 <sup>th</sup> Dec, 2014	Guest Lecture on <b>"Image Management through Appearance &amp; Communication"</b> for S.Y.BBA & T.Y.BBA by <b>Anne Anish</b>
19	10 <sup>th</sup> Dec, 2014	Guest Lecture on <b>"Talent Management"</b> for S.Y.BBA & T.Y.BBA by <b>Mr. Sandeep Chougale</b>
20	13 <sup>th</sup> Dec, 2014	Guest Lecture on <b>"Corporate Expectations and Opportunities in Marketing, HR and Finance"</b> for F.Y.BBA and S.Y.BBA by <b>Mr. Samir Mondal, Mr. Sunil Kr. Singh, Mr. Ravindra Singh &amp; Mr. Mahendra Patil</b>



21	16 <sup>th</sup> Dec, 2014	Guest Lecture on <b>"Requirement of Industrial Skills for Accounts L &amp; Finance Career"</b> for F.Y.BBA, S.Y.BBA & T.Y.BBA by Prof. Raghvan Iyenger
22	19 <sup>th</sup> Dec, 2014	Guest Lecture on <b>"Softskills &amp; Personality Development"</b> for S.Y.BBA & T.Y.BBA by Prof. Dipti Inamdar
23	20 <sup>th</sup> Dec, 2014	Guest Lecture on <b>"Stockmarket and Equity Research"</b> for S.Y.BBA & T.Y.BBA by Mr. Bharat Dalal & Mr. Samir Mondal
24	22 <sup>nd</sup> Dec, 2014	Academic Visit for F.Y. BBA (A) to NIBM, Kondhwa
25	23 <sup>rd</sup> Dec, 2014	Academic Visit for F.Y. BBA (B) to NIBM, Kondhwa
26	30 <sup>th</sup> Dec, 2014	Guest Lecture on <b>"Basics of Photography"</b> for BBA & BCA by Mr. Vivek Athani
27	7 <sup>th</sup> Jan'15 to 10 <sup>th</sup> Jan'15	Annual College Fest <b>"AAROHAN – EXPLORING THE LIMITLESS TALENT"</b>
28	17 <sup>th</sup> Jan'15	<b>Parents – Teachers Meeting</b> for FY BBA (A) & (B)
29	28 <sup>th</sup> & 30 <sup>th</sup> Jan'15	Industrial Visits for SY BBA
30	31 <sup>st</sup> Jan'15	Introductory Workshop on <b>'Digital Marketing'</b> for BBA
31	4 <sup>th</sup> – 7 <sup>th</sup> Feb'15	<b>SOCIAL WEEK</b>
32	13 <sup>th</sup> & 14 <sup>th</sup> Feb'15	<b>STATE LEVEL SEMINAR</b> on <b>'Business Innovation through Advanced IT'</b> for the BBA, BCA, B.Com and M.Com students
33	20 <sup>th</sup> Feb'15	Lowe Lintas Recruitment Drive for TYBBA, TYBCA and TYB.Com
34	28 <sup>th</sup> March, 2014	Farewell for T.Y. BBA

33. Teaching methods adopted to improve student learning:

- Chalk & talk, interactive sessions, practical sessions, powerpoint 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:

- Students of the department of BBA along with the BCA students have been organizing the **"Social Week"** since **Dec 2013**. The core motive behind observing the **"Social Week"** is to inculcate a sense of social responsibility amongst our students who are the future of tomorrow.
- Several NGO's came forward and participated. Viz. 'Make a Wish Foundation', 'Sanjivani Oldage Home', 'Punurutthan Sarmsamtam Gurukulam Sanstha', 'CRY', 'Tell Us', 'Jankalyan Netrapedhi'. All these NGO's visited our campus and interacted with our students to motivate them 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, clothes, books, shoes and toys donations, etc.
- The main motive of "Social Week" in Feb 2015 was to imbibe a sense of social responsibility amongst students.
- 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 to motivate them to involve in various social activities like to help



the poor, save animals, empower women, Young Movement against drugs and alcohol, Social Networking, Clothes & book donations, etc.

35. SWOC analysis of the department and Future plans:

**Strength:**

- BBA program lays the basic platform for the students on the basis of which students can further explore the field of management education. BBA program is very beneficial for the non-commerce background students who want to join the management field for exciting career opportunities. Due to availability of more job opportunities after pursuing BBA program, students prefer pursuing professional courses such as BBA over regular graduation programs after completing class XII.
- This course is a gateway to pursue MBA and the BBA students have an edge over other courses while pursuing MBA because a part of the Management syllabus is already taught at the UG level. 60% of MBA syllabus is covered in BBA. This helps a student to clear their MBA exams easily. Moreover it has more value than other bachelor degrees.
- We at Modern College provide high quality education in management so that our students can join industry, immediately after the course.
- The BBA program aims at developing a student's intellectual ability, executive personality and managerial skills through an appropriate blending of business and general education. The program assists the student in understanding and developing the unique leadership qualities required for successfully managing business functions, an organizational unit or an enterprise.
- It also develops our student's presentation skills and public speaking skills.
- Placements for the BBA students is also available which makes it a more sought after course. After completing the BBA program, students have the option of joining as a Management Trainee / Executive Trainee in any of the following sectors: Banking, Consultancy, Finance, Corporates, Marketing, Creative & IT companies.
- Salary package varies from 10k - 20k. Employers want people who have proven themselves both academically and at the time of interview.
- BBA teaches the art of business and students can learn more about business by involving themselves in managing several activities conducted by the college which also provide them a platform for innovative thinking.
- We at Modern have dynamic faculties in the Dept. of BBA who take all efforts in providing quality based education to the students.

**Weakness:**

- Few students joining this course comes from vernacular medium and few from those countries where English is not their native language. And BBA being a professional course, the medium of language to teach is English. Therefore these students find it difficult to understand the lectures and deliver the same during the exams.
- Also, the BBA students need to get practical exposure / lab facility to develop a better understanding of the theoretical computer related subjects taught.

**Opportunities:**

- By enhancing our students' communication skills, technical skills & better awareness through various seminars / guest lectures / workshops, etc. students indeed have wider opportunities available.
- BBA degree definitely opens more job opportunities than any other degree.
- The management is also equally supportive about initiating IT enabled classrooms for the students.

### Challenges:

- While this course provides an overview of business management, it doesn't offer much scope by itself, unless one follows it up with a good MBA.
- Motivating and enhancing the students' merit is a challenge when the students seeking admission to the BBA course comes with an average percentage of 45% and above in HSC.

### Future plan:

- BBA graduates can also enroll for professional courses such as CA and ICWAI which are very much in demand these days.
- They can enroll for post graduation courses such as MBA and MCA depending on their choice.
- The BBA pass outs can also opt for part time jobs and enroll for some short duration computer courses which will be an added advantage.
- The students interested in taking up government jobs can prepare for UPSC exams such as civil services and NDA (National Defense Academy).
- The students also have good scope in fields such as accounting, information systems and entrepreneurship.
- The students can also prepare for bank entrance examinations for building a career in the banking domain.

So, a candidate pursuing a BBA program has endless opportunities in front of him / her. After completion of the BBA program, it's up to the student whether he / she opts for higher studies or takes up any good job opportunity.

For this, the following developmental activities need to be undertaken for enhancing the student quality.

- i. Development in class room infrastructure viz. audio - visual facilities.
- ii. Arranging guest lectures by inviting renowned entrepreneurs, IT experts, corporate trainers, motivational speakers for sharing their valued experience and motivating and guiding our young minds.
- iii. Updation of library and providing computer labs for acquiring practical computer knowledge.
- iv. More corporate - academia interaction to enhance the placement activities for the BBA students.
- v. Formulating teacher - parent interactive sessions for the overall development and maintenance of discipline amongst students.
- vi. Reformation in examination system.
- vii. Developing sense of social awareness and inculcating social responsibility amongst students thus contributing towards creation of better youth and better, responsible and responsive citizens of tomorrow.



## Department Computer Application

1. **Name of the department** : Bachelor Of Computer Application (B.C.A.)
2. **Year of Establishment** : 2007
3. **Names of Programmes / Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph.D., etc.)**  
Bachelor Of Computer Application (B.C.A.)
4. **Names of Interdisciplinary courses and the departments/units involved**  
NO
5. **Annual/ semester/choice based credit system (programme wise)**  
BCA: **semester pattern**
6. **Participation of the department in the courses offered by other departments**  
Yes, BBA course has few subjects from Information Technology which are taught by faculties of BCA. BCA course has few subjects from management, finance and statistics. Those subjects are taken by few faculties from BBA and B.Com.
7. **Courses in collaboration with other universities, industries, foreign institutions, etc.**  
NO
8. **Details of courses/programmes discontinued (if any) with reasons**  
NO
9. **Number of Teaching posts**

	Sanctioned	Filled
Professors	—	—
Associate Professors	—	—
Asst. Professors		2 Full time Approved. 2 Adhoc Approved. 5 Full time temporary.

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 are working Under guidance for the last 4 years
Vaibhav Thakare	MCA	Assistant Professor	Computer	5 yrs	NIL
Parag Fulzele	MCA	Assistant Professor	Computer	3 yrs	NIL
Gauri Khire	MCA	Assistant Professor	Computer	5 yrs 6 months	NIL
Vanita Patil	MCA	Assistant Professor	Computer	4 yrs	NIL
Namrata Gadgil	MCA	Assistant Professor	Computer	3 yrs	NIL
Shruti Pawar	MCS	Assistant Professor	Computer	7 yrs	NIL
Sampada Joshi	MCM,MBA, M.Phil, MCA (Appeared),	Assistant Professor	Computer	14 yrs	NIL
Sonali Raut	MCA	Assistant Professor	Computer	5 yrs	NIL
Prashant Patil	MCA	Assistant Professor	Computer	4 yrs Teaching, 2 yrs Industry.	NIL

11. List of senior visiting faculty

- Prof. Nitin Kshirsagar
- Prof. Dr. Anuradha Wahegaonkar
- Prof. Dr. Ashutosh Misal
- Prof. Sarika Goenka
- Mr. Avinash Goenka
- Mrs. Mansi Thakur
- Mrs. Mitali Limaye
- Mrs. Shefalika Ghokhale

12. Percentage of lectures delivered and practical classes handled(programme wise)by temporary faculty.  
5%

13. Student -Teacher Ratio (programme wise)

54:1



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

1) Support Staff (technical) (filled) :-

Class 3:- 4

Class 4:- 2

2) Administrative Staff (filled) :-

Class 3:- 2

Class 4:- 2

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

Name	Qualification
Vaibhav Thakare	MCA
Parag Fulzele	MCA
Gauri Khire	MCA
Vanita Patil	MCA
Namrata Gadgil	MCA
Shruti Pawar	MCS
Sampada Joshi	MCM, M.phil, MBA, MCA(Appeared),
Sonali Raut	MCA
Prashant Patil	MCA

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:

a) Publication per faculty

\* Number of papers published in peer reviewed journals (national /international) by faculty and students

Name	Qualification	Number of papers published
Vaibhav Thakare	MCA	National: 0International: 1
Gauri Khire	MCA	National: 0International: 1
Namrata Gadgil	MCA	National: 1International: 0
Aruna Jagtap	B.E.(E&TC), M.E. (Appeared)	National: 1International: 1

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.)

NIL

Monographs

NIL

Chapter in Books

-> NIL

Books Edited

-> NIL

Books with ISBN/ISSN numbers with details of publishers

Author:- Prof. Gauri Khire

Name of Book:- Programming in Visual Basics.

ISBN: - 978-93-5158-198-7

Publisher:- Success Publication

Citation Index

-> NIL

SNIP

-> NIL

SJR

-> NIL

Impact factor

-> NIL

h-index

-> 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

→ 98%

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

-> NIL



**Annual activities of BCA for 2014-15**

Sr.No.	Date	Activity
1	16 <sup>th</sup> June, 2014	Commencement of the new term & lectures for S.Y. BCA & T.Y. BCA
2	25 <sup>th</sup> June, 2014	Commencement of lectures for F.Y.BCA
3	1 <sup>st</sup> July, 2014	Counselling Programme for F.Y. BCA students
4	10 <sup>th</sup> July, 2014	Orientation Programme for F.Y. BBA & F.Y. BCA by <b>Mr. Sanjay Katkar, Co-Founder and CTO, Quick Heal Technologies</b> on <b>"Management Education and the Expectation of Corporate World from the Budding Managers"</b>
5	07 <sup>th</sup> to 12 <sup>th</sup> July 2014	TYBCA project topic submissions.
6	14 <sup>th</sup> July, 2014	<b>Welcome function</b> for F.Y. BCA jointly organized by S.Y. BCA & T.Y.BCA
7	July, 2014	Medical Check Up for FY BCA students
8	15 <sup>th</sup> July, 2014	Guest lecture on ERD & DFD by Prof. Shivendu Bhushan.
9	21 <sup>nd</sup> July, 2014	Guest Lecture on <b>"Importance of Ethics &amp; etiquettes"</b>
10	26 <sup>th</sup> July, 2014	<i>Guest Lecture on "Database designing and Normalization"</i>
11	2 <sup>nd</sup> August, 2014	Guest Lecture on <b>"Personality Development"</b>
12	9 <sup>th</sup> August, 2014	Guest Lecture on <b>"Database Skills and Opportunities"</b>
13	16 <sup>th</sup> August, 2014	Concluding Function of <b>International Youth Week</b> followed by <b>cultural programmes &amp; certificate distribution</b>
14	6 <sup>th</sup> & 7 <sup>th</sup> Dec, 2014	Placement by WIPRO at IICMR
15	12 <sup>th</sup> Dec, 2014	Guest Lecture on <b>"Image Management through Appearance &amp; Communication"</b> for S.Y.BBA & T.Y.BBA by Anne Anish
16	19 Dec 2014	Guest Lecture on "Presentation Skills" by Dipti Inamdar
17	30 Dec 2014	Guest Lecture on "Basics of Photography" by Mr. Vivek Athani
18	7 <sup>th</sup> Jan'15 to 10 <sup>th</sup> Jan'15	Annual College Fest <b>"AAROHAN – EXPLORING THE LIMITLESS TALENT"</b>
19	17 Jan 2015	Parent Teachers Meet
20	20 Jan 2015	One day workshop on "Understanding Linux"
21	03 Feb 2015	Guest Lecture on "Web Application Development and Global certification" by Aptech Computers
22	4 <sup>th</sup> – 7 <sup>th</sup> Feb'15	SOCIAL WEEK
23	13 <sup>th</sup> & 14 <sup>th</sup> Feb'15	STATE LEVEL SEMINAR on <b>'Business Innovation through Advanced IT'</b> for the BBA, BCA, B.Com and M.Com students
24	20 <sup>th</sup> Feb'15	Low Lintas Recruitment Drive for TYBBA, TY BCA and TYB.Com

33. Teaching methods adopted to improve student learning

-> Chalk & talk, interactive sessions, practical sessions, presentations, topic wise group discussion, Audio visual presentations, Poster Presentation mentoring & Counseling sessions(Seminars, workshops & guest Lectures).

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

**-> Social Week 2013-14 :-**

Students of department of BCA organized "Social Week" during 16 Dec 2013 to 21 Dec 2013. Main motive behind "Social week" was to imbibe sense of social responsibility on students.

Various NGO's like Make a wish foundation, Sanjivani oldage home, Punurutthan sarmsamtam gurukulam sanstha, CRY organisation, Tell Us, Jankalyan Netrapedhi visited our campus to interact with students to motivate them to involve in various social activities like help the poor, old age home, child labour, Eye donation, AIDS awareness, Blood donation, Cloth & books donations, etc.

**Social Week 2014-15:-**

Students of department of BCA along with BBA organized "Social Week" during 4 feb 2015 to 5 feb 2015. Main motive behind "Social week" was to imbibe sense of social responsibility on students.

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 students to motivate them to involve in various social activities like help the poor, Save Animal, Woman Empowerment, Young Movement against drugs and alcohol, Social Networking, Cloth & books donations.

35. SWOC analysis of the department and Future plans

**Strength :-** In view of changing global scenario lot of scope is there for this course. Its possible through practical approach lot of placement also available. The course covers tecno commercial aspects which strengthen the Modern's Student.

**Weakness :-** Student joining this course comes from non technical courses therefore lot of scope in restructuring the subjects and overall teaching methods.

**Opportunities :-** By enhancing technical skills & awareness a bright future opportunities are available.

**Future plan :-** Department decides to provide maximum lab hours for enhancing practical knowledgebase of student. Development in class room infrastructure be modern audio visual facilities. Students overall development by inviting renowned entrepreneur, IT expert, Corporate trainers for sharing their valued experience. Updation of library and computer lab. More and more approach with corporate sector to enhance the placement activities. Developing parent approach for overall development and discipline of students. Reformation in examination system. To create social responsibility among the students.



## Department of Library

This year our library added 1943 books to the library collection during 1st April 2014 to 31st March 2015.

Now there are 96132 books in the library. 1867 books were added under following sections: Jr. Wing -158, Sr. Wing- 999, Non-Grant - 473, Donation- 313

We are grateful for the donation of books received from:

No.	Name	No. of books
1.	Prof. Shamkant Deshmukh	07
2.	Mrs. Kuvalekar Sanjeevani	67
3.	Prof. C. G. Kulkarni	130
4.	Idol Publication, Pune	40
5.	Bhartiya Bhasha Sansthan, New Delhi	30

Many valuable and rare books were received from this donation. e.g. Bhrgusanhita, Ramayana, Rigveda, Atharvaveda etc.

This year Saraswati Pooja and Book Exhibition of newly purchased books was organized on 1st October 2014 in the library. Seven students worked in the library under Earn & Learn scheme of Savitribai Phule Pune University. Fifty nine students availed the Book bank facility from the library in the year 2013-14.

Selected books for girl students are kept in the ladies room of college, and books related to competitive examinations are kept in the separate classroom for students preparing for such examinations.

Internet and Digital library facility is provided for staff & students.

General / Extra reading facility is provided on every Saturday except examination period.

Following well-known academicians visited our library:-

1. Dr. Bhalerao Rekha P. - Adarsh Comprehensive College of Education Research, Pune.
2. Dr. Kasture Padmaja B. - Adarsh Comprehensive College of Education Research, Pune.
3. Dr. Digambar Mokate - SPPU.
4. Dr. D. D. Balsaraf - Member-Management Council, SPPU.
5. Dr. Talke A. B. - Bhagwan Mahavidyalay, Ashti, District- Beed.
6. Silwia Barbieri - University of Bocconi, Italy
7. Anne McCall, Dean and Neha Khanna, Professor, Harpur College, Binghamton, New York.

We have become an Institutional Member of the following libraries :

1. British Library
2. Maratha Chamber of Commerce & Industries.
3. Jaykar Library, SPPU.
4. Dhananjayarao Gadgil Library, Gokhale Institute of Politics and Economics.
5. DELNET : Developing Library Network.

6. Deccan College Library.

Staff and students will get access to the online resources of these libraries.

**Library Activities during 2014-15**

1. Junior College Arts (History) students visited library to know about encyclopedias and dictionaries and other reference books in the library.
2. Students(T.Y.B.Sc.) and staff of Department of Zoology visited library to explore information and to know about the facilities in the library.
3. Lecture of Dr. Shubhada Nagarkar, Asstt. Prof. Jayakar Library, SPPU, was organized for staff on 16th February 2015 to explain Impact factor, h-index, etc. for preparation of NAAC Self Study Report.
4. On 17th & 18th March 2015, two days National Seminar was organized jointly by libraries of Modern College of Arts, Science & Commerce, Pune 5 and Pune 16 and Modern Institute of Business Management, Pune 5; on "Impact of e publications on Higher Education and Librarianship" Chief Guest was Dr. V. B. Gaikwad, Director, BCUD, SPPU, Guest of Honour was Dr. E. B. Khedkar, Dean Faculty of Management, SPPU. The Inaugural Speaker was Dr. B. M. Panage, Librarian, Jayakar Library, SPPU and Key note speaker was Dr. Usha Munshi- Librarian, Indian Institute of Public Administration, New Delhi. Dr. Prof. G. R. Ekbote, Chairman, Business Council, P. E. Society presided over the function. Proceeding book with ISBN number was released on this occasion. 30 research papers are included in this book.

More than 125 participants registered for this seminar and following resource persons guided the participants:

Dr. Karisiddappa C. R., Dr. Ashok Y. Asundi, Dr. Rajendra Kumbhar, Dr. Shubhada Nagarkar, Mr. Prahlad Jadhav, Dr. Neela Deshpande, Dr. W. N. Gade, Vice-Chancellor, SPPU and Dr. R. W. Kale, Prof. Life Science, JNU, New Delhi were the Chief guests for the Valedictory function.

Other activities :

- i. International Book Day 23.4.2014
- ii. Anti Terrorism Day 31.5.2014
- iii. Birth Anniversary of Dr. Ranganathan S. R. 12.8.2014
- iv. Display of Books by British Library 12.8.2014
- v. Display of books by Success Publication 30.9.2014
- vi. Sale of books withdrawn from library 2.12.2014

**Birth Anniversaries** of great national leaders and thinkers declared in Government of Maharashtra list were celebrated in the library, as follows includes:

1. Mahatma Jyotirao Phule Jayanti 11th April 2014
2. Dr. Babasaheb Ambedkar Jayanti 14th April 2014
3. Basweshwar Maharaj Jayanti 2nd May 2014
4. Maha Rana Pratap Jayanti 31st May 2014
5. Shahu Maharaj Jayanti 26th June 2014
6. Vasantrao Naik Jayanti 1st July 2014
7. Lokmanya Tilak Jayanti 23rd July 2014
8. Shahir Annabhau Sathe Jayanti 1st August 2014
9. Maharishi Valmiki Jayanti 8th Oct. 2014
10. Vallabhbhai Patel Jayanti 31st Oct. 2014
11. Pandit J. Nehru Jayanti 14th Nov.2014



12. Indira Gandhi Jayanti and 19th Nov. 2014 National Integration Day
13. Sanvidhan Divas 26th Nov. 2014
14. Krantijyoti Savitribai Phule Jayanti 3rd Jan. 2015
15. Swami Vivekanand Jayanti 12th Jan. 2015

# Department of Physical Education & Sports

## Intercollegiate Volleyball

Intercollegiate Volleyball (M/W) event was organized on 15th September 2014. 33 men's teams and 15 women's teams from Pune City participated in this event. Principal Dr. Rajendra Zunjarrao inaugurated the event.

Mens result: winner - Modern college of ASC, Shivajinagar  
Runnerup- COEP, Third place- Modern college of engg. and  
Womens result: winner- Fergusson College, runnerup- Garware college of commerce, third place Modren college of ASC Shivajinagar.



## Intercollegiate Netball

- Netball competition was organized on 22nd December 2014. Modern College, Shivajinagar, Pune-05 lifted the men and women championship trophy proudly. Tournament was inaugurated at the hands of our Principal Dr. R.S. Zunjarrao. Dr. Mohan Amurale, Prof. Vikram Phale working as selection committee member for PCZSC.
- **Mens result:** Winner Modern college Shivajinagar, runnerup Fergusson college, third place Chandrashekhar Agashe college of physical education and Womens result: winner Modern college Shivajinagar, runnerup DES Law college, third place Hujurpaga college.



## Intercollegiate Cycling

- Intercollegiate Cycling competitions were organized by our college at Shiv Chatrapati Stadium, Balewadi on 3rd September 2014. 30 players from different colleges from Pune city participated in the track and road events. Mrs. Deepali Nikam, National cycling player and Coach, inaugurated the event.
- 20 km time trial mens Results: 1<sup>st</sup> place Prany Ambure, Modern College, Snagar, 2<sup>nd</sup> place Bhaya Maherab, NWC, 3<sup>rd</sup> Mustifa Patel, FC. 10 km time trial womens Results: 1<sup>st</sup> place Pritali Shinde, Modern College, Ganeshkhind, 2<sup>nd</sup> place Deepika Jambukar, Modern College, Shivajinagar.



## Intercollegiate Handball (M/W)

- Intercollegiate Handball (M/W) event was organized on 15th September 2014. 8 men's teams and 4 women's teams from Pune City participated in this event. Principal Dr. Rajendra Zunjarrao inaugurated the event. Dr. Mohan Amurale, Dr. Sudam Shalke, Prof. Nitin Walke working as selection committee member for PCZSC.
- Mens result: winner- Shahu college, runnerup- Modern college Shivajinagar, third place- chandrashekhar ageshe





college of physical education and Womens result: winner- chandrashekhar ageshe college of physical education, runnerup st meerazs college, third place Modren college Shivajinagar.

### Intercollegiate Baseball (M/W)

- Intercollegiate Baseball (M/W) event was organized during 11th to 12<sup>th</sup> September 2014 at BMCC ground. 8 men's teams and 4 women's teams from Pune City participated in this event. Principal Dr. Rajendra Zunjarrao and BMCC Principal Dr. C. N. Rawal. inaugurated the event.
- Mens result: winner- Modern college Shivajinagar, runnerup- S. P. College, third place- Modern college of Engg.
- Womens result: winner- Chandrashekhar ageshe college of physical education, runnerup S. P. College, third place Abeda Inamdar College.



### Inter zonal Baseball (M)

- Inter zonal Baseball mens tournament was organized by our college on 17<sup>th</sup> and 18<sup>th</sup> September 2014 at BMCC ground. The tournament was inaugurated by BMCC Principal Dr. C. N. Rawal. Four teams from Pune University i.e. Pune City, Pune District, Ahemadnagar and Nashik participated.

Result: Winner- Pune District Zone , Runnerup- Ahemednagar Nagar Zone, Tthird place- Pune City Zone

### Inter Zonal Cycling

- Inter zonal Cycling competitions were organized by our college at Shiv Chhatrapati Stadium, Balewadi on 8<sup>th</sup> October 2014. Four teams from Pune University i.e. Pune City, Pune District, Ahemadnagar and Nashik participated in the track events. Dr. Rajendra Zunjarrao, Principal of Modern college, Shivajinagar & Dr. Deepak Mane, Director of sports, Pune University inaugurated the event.

### Inter Zonal Badminton

- Inter zonal Badminton men and women tournament was organized by our college on 10<sup>th</sup> and 11<sup>th</sup> November 2014. Chief Guest for the opening ceremony Dr. Deepak Mane, Director of Sports, Savitribai Phule Pune University, Principal Dr. R. S. Zunjarrao inaugurated tournament . Four Teams from Pune



University i.e. Pune City, Pune District, Ahemadnagar and Nashik participated.

### Inter Class Competitions

- Interclass competitions for the promotion of the certain games and entertainment purpose were organized from 15<sup>th</sup> December 2014 to 22<sup>nd</sup> December 2014. Football, Basketball, Volleyball, Badminton, Table Tennis and Chess were the events organized during this period.



### Modern Harmony 2014-15

- Modern Harmony Sports Festival was organized from 25<sup>th</sup> January to 12<sup>th</sup> February 2015 Festival started on 12<sup>th</sup> January 2015 with Volleyball, Best Physique and 5 aside Hockey competitions were organized in this festival.

Modern Shree winner : Wasim Pathan MAI

Progressive Shree Winner Ashish Mane, BRG college, Sangvi

Volleyball Result Winner- S, P. College, Alandi, Runnerup - Jadhe College pune Third place - Modern College Shivajinagar

Hockey 5 aside Result Winner - Ness Wadiya College Runnerup- NWC Third place- T. J. college, Pune

### Hearty Congratulation

Our college Alumni Himanshu Manhor Sankhye Performed Limka book and Guinness book of world record Sarvangasana on 14th Feb 2015 at 8 a.m. to 9.30 a.m.

### Late Shankarrao Kanitkar Sports Festival 2014-15

- P. E Society's, Shankarrao Kanitkar Sports Festival was organized from 3<sup>rd</sup> march 2015. Our College student and staff teams Participated in this event and achieved the merit were as follows: our college boys got 1<sup>st</sup> Place & girls team got 2<sup>nd</sup> Place in Football tournament.
- College staff womens Dodge ball , Throw ball got 1<sup>st</sup> place & mens staff cricket team got 1<sup>st</sup> Place and volleyball mens team got 2<sup>nd</sup> place.

### Annual Prize Distribution "Gymkhana Day"

- Annual Prize distribution i.e. "Gymkhana Day", was celebrated on 28<sup>th</sup> February 2015. Our college Alumni Shri. Shrirang Inamdar, Arjun Award, Dadoji Konddev. & Chatrapati Award winner Kho-Kho Player are the chief guests, Dr. Gajanan Ekbote, Chairman, P. E. Society, presided of the function & Guest of honour Prof. Shamkant Deshmukh, Secretary, P. E. Society, Prof. Jyotsna Ekbote Joint Secretary, P. E. Society, Mrs.Kshipra Inamdar, Mrs.Shobha Nikam, Head Mistress of P.E.S. Girls High School, Rastrapati Award winner.

### Mission Modern Cline

#### • Coaching Camp and work shop

College organized special coaching camps for football to enhance the skill and strategic development of the players. These efforts gave results by placing college teams in good position in Intercollegiate Competitions. We also organized Baseball hitting skill workshop to enhance the batting skill and development of the players.

#### • Hockey League (M/W)

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



### Physical Education Exam





**T.Y.B.A. Economics Syllabus Revision Workshop**



**Electronic Science - Imagine-2015 Project Competition**



**Economics - Financial Literacy Campaign - Phulgaon**



**Electronic Science - Imagine-2015 Prize Distribution**



**Visit to CMFRI, Cochin - Dr. K. D. Gopale and  
P.G. Students - Botany with Senior Scientists**



**Electronic Science - Alumni Meet**





**Biotechnology - Students and staff at CDFD - Hyderabad**



**Botany - Inauguration of flower arrangement competition**



**Biotechnology - Educational visit to KKV, Dapoli**



**Botany - Dr. A.V. Dusane judging the models**



**Principal Dr. Zunjarrao addresses the Industry - Academia Meet**



**Botany - Students with model**





Hon. V.C. Dr Wasudev Gade and Dr. (Mrs) S. D. Joag  
at Science Park Exhibition.



Computer Science - Poster Exhibition and Competition  
Inauguration by Principal Dr. Zunjarrao



Principal Dr. Zunjarrao visiting  
ChemModern Exhibition



Computer Science - Felicitation of Meritorious Students

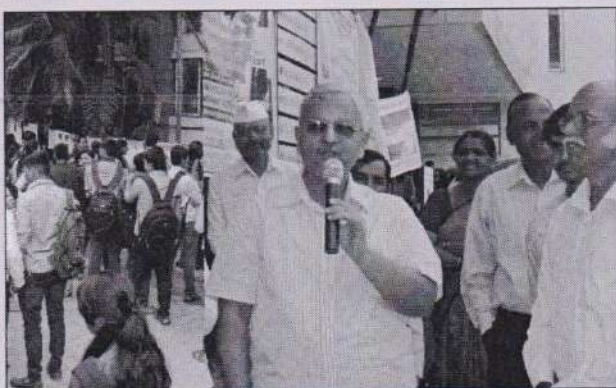


Student showing experiment at Science Park Exhibition



Computer Science - Felicitation of Meritorious Students  
(Kartik Rindani Contest)





Inauguration by Prof. S. R. Chaudhari - Poster Competition - Physics



EQ Workshop - Psychology



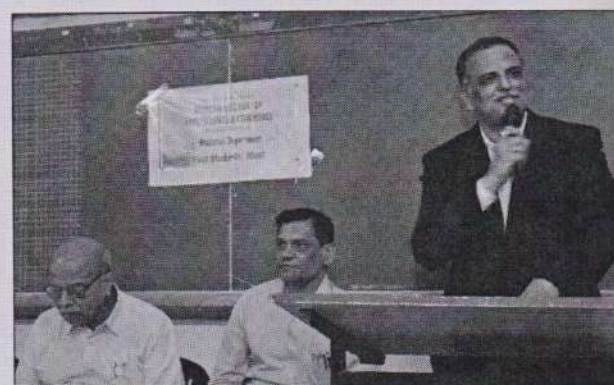
Principal Dr. Zunjarrao visits Project Competition - Physics



Muktangan Visit - Psychology



Physics - Prize Distribution - Prof. A. G. Gosavi



Prof. P. S. Chirputkar, Chairman LMC at Alumni Meet - Statistics



GMRT Study Tour - Physics



Statistics Quiz - Final Round





**Zoology : State Seminar - Inauguration - Ganga Stotram**



**Microbiology - Felicitation of Apurva Mule**



**ZooVision - Felicitation of Judges -  
Dr. Sushama Thatte and Prof. Charulata Butala**



**Ms. Chaitrali Atre and Ms. Tanushree Bhandari  
First Prize Poster competition in National conference**



**ZooVision - Inquisitive Minds**



**Mr. Sumeet Pandit and Mr. Shubhankar Ambike first prize**



**Microscopy Workshop (DBT) for Life Science students  
Hands - on - Training**



**Microbiology - Educational Visit  
Shree Someshwar Sahakari Sakhar Karkhana**





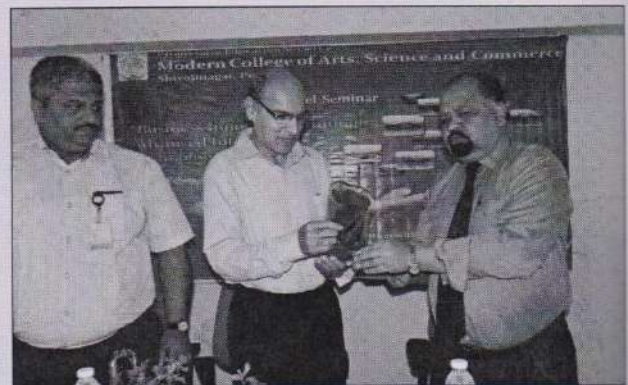
WCBS - Aarohan Prize distribution



WCBS - Guest lecture



WCBS - Republic Day celebration



WCBS - State Seminar



WCBS - Street Play at Social week 2015



Softskill Development Workshop - Participants



Commerce - Shri. Krishnakumar Goyal at Vyapar Mela



Commerce - Vyapar Mela - Trade Fair - A Mega Event





कलासप्ताह - नाट्यवाचन स्पर्धा - ओंकार ढोरे व मुक्ता वळसे



कलासप्ताह समारोप - विद्यार्थी प्रतिनिधी प्राची अत्रे सूत्रसंचालन करताना



कलामंडळ - श्री. रमेश गुलाणी गुणवंत विद्यार्थ्याचा सत्कार करताना



कलामंडळ - विविध गुणदर्शन स्पर्धा - विजेता संघ



International Conference - Cultural Programme



International Conference - Cultural Programme



International Conference - Cultural Programme



International Students' Cultural Festival - 2015

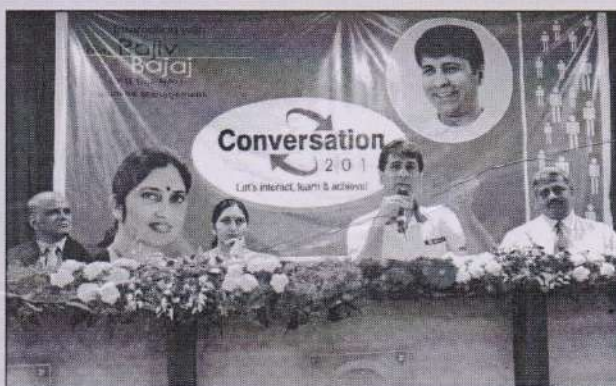




Principal Dr. Zunjarrao and Vice-Principals with  
Dr. Vijay Khare, Director, International Students' Centre, SPPU



Invited Guest lecture  
Principal Dr. Zunjarrao welcomes Dr. Jayant Narlikar



Mr. Rajiv Bajaj, M.D. Bajaj Auto in 'Conversation' with Youth  
upon initiative of Hon'ble - Mayor of Pune Mrs. Chanchala Kodre.



Gymkhana Day : Prof. Dr. Gajanan Ekbote  
addresses the audience



Artist ...  
Sumit Kadam  
MCA-II



## Sports - Winner Teams



Inter-collegiate  
Cricket :  
Winner Team -  
Women



Inter-collegiate  
Kho-kho:  
Winner Team -  
Men



Inter-collegiate  
Netball :  
Winner Team -  
Men



Inter-collegiate  
Netball :  
Winner Team -  
Women



## Sports - Winner Teams



Inter-collegiate  
Volleyball :  
Winner Team -  
Men

Modern Harmony  
Football-  
Winner Team



Inter-collegiate  
Kho-kho  
Runner up  
Team -  
Women

Inter-collegiate  
Handball  
Third place -  
Women





## Sports - Winner Teams



Interschool  
Winner and  
Inter-zonal  
participation  
Volleyball Team

Inter-collegiate  
Baseball Winner  
and  
Softball Runner up  
Team



Inter-collegiate  
Cross-country  
Runner up Team -  
Men

Inter-collegiate  
Handball  
Runner up Team -  
Men





## Sports - Winner Teams



P.E.Society's  
Late Shankarrao Kanitkar  
Sports Festival  
Staff - Women  
Dodgeball and  
Throwball  
Winner Team



P.E.Society's  
Late Shankarrao Kanitkar  
Sports Festival  
Staff - Men  
Cricket - Winner Team  
Volleyball - Runner up



Inter-collegiate  
Hockey  
Third place -  
Women



Inter-collegiate  
Volleyball  
Third place -  
Women