

# Historical Account

*Journey from 1970-2016...*



*Progressive Education Society's*

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

Shivajinagar, Pune 411005, Maharashtra, India



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## **Editorial**

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It is a proud moment to present before you the historical account of Progressive Education Society's Modern College of Arts, Science and Commerce, Pune-5. With reference to the compliance of 2010 NAAC Team, the authorities decided to take the review of history of the development of college and its departments. Historical documentation is a prerequisite of any institute. Hon. Principal Dr. R. S. Zunjarrao, suggested me to initiate the work of documentation and we started working on the project of historical documentation under the able guidance of Dr. R. S. Zunjarrao.

In June 1970, the foundation of the college was laid by the great and inspirational teachers like Shakarraoji Kanitkar and Tatke sir. It was a dream project of these great souls. They supported and guided by Principal Nanasheb Suru, V. T. Tatke, Dr. V. N. Bhawe, Mr. Maydeo, Mr. Bhausaheb Limaye, Dr. Kale, Dr. Kale, and Prof. M. G. Chaphekar. Due to the dedication of these great, passionate and dedicated people, the Modern College could maintain its standard and ideal position in the city and out of its sphere as well. It was in the first time in the history of educational institutes in India, the Progressive Education Society to start college, build its college building first. Application for permission was submitted to Savitibai Phule Pune University (Formerly known as Pune University) later. They developed well equipped laboratories and library as well in the beginning. It started with 700 students, now it has reached to 7500 enrolled students. Some P.G. Departments started in 1994. First recognized research center of the college was established in 1979 and second one was in 1985. After 2005 more research centers were started. Now, the college runs 24 UG, 18 PG and 7 research programmes. It witnesses quantitative and qualitative progress of the institution.

The students of all streams have been securing high grades and positions in SPPU examination. The teaching staff is experienced, well qualified and erudite. Many teachers are involved in research activities. The numbers of research activities have been increasing. The graph progress has been increasing since 1970. The historical account is documentation of many aspects to gauge.

The development of college since 1970. It is my honour to dedicate this progress to the founders of the institute and the present chairman Hon. Prof. Dr. Gajanan Ekbote. We have been achieving success in every field of imparting education due to his encouragement, support and able guidance. Principal Dr. R. S. Zunjarrao and Prof. S. S. Deshmukh, Vice Principal and Secretary, Progressive Education Society has always been source of inspiration to work on this project. Vice principals of all wings, heads of all the departments submitted their reports promptly. Prof. Mrs. Jyotsna Ekbote, Dr. Pande, Prof. Chirputkar and Dr. S. Y. Paranjape, Prof. A. G. Gosavi's suggestions contributed to make this document valid and accurate. Department of history and department of Publication have greatly helped. The teachers of department of English had done a great job of editing the historical document. I take this opportunity to express my gratitude to all the people who helped me making this report fulfilled.

The creative art work has been done by Mr. Chintan Dewalia.

The history of 1970 to 2016 is milestone in the journey of Modern College, but I am sure the journey of Modern College, ahead, will definitely be the pathways to success.

- **Dr. Vijayantimala Jadhav-Bhosale**

Editor, Historical Account,

Department of Marathi,

Modern College of Arts, Science and Commerce, Pune 411005.



## **Chairman's Message...**

The *Progressive Education Society's* Modern College of Arts, Science & Commerce, Shivajinagar, Pune-5 was established in the year 1970 with the aim to impart quality education to the young minds, as the first senior college of *Progressive Education Society*. This institution was 'a-dream-come-true' for the two visionary educationists, namely, the founders of *Progressive Education Society- Late Shankarraoji Kanitkar* and *Late V. T. Tatke*. Seeing the grand success of this institution, I feel that this college has achieved a benchmark in senior college education, and it will keep on achieving further milestones in future. Technological progress in the last few decades has helped to breach national barriers and create a global marketplace. Our objective is to develop confidence, self-motivation, research and problem solving skill sets and imbibe value education among our students. We give top priority to discipline and knowledge and the application of the same for societal progress and upliftment.

The *Progressive Education Society's* Modern College of Arts, Science & Commerce, Pune-5 a renowned institute in Maharashtra, has received several accolades in the field of education since *NAAC* Committee's 'A' Grade accreditation. The college aims to further improve the *NAAC* 'A' Grade accreditation it has received through a variety of new educational activities and facilities.

In the year 2010 – 2011, on the occasion of the Biodiversity Year, the Biotechnology department of the college had organized a an international conference. It was held under the *Savitribai Phule Pune University's* Quality Improvement Program which received an excellent response.

There has been an excellent response from students for the newly introduced Degree-Diploma courses such as BBA, BCA, MCA (Commerce), PGDFT.

The expansion of the college buildings in the year 2010 – 2011 saw the completion of the new Administrative Building along with well-equipped laboratories.

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

The College was awarded with C.P.E. status (College with Potential for Excellence) by UGC, New Delhi. This is certainly a feather in the cap of "Team Modern".

The college has been sanctioned with 'Star College Scheme' status by Department of Biotechnology, Ministry of Science and Technology, Government of India in March 2013.

The number of students enrolled during the academic year 2013-2014 was more than 7000, and it's a matter of pride that there were 83 International students admitted in that year. The college established use of *ICT* in administration and the teaching-learning process. A 'Digital Record Room' and 'Digital Library' were established to benefit student services.

The college organized one International, one National and two state level conferences this year too. Along with academics, research, co-curricular achievements, college has crossed landmarks in Social work as well. Paddy plantation, socio-economic survey of neighborhood community, guidance sessions for blind students etc. are remarkable activities of the college *NSS* unit. The players from the Department of Physical Education won 131 Gold, 104 Silver and 63 Bronze medals in various level sports events. I am confident that the college will progress in co-curricular and extracurricular activities at the same pace, as academics. The college runs 24 UG, 18 PG and 7 Research Centers in the campus, which are recognized by *Pune University*.

The academic year 2015-2016 started with the celebration of 45<sup>th</sup> College Foundation Day on 15<sup>th</sup> June 2015.



'Modi Script' training programme was organized and a formal examination for the participants of this training programme was conducted in the college. Total 80 participants registered for this training programme. Members of the teaching and non teaching staff participated in the programme.

The Administrative Staff participated in various functions organized by our college during this year. These include:

- The College Foundation day celebrated on 15<sup>th</sup> June 2015.
- International, National, State level seminars organized by various departments.
- Various functions organized by all the Committees and Associations.
- Arts Circle Week.
- Annual Social Gathering.
- Academic Prize Distribution Function.
- Gymkhana Prize Distribution Function.
- Office has also supported the social activities organized by NSS, NCC etc.

Medical examination of all First Year Students was conducted on behalf of the *Savitribai Phule Pune University*, by the Committee constituted by the College. The Medical checkup committee with the help of teaching and non teaching staff carried out this activity.

This college has conferred many awards, recognitions and scholarships to deserving student candidates who participated in their academics or other activities.

I also understand the need for the students to feel at home in the college environment. Both the teaching fraternity and the management team are amiable, but discipline oriented. All amenities like Computer Labs with internet facility, library and laboratories, etc. function in full swing to make the students perform well.

This college is a jewel in the Progressive Education Society's Crown. It considered as an 'Asset' of the Pune University. As the teaching & non-teaching staff is inspired to achieve great heights, this college has a bright future. I congratulate *Dr. Rajendra Zunjarrao* & all his associates who have played a major role in the success of the institute. I hope the college retains its's mantra of being 'Modern' & 'Progressive' always.

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

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

As I always say, Modern College is an "ASSET" to *Progressive Education Society* as well as SPPU. I wish the college & its staff my very best to become an even a stronger ASSET in the future.

I congratulate the Principal, all LMC Members, the staff member and students of this "BEST" College for Publishing 'Historical Account' of the college.

With best regards,

**- Prof. Dr. Gajanan Ekbote**

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

Chairman,

Business Council,

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



### ***From the Principal's desk...***

It gives me immense pleasure in presenting the historical account of The Progressive Education Society's Modern College of Arts, Science & Commerce, Shivajinagar, Pune-5. At The Progressive Education Society's Modern College of Arts, Science & Commerce, we value every individual in our care and it is our endeavor to provide the best possible environment, in which our students can succeed. Our campus has grown from its inception in 1970 to accommodate over 7500 students with first class teaching facilities.

In June 1970, the college foundation was laid by great and inspirational teachers like the Late Shankarraoji Kanitkar and Late V. T. Tatke.

The students from all streams have been securing high grades and positions in SPPU examinations. Apart from the academic activities, we also encourage students to be a part of co-curricular and extra curricular activities. Our students have left their indelible mark on the fields of sports, fine arts, NCC and NSS. A number of courses have been introduced in our education society. Here, at P.E. Society we not only educate our students but also encourage them, create awareness programs, etc.

The progress of the college in the areas of education, arts, sports & research is extremely satisfactory. Since, the year 2010 - 2011 was declared as World Biodiversity Year, the Botany & Zoology Departments had organized a discussion on 'International Seminar on Biodiversity and its Conservation'. This Seminar received excellent response with experts from 21 states & 6 countries participating in the Seminar. Approximately 10 research papers were published/presented.

There has been an excellent response from the students for the newly introduced Degree-Diploma courses such as BBA, BCA, MCA (Commerce), PGDFT.

The highlight of the academic year 2011-2012 has certainly been the '**International Conference on Business Opportunities in Life Sciences**' organized by us in the month of January 2012. The College has started **Virtual Class Room, Digital Class Rooms, and Day Care Centre** in this academic year. **Biometric Attendance System** was installed for the entire College staff, for which three machines were set up at different convenient places in the campus.

In the academic year 2012-2013, we were able to take a few more successful steps towards the use of ICT in teaching, learning and administration. Some of these are issuing of identity cards to students on the same day of admission, bulk SMS service for urgent correspondence with students, on-line attendance system, digital record room, digital library and virtual laboratory.

At the beginning of the academic year 2013 - 2014, Foundation Day of our college was celebrated with a guidance lecture of Honorable *Shri. Sanjay Nahar*, Founder President, *SARHAD, Pune*. The library infrastructure was renovated completely and of library was enhanced by modern facilities like web *OPAC*, accessing e-books, staff study section, library website, library e-bulletin, photocopy, printout facility and *CCTV* surveillance for the library. In this academic year, department wise *CCTV* surveillance was also provided in some departments. We have enhanced use of *ICT* facilities in teaching, learning and administration. Online admission procedure was adopted for several courses in this academic year.

We are fortunate to have talented, committed teaching and support staff to ensure the learning environment of our student is the best it can be. We seek to prepare our college students with the best preparation for life after Modern College. We seek to instill in our students a passion for learning that will bring the knowledge and understanding needed to make a positive contribution to society, communities, etc., in which they live and work.

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



**AT A GLANCE**

Established in June, 1970.

Recognized by Government of Maharashtra.

Affiliated to Savitribai Phule Pune University (Formerly known as Pune University), Pune

Re-accredited 'A' grade by NAAC (Second cycle).

**GOALS AND OBJECTIVES**

Impart higher education in all streams.

Promote activities for student welfare.

Developing leadership qualities.

Preparing students to be able to seek opportunities in business and employment.

Inculcate moral values such as devotion, sincerity, discipline, etc.

To maintain the NAAC 'A' Grade accreditation it has received through a variety of new educational activities.

**COURSES INTRODUCED**

1. Degree-Diploma courses such as BBA, BCA, MCA (Commerce), PGDFT. (2010 – 2011)
2. Fashion Designing.

**ACHIEVEMENTS**

1. The College has completed the construction of the new administrative block and elevators for the staff, senior citizens and physically challenged persons (2010 – 2011).

**AWARDS BESTOWED**

1. 'Best College Award', SPPU, 2008.
2. NAAC Re-accredited with 'A' grade, 2010.
3. 'College with Potential for Excellence', UGC, 2011.
4. 'FIST Scheme', DST, 2012.
5. 'BSR Scheme' UGC, 2013.
6. 'Star College Scheme', DBT, 2014.
7. 'Best College Award (NSS)', SPPU, 2014.
8. 'Community College Scheme', UGC, 2015.
9. 'Best College Award (Sports)', SPPU, 2016.

**PRINCIPALS TILL DATE**

No.	Name	From	To
1.	Prof. M. B. Limye (M.Com.)	15 June 1970	25 Oct. 1978
2	Dr. L. H. Gadgil (M.Sc., Ph.D.)	26 Oct. 1978	30 April 1979
3	Prof. S. Y. Gambhir (M.Sc.)	1 May 1979	18 May 1986
4	Dr. S. N. Navalgundkar (M.A., Ph.D.)	19 May 1986	6 Sept. 1987
5	Prof. P. S. Chirputkar (M.Sc.)	7 Sept. 1987	15 Nov. 1988
6	Dr. S. N. Navalgundkar (M.A., Ph.D.)	16 Nov. 1988	17 Sept. 1992
7	Prof. S. Y. Gambhir (M.Sc.)	18 Sept. 1992	30 April 1993
8	Dr. S. Y. Paranjpe (M.Sc., Ph.D.)	1 May 1993	30 April 1994
9	Prof. P. S. Chirputkar (M.Sc.)	1 May 1994	9 May 1995
10	Prof. P. D. Apte (M.A., FRGS. (London))	10 May 1995	30 April 1998
11	Prof. A. G. Gosavi (M.Com., M.P.M.)	1 May 1998	6 July 2008
12	Dr. R. S. Zunjarrao (M.Sc., Ph.D.)	7 July 2008	Till date

There are many institutions that are running under *Progressive Education Society* and Modern College is one of them. I am glad to be associated with it and render my utmost gratitude to all those who are associated with this college. We have been achieving success in every field of imparting education due to



the encouragement, support and able guidance of Honorable *Prof. Dr. Gajanan Ekbote*, Honorable Chairman, Business Council (*Progressive Education Society*), Vice Principal, Secretary and teaching and non-teaching staff. I congratulate the staff members and the editorial committee in general and the chief editor Dr. Mrs. *Vaijayantimala Jadhav* in particular for preparing 'Historical Account' of the college in most effective manner. I am also grateful to Local Managing Committee Chairpersons *Prof. Mrs. J.G. Ekbote*, *Prof. P.S. Chirputkar*, *Dr. A. K. Pande* and for their active support, guidance and encouragement.

With best regards,

**Dr. Rajendra S. Zunjarrao**

**Principal**

*Modern College of Arts, Science & Commerce,*

*Shivajinagar, Pune - 5.*



## Office

*Progressive Education Society's* Modern College of Arts, Science and Commerce, Shivajinagar, Pune-5 was established in June, 1970 while the College building was still under construction. Some of the classes and courses were started in June, 1970, with limited number of students and courses. Considering the building, number of students and number of courses, the important administrative aspects such as Library and Office including Accounts section were located near the principal's room. A single classroom was divided to accommodate a classroom, office, and library and accounts section. We started the functioning of our college with very few administrative staff. One of the first individuals to associate with us was Shri Deshpande Y.P. as the first Registrar of the college who joined the college in 1970, S.Y. Kulkarni as Superintendent of the college, Mr. Khopkar D.S. and Mr. Doshi B.R. as the office for Accounts and Administration.

The construction of the building was in progress and was to complete in the due course of time. Meanwhile, the management applied for new courses and appealed to the students to join the different courses. Considering the new courses and increasing strength of students, we received impetus to improve our Administrative section including Accounts section. Prof M.B. Limaye was the First Principal of the college. Registrar Deshpande Y.P., Superintendent Shri Kulkarni S.Y., Shri Doshi B.R. and Shri Khopkar D.S. were to assist the Principal to run the college. As the goal of the *Progressive Education Society* is that every institute which is to be started should be Progressive and Modern, the name of the college is *Progressive Education Society's* Modern College of Arts, Science and Commerce. Being Progressive and Modern, courses like B.A., B.Com, and B.Sc. were started. Subsequently, M.Com P.G. Course was also started. Proper permission from the concerned authorities and Government was also taken and considering the scope, additional staff was recruited for college administration and accounts section. In those days, one additional room was also made available for the accounts section. All the statutory books of accounts were maintained by the college. The Accounts department staff undertook the work of Income Tax of the College staff, the Contractors and subcontractors. The Returns of the Income Tax and Professional Tax, Books of accounts like Cash books and Ledgers, Budgets of Senior College were also prepared manually by using Typing Machines and Cyclostyling machine. This work was carried out by senior staff working in the accounts section viz Mr. Mone, Mr. Khare, Mr. Gaikwad & some new staff was also appointed in the year 1982 and 1984 to ease the workload of Accounts and Administrative section. The staff so appointed made efforts to computerize the existing manual systems initially in DOS base systems like Lotus 123, WordStar etc. Mainly, the Income Tax calculations, deduction of monthly tax from the salary and filing of College Income Tax Returns viz form No. 24 and form No.26. The Accounts section has also transformed the manual data of Senior College Payrolls in DOS software like LOTUS and subsequently in MS Office using Excel. Maximum automation using the intelligence of computer was made. For example, merging 12 months salary files & consolidating it in a single file to calculate GTI proved useful for calculating annual Income Tax of each employee, bringing accuracy in the calculations. Even Pay roll systems were also developed using MS Office Auto calculations and using formulas and nesting and looping by which speed and accuracy was achieved. The Program for Printing of Payrolls, Individual Monthly Pay slips etc. was also developed. The Feature of Mail-merge available in MS Word was also used by the accounts section viz for University, Examination Bills, and submission of University Examinations Accounts to University, consolidation of Monthly PF Data and preparation of Yearly PF Slips. This feature is also used for issuing Call letters for various types of recruitments & its scheduling. In the year 1986, new course of BCS was



introduced by the college on non-grant basis for which separate Accounts were required to be maintained like grantable, each and every thing of Pay-roll, Books of Accounts, etc were required to be maintained separately.

In the Year 1994, 6 Post Graduate Courses were started and at present there are 16 Post Graduate courses and 2/3 other UG Non-grant courses were started. There were 4/5 separate units of UG/PG Grant and non-grant for which the accounts and all other things related to each unit was computerized and maintained separately. Considering the volume of Students Strength (approx. 10,000) and Number of UG/PG Grant Non Grant courses to be handled, the accounting data was computerized in the year 2003-04 using Computerized Accounting Software viz. Tally was purchased and the manual data of each unit was transformed from manual to computer. Recently, the advanced version of Tally ERP 9 is being used to maintain the accounts of each unit. The Other Software purchased to control the volume of students data is VRIDDHI Students database Management System which was of great help to Accounts section and Admin staff to keep the track of students paying the fees, outstanding fees from students, scholarship, concession holders etc.

In the year 2010-11, The New Administrative Building was constructed and the Office and Accounts section was shifted to the Administration Building equipped with advance technology and air-conditioning. Separate Section for Accounts is given to work smoothly and without any interruption. Office Intranet facility and also the internet facility is made available to each and every office staff including Accounts Section which enable them to maintain Staff and Contractor's TDS data, file the Quarterly and Annual Returns online, to deposit the TDS online in time, to file online the Non-Grant PF Statement in time and to file Professional Tax monthly Returns using internet facility. This facility is also used by Admin Section for filling the F.Y. Students data, filling of Examination Forms, printing of summary and Admit Cards for each and every exam i.e. all work from examination to declaration of result is carried out using Vriddhi. To enhance efficiency, staff was given training at different levels including the workshop like personality development. Digitization of Administrative record and Accounts record was carried out by providing a separate room, facility and staff for it. The Software for retrieval of required data has also been purchased. Maximum data has been digitized and the work of digitization is yet in process.

The objective of office Accounts and Admin section was that, by adopting advanced technology to give better and better services to existing students, past students and Staff etc. has been achieved near about 70 to 80 % . The Guidance and help of Management, Principal and Vice-Principal's was very valuable and the contribution and efforts taken by the staff in Admin and Accounts section is also noteworthy.



## **Department of Commerce (Grant-in-aid)**

Modern College of Arts, Science and Commerce, Shivajinagar, as well as the Department of Commerce were established in 1970 under the eminent leadership of the then Principal Prof. M. B. Limaye. Since inception, till date the strength of the students of commerce faculty has been in majority. Since 1970 the department has been bestowed with enthusiastic, young and experienced academicians and professionals like the then Principal Prof. M. B. Limaye, Prof. R. G. Mjar, Prof. M. R. Bhawe (C.A.), Prof. N. F. Karnavat (C.A.), Prof. P. D. Parkhi (I.C.W.A.), Adv. P. Narayan, Adv. Khasagiwale, Prof. Sayyad (C.A.), Prof. Medadkar (C.A.), Prof. S. K. Mehta (C.A.), Prof. S.G. Datar, and Dr. M. A. Mitra.

The same tradition continues even today with experienced academicians and professionals like Prof. Anant Gosavi, Dr. Yeshwant Waghmare, Dr. Bharati Dole, Dr. Sanjeevani Rahane, Dr. Ashok Kamble, Prof. Jivita Gujar, Prof. Swati Ahiwale, Dr. Raghunath. Kulkarni (C.M.A.), Dr. Vijay Gaikwad, Prof. Dattatraya Mule (C.A.), Prof. Rupesh Bansode, Prof. Shraddha Hirwe, Prof. Amol Desai, Prof. Rasika Date (C.A.), Prof. Ravindra Deshpande (Adv.), and Prof. Rahul Jadhav.

The Department has flourished under the guidance of successful and renowned professionals like Prof. Pramod Parkhi (Cost Accountant and Banker), Chartered Accountants like Prof. N.F. Karnavat, Prof. M.R. Bhawe, and Senior Legal Consultants like Adv. P. Narayan, and Adv. Khasagiwale. Also, **six** members of the Department have been awarded with the Doctoral degree.

The writings of Prof. S.G. Datar, Prof. A.G. Gosavi, Dr. M.A. Mitra, Dr. Y.R. Waghmare on various subjects in commerce, business, management, etc. brought the Department and the College to fame. Also the members of Department of Commerce have contributed from time to time in the areas of research, university administration, etc.

Similarly, Prof. S.G. Datar, Dr. Y.R. Waghmare, Dr. A.V. Kamble have worked as members in Board of Studies and member of SENATE of the then University of Pune. Prof. A.G. Gosavi has worked as member as well as the Chairman of Board of Studies He has also been the Member of Management Council of the then University of Pune.

The members of the department have also actively participated in college administration such as Prof. Limaye, Prof. A.G. Gosavi as a Principal, Prof. S.G. Datar, Prof. A.G. Gosavi, Dr. M.A. Mitra, Dr. Y.R. Waghmare as Vice Principal.

In March 2014, three faculty members of the department visited the renowned Shriram College of Commerce, New Delhi. The study tour was helpful in enhancing the quality and improving the performance of the department.

The members of the department have been actively participating in syllabi revision and restructuring in the then University of Pune since 1970. Even today, Dr. Y.R. Waghmare, Dr. A.V. Kamble, Dr. R.W. Kulkarni, Dr. S.K. Rahane are some of the active members of the syllabi framing committee.

### **Subjects Offered**

As per the syllabi designed by Savitribai Phule Pune University, the department is offering the following compulsory as well as optional subjects.

1. Advanced Accountancy.
2. Advanced Costing.
3. Business Administration.
4. Company Law and Taxation.



5. Marketing.
6. Statistics.
7. Business Entrepreneurship.
8. Business Practices.

In 1978, the Department also commenced **M.Com Course (Grantable)** and in 2008 the **Research Centre** of the Department was granted recognition by the then University of Pune. Till date, **seven research scholars** from this Research Centre have been awarded the doctoral degree.

In a nutshell, the progress of the Department of Commerce is as under.

**Table No. 1: The Classes Run and the Year of Establishment**

S. No.	Year	Classes
1.	1970	Pre- Degree and First Year
2.	1972	Second Year and Third Year
3.	1978	M.Com. (Part I and Part II)
4.	2008	Research Centre in Commerce
5.	2010	B.B.A. and B.C.A. in Commerce
6.	2011	M.C.A. Commerce

**Table No. 2: The Strength of the students (Year of commencement & year 2015-16)**

S. No.	Classes	Year of commencement	2015-16
1.	Senior Wing	240	1440
2.	Post Graduate (M.Com)	60	120
3.	Post Graduate (M.C.A.)	40	120

#### **Seminars Organized by the Department of Commerce**

Since inception, the department has organized the seminars and workshops on various issues, subjects at University, District, State and National Levels.

#### **Some of the themes are:**

1. Industrial Relations.
2. Consumer Protection.
3. Recent Trends in Corporate Finance.
4. Entrepreneurship Development.
5. Amendments in Companies Act.
6. Cost Accounting Record Rules and Cost Audit Report Rules
7. IFRS – Accounting Standards.

Eminent speakers and experts of state and national repute in the fields of business, law, industry and other fields were invited to guide the participants in these seminars and workshops.

Similarly, the faculty members of the department have also participated in seminars and workshops at district, national and international levels organized in all the parts of a country.

#### **Placement Cell**

Since last 45 years, the Teachers have been guiding the students for their career development and



employment opportunities. Various students have been recruited through placement cell in the following organizations.

1. Tata Motors.
2. Bank of Maharashtra and other Nationalised Banks.
3. Thane Janata Sahakari Bank Ltd. And Vidya Sahakari Bank Ltd.
4. G.E. Finance.
5. Syntell.
6. Zensar.
7. Deutsche Bank.
8. H.P. Ltd. Hyderabad.

#### **Achievements of the Students of the Department of Commerce**

Since inception, the students of the department have excelled in academic as well as in various other fields like music, acting, sports, politics, government administration, police department etc.

Three students from the first batch of graduation secured a position in a merit list of first ten students of the then University of Pune. The tradition continued even thereafter. To name a few meritorious students – Ajit Kanitkar, Chaya Jogalekar, Pravin Lunkad, Shilpa Gujar, Archana Badgujar, Sanjeevani Hasabnis. Similarly, many students have successfully completed the professional courses like C.A., I.C.W.A., C.S., and M.B.A., etc.

Students of the department have become successful in national level competitive examinations. Presently, they are enjoying senior and prestigious positions in various government departments. Some of them are Mr. Avinash Dharmadhikari (Retd. IAS Officer, Government of Maharashtra), Dr. Sadanand Date (IPS, Commissioner of Police), Sunil Dadhe (Director General, International Centre for Earth Studies).

In the field of sports, one student, Shrirang Inamdar has been awarded with Arjun Award, Shiv Chatrapati Award, and Dodoji Konddev Award. Similarly, various awards have been bestowed on Girish Dande, Vasudha Tumpaliwar, Seema Joshi, Bharati Shah, and Ms. Banberu, etc.

In the field of Drama and cultural activities, Gaganvihari Borate created history by winning the prestigious Purushottam Karandak Award three times in a row. Also, Makarand Tillu (One Act play), Tyagraj Khadilkar and Vibhavari Apte (Vocal Music) are some of the leading names in the respective fields.

Students like Vibhawari Apte, Yashodhan Bal, Milind Date, Yogesh Gosavi, Saurabh Gokhale, Girish Gogawale have excelled in the field of film industry.

Past students have been active in politics also, eg. Jalindhar Kamathe (Z.P. President), Azambhai Pansare (Mayor and MLA), Madhuri Misal (MLA), Sanjay Balgude (Corporator, Pune Municipal Corporation)

Following are some of our renowned past students of the department who worked in various fields and enjoyed prestigious positions.

S. No.	Name of the Student	Field / Post
1.	Mr. Nitin Mitkar	ACP
2.	Mr. Shivaji Nimhan	ACP
3.	Mr. Sham Wagh	Senior Excutive and financial consulatant
4.	Mr. Ravindra Gurjar	Senior Excutive and financial consulatant
5.	Mr. Avinash Dharmadhikari	Ex-IAS



6.	Mr. Sadanand Date	IG (CRPF, Chattisgarh)
7.	Mr. Sunil Dadhe	Sr. Civil Officer, Govt. of India
8.	Mr. Jayant Alabal	Senior Executive in Corporate Field
9.	Mr. Dilip Naik	Asst.General Manager Manager, IDBI
10.	Mr. Mukund Sangoram	Editor – Loksatta
11.	Mr. Saurav Gokhale	Theatre, Film
12.	Mr. Anand Thorat	Industry and Business
13.	Mr. Rajendra Phalke	Cooperation and Politics, Education
14.	Mr. Hamid Shaikh	Senior Professional and Senior Industrial Executive
15.	Dr. Mrs. Suvarna Deo	Ex- Principal, Pendharkar College, Mumbai

#### Introduction:

*Progressive Education Society's* Modern College of Arts, Science and Commerce, Pune -5 established Wing of Computer and Business Studies, during academic year 2007-08 to deliver undergraduate education in B.B.A., B.C.A., B. Com, M.Com. and B.B.M. (IB) under Commerce stream. College is affiliated to Savitribai Phule University of Pune. College is merged with *Progressive Education Society's* Modern College of Arts, Science and Commerce, Shivajinagar, Pune -05 and Known as Wing of Computer and Business Studies from the Academic Year 2012-13.

#### Course Details:

B.B.A. - B.B.A. is a full time 3 years program leading to the award of Bachelors degree in Business Administration by Savitribai Phule University. The learning methodology includes lectures, Assignments, Industrial Visits and Project Work etc. Course imparts knowledge, develops specialization skills and fosters attitude essential for the growth of the students to become responsible and successful business managers in today's competitive business world.

B.C.A. - B.C.A. is a full time 3 years program leading to the award of Bachelors degree in Computer Application by the Savitribai Phule Pune University. The students will learn about various development tools involved in creating application software, to inculcate various methodologies in automation. This course aims at giving maximum exposure to various areas of Computer Application including latest developments keeping in pace with the industry. The curriculum also includes projects and practicals along with the classroom session.

B.B.M. (IB) - B.B.M. (IB) is a full time 3 years Program leading to the award of Bachelors degree in Business Management (International Business) by the Savitribai Phule Pune University. The B.B.M. (IB) program is designed to impart business management knowledge to students to get better knowledge of the organizations domestically and globally. The program focuses on all the aspects of International Business practices, laws, and technological advancement. In addition, this program also helps the students to design a prospective career map in the field of Business Management.

B.Com. - B.Com. is a full time 3 years Program leading to the award of Bachelors Degree in Commerce by Savitribai Phule Pune University. It is Full time yearly pattern Course under Commerce Faculty. The learning methodology includes lectures, Assignments, and Project Work etc. .

M.Com. - B.Com is Full time 2 years Program leading to the award of Masters Degree in Commerce by Savitribai Phule Pune University. It is full time Semester Pattern Course with Credit System form the Academic Year 2013-14. The learning methodology includes lectures, Assignments, and Project Work etc.



**Number of Divisions and Intake Capacity:**

Course	No. of Divisions	Intake Capacity
B.B.A.	3	240 students
B.C.A.	3	240 students
B.B.M. (IB)	1	80 Students
B.Com.	3	360 Students
M.Com.	1	120 Students

Principal : Prin. Dr. R.S. Zunjarrao

Vice Principal: Prof. Milind Waghmare

Total Number of Teaching Staff.

Approved by Savitribai Phule Pune University: 10 (list attached)

On Ad-hoc Basis: - 16 (List attached)

Total Number of Non-Teaching Staff. - 23 (list Attached)

College is managed by *Progressive Education Society*. Local Managing Committee is formed by Business Council Members of *Progressive Education Society* as under:

Sr. No.	Name	Designation
1	Prof. Dr. G. R. Ekbote	Chairman (Advisor LMC)
2	Prof. Mrs. J. G. Ekbote	Chairperson (LMC)
3	Prof. S. S. Deshmukh	Visitor
4	Prin. R. S. Zunjarrao	Secretary
5	Prof. A. G. Gosavi	Member
6	Prof. Nivedita Ekbote	Member
7	Prof. M. D. Waghmare	Member



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## Department of Zoology

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Department of Zoology was established along with college in 1970 as a part of Biology Department. The T.Y. B.Sc. classes were started from 1979 and M.Sc. Zoology (Entomology Specialization) commenced from 1994. Department of Zoology has one of the oldest Post-Graduate Research Centre under Savitribai Phule Pune University and the first research centre of our college, since 1979.

The strength for T.Y.B.Sc. Zoology has on an average been 24 students. However, the batch with minimum students was 10 and the largest batch was of 48 students. The intake capacity for M.Sc. Zoology is 24 students per batch.

Dr. S.Y. Paranjape headed the department from its inception up to 1988 and 1993-94. He was also appointed as the Principal of our college from 1<sup>st</sup> May 1993-30<sup>th</sup> April 1994. Dr. H.V.Ghate was the Head from 1988 to 1993 and May 1994 to March 2013.

Dr. A. M. Bhalerao worked as Head of the Department during April 2013- July 2014. Thereafter Mr. Narendra M. Naidu has taken charge as Head of the department.

More than 50% of teaching staff at undergraduate level is with Ph.D. degree and 25% with M.Phil. All the staff members therefore possess good deal of research experience. Our undergraduate wing has a proper balance of experienced and young staff members. Among the PG staff members two are with Ph.D.degree and one is SET qualified and pursuing Ph.D. degree.

Dr. S.Y. Paranjape, the former Head, took initiative in establishment of the Post Graduate Research Centre in Zoology at our college. He was Principal Investigator of several research projects. He guided few students for M.Phil. and Ph.D. He worked in University of Pune and for some period at the University of Goa as UGC Scientist 'C'. Later he was appointed as the Principal (1<sup>st</sup> May 1993-30<sup>th</sup> April 1994) of our college. Even after his retirement, he is actively involved in administrative and research activities of the college. Currently, he is the Director of the Centre for Promotion of Research, of our college.

A versatile person, late Dr. Arun B. Dandekar served in this college from 1979 to 1999. He was disciplined, extremely meticulous in his work and had a very good hand at writing and drawing diagrams. He was actively involved in the Home Guard activity. He pursued hobbies like watch repairing, tennis and calligraphy. He was known as a teacher who motivated the students and took interest in guiding them regarding their academic career. He passed away in November 2011.

Dr. Mrs. Sushama. J. Thatte worked in this college for three decades until 2011. She was an effective teacher, with excellent communication skills and command over the language and subject. She was adept at animal dissections and other practicals. She was amicable and accessible to the students. Almost every year, she accompanied the T.Y.B.Sc. students as a lady teacher escort during the educational tours. She is still associated as a Visiting faculty of our department.

Dr. Hemant V. Ghate had the privilege of being the head of our department for the longest tenure. On account of his credentials in teaching and research he got an extension of two years from the Government of Maharashtra. Later due to his passion and zeal for research, upon his request, the Management of Progressive Education Society has permitted him to continue his research at the PGRC Zoology. In addition to his personal pursuits in research, he also is the Ph.D. Research Guide at our centre. He guides students from this PGRC and many researchers from outside who seek his help. He has more than 150 research papers to his credit.

He is also invited to deliver lectures and conduct practical sessions for the UG and PG students of our department.



Dr. Ghate was awarded 'Best Teacher Award' by the Progressive Education society on Kanitkar day in 2009 and 'Best Teacher Award' by the University of Pune. He was also conferred the 'Adarsha Shikshak Puraskar' by the Government of Maharashtra in the year 2010. Recently, in the year 2014, he was awarded the 'Sarpamitra Puraskar' by the Herpetological Society of India.



Dr. Arun M. Bhalerao served the college for more than three decades until July 2014. He was granted an extension of two years from the Government of Maharashtra until July 2014. Being an entomologist, he also taught the M.Sc. Zoology students in addition to the UG students. He completed his Ph.D. from PGRC of our college under Dr.S.Y.Paranjape. He was the first student to complete his Ph.D. from PGRC, Zoology of our college. He was very good at blackboard presentation and known for his skill at animal dissections. He was approachable to staff and students. At the college level, he headed the Time-table Committee as Chairman, for the longest tenure. He standardized the entire process for his successors. He visits the department often for academic and administrative work.

Staff members who were there during the formative stages of the department but left the college prior to retirement include late Dr. Sharad Katdare, Dr. Ramesh R. Bhonde, Dr. Surendra Ghaskadbi, and Dr. S. Dudhale.

Our ex-students Dr. Anand D. Padhye and Ms.Gauri Guttikar-Haval also served this department for a few years. Dr.Anand Padhye worked under Dr.Ghate for his M.Phil. and Ph.D.degree.

Few post-graduate teachers who contributed for a short duration include Dr. Mrs. Ashoka Bhongale, Dr. Suneeti Pathak, Dr. Simantini Eddy, Mr. Nilesh Rane and Dr. Manisha Sahasrabudhe -Modak.

Few teachers who contributed to the undergraduate teaching include Mrs. Amruta Satbhai, Ms. Usha Kelloth, Mr. Nilesh Rane, Mr. Shubro Sen, Mr. Sachin Ranade, Dr. Prashant Duraphe, Dr. Manisha Sahastrabudhe – Modak, Ms. Gauri Sathye, Ms. Swati Khole, Ms. Manasi Bapat, Mr. Shriraj Jakhalekar, Mr. Rahul Gaikwad, Dr. Ananda A. Babrekar, Ms. Pallavi Shewale and Ms. Priyakumari Chanda. Most of these have been past students of our department.

Among the non-teaching staff maximum service was rendered by the first laboratory assistant Mr. Janardan Kadav. He was an all-rounder and was always eager to acquire new professional skills. Mr. Vitthal Kamble too served the department for many years as laboratory attendant and also as a field collector especially related to the research schemes. He was a keen observer during field work.

The other non-teaching staff that had been in the department for a considerable tenure includes late Mr.Ramchandra Gawade, late Mr. Ashok Sanas, Late Prakash Salvi, Mr.Suresh Mokashi, Mr. Rajendra Uttekar, Mr. Maruti Kadam, Mr. Sudam Sanas and Mr. Rajendra Barge.

Mr. Ramesh Dhotre, Mr. Abhijit Naik and Mr. Girish Shelar worked as laboratory assistants under the PG wing for quite some time.



**Present Teaching Staff****Under- graduate wing:**

Sr. No.	Name of Staff	Designation	Qualification	Specialization	Experience in years
1	Mr. Narendra Madhukar Naidu	Associate Professor	M.Sc. M. Phil.	Developmental Biology	30
2	Mr. Bharat Thalu Kalbage	Assistant Professor	M.Sc.	Cell Biology	19
3	Dr. Yugandhar Satish Shinde	Assistant Professor	M.Sc. Ph.D.	Developmental Biology & Entomology	3
4	Dr. Pappu Sawleram Kudnar	Assistant Professor	M.Sc. Ph.D.	Entomology	3

**Post- graduate wing:**

Sr. No.	Name of Staff	Designation	Qualification	Specialization	Experience in years
1	Dr.Shubhangi S.Puranik	Assistant Professor	M.Sc., Ph.D.	Cytogenetics(Cell Biology)	17
2	Ms.Netra D.Kulkarni	Assistant Professor	M.Sc.,SET	Cytogenetics	5
3	Dr.Priyanka Datta Saha	Assistant Professor	M.Sc., Ph.D.	Entomology	1

**Present Non-Teaching Staff:**

Sr. No.	Name of Staff	Designation	Experience in years
1	Mr. Umesh Dattatray Gore	Laboratory Assistant	8
2	Mr. Gopal Balu Daundkar	Laboratory Attendant	26
3	Mr. Lakshman Pandurang Adagale	Laboratory Attendant	20
4	Mr. Atul Narayan Kanhere	Laboratory Attendant	3
5	Mr. Jare Yogesh Raghu	Peon	2
6	Mr.Hrishikesh Kondhalkar	Peon	2

**Alumni:**

The past students of our department have infiltrated almost every field related to Life Sciences and few have chosen other fields as a career or profession. Most of them have secured high positions in their respective field and have brought honour to the department and the college.

Department often organizes small get-together events of Alumni restricted to few batches and occasionally larger Alumni Meet across the batches. Our past students have been involved in several activities of the department. Lecture-cum-interaction for present students is one of the regular activities. Few of our alumni are instrumental in organizing educational visits for our students.





A few Illustrious Alumni:

Sr. No.	Name	Field
1.	Pramod Jogalekar	Head, Department of Archaeology, Deccan College, Pune
2.	Satish Kamble	Scientist, Zoological Survey of India, Akurdi
3.	Sudhir Borate	Scientist, Serum Research Institute, Pune
4.	Savita P. Datar	Head & Associate Professor Teaching and Research, S.P. College
5.	Anand D. Padhye	Associate Professor, Teaching and Research, Garware College
6.	Gauri Guttikar-Haval	Associate Professor, Teaching and Research, Garware College
7.	Girish Dhekane	Deputy Director, Applied Industry-Ross Life Sciences
8.	Ajit More	Homoeopathy Practitioner, Entrepreneur-Prawn Culture
9.	Shirish Patil	Teacher-Kalmadi English School
10.	Vandana Kulkarni	Teacher-Abhinav School
11.	Parveen Shaikh	Associate Professor -BAMU (Medical College), Aurangabad
12.	Shilpa Purandare	Assistant Professor -Bharati Medical College
13.	Sonali Hardikar	Parmedical and Administration -Health Science
14.	Mugdha Lele	Post-Doctoral Research -Health Sciences
15.	Savita Patwardhan	Physiotherapist
16.	Mandar V. Kulkarni	Director, Bioserve India, Hyderabad
17.	Meghana Kanitkar	Post- Doctoral Research, NCCS, Pune
18.	Ananda A. Babrekar	Researcher, Paramedical- Genetics-Sahyadri
19.	Rahul Marathe	Director, Applied Industry-MitraKida
20.	Archana Shadbidre	Assistant Professor, Zoology, Savitribai Phule Pune University
21.	Samiksha Bhagat	Ph.D. student -Abroad-USA
22.	Bhuvanesh Awasthi	Neuroscientist, Scotland, UK.
23.	Shriraj S Jakhalekar	Ph.D. student-NET- NIO Goa
24.	Shashank Nambiar	Ph.D. student -Abroad -USA
25.	Rohit Nagalgaon	Assistant Professor, Teaching, Talegaon and Board member FONA
26.	Usha Bhosale	Teacher-Modern English School
27.	Omkar Sampgaonkar	Pharmaceutical Industry
28.	Vikrant Joshi	Pharmaceutical Industry
29.	Ushma Shukla	Naturalist -NGO
30.	Swapnil Jagtap	Hospital Management -Sahyadri Hospital



31.	Pallavi Shewale	Teaching-Modern College, Pune-5
32.	Priyakumari Chanda	Teaching-Modern College, Pune-5
33.	Pallavi Dorge	Teaching- Hutatma Rajgurunagar College
34.	Anuja Yadav	Teaching- Hutatma Rajgurunagar College

**Salient Features of the Department:**

- Highly qualified and experienced teaching staff.
- Efficient and cordial non- teaching staff.
- Excellent results every year (between 90 to 100%).
- Many ex-students with outstanding career.
- Reputed department amongst the colleges of Pune University.
- Active Post- Graduate research wing- Teaching and Research.
- Several academic, co-curricular and extra-curricular activities for the overall development of students.

**Facilities available in the Department:****Infrastructure:**

Two well equipped spacious laboratories for under- graduate students and one separate laboratory for research.

**Instruments & Equipments:**

- Microtomes (Rocking Cambridge type 1 and Rotary Erma type 2) and knives.
- Incubators.
- Cooling Incubator (Remi).
- Cooling Centrifuge (Remi).
- Electronic Balance (Contech) and Electrical Single pan balance (Modern).
- Refrigerator Godrej.
- Computers Pentium 4 and Scanner and Lexmark 3000 color Jetprinter.
- Spectrophotometer.
- Colorimeter Erma.
- Digital pH meter (Control) and Ordinary Glass Electrode pH meter (Elico).
- Hot plate.
- Temp controlled Water Bath.
- Pressure Cooker and Grinder.
- Bee-Keeping Equipment (Honey Extractor, ISI Box, minor tools and net).
- Pipette washer (steel).
- Pest Control Equipment (duster, sprayers).
- Field Binocular.
- Gel and Paper Electrophoresis apparatus with Power Supply (2).
- Students microscopes.
- Students dissection stereomicroscopes.
- Students dissecting microscopes and lenses.
- Student demonstration microscope with demonstration eye-piece.
- Sphygmomanometers.
- Laminar flow.



- 25) Water distillation plant.
- 26) Ovens (thermostat controlled).
- 27) Micro centrifuge.
- 28) Gel rocker.

#### **Research Equipment**

Sophisticated instruments: Cooling centrifuge, Cooling incubator, Digital camera, and Electronic balance, Leica stereo zoom microscope with Canon5 megapixel Digital camera

- Lexmark 3000 color jet printed.
- Scanner for a4 size photos (Primax).
- Excellent preservation equipment and storage facilities for Insects.
- Rearing facilities (cages) for insects.
- Kyowa Japan Stereoscopic Research Microscope.
- VCR, Color TV.
- Phase contrast Microscope.
- Zenith Binocular.
- Pest Control Equipment (duster, sprayer, etc).
- UV-Visible range Spectrophotometer (Systronics 108).

**Internet:** Hathway broadband connection (30mbps) available for staff and final year students.

**Departmental Library:** Rich collection of reference books useful for under- graduate students. Books have been donated by staff and by alumni of our department.

#### **Post Graduate Research Center (PGRC)**

Since its establishment in 1979, the PGRC Zoology is actively engaged in research activity. Toxicology, teratology to insect taxonomy many subjects are being researched in this department. In the past, some people were working on taxonomy of Tetrigidae while now the interest is in Cassidinae beetles, praying mantids or Mantodea and stem borers or Cerambycidae beetles, butterfly molecular phylogeny and taxonomy of freshwater invertebrates with special emphasis on micro-crustacea. Over the years, the department has collected about 100 different freshwater fish, 25 frogs, 65 tortoise beetle species, 45 mantid species and a few other animals.

#### **Activities conducted till now**

##### **Research projects and faculty Involved:**

So far the following **National Bodies** have funded the research projects in this department (numbers in parentheses indicate number of projects):

- a) Indian Council for Agricultural Research (1).
- b) Zoological Survey of India (1).
- c) Department of Biotechnology (1).
- d) Marine Products Export Authority (MPEDA) (1).
- e) University Grants Commission (10 Minor Research Projects).
- f) Department of Biotechnology (3).
- g) SPPU funds (4).



**Private Funds:**

**Local:** India Foundation, Pune also gave funds for Fish Biodiversity Research

The ICAR project (S.Y. Paranjape, Principal Investigator, now retired) dealt with survey, taxonomy and ethology of Tetrigidae insects which are grouped under Order Orthoptera. It was the First Major Project of the department. Later, another major project was funded by MPEDA for surveying frog populations in Maharashtra State (S.Y. Paranjape, Principal Investigator and H.V. Ghatge Co-Investigator). A survey of frogs was carried out in all the nearby villages of Maharashtra and economical conditions of the tribal people involved in collection of frogs for education and for frog-legs trade were investigated. A paper was also presented at the First World Conference on Trade in Frogs and Frog-legs held at Calcutta. The current Major Project was for Survey and Biomonitoring of certain animals and plants in nearby forested areas. The project work was completed in 2002. many students were involved in this work, especially postgraduate students of zoology. A lot of interesting information has been gathered on various animals and some papers have already been published on frogs and mantids.

**Focus of Research**

The major emphasis of the department had been in experimental developmental biology, toxicology and Systematics (taxonomy being one part of this broad field). Earlier work involved testing pollutants in aquatic animals and developing embryos to find toxicological and teratological effects. Several papers were published from this department that dealt with this water pollution toxicology aspect. At the same time others were doing entomological work. Some major papers were published in International Journals on this work.

Aspects of normal development in case of frogs were also investigated and one M.Phil. (and later Ph.D.) dissertation (of A.D. Padhye) and several papers (published in International Journals) were the outcome of this work. In the field of taxonomy, several different groups have been handled in this department and excellent collection of different animals is now available in this department. Work on amphibians, fishes and an aquatic invertebrate has been carried out in the past.

At present insect systematics, with special emphasis on Mantodea (praying mantids), Cassidinae (tortoise beetles), butterflies, bugs and Cerambycids is being pursued. An excellent collection of different animals is with us. **New species of insects and frogs have been described from this department and this is a significant contribution to science.**

**Collaboration**

A collaborative project that deals with Biodiversity Mapping and Monitoring in and around forested areas of Pune is presently being pursued. This is a **Department of Biotechnology**, Government of India Funded project, which is being run in collaboration with **Indian Institute of Science, Bangalore**. Currently a Major Project is being run by H.V. Ghatge in collaboration with NCCS, Pune

There is an ongoing **International Collaboration between Dr. Ghatge and Prof. Lech Borowiec, Wroclaw University, Poland, for more than 5 years**. This deals with work on tortoise beetles and they have already published several papers jointly. Similar collaboration is being established with **Smithsonian Tropical Research Institute, Panama (we have had preliminary correspondence through e-mail)** and **Natural History Museum, London, U.K.**, as we have held preliminary discussions here in our department during the visit of NHM scientists. A paper in collaboration with **Roger Roy of National Museum of Natural History, Paris, France**, has been published by H.V. Ghatge and similar papers are expected in future. **H.V. Ghatge also published a paper on new species of a frog *Theloderma* in collaboration with**



a Russian worker Nikolai Orlov and Orissa based Dr. SK Dutta (a renowned herpetologist of India) Forthcoming collaboration is planned with "International Consortium on study of bacterial pathogens: Wolbachia" This will be through Dr. John Werren, **University of New York at Rochester, who personally visited this department in March 2007.**

Molecular phylogeny work is being undertaken in collaboration with Dr. Yogesh Shauche of **National Centre for Cell Science (NCCS), Pune.** This work involves analysis of mitochondrial genome, especially 12 S rDNA and other genes, to establish phylogeny of insects and their pathogens, amphibians and fishes. Some of this work has already been published in reputed journals.

Collaboration with scientists from Western Regional Station of **Zoological Survey of India (Ministry for Environment, Government of India), Pune,** has also been going on for some years. Several papers have been published by H.V.Ghate in collaboration with ZSI. Some papers have also been published in collaboration with Dr. TK Mukherjee of Presidency College, Kolkata.

Collaboration with **Project Tiger Team, Srisaillam Tiger Sanctuary, Andhra Pradesh, Government of India,** by H.V. Ghate has resulted in several publications: including description one new species. It is a Government of India project.

#### Achievements

H.V. Ghate has constantly published papers in reputed scientific journals for the past 37 years. MORE THAN 150 papers have been published from department by different staff members during the past 37 years. The department now is well recognized all over for the work on Cassidinae beetles and Mantodea done by H.V. Ghate. Several people from different institutes are collaborating for further work in this group. **Many new species of insects and a few species of frogs have been described by H.V. Ghate from this work and it is a major achievement. It is a significant contribution to the scientific knowledge. Establishment of collaboration with several institutes and governmental organizations as well as individual scientists is another notable achievement.**

National Funding agencies like UGC, DBT, ICAR, ZSI, and MPEDA all have funded the various research projects and this in itself is an achievement.

#### Associated Research Guides List and other details

The Research Guides associated with PGRC, Zoology are: Dr. Mrs. S. S. Puranik, Dr. H. V. Ghate, Dr. Sanjay S. Kharat, Dr. S. B. Patil, Dr. Anand D. Padhye, Dr. Savita P.Datar, Dr. Shakira Inamdar, Dr. Ravindra Kshirsagar and Dr. Manisha Modak.

Name of Student	Name of Guide/ Co-guide	Research Topic	Status/ Year of Award
Narendra M. Naidu	Dr. H. V. Ghate	Taxonomy and Biodiversity of Cerambycid beetles (Insecta: Coleoptera) of Maharashtra (India)	Ongoing
Shruti Paripatyadar	Dr. H. V. Ghate	Diversity, distribution and natural history of aquatic bugs of Western Ghats of Maharashtra.	Ongoing
Sayali Sheth	Dr. H. V. Ghate	Diversity, distribution and ecology of aquatic Coleoptera in and around Pune	Ongoing
Nirbhay Pimpale	Dr. S. S. Kharat	Study of reproductive biology of genus:	Ongoing



		<i>Osterobrama vigorsil</i> and <i>Rohtee ogilbii</i> from Nira river.	
Rupesh Raut	Dr. S. S. Kharat	Oesteological and morphological relationship among family cyprinidae fishes.	Ongoing
Bharati Patil	Dr. S. B. Patil	Hydrobiological Studies of Tungarli and Valwan Dam of Lonavala with special reference to aquatic insects.	Ongoing
Mr. Vishnu Krishna Deshmukh	Dr. S. S. Kharat	Management of Insect pests, Potato cutworms ( <i>Agrotis ipsilon</i> , <i>Peridroma saucia</i> ) and pulse beetles <i>Bruchus chinensis</i> , Linn) using biosynthesised nanoparticles.	Ongoing
Mrs. Sanjivani Sanjay Patil	Dr. S. B. Patil	A hydrobiological study of Bhama Askhed dam wrt inset, fish and amphibian diversity.	Ongoing
Mr. Sachin Madhavgir Gosavi	Dr. S. S. Kharat	Reproductive biology and digestive physiology of <i>Pachypterus khavalchor</i> (Kulkarni, 1952) an endemic freshwater fish of peninsular India and Its implications for conservation.	Ongoing
Ms. Rutika Ramesh Jagtap	Dr. S. S. Puranik	<i>In-vitro</i> studies on anti-cancer potential of <i>Emberia ribes</i> derived nanoparticles.	Ongoing
Ms. Ashwini Mitharam Patil	Dr. M. A. Modak	Correlative analysis of oxidative DNA damage repair and cell proliferation mechanisms in pancreatic beta cells.	Ongoing
Mr. Bhaiyalal Ramprakash	Dr. R. V. Kshirsagar	Studies on evaluation of bivoltine hybrid of <i>Bombyx mori</i> L. for cocoon productivity in non traditional of Pune division, Maharashtra State.	Ongoing
Ms. Netra Deepak Kulkarni	Dr. M. A. Modak	Interrelationship between endoplasmic reticulum stress, oxidative stress and the fate of pancreatic beta cell lines-RIN-6F	Ongoing
Ms. Rujuta Rajan Deshpande	Dr. M. A. Modak	Screening anticancer properties of novel Isoxazolone derivatives.	Ongoing

**Ph.D. Completed in last five years:**

Name of Student	Name of Guide/ Co-guide	Research Topic	Status/ Year of Award
Dr. Satish Pande	Dr. H. V. Ghatge	Ecology of Owl	2011
Swapnil Gaikwad	Dr. H. V. Ghatge	DNA barcoding of butterflies of Western Ghats.	2012
Sameer Padhye	Dr. H. V. Ghatge	Ecology and biodiversity of branchiopods with special reference to cladocerans from Pune region	2013

**Departmental Research Plan for Future**



The departmental aim is to develop one such museum where people from different areas can come and study animals. Already the department has even Type specimens of some newly described species of insects- something that is unique for any college affiliated with the University of Pune.

Another aim of research in this department is to develop identification software for some groups of animals. This software will use preparation of Compact Discs (CDs) containing text and photographs. The departmental facilities will have to be augmented to achieve this work and the aim will be to acquire funding from Department of Science and Technology to develop and enrich this museum and continue taxonomical activity.

#### Research Projects

Sr. No.	Title	Investigator/s	Funding Agency	Year
1	Toxicity of Dithiocarbamate Fungicides and related compounds to Aquatic Animals	H.V. Ghate	UGC New Delhi	1983
2	Survey Taxonomy and Etho-ecology of Grouse Locust	S.Y. Paranjape	UGC New Delhi	1986
3	Survey, Taxonomy and Biology of Agriculturally important Orthopteroids	S.Y. Paranjape	ICAR, New Delhi	1987
4	Survey, Taxonomy and Biological Studies on Economically Important Amphibians	S.Y. Paranjape H.V.Ghate	MPEDA, Cochin	1988
5	Plant Animal Association in relation to Grouse Locust	S.Y. Paranjape	DOE New Delhi /ZSI Kolkata	1989
6	Teratogenic effects of Dithiocarbamates and related compounds in Chick Embryo.	H.V.Ghate	UGC New Delhi	1989
7	To Assess the Pest Status of Agriculturally Important species of Grouse Locusts	A.M. Bhalerao	UGC, New Delhi	1994
8	Study of Pheromone secretion from Tergal Gland Complex and its effect on Reproductive Behavior of <i>Supella</i>	S.J. Thatte	UGC, New Delhi	1996
9	Survey Taxonomy and Biology of Tortoise Beetles in and around Pune	H.V.Ghate	UGC New Delhi	1999
10	Role of Growth Hormone in Early Morphogenesis in Chick Embryo	N.M. Naidu	UGC, New Delhi	1999
11	Study of Urban Ecology of Butterflies around Pune	S.J. Thatte H.V.Ghate	BCUD, Univ of Pune	2000
12	Comparative study of selected tortoise beetles with special emphasis on detailed morphology of larvae/pupae.	H.V.Ghate	UGC New Delhi	2001
13	Biodiversity of Plant Bugs of Pune Region	A.M. Bhalerao	UGC, New Delhi	2003
	Investigation of the Micro flora of Insects of Western Ghats for Bioactive Molecules (in collaboration with NCCS, Pune)	Y.S. Shouche (NCCS) PI H.V. Ghate (Co-Invest)	DBT, New Delhi	2004

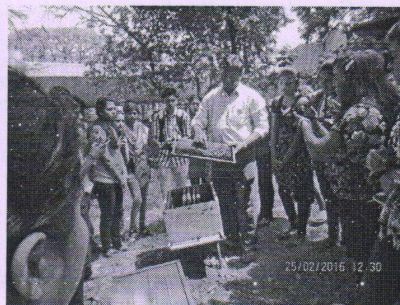
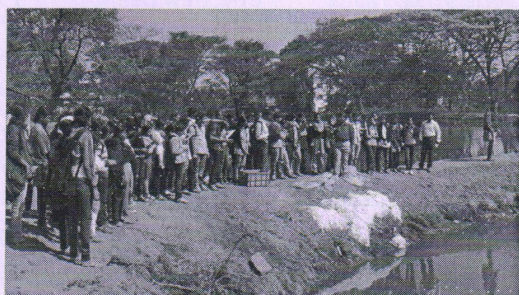


14	Biodiversity of Cerambycidae beetles of Pune	H.V. Ghat A.M. Bhalerao	BCUD, University of Pune	2006
15	Biodiversity of Earthworms in Pune District (Maharashtra), Assessing the Potential for Culturing these species and a Comparative Study of their Efficacy in Waste Management	N.M. Naidu	BCUD, University of Pune	2006
16	DNA Barcoding Butterflies of Western Ghats (in collaboration with NCCS, Pune)	Y.S. Shouche (NCCS) PI H.V. Ghat (Co-Invest)	DBT, New Delhi	2010
17	Taxonomical Studies on Scarabaeinae Dung Beetles in and around Pune	B.T. Kalbage S. J. Thatte	BCUD, University of Pune	2010
18	Biodiversity of Mantids: Taxonomical studies on Praying mantids (Insecta: Mantoidea) of Maharashtra.	G. R. Sathye H.V. Ghat (Supervisor )	DST-WOS-B Project	2011
19	Taxonomy and diversity of Ostracoda from Phytotelma from Western Maharashtra	Y. S. Shinde	BCUD,SPPU	2014
20	To study anti carcinogenic activity of silver nanoparticles synthesized from medicinal plant sources.	S. S. Puranik	BCUD,SPPU	2016

**Highlights of departmental activities of the last Six years (2010-11 to 2015-16):**

**Educational Visits/ Study Tours:**

One day visits for **S.Y.B.Sc.students** to Government Fish Farm, Hadapsar and BAIF, Uruli Kanchan/ College of Agriculture, Pune and Central Bee Research and Training Institute.

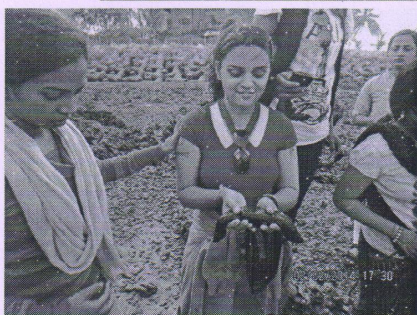


Educational visit for **T.Y.B.Sc. students** - Dept. of Zoology and Dept. of Anthropology, SPPU, 23<sup>rd</sup> September 2014, National AIDS Research Institute (NARI), Pune, 1<sup>st</sup> December 2014, Ross Life Science Pvt. Ltd. in Bhosari and Uttara School of Environment, Waksai, September 2015.

Study tour for **T.Y.B.Sc. students organized** to coastal Konkan area to study marine life at various locations such as Ratnagiri, Shrivardhan, Devgad, Malvan, Sindhudurg, Vengurla, Deobag, Amboli. Harihareshwar and visits to Dr. Babasaheb Ambedkar Marathwada University's Centre for Coastal and

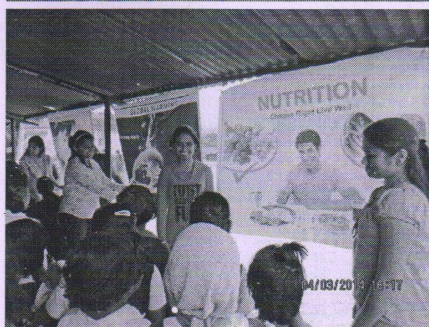
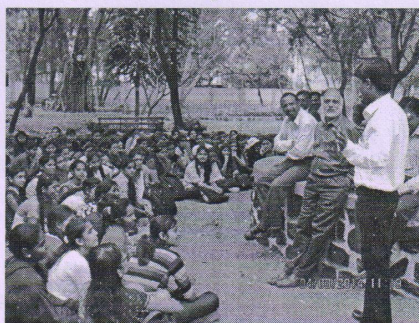


Marine Biology Institute, Ratnagiri, the local college of fisheries, Government Museum, Konkan Krishi Vidyapeeth, Dapoli.



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.

In February 2014, a tour for the **F.Y.B.Sc. 'B'** was arranged to Bahinabai Chaudhari Snake Park, ZSI Akurdi, Shirgaon and areas nearby the backwaters of Pawana Dam with the intention of studying biodiversity of water bodies. Our students conducted a health and Hygiene Awareness programme in a school near Pawananagar in a small village named Yelse as a part of this trip.



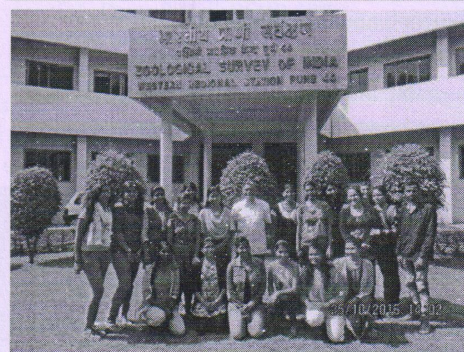
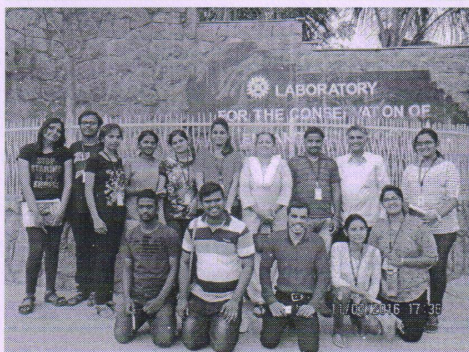


Our department and Centre for Innovations in Teaching, Learning and Evaluation escorted students from F.Y.B.Sc. for the Youth Convention held at IISER, Pune on 29<sup>th</sup> February 2016, on account of Science day.

Educational tour was arranged for the **PG (M.Sc.Zoology -II)** students to Hyderabad in March 2016. The students visited Bioserve Biotechnologies (India) Pvt. Ltd. which focuses on Cancer Genetics, Centre for Cellular and Molecular Biology (CCMB), Centre for DNA Fingerprinting and Diagnostics (CDFD), Nehru Safari and Laboratory for Conservation of Endangered Species (LaCONES).

Dr.Mandar Kulkarni (BioServe), an ex-student of our department took initiative and whole-heartedly helped us in organizing this educational tour and also to make it academically fruitful.

M.Sc.Zoology-I students visited ZSI, Akurdi in November 2016.



**Active participation of all departmental Staff in the College Committeesof:**

International Symposium on 'Biodiversity' that was organized by the college-Jan 2011

International Symposium on 'Business Opportunities in Life Sciences'- Jan 2012

International Conference on 'Employability Enhancement'- Jan 2013

International Conference on 'Environmental Conservation by adopting new Technologies' (ICECANT 2014)  
- Jan 2014

State level Seminar on- 'Freshwater Ecosystems of Maharashtra: Their Biota, Ecology and Health', -  
Organised by Department of Zoology - 6<sup>th</sup> and 7<sup>th</sup> February 2015

International Conference on 'Innovations in Teaching, Learning and Evaluation in Higher Education'-  
Jan 2016

**Remedial Coaching Classes** conducted for the students of F.Y.B.Sc. 'B', every year.

**Hands-on Training programmers-** for Staff, whenever possible.



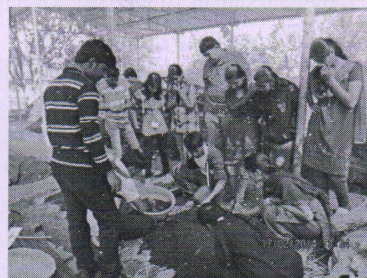
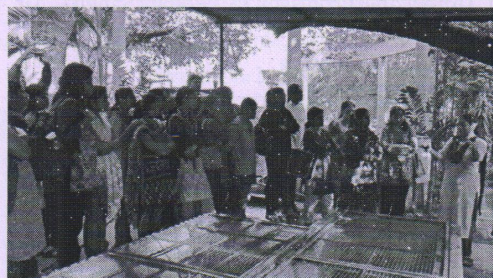
**Attending State /National /International - Seminars/ Conferences** - for teaching and non-teaching Staff, whenever possible.

**Add-on- Course/Skill Development Workshop**

**1. Integrated Vermitechnology Training Course**

Our Department in collaboration with Institute of Natural Organic Agriculture (INORA) Pune launched an add-on course/ Skill Development Certificate Course in "Waste Management using Integrated Vermitechnology" **since January 2010.**

Praj Industries provided financial assistance to students who intend to join the course through 'Praj Foundation' (PF) the Corporate Social responsibly (CSR) arm of Praj Industries Limited.



All staff members of our department are actively involved in conducting lectures and practicals of this course. Ms. Manjushree Tadvalkar, CEO, INORA (Institute of Natural organic Agriculture), her associate Ms. Nutan Bhajekar and other colleagues of INORA conduct lectures and interactive sessions. Each batch was taken on a field trip to the INORA centre at Daravali and other sites or residential areas where waste management is practiced.

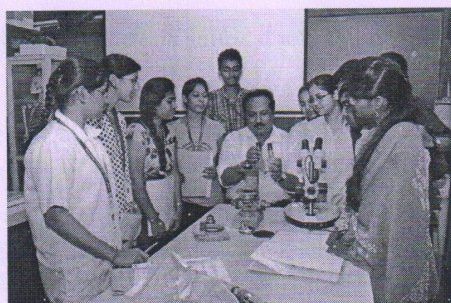
**On an average two batches of 20 students each are conducted per year.**

**2. Special Workshop on Microscopy**

A two-day workshop on Microscopy is being organized by our department in collaboration with the Department of Zoology, University of Pune, since February 2014, exclusively for the F.Y.B.Sc. students.

Dr.B.B.Nath, Professor and Head of the Department of Zoology, University of Pune conducts this workshop very effectively. Mr.Rahul Gaikwad and Ms.Pallavi Gaikwad also and Dr.Leena Thorat assisted him during these workshops.



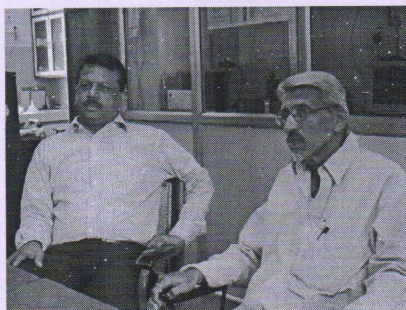


The sessions of the second day were conducted at the Department of Zoology, University of Pune. It was for the first time that such a type of Workshop was conducted for under-graduate students of any college by the University department and that too in their premises.

**Attempts are made to conduct workshops for two batches of 30 students each per year.**

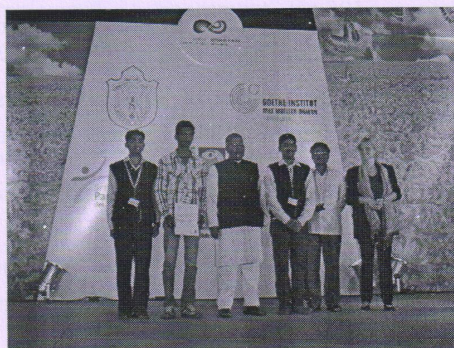
***Visit of distinguished Scientists/Academicians:***

Prof. C. A. Viraktamath (of GKV, Bangalore), Dennis Pamlin(Director for the Low Carbon Leaders Project under the UN Global Compact), belonging to an NGO from Sweden, Mr. Pamlin worked as Global Policy Advisor for WWF from 1999 to 2009, Dr. Christopher Thorpe – Dixon, from Plymouth University, Dr. Aparna Watve (Conservation Ecologist), Dr. Bulganin Mitra and Dr. Kailash Chandra (both from ZSI Kolkata), Dr. Gaikwad(Shivaji University, Kolhapur), Dr. Nikalje(Professor in Zoology,Sangli), Dr. Uttam Salve( Professor in Botany,Beed).



***Achievements of Students***

Aditya Zaware (T.Y.B.Sc. Zoology), Swapnil Surgude (T.Y.B.Sc. Microbiology) and Vedant Kadam presented their work on “ Urban Domestic Waste Management” at the Indo-German Youth Conference On “ Environmental issues and solutions” organized by Max Mueller Bhavan, under the Greening with Goethe programme , at Bangalore in December 2011.



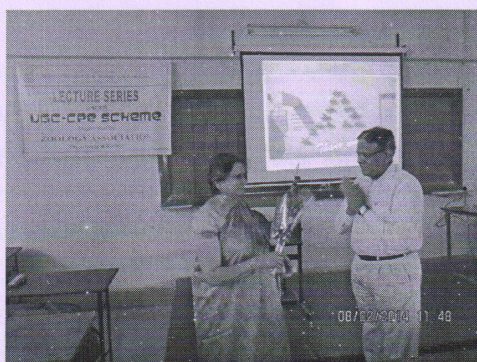


They were felicitated by Honorable Deputy Speaker of the Rajya Sabha Mr. Rahman for winning the "Best Poster Award".

#### Guest Lectures:

#### 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. Ghatge (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



#### 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

#### Lecture Series- 2015-16

The name of the speaker, the topic and the date are as follows:

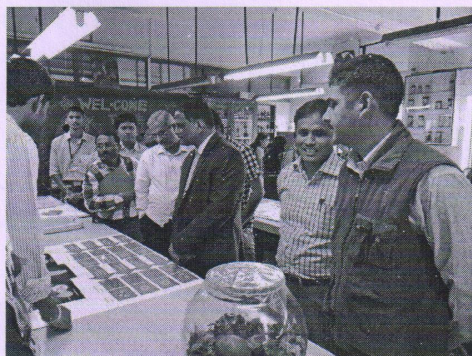
- Ms.Anjali Pawar on 'Child Abuse' on 24<sup>th</sup> July 2015
- Lokayat volunteers on 'Hiroshima and its aftermath' on 10<sup>th</sup> August 2015
- Dr. Leena Thorat on 'Career Opportunities in Life Sciences' and on 'English for Scientists' on 22<sup>nd</sup> August 2015
- Dr. Kalpana Pai on 'Leishmaniasis' on 15<sup>th</sup> September 2015
- Dr. Dharav Shah on 'Ill effects of Alcohol and Nicotine Addiction' on 12<sup>th</sup> October 2015
- Dr. Sagar Pandit on 'Biochemical & Genetic basis of Plant-Insect interaction'-Dec2015
- Dr. Anilkumar Khaire on 'Ex-situ Conservation of Animals' on 17<sup>th</sup> December 2015
- Dr. Abhijeet Safai on 'Clinical Endocrinology' on 18<sup>th</sup> December 2015
- Mr. Pankaj Seksaria on 'Andaman Island Story' on 23<sup>rd</sup> December 2015
- Dr. Sameet Mehta on 'Third Generation Sequencing' on 15<sup>th</sup> December 2015
- Lokayat volunteers on 'Traffic problems and other environmental issues in Pune city' under Vasundhara Film Festival January 2016

#### Guest speakers for PG students-

Dr. N.R.Somvanshi(Ahmednagar), Dr.Kishori Dhumal, (Nasik), Dr.B.B.Nath(SPPU, Pune), Dr.Leena Thorat(SPPU, Pune), Dr.Rajesh Sharma(Vidya Pratishthan,Baramati), Dr.Rashmi (NIV,Pune), Mr.Sahasrabuddhe(Bioinformatics, Pune) and Dr.S.J.Thatte (Retired Associate Professor,Modern College, Pune-5).

#### ZooVision – A unique exhibition

**ZooVision** – A unique exhibition is organized by our department every year. Posters, static models and working models are enthusiastically prepared by the students. Topics have a wide range covering Animal diversity, Anatomy, Physiology, Evolution, Fossils, Apiculture, Insect Pests, Sericulture, Vermiculture and several other areas of Life-Sciences.

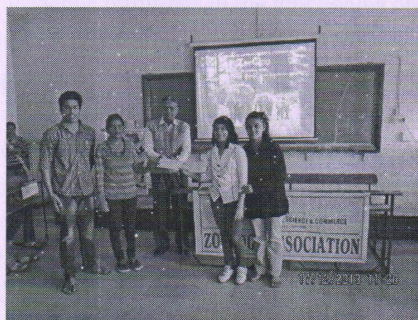




In addition to the college staff and students, school children from P.E.Society's Modern High School (English medium, Marathi medium and the Girls' School) pay a visit to this exhibition.

### Quiz Contests

Since December 2013, a quiz named **ZooQuiz**, based on undergraduate Zoology syllabus is conducted every year under DBT Star College Scheme. This includes individual written quiz followed by Teams Quiz on stage.



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

### State level Seminar on-

"Freshwater Ecosystems of Maharashtra: Their Biota, Ecology and Health"

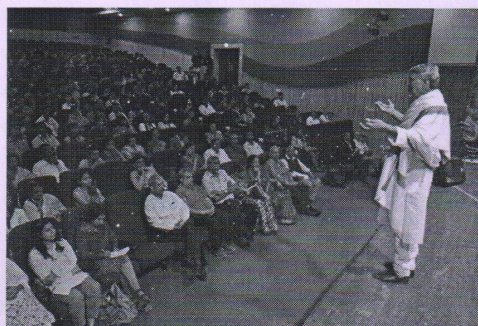
6<sup>th</sup> and 7<sup>th</sup> February 2015

Attendance: 160 participants

It was the first time that the Department of Zoology organized a State level Seminar.

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, Pune-5.

The theme of the Seminar being focussed on Freshwater ecosystems, it was befitting to have **Dr.Rajendra Singh – the Waterman of India**, as the Chief Guest. Dr.A.K.Pande, Member, Local Managing Committee (Modern College), presided over the function. Principal and Convener of the Seminar Dr.R.S.Zunjarrao and Organising Secretary and Head ,Department of Zoology, Mr.Narendra Naidu were also present on the dias.



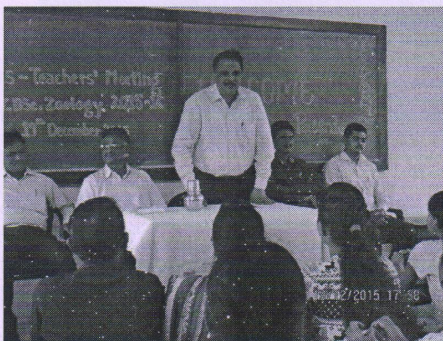


The other sessions were conducted by following eminent resource persons: Mr. Kiran Purandare, Dr. Neelesh Dahanukar, Mr. Nikhil Modak, Mr. Deepak Modak, Dr. Satish Pande, Mr. Anirudh Chaoji, Dr. Anand Padhye, Prof. Venkat Gunale, Dr. Pradnya P. Kanekar, Dr. Hemant V. Ghatge, Dr. Sameer M. Padhye, Ms. Shruti Paripatyadar, Ms. Sayali D. Sheth, Mr. Mihir Kulkarni, Dr. Erach Bharucha, Dr. Ganesh Margaj and Dr. Bimalendu B. Nath.

Dr.R.M.Sharma, Ex-officer-In-Charge of ZSI, Akurdi, Pune, was the Guest of Honour for the Valedictory function.

#### **Parents' Meet**

For the first time in the department of Zoology a Parents' Meet of the students of T.Y.B.Sc. Zoology, with the teaching and non-teaching staff. Principal Dr.R.S.Zunjarrao and the Head Mr.Narendra Naidu addressed the parents in presence of their children.



Later Dr.Yugandhar Shinde gave a presentation on 'Career opportunities in Zoology'. Prof. B. T. Kalbage and Dr. P. S. Kudnar shared information about the departmental activities with the help of a slide show. This was followed by an informal interaction. The parents gave a positive feedback about this activity.

**- Narendra M. Naidu, Head**



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## Department of Chemistry

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Dept. of Chemistry is one of the biggest departments of the *Progressive Education Society's* Modern College of Arts, Science & Commerce, Shivajinagar, Pune-5, and was established in the same year as the foundation of the college, 1970. At that time, theory classes and practical for Pre-Degree and Three Year Degree Course were conducted by the department. Dr. L.H. Gadgil, the first Head of the Department, did a pioneering work in setting good academic traditions in the functioning of the Department.

The Department had three big laboratories, with proper ventilation, good quality teak wood furniture, petrol based gas plant and adequate instruments, such as, potentiometers, conduct meters, colorimeters, G.M. counter and a spacious balance room housing about twenty chemical balances. Dr. Gadgil set a practice of rotating the theory courses among the teachers to enable them to broaden their knowledge base. The department has always supported academic growth of the staff. Thus, Prof. P.D. Kulkarni was allowed to join Teacher Fellowship Programme of UGC to do Ph.D. work at University Department of Chemistry, Pune (1982-85), Dr. (Mrs.) Sushama Joag was allowed to keep a lien on the service to go abroad to do post doctoral research at U.K. (Wales and Oxford) during the year 1983-84, Dr. (Mrs.) S. D. Joag was also sent to participate in workshops on molecular models (1982), and chemical bonding (1986).

After the retirement of Dr. L. H. Gadgil (Dec. 1986), Prof. K.M. Gokhale took the charge as the Head of the Department for a short period and later Prof. R.G. Limaye became the Head of the Chemistry Department (1987). Prof. Limaye continued as Head until he retired in 2008. Remarkable feature of his tenure was that many staff members of the Department contributed substantially in various co-curricular and extra-curricular activities of the College as Chairpersons of various committees, Science Association, and NCC & NSS officers. F.Y. B.Sc. students were given guidance to appear for Chemiad Examination of the University Department of Chemistry and Science Promotion Programme of Exploratory Science Centre and there was a chain of successful students. Many teachers including Prof. S. R. Adhav, Prof. M. J. Faras, Dr. P. D. Kulkarni, Dr. (Mrs.) S. D. Joag, Dr. K. S. Kale and Prof. Pokharkar participated in the UGC-sponsored refresher courses. Dr. (Mrs.) Joag also worked as resource person in many refresher courses. Prof. S. R. Pokharkar procured M.Phil Degree. Many teachers got opportunities to widen their subject knowledge by participating in workshops such as Micro scale technique, Open Education Resources and Characterization of Nanomaterials. Contribution by Dr. (Mrs.) Sushama Joag to the Chemistry teaching was recognized by the national organization "Chemical Research Society of India" by selecting her for the prestigious "Best Chemistry Teacher Award – 2002". Prof. S. R. Adhav, Dr. S. K. Ujalambkar and Prof. R. G. Limaye got 'Best Teacher Award' of the *Progressive Education Society*, Pune-5.

Many students of this period carved a niche for them in the field of Chemistry; Dr. M. G. Chaskar, Dr. Shankar Kunjir, Dr. Prasad Kulkarni and Dr. Yogesh Mahajan to name a few. Late Dr. L. H. Gadgil Instrument Laboratory was established in the Department through generous donation by his son and daughter. Two important contributions of Prof. Limaye were organization of one day workshop on Micro scale Techniques for teachers of Senior Wing of the Department with subsequent introduction of micro scale techniques in various chemistry practical of both the wings and initiation of the post graduate degree course in the department, with Analytical Chemistry as the specialization, in 2007. A research laboratory was also set in the Department.

In 2008, Prof. S.R. Pokharkar became the Head of the Chemistry Department. The P. G. wing strengthened during his tenure, 2008-2014. Additional laboratory for Physical Chemistry Practical was established in the basement. Permission for 2<sup>nd</sup> division of M.Sc. (Analytical Chemistry) was obtained in



2010. The department successfully organized the 'National Conference on Perspectives of Chemical Sciences' (NCOPOCS) in February 2012. A poster competition was organized in January 2012. A four day workshop on Analytical Techniques for P.G. students was organized jointly with Ross Life Science, Wakad, Pune, in March 2012. Two P.G. students, Apoorva Bhagat and Pratiksha Mulay, procured 1<sup>st</sup> and 7<sup>th</sup> rank respectively, at M.Sc. (Analytical Chemistry), May 2012. Dr. (Mrs.) S. D. Joag won 1<sup>st</sup> prize in the national competition organized jointly by ICT - Mubai and BASF - India in the wake of International Year of Chemistry (2011). Research laboratory of the Department flourished with continual research funding received from BCUD (SPPU), UGC (WRO) by Dr (Mrs.) S.D. Joag, Prof. S.S. Sakate, Prof. S.R. Pokharkar and Prof. R. M. Jagtap. Prof. Sakate obtained FIP grant of UGC to do Ph.D. research at NCL.

On retirement of Prof. S.R. Pokharkar, (September 2014), Dr. (Mrs.) Sushama Joag shouldered the responsibility of the Headship in October 2014. A new venture called 'Chem-Modern Competition' was started in the Department. Under this title, three competitions, viz. Chemistry-Quiz Chemistry Poster competition and Chemistry - Exhibit competition were organized in January 2015 for U.G. and P.G. students. Visits of P.G. students to 'Central Instrumentation Facility', Dept. of Chemistry, SPPU, and Jubilant Life Sciences, Nira, were organized (January and February 2015). Under the guidance of Prof. R.M.Jagtap, five students of T.Y. B.Sc. carried out research project under the Yuva Sanshodhak Scheme of the college. On Science Day (28<sup>th</sup> Feb. 2015) Chemistry Section was erected at the inauguration of Science Park (SPPU) by P.G. Students of the Department under the guidance of Dr. Sushama Joag.

In conclusion, the Department of Chemistry has grown and flourished well over the years from 1970 to 2015 and looks forward to attain further heights in future.



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## Department of Physics

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From the beginning, education in physics at Modern College of Arts, Science and Commerce, Shivajinagar, Pune-411005 was meant to be a union of the Theoretical and Practical. An ideal of the department was to impart education through knowledge of the fundamental principles of the several branches of Physics.

When the Physics department was established with other science department in 1970 its strength and focus were primarily in teaching and in applied Physics.

### History of the Department (Decade wise)

#### 1970-1980

- Department of Physics was established in June 1970.
- Prof. S. Y. Gambhir was founder of the department and was selected as a Life member of *Progressive Education Society* which is a parent body of the college.
- Prof. S. Y. Gambhir authored many text books in physics during his tenure of 23 years.
- Prof. M. R. Marathe, Prof. N. G. Shinde, Prof. V. V. Utturkar, Prof. S. N. Bhide, Prof. A. S. Kulkarni and Prof. S. A. Deauskar were associated with the Department from 1972.
- Principal courses were started from the Academic Year of 1972.
- They were vital days for S. Y. Gambhir to run the department with available resources and tools so as to provide hands on experience to students.
- To accomplish his goal, Prof. S. Y. Gambhir proposed establishment of a new laboratory and separate Dark Room for the department.
- 10+2+3 pattern started from the year 1975. Additional laboratory was established.
- Prof. S. Y. Gambhir had taken over the charge as the Principal of the college.

#### 1980-1990

- The department had started expanding from the year 1975 but the expansion in faculty, funding and students started from the year 1980.
- Within a short time, the Department of Physics became unrivalled as the largest department in SPPU (Formerly Pune University).
- Department of Physics revised its own teaching methods for theory and practical and began to apply their pedagogical work outside of the department as well.
- Prof. D. K. Datrange, Prof. Mrs Marathe, Prof. Mrs. Makahale were new recruits in the department to teach students in the year 1985.
- Prof. Mrs. V. A. Abhyankar and Prof. A. V. Deshpade were appointed at the senior college level.
- The idea of starting professional courses such as B.Sc. Electronics and B.C.S in the year 1986 was a turning point for the department.
- Prof. S. R. Chaudhari, Prof. B. B. Yenage, Prof. D. B. Gaikwad, Prof. S. R. Wagh, Prof. Walunj, Prof. S. S. Thengadi, Prof. Mrs. Mallya, Prof. Prashant Shaha, Prof. S. Chandrashekhar, Prof. Aparna Shilotri, Prof. V. T. Shelke were recruits in the department during 1985-1989 to cater to the increased workload due to commencement of new courses such as B.Sc. Electronics and B.C.S.

#### 1990-2000



- Syllabus revision workshop was conducted.
- Separate Department of Electronics and Computer Science were established from the parent Department of Physics.
- Permission was granted by the University of Pune to start M.Sc. in 1994.
- Superannuation of Prof. M. R. Marathe and Prof. S. Y. Gambhir during the year 1992 and 1993 respectively.
- Prof. V.V.Utturkar took charge as Head of the Department in 1993.
- Co curricular and extracurricular activities were enhanced. Astro-club was made functional.
- Minor Research Schemes were sanctioned by UGC to Prof. S. S. Thengadi and Prof. A. V. Deshpande.
- Mr. Swapnil Tribhuvan, student of the department were selected in Indian Army.
- Prof. A. S. Kulkarni took over the charge as Head of the Department in 1997.
- Astronomical Telescope was purchased.

#### 2000-2010

- Department faced first Accreditaion by NAAC Banglore, in the year 2002 very confidently and performed well. All staff members contributed equally in this Accreditation process.
- Superannuation of Prof S.N.Bhide, Prof.N.G.Shinde and Prof V.V.Utturkar during 2002 to 2005.
- Minor Research Schemes was sanctioned by BCUD, University of Pune to Prof. S. S. Thengadi and Prof. A. V. Deshpande.
- Department faced Second Accreditaion by NAAC Bangalore very confidently and performed well. All staff members contributed equally in this Accreditation process in the year 2010.
- Mr Harshvardhan Dhekane and Mr.Garge students of the department were selected in the Indian Army.
- Superannuation of Prof Mrs.A.S.Kulkarni in 2008.
- Prof .Mrs. V.A.Abhyankar took over the charge as Head of the Department in 2008.

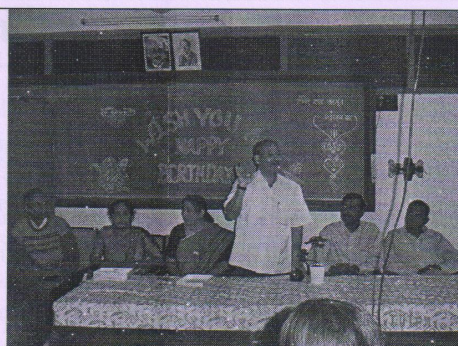
#### 2010-2016

- Ms. Neha Sapkal, a student of the department was selected in the Indian Army.
- Superannuation of Prof. V. A. Abhyankar in 2012.
- Prof. S. S. Thengadi was nominated as the Best Teacher by *Progressive Education Society*, Pune.
- Prof. A. V. Deshpande took over the charge as Head of the Department in 2010.
- Prof. N. M. Pardeshi, Dr. S. S. Patil, Dr. V. S. Waman and Prof. S. R. Gogte were recruited in the department during 2010-2013.
- Funds received from UGC, CPE, BSR, DST were used effectively.
- Post graduate course M.Sc was introduced in 2015.
- Instrumentation laboratory and Research Laboratory were setup.
- Superannuation of Prof A. V. Deshpande in 2015.
- Prof. S. S. Thengadi took over the charge as Head of the Department in 2015.

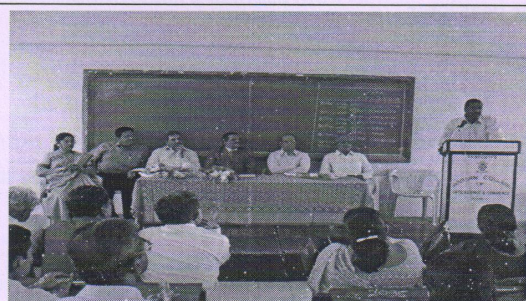




TEACHING AND NON-TEACHING STAFF OF THE  
DEPARTMENT IN 1994



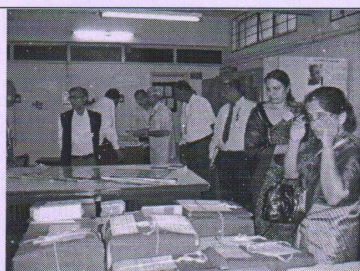
SEND OFF FUNCTION OF HEAD OF THE DEPT.  
PROF. V. V. UTTURKAR AFTER RETIREMENT



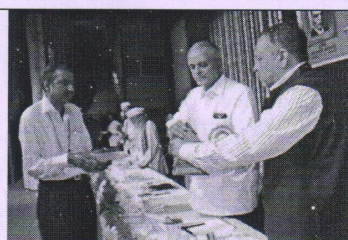
SEND-OFF FUNCTION OF HEAD OF THE DEPT.  
PROF. A. S. KULKARNI



FELICITATION OF SHRI. S. S. KAMTHE



NAAC PEER TEAM VISIT 2010



PROF. S. S. THENGADI AWARDED BEST TEACHER  
AWARD BY Progressive Education Society's, PUNE

Sr. No	Name of the HOD	Year
1.	Prof. S. Y. Gambhir	15/06/1970 to 31/05/1980 and 1/09/1992 to 31/07/1993
2.	Prof. M. R. Marathe	1/06/1980 to 31/08/1992
2.	Prof. V. V. Utturkar	1/08/1993 to 30/06/1997
3.	Prof. Mrs. A. S. Kulkarni	1/07/1997 to 31/10/2008
4.	Prof. Mrs. V. A. Abhyankar	1/11/2008 to 30/06/2010
4.	Prof. A. V. Deshpande	1/07/2010 to 31/08/2015
5.	Prof. S. S. Thengadi	1/09/2015 onwards



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## Department of English

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The Department of English of *Progressive Education Society's* Modern College of Arts, Science and Commerce started functioning with the establishment of Modern College on 15<sup>th</sup> June 1970. Since English was a compulsory subject for all the three faculties, namely Arts, Science and Commerce, the English department was in contact with the students of all these faculties and continues to remain so till date. However, its main teaching activities are concentrated in the humanities or Arts faculty where it is an important subject and occupies a place of honour.

From the beginning, the department has had a steady faculty who remained with the department till their retirement. All the faculty members were highly qualified and had a long teaching experience when they joined Modern College. Prof. S. R. Raikar, Prof. S. V. Dhayagude and Prof. A. R. Natu were in the department from the beginning; Prof. V. G. Joshi joined one year later.

Modern College started teaching English Special Course for B.A. (Honours) from June 1971. Since English Special for B.A. was popular and in constant demand there was a steady and continuous flow of students year after year.

We had Prof. Miss S. G. Parab, Prof. R. V. Kulkarni, Prof. Mrs. B. U. Muttalgiri and Prof. J. P. Chinchore as faculty members. They served in the department till the time of their retirement. Prof. V. G. Joshi and Prof. J. P. Chinchore also worked as Vice- Principals for some years. Prof. S. R. Raikar was Head of the Department as well as Life Member and Secretary of *Progressive Education Society*. He also worked as a Vice- Principal. In 1994, he took voluntary retirement.

In 1994, the college started the Post Graduate Course in English. The responsibility of running the post-graduate (M.A.) course fell upon the shoulders of Prof. (Dr.) S. V. Dhayagude, who had a long experience of teaching post-graduate classes at the Department of English, University of Pune. Since there was a shortage of qualified and experienced P. G. Teachers in the college, he had to enlist the cooperation of teachers from the University and other colleges from the city. The response to the M.A. English course was very encouraging. Prof. Dr. S. V. Dhayagude continued to work till the end of the academic year 1996-97. He retired on 31<sup>st</sup> October 1996. After his retirement, Prof. Mrs. A. A. Kamble was appointed in his place. She had served at T. C. College, Baramati in the department of English before joining Modern College. She joined the college on 26<sup>th</sup> December 1996. Prof. V. G. Joshi was appointed as head of the department.

Under the aegis of Dr. V. G. Joshi, the English Literary Association was formed. It was inaugurated on 26<sup>th</sup> September 1998 at the hands of Dr. Ashok Thorat, Dean, Faculty of Arts, University of Pune. The Chief speaker was Dr. Prashant Sinha, Head, Department of English, University of Pune. The subject of the talk was the Importance of English Language and Literature. A one-day seminar was also organized on the novels and dramas that were the texts for S.Y.B.A and T.Y.B.A. Films were screened for the P.G. students and poetry reading, guest lectures and elocution contests were organized.

In 1999, Prof. V.G. Joshi received a grant of Rs. 30,000/ from U.G.C. as a minor research project for 'Architectonic Style Depicted in Thomas Hardy's Novels'. An exhibition of posters and sketch books was organized on Teacher's Day, 5<sup>th</sup> September 1999. Debates were organized for the M.A. classes and films were screened for them.

In 2000, Prof. Mrs. Anuradha Alurkar and Prof. Mrs. Alka Kamble received Rs. 45,000/ and Rs. 40, 500/ respectively from UGC for minor research projects entitled 'Teaching Poetry at the Advanced Level' and 'Comparative study of texts books prescribed for Compulsory Course at Graduation level: ELT perspective'. A one- day cum Seminar cum Workshop was organized in January 2001 for which a grant of Rs. 10,000/



was received from UGC, A Seminar cum Workshop for college teachers was conducted to discuss the syllabus for English Special 4 at the TYBA level.

In September 2001, Prof. V. G. Joshi retired as the head of the department and Vice Principal of the Arts Faculty. Ms. S.G. Parab was appointed as the Head from 1<sup>st</sup> September 2001. Two new members of staff were inducted in this academic year; Ms. Tuli Chatterjee and Ms. Dipali Lodh Thakur. Ms. Alka Kamble attended NSS I level National Training Programme in Chennai. Ms. A.S. Alurkar presented a paper entitled 'The Colonial Impact on Indian Literature' at the University of Mumbai in February 2002. Students participated in various competitions like Paper Reading, Literary quizzes and elocution.

In 2004-05 the department conducted guest-lectures under the Quality Improvement Programme. Eminent speakers like Dr. Mohini Khot, Ms. Sudha Jawadekar were invited for the same. Academic movies based on novels prescribed at the U.G. level were screened and Ms. Alka Kamble took sessions on Presentation Skills and Mock Interviews.

In 2005-06, a film festival was organized for the UG and PG students. Guest-lectures were arranged for the students who were addressed by Dr. Leena Chandorkar and Dr. Shirish Chindhade.

In 2006-07, Ms. Alka Kamble was sanctioned Rs. 50,000/ for a BCUD sponsored research scheme. Her topic was 'The Effect of Convergence on Teaching and Learning a Second Language.' This year the students of English Special staged the play, 'All My Sons'.

In 2007-08, the department welcomed Ms. Sangita Sarma on an ad-hoc basis and Ms. Rupali Surlikar on CHB. Ms Sarma submitted her M.Phil. thesis on 'The Use of English in Advertisements'. Ms. Alka Kamble presented a paper entitled 'Error Analysis of English of UG students' at Innovation 2007, University of Pune.

In 2008-09, the department welcomed Ms. Harpreet Kaur Gandhi as a CHB lecturer. The Post Graduate Special English Course received permanent affiliation from the University of Pune.

Ms. Alka Kamble completed a Refresher Course and was awarded an 'A' grade. She was also granted a fellowship of Rs. 5000/ by the Women's Study Centre for a project entitled 'How to Promote Gender Sensitivity in the students through curriculum.' Ms. Dipali Lodh Thakur participated in the Career Mahotsav and Education Fair organized by the University of Pune and the Samarth Bharat Abhiyaan.

In 2009-10, the department saw 12 foreign students from various countries. Ms. Parab was appointed Chairperson of the NAAC- Curricular Aspects Committee. Ms. Dipali Lodh presented a paper entitled 'Feminism in the novels of Rama Mehta and Manju Kapur' at Y.M. College, BVP. The year also bade adieu to Ms. Parab on her retirement and Ms. Alka Kamble was appointed Head of the Department.

In 2010-11 the department organized a lecture series for P.G. students on 'Doing Research' funded by BCUD, University of Pune. Ms. Dipali Lodh successfully completed the Orientation Programme and stood first with an 'A' grade.

In 2011-12 a two-day lecture series on 'Career Opportunities in Languages' was conducted on 9<sup>th</sup> and 10<sup>th</sup> January 2012. Speakers from the fields of journalism, translation, e-media, technical writing and advertising addressed the students. Ms. Alka Kamble presented two papers entitled 'Assertion of Dalit Women in Autobiographies of Dalit women' and 'Teaching Language Skills to Low Proficiency Students. Ms. Dipali Lodh presented a paper entitled 'Reflections of the Women Characters from the Ramayana and the Mahabharata in the novels of Manju Kapur' in Y.M. College. Ms. Sangita Sarma completed her L.L.M. with a first class.

In 2012-13, the department organized an International Conference on 'Employment Enhancement through Proficiency in Indian and Foreign Languages' in association with other language departments. The



conference saw resource persons from various countries participating in it. Delegates from Thailand, Israel, Japan and various Indian cities were also present.

An exhibition was organized by the UG and PG students on 'World of Literature'. Ms. Dipali Lodh presented two papers entitled 'Theme and Influences in the Modern Indian Short Story in English' at Bhaban's College, Ahmedabad and 'Rousseau and Romanticism' at S.P. College, Pune. She also participated in a radio talk entitled 'In the memory of Robert Browning' aired on AIR.



## Department of Marathi

Marathi department has done various types of work during the first 25-30 years in our College. The main focus was given not only on the prescribed text books but also to enhance the knowledge related to languages and literature of the students while teaching. For creativity interests about Marathi language and literature, various programmes and activities were to be undertaken. The motives behind arranging the programmes of different things like stories, poems, biography, autobiographies, drama, music, dance etc. were to create awareness and classical approach amongst the students. For the celebration of 25<sup>th</sup> anniversary of Marathshtra state (1986) seminar was arranged on the topic "Marathi Language and Literature during the last 25 year" For this seminar various professors and students had come from different regions of India.

Dr. Bheemrao Kulkarni was the first head of the department of Marathi since 1970. He started his work at the time of the establishment of our Modern College. Under his guidance various activities were undertaken during the period of 1970 to 1983 successfully. After that Dr. Kulkarni joined SNDT Mumbai University. And V. B. Deshpande was the head of the Marathi department. During 25<sup>th</sup> to 27<sup>th</sup> October 1990, under the scheme of कोहसिप (Cohsip), one useful seminar for students & professions had arranged.

In this seminar, Marathi literature during 1980-1990 (the decade) was to be taken under consideration. Essays writing and the discussions related to stories, novels, poetry, drama, biology & autobiography & Lalit gadya (Prose) etc were to be done.

The inauguration speech for the seminar was delivered by famous poetess Shrimati Shanta Shelke. The various experts read the essay on different topics.

Dr. Aruna Dhere – Poetry

Dr. Yashawant Pathak – Story

Dr. Y. B. Deshpande - drama

Dr. Kalyani Diwekar – Biography

Dr. Snehal Tawre – Autobiography

Dr. Vijaya Dev – Novel

Dr. G. N. Joglekar Concluded the programme. 'Students active participation' was one of the special aspects of the said seminar. The students read (Abhiwahan) the novel written by Vaman Patrikar named 'Jagbudil'. Prof. G.M. Kulkarni delivered the speech as a chairman & analysed the aspects of 'Jagbudi'

Under the same scheme कोहसिप (Cohsip) another important programmes had been arranged by department of Marathi.

- 1) The speech was delivered by Dr. Shrikrishna Deshmukh due to the reason of 'Dnyaneshwari Saptashatabdi'.
- 2) The seminar was to be arranged on the topic 'Marathi Sahitya Ani Lalit Kala Yancha Paraspar Sambandha! (The co-relation between Marathi Sahitya and Lalit Kala )
- 3) On the topic of 'Sahitya Prakaranche Addhyapan' (Teaching- types of literature) the seminar of two days was being arranged. The difficulties arising in teaching, various doubts related in the same topic were discussed thoroughly. So many professors from different colleges had attended the seminar of course; they got valuable guidance due to this discussion programme. In this seminar, story (Katha), Poetry and Novel these three kinds of literature were been selected. Shri. Arvind Waman Kulkarni talked on 'Poetry', Dr. Anjali Soman talked on 'Story' and Dr. Anand Yadav talked on 'Novel'. The



seminar programme was inaugurated at the hands of Dr. R.P. Kulkarni and it was concluded by **Dr. G.N. Joglekar.**

- 4) 1991- Vangmay Itikasache adhyapan (Teaching of Literature History) (2-24 December 1991).

The following wellknown professors in Maharashtra were participation for the said seminar.

Dr. Sarojini Vaidya, Dr. G. N. Joglekar, Dr. R. D. Mancharkar, Dr. Harishchandra Nirmale etc.

1. **1993-** In March 1993, the seminar was arranged on the topic related to drama with the collaboration of Modern Mahavidyalaya and Lalit kala Kendra, Savitribai Phule Pune University, Pune for three days.

In this seminar directors, artists, dramatists, critics, spectators etc such various elements were undertaken for discussion. Shri. Damu Kenkare, Deenanath Takalkar, Dr. V. D. Kulkarni, G. M. Kulkarni, Dnyaneshwar Nadkarni, Vishwas Mehendale, G. R. Joshi, Arvind Vaman Kulkarni, Prof. Anil Sonar, Manisha Dixit and famous artist Vikram Gokhale had been participation this seminar.

#### **Different Programmes, Seminars, Discussions, Lectures, Exhibitions -**

##### **In 1997 -**

##### **Seminar on 'Kalabhiruchi':-**

Six arts (Lalitkala) such as Literature, music, dance, sculpture, drawing drama were to be discussed with essay-reading in this Seminar. The experienced and expert artist had been participated in the same seminar eg. Gangadhar Gadgil, Dr. Nagnath Kottapalle, Prof. R.G. Jadhav, Dr. V. M. Bachal, Pandita Rohini Bhate, Amol Palekar, Dr. Shriram Lagu.

##### **In 1998 -**

Due to birthcentury of Acharya Pralhad Kehsav Atre, discussions were to be held on his various kinds of literature in the seminar for 2 days. (14-15 feb-1998). The participants were- Dr. Nagnath Kottapalle, D.M. Mirasdar, Dr. G.N. Joglekar, Prof. R.Q. Jadhav, Prabhakar Panshikar, Dr. Shashikant Deshpande, Dr. V.B. Deshpande, Dr. Kalyani Divekar, Dr. Madhavi Vaidya, Dr. Nilima Gundi etc.

Mukund Naik and Mohan Madgulkar had presented a programme regarding the poems of Acharya Atre one beautiful exhibition had been arranged to display the published literature and photographs of Acharya Atre. Due to this programme, students, professors and other invitees could get the information and introduction of the great work done by Acharya Atre.

In one special occasion, after the completion of a seminar to celebrate 125<sup>th</sup> anniversary of Rangbhoomi, different eminent personalities were present. All were honoured for their work. It was a very nice & memorable programme. P.L. Deshpande was the chairperson, other honourable personalities like Swarraj Chhota Gandharv, Natshreshtha Dr. Shreeram Lagoo, Senior Dramatist Vijay Tendulkar, Satish Alekar, famous artist Amol Palekar, Senior Director Damu Kenkre, Senior Artist Dinanath Takalkar, Mama Pendse, Nana Patekar, Dr. Mohan Agashe, Vikram Gokhale, Yashawant Datta etc.

#### **Natya- Vibhag (Drama Section)**

Modern College of Arts, Science and College started Drama section with the help of the department of Marathi. The department had done the said work during the period 1984-98. Dr. V.B. Deshpande worked as organiser & guide of various trainy programmes & practicals were been arranged related to drama. The following aspects were considered.

- Drama- Training



- One Act Play writing – stage shows
- Discussions on various topics related to drama, speeches etc.
- Visits and interviews of Artist
- To see actual plays.

For the programmes & activities of the Drama- Section different wellknown, senior artist visited the college. P. L. Deshpande, Vijay Tendulkar, Mama Pendse, Dinanath Takalkar, Damu Kenkre, Satish Alekar, Amol palekar, Vikram Gokhale, Yashwant Datta, Mohan Agashe etc were the artist. Because of their discussions, speeches, interviews Drama Section had been enriched its work at that time through all these activities and programmes & fuctions, a lot of students learned and developed themselves. They have got name and fame in these fields. We are so proud of our students.

Here, following is the list of such students who became wellknown and eminent artist in different spheres were closely related with the Department of Marathi and Drama Section of our Modern College.

- Paresh Mokashi (Cine Director)
- Ashwini Giri
- Uday Lagoo
- Girish Pardeshi
- Meghana Vaidya
- Ashwini Ekbote
- Nandkishore Kapote
- Hema Lele
- Madhuri Sahasrabuddhe (Nagarsevika)
- Purva Keskar (Artist)
- Sureshchandra Padhye (Editor- Dainik SAKAL)
- Mukund Sangoram (Editor- Dainik Loksatta)
- Tyagraj Khadilkar (Drama- Artist, Singer)
- Anirudhha Khutwad (Drama-Artist)
- Gagan Vihari Borate (Drama Winner of Purushottam Karandak)
- Ajit Shirole (Drama)
- Dr. Snehal Tawre (Professor and HOD of Marathi in our College)
- Mahesh Patankar (Auditor)
- Manaswini Prabhune (Social worker-Goa)..

**List of Guides in Research Centre of Modern College of Arts Science and Commerce.**

Dr. Snehal Tawre – HoD  
Dr. Shivajirao Mohite  
Dr. Shobha Ingawale  
Dr. Madhukar Mokashi  
Dr. Ramdas Rasal  
Dr. Madhavii Kharat  
Dr. Jaya Kadam  
Dr. Mahadev Walunj  
Dr. Rekha Deshpande



Dr. Shobha Patil

**List of experts in translation of English into Marathi section commenced in 2011-2015**

Dr. Supriya Sahasrabuddhe

Mrs. Swati Mahalank

**From 1998 Dr. Snehal Tawre worked as Head of the Marathi Department:-**

Year 1984 onwards College provided me with opportunity to teach where I received my education, after rising to the post of Departmental Head 1988, worked out strategic plan for around progress of Marathi Department. Focal objectives of this plan were three fold.

1. The students take keen interest & liking towards the study of Marathi Literature
2. The students of Marathi literature become well formed & motivated citizens.
3. Creation of jobs employment and business opportunities through the medium of Marathi Language.

**Implementation – My Endeavour**

With these objective in view, while shouldering the responsibilities of the head of Departments and with the inspiring cooperation extended by *Progressive Education Society* and the Principal I could organise four international seminars (Two in India and one each in Mauritius and Dubai). To enhance the overall quality of education service of lectures were organised at state national level.

**Publications:**

Most of seminar deliberations volume have been published and few remaining are on way.

**Visit of eminent Personalities:**

Several eminent literary figures, vice chancellors and wellknown personalities visited our esteemed college and expressed their appreciation of our efforts to enhance the participants of our state of art in education field.

**Special Feature:**

One of most appreciated special feature of these seminars was that no registration fees were charged by the college. This is perhaps, very rare example of conducting free seminars not only in Maharashtra but in whole of the Indian continent. We could proudly state that our Department of Marathi has made a significant contribution to spread knowledge through lively deliberations in these seminars lectures etc.

**Establishment of Ph.D Research centre:**

In the year 2012, our research Centre received recognition as an approved Ph.D Research Centre. In short span of time several students took up research activities in the centre. As on the date 23 student scholars are doing research under the guidance of Dr. Snehal Tawre and other research guides. These scholars include not only young aspirants, but also Sr. Citizen and also a Foreign National. This is a glorious contribution to the hub of education city – Pune.

**Strategic need for making Education**

During the year 1994 post graduate wing in the department was started. But soon there after in the year 1998. The acute need for 'Marketing Education' was felt to receive increasing response from hither to untapped sections of our society. Accordingly an appeal was made to the serving employees from various



sections, to do MA in their spare after office hours. In response, several in service students and other citizens registered for MA- Marathi post graduation. Many of them were already highly educated, but for the love for Marathi language, they succeeded in earning M.A. degree with distinction. Amongst them were CAS, MDs from B. J. Medical College, Engineers, IT professionals, businessman and also professors. In the year 2014, Mrs Vandana Joshi did MA in Marathi. She earned the distinction of winning three Gold medals from Savitribai Phule Pune University bringing glory to Modern College. All these success stories brought glory & recognition prestige and honour not only to the Marathi Department but to the entire institution.

All the faculty members of the Marathi Department have authored abundant number of books of the library works. Promenantly our Dr. Bhimrao Kulkarni, Dr. V. B. Deshpande, Dr. D. R. Punde, Dr. Swati Karve, Dr. Medha Sidhaye and Prof. Leena Patankar, were the rich contributors among the Marathi literature from the serving faculty Dr. Snehal Tawre-35, Dr. Madhura Koranne, Dr. Vijayantimala Jadhav-1 (2013) and Dr. Gajanan apine-1(2013).

Total around 50 books have been authored by them. Books edited by Dr. Snehal tawre have been included in the syllabus as textbook or reference books of several universities, in and outside of Maharashtra. Dr. Madhura Koranne's book received state award is a praiseworthy.

#### **Employment – Job oriented Add-on Course--English in Marathi traNslation**

Keeping in mind the need to create employments and job opportunities an add-on course English in to Marathi is being conducted by the Marathi department for last four years. Response to this course programme is encouraging.

#### **Celebrating of Marathi Day**

Department of Marathi celebrates every year 27<sup>th</sup> Feb, as "Marathi Din" (Marathi Day) in memory of famous poet laureate 'Kusumagraja, many popular assorted programmes are organised on that day. Promoting writing prowess among students. So encourage & promote writing skills & prowess amongst the students, the Marathi Department has brought out a book "माझी आई" (My Mother) and an e-book & contains contributions from the Principal, other teachers & students. Marathi department has planned to bring out 'संशोधन पत्रिका' soon.

#### **First Woman Chairman of Board of studies of Marathi-**

(मराठी अभ्यास मंडळ)

During the period of last 65 years (1950- 2015), Dr. Bhimram Kulkarni and Dr. V. B. Deshpande of Modern College were the members of Board of studies of Savitribai Phule Pune University. It is the rare honour that now Dr. Snehal Tawre has unanimously elected as its first woman chairman of BOS Marathi. She has the prior experience of working with BOS centres of Swami Ramanad Tirth University, St. Mira's College, Pune, Solapur University, Solapur and Bharati Vidyapeeth, Pune. She was also a member of management committee of Bharatiya Vidya Bhavan.

#### **Different Programmes – Seminars – Lecture:**

Year	Date	Programme	Theme	Delivered by
1998-99	19/12/1988	Talk	हसायला शिका	Prof. Sharad wagh
		Talk	मराठी नाटक	Dr. Shashikant Sawant



		Seminar	आजच्या गणेशोत्सवाचे स्वरूप F	Students of 1 <sup>st</sup> year Commerce
1999-2000		Talk	आजचे ग्रामीण साहित्य	Dr. D. T. Bhosale
		Talk	महदंबेचे ढवळे	Dr. Suhasini Irlekar
		Talk	साने गुरुजींची शिकवण	Prof. R. G. Jadhav
		Talk	यशवंतराव चव्हाण - कार्य आणि कर्तृत्व	Prof. R. G. Jadhav
		Talk	'सूड' दीर्घ कथेचा प्रवास	
		Talk	बंदिश कादंबरीचे लेखन	Dr. Anjali Soman
		Talk	माझ्या कादंबरीतील स्त्री	Dr. Pratima Ingole

**2000-2001**

One day seminar on (Restructured Curriculam) was inaugurated by S. P. Pune University. Vice Chancellor Dr. Arun Nigavekar. While former dean Prof Y. P. Kulkarni was the chief guest. Eminent literary personalities such as Dr. G. N. Jogalekar, Dr. M. S. Punde, Dr. Chandrashekhar Barve, Dr. A. V. Kulkarni, Prof. Chandrakant Advarkar, Shri. Shankar Sarada etc has given valuable guidance.

**2001-2002**

A state level seminar "Marathi Shudhlekhanachya Jaga" was inaugurated by Dr. V.K. Lele, Dr. Kalyan kale and Shri. Arun Phadake were eminent speakers of the seminar.

Dr. P. A. Kumbhar delivered lecture on the topic "Rojachya Jivanatil Hasya"

Prof. Asha Kardale has given the speech on the topic (nature of Mahanubhav Literature).

A slide show was presented by Dr. Anand Shinde.

**2002-2003**

Lecture series was organized on following topics:

Dr. Neelima Gundi delivered lecture on topic (Vasant Bapat - a Poet).

Shri. Prakash Chitale provided his guidance on the subject (Translation - An Art).

Shri. V. V. Ghanekar spoken on the topic (Globalization).

Mrs. Asavari Kakade spoke on the subject (My Poems).

Dr. Neelima Gundi spoke on the topic (Poems of Narayan Surve).

Dr. Kamlesh Soman talked on topic (Competitive Examinations).

**2003-2004 Lecture Series**

S.N Date	Programme	Theme	Delivered by
1) 9/8/2003	Lecture	Appreciation of Poems	Dr. Shantanu chindhale
2) 25/8/2003	One act play	Patil's London trip	Dr. Anand Patil
3) 11/10/2003	Lecture	Social work of Saint	Dr. Martand kulkarni
4) 17/10/2003	Lecture for PG	study of Literature	Dr. D. D. Punde
5) 28/12/2003	Lecture	Kavya sugandh	Dr. D. Dhondage
6) 5/1/2004	Lecture	Marathi Grammar	Dr. Kalyan kale



7) 7/2/2004	Lecture	Phonetics	Dr. R. R. Gosavi
8) 1/3/2004	Lecture	Study of specific literary period	Dr. Rekha Deshpande

#### Elocution Competition

- 1) 6.8.2003 (Ek Gaon: EK Ganpati)
- 2) 30.8.200 Pawsachya Kavita
- 3) 2.9.2003 Jahirat: Ek Kala

#### State level Seminar

Under the Quality Improvement scheme of initiated by SSPU, Pune a seminar was held on 24.11.2004 on the subject. (Marathi story writing after 1980). Prof R.G. Jadhav inaugurated the event presided over by G.N. Jogalekar, Principal R.R. Borande was the chief guest. Following eminent personalities presented their Research Papers...

Shri. Niranjana Ghatge	Dr. V. V. Ghanekar
Dr. Madhavi Kharat	Dr. Bhaskar Shelke
Dr. Chhaya Pawar	Dr. Suvarna Divekar
Dr. Manda Khandage	Dr. Uma Kulkarni
Dr. Mrunalini Shah	Shrimati Mrunalini Chitale

#### 2004- 2005 Lecture Series

Theme	Speaker
ग्रामीण साहित्याचे योगदान	Dr. D.T.Bhasale
हिंदोळ्यावर	Dr.Veena Dev
महाराष्ट्राचे शिल्प वैभव	Dr. Kiran Dehsmukh
सामाजिक भाषा विज्ञान	Dr. Kalyan Kale
सुपर क्लोन	Dr. Niranjana Ghatge
दोन मने	Dr. Kalyani Divekar
भाषांतर एक कला	Dr. Mrunalini Gadakari

#### Seminars:

Pre and post graduation students participated in the seminar titled - (Criticism).

#### 2005-2006 Lecture Series:

- |                                |                          |
|--------------------------------|--------------------------|
| 1) वृत्तपत्रलेखन कसे करावे     | Shri. Yamaji Malkar      |
| 2) साहित्यनिर्मितीची प्रक्रिया | Dr. Ravindra Thakur      |
| 3) मनाचे श्लोक                 | Dr. R. R. Gosavi         |
| 4) प्राचिन मराठी वाङमय         | Dr. Avinash Aawalgaonkar |
| 5) व्यक्तिमत्त्वाचा विकास      | Dr. Sharad Wagh          |



6) बिनपटाचीचौकट	Dr. Mahavir Jondhale
7) संगीत शारदा	Dr. Chandrashekar Barve
8) अर्थविराम	Dr. N.M. Joshi
9) साहित्यविचार	Dr. Leela Govilkar
10) जगण्यातील आनंद	Shri Datta Rao
11) संतचोखामेळा	Dr. Shama Ghonase
12) शिवकाल	Shri Ninad Bedekar
13) विचारशिल्प	Dr. R. G. Jadhav
14) आज्ञापत्र	Prof. R. A Kadam
15) बहिणाबाईचा गाथा	Dr. Kalyan Kale
16) माझा रशियाचाप्रवास	Dr. Manohar Jadhav
17) ध्रुपद	Dr. Neelima Gundi
18) संतजनाबाईचे अभंग	Dr. Shivajirao Mohite
19) वाडःमयाच्या कालखंडाचा अभ्यास	Dr. Rekha Inamdar
20) नलदमयंती स्वयंवर	Dr. D. D. Punde

**Student's seminar:**

- 1) उद्याचे समीक्षक
- 2) माझ्या गणपती उत्सवाच्या कल्पना

**2006-2007 Lecture Series:**

Theme	Speaker
1) विवेकानंद आणि तरुण पिढी	Shri. Madhu Nene
2) माध्यमातील मराठी	Shrimati Deepa Bhandari
3) अनुवाद कसा करावा	Prof. N. D. Apate
4) दलीत साहित्य	Dr. Neela Pandhare
5) वाचन संस्कृती	Prof. Anant Bhawe

**Felicitation:**

Miss Roshani Sutar – a student of the Marathi Department stood first in the SPPU. She was felicitated by Principal Shri. A. J. Gosavi.

**2007-2008 Lecture SeriesL**

Theme	Speaker
1) विज्ञान कादंबरी	Dr. Ratnakar Bhelkar (Nagpur University)



2) श्री कृष्ण - माझे गुरू

Prof. Ujjawala Dixit

#### Students Seminar:

1) उद्याचे समीक्षक (Tomorrows Critics)

2) गणपती उत्सव (Ganapati Festival)

Students Seminars on the above topics were organized during the year.

#### National Seminar:

A two National Seminar on the topics 'मराठी प्रमाण भाषेचे शुध्दलेखन: एक नव विचार'

(Orthography following eminent writers guided the proceedings...

- |                            |                                      |
|----------------------------|--------------------------------------|
| 1) Dr. Gajanan Ekbote      | 14) Dr. Krishna Arjunvadkar          |
| 2) Dr. Shivajirao Mohite   | 15) Shri. Satvasheela Samant         |
| 3) Prof. R. G. Jadhav      | 16) Shri. Jawahar Mutha              |
| 4) Dr. P. N. Paranjape     | 17) Shri. Mohani Diwakar             |
| 5) Principal A. G. Gosavi  | 18) Dr. Yasmin Shaikh                |
| 6) Dr. Kalyan Kale         | 19) Dr. Shubhangi Gore               |
| 7) Dr. Anand Yadav         | 20) Dr. Suhasini Patel               |
| 8) Dr. G. M. Powar         | 21) Dr. Neelima Gund                 |
| 9) Dr. P. C. Shejavalkar   | 22) Prof. Sulabha Mohite             |
| 10) Dr. Vinita Apaté       | 23) Dr. Dilip Garud                  |
| 11) Dr. Ashok Shinde       | 24) Dr. Mahendra Kadam               |
| 12) Prof. Vishwas Vasekar  | 25) Shri. Shubhanan Gangal           |
| 13) Principal R. N. Ballal | 26) Dr. Gouriya Homrajan (Mauritius) |

#### A four days International Seminar on the topic

मराठी भाषकासाठी देश - विदेशातील नोकरी - व्यवसायाच्या संधी

Was organized Conference in the Bal Gandharva Rang Mandir, Pune. Hon. Minister Shri. Harshavardhan Patil Inaugurated the seminar Dr. Rajendra Shende, Director programme - finance was the chief guest and Hon Chairman of Progressive Education Society Shri Gajanan Ekbote presided over the function. In this 4 days seminar total 60 eminent personalities delivered their lectures

#### Among them were

- |                                    |                           |
|------------------------------------|---------------------------|
| 1) Shri. Shrikrishna Chitale       | 27) Shri Mukund           |
| 2) Shri. Kishore Sarpotdar         | 28) Dr. Vinita Apaté      |
| 3) Dr. D. R. Jagdale               | 29) Dr. Ujjwala Barve     |
| 4) Shrimati Ashwini Natu (England) | 30) Smt. Lalan Sarang     |
| 5) Shri. Jagdish Bhat              | 31) Shri Anant Bhavé      |
| 6) Dr. S. V. Karandikar            | 32) Shri Shyam Bhurke     |
| 7) Brahmchari Shailesh Chaitanyaji | 33) Shri. Sangram Khopade |
| 8) Dr. Sumedha Bhosale             | 34) Shri. Milind Shintre  |
| 9) Dr. P. C. Shejavalkar           | 35) Shri N. Deshpande     |



- |  |                                     |
|--|-------------------------------------|
| 10) Mrs. Sumedha Bosale                    | 36) Shri Makarand Tillu             |
| 11) Paranjape                              | 37) Dr. N. M. Joshi                 |
| 12) Dr. Aruna Dhere                        | 38) Dr. Rajendra Zunjarrao          |
| 13) Shri Gurunath Naik                     | 39) Shri Pravin Chavan              |
| 14) Shri. Anil Mehata                      | 40) MP Chandrakant Patil            |
| 15) Shri Hemant Joshi                      | 41) Mayor Rajlaxmi Bhosale          |
| 16) Shri Arun Phadake                      | 42) Shri P.V. Gadgil                |
| 17) Shri. S. V. Joshi                      | 43) Dr. Bhagyalata Paraskar         |
| 18) Shri. Arun Gadgil                      | 44) Smt. Arya Joshi                 |
| 19) Dr. Uma Kulkarni                       | 45) Shri Sunil Mahajan              |
| 20) Shri. Prakash Chitale                  | 46) Adv Vandana Chavan              |
| 21) Shri. Shankar Sarada                   | 47) Shri Krishnakant Kudale         |
| 22) Shri. Sourabh Gadgil (PNG- California) | 48) Dr. Arun Nigavekar              |
| 23) Shri. Vasant Desai                     | 49) Shri Madhukar Tapkir            |
| 24) Shri Pandurang Vatharkar               | 50) Shri Vitthal Kamat              |
| 25) Shri Dhanajay Shitole (Africa)         | 51) Dr. Ramesh Devare               |
| 26) Shri Anand Agashe                      | 52) Dr. Gouriya Homrajan (Morishus) |

These dignitaries participated in the deliberation in this 4 days seminar. Important session topics were food production, management and tourism, yog and Siddha Samadhi – Chinmay Mission, Health, Books Production Mechanism, Business and Export, Broadcasting Medium and other fields, Acting and other fields, education, relations, spiritual, Banking, programme management etc.

#### **2009-2010 International Seminar:**

Three days International Seminar on the topic (Nature of Research and Study of Marathi Literature at Global level)

जागतिक स्तरावर मराठी साहित्याच्या संशोधनाचे आणि अभ्यासाचे स्वरूप- was organized by Dr. Arun Adsul – Vice Chancellor of Savitribai Phule Pune University, Dr. Rajendra Shende, Mayor Mohan Singh Rajpal, Dr. Gajanan Ekbote, Principal Rajendra Zunjarrao, Principal A. G. Gosavi, Vice Principal Jagdish Chinchore, Prof. R. G. Jadhav and Dr. Snehal Tawre were present in the inauguration functions.

During the inauguration function the book – खिशातले शुध्द शब्दकोश was published. During 3 days, there were 11 sessions and 85 eminent speakers delivered their speeches. Some of dignitaries were

- |                           |                           |
|---------------------------|---------------------------|
| 1) Dr. D. G. Gawade       | 7) Dr. Leela Govilkar     |
| 2) Dr. Anand Yadav        | 8) Dr. N. J. Sonawane     |
| 3) Dr. Manohar Rokade     | 9) Dr. L. R. Nasirabadkar |
| 4) Dr. Shashikant Sawant  | 10) Dr. D. N. Dhangare    |
| 5) Shri. Avadhut Kakodkar | 11) Dr. G. M. Pawar       |
| 6) Dr. D. N. Bhosale      |                           |

#### **State Level Seminar:**

- 1) A 2 days Seminar on the topic संत तुकाराम (Saint Tukaram) was organized on 29<sup>th</sup> and 30<sup>th</sup> January 2010. Dr. Pandit Vidyasagar – Director BCUD inaugurated the event. Dr. Ramesh Devare- Dean, Dr.



Rajendra Zunjarrao, Vice Principal, Jagdish Chinchore, Respected Principal A. G. Gosavi, Vice Principal Dr. Y. R. Waghmare graced the function with their presence in the '9' sessions. Dr. Ramdas Dange, Dr. Manohar Jadhav, Dr. Kishore Sanap, Dr. Sadanand More, Shri. S. B. Musale, Prof. Viswas Vasekar Spoke on the topic

- 2) Another state level seminar titled - लेखक तुमच्या भेटिला - was held on 10<sup>th</sup> and 11<sup>th</sup> February 2010.

Dr. L.R. Nasirabadkar and Shri Baba Bhand inaugurated the seminar. In its 12 sessions, 12 authors expressed their thought. Among them were Dr. Shriram Gundekar, Smt. Urmila Pawar, Shri Balasaheb Saudagar, and Shri. Aasharam Lomate, Dr. Baburao Upadhye, Dr. C. D. Joshi, Dr. Balasaheb Gunjal, Dr. Ashok Shinde and Dr. D. N. Bhosale took part in guidance the seminar.

#### 2010-2011

Shri Ashok Kotawal spoke on his novel titled प्रार्थनेची घंटा on 4<sup>th</sup> January 2011.

#### 2011-2012 State Level Seminar:

With the co-operation of Savitribai Phule Pune University a two days seminar on the topic - "दृक - श्राव्य माहिती पटांची निर्मिती प्रक्रिया आणि उद्योगांच्या विविध संधी" was organized on 5<sup>th</sup> and 6<sup>th</sup> march 2012. Dr. P.C. Shejavalkar inaugurated this 2 days seminar Chaired by Dr. Gajanan Ekbote, Shri. Satish Alekar was the Chief Guest.

On music - संगीत	1) Shri Kedar Bhagwat
	2) Shri Pramod Ranade
संहिता लेखन	3) Smt. Swati Patankar
संशोधन	4) Smt. Pratibha Shahu Modak
छायाचित्रण	5) Raja Pokharapur
	6) Dr. Prashant Vaidya
	7) Dr. Madhavi Vaidya
संकलन	8) Shri. Nandakishor Jadhav
	9) Shri. Anant Bhawe
निर्मिती प्रक्रिया	10) Shri Kamalesh Chandediya
	11) Smt. Lalan Sarang

Above mentioned dignitaries guided the seminar with their lectures. After each session, a video film was shown. In the concluding session, Dr. Ashok Chaskar, Shri. Vishwas Mehendale and *Progressive Education Society's* member of ruling body, Prof. Jyotsna Ekbote were present.

On 17<sup>th</sup> December 2011, Marathi Department organized a lecture on the topic - "जर्मनी आणि भारत यांच्यातील शैक्षणिक प्रवास" Smt. Nalini Spareling from Germany spoke on the occasion.

#### 2012 - 2013 State Level Seminar:

"मराठी विनोदी कथा: स्वरूप आणि सादरीकरण"

In collaboration with Savitribai Phule Pune University, a two days Seminar on the topic was organized on 4<sup>th</sup> and 5<sup>th</sup> February 2013. Dr. D.N Bhosale, Dr. P. C. Shejavalkar and Dr. Gajanan Ekbote inaugurated the



seminar. On this occasion the dignitaries on the stage, announced the publication of Dr. Snehal Tawre's book 'पारिभाषिक संज्ञा कोश'.

#### Eminent personalities

Smt. Mangala Godbole	Dean Ashok Chaskar
Shri. Maruti Yadav	Smt. Swati Mahalank
Dr. Leela Govilakar	Shri. Bhushan Katakhar
Dr. Vineeta Apte	Smt. Vaishali Mohite
Shri. Chandrakant Mirasdar	Smt Pratibha Shahu Modak
Dr. N. M. Joshi	Dr. Kakasaheb Mohite
Shri. Makarand Tillu	Prof. Jyotsna Ekbote
Shri. Ashok Murudkar	Shri. Vishwas Mehendale
Shared their thoughts.	

#### 2013-2014 State Level Conference:

In collaboration with Savitribai Phule Pune University a one day Conference on the topic – "माझी जडण घडण" was organized by the Marathi Department on Wednesday the 26<sup>th</sup> February 2014. Prof. F.M.Shinde President / Chairman "अखिल भारतीय मराठी साहित्य सम्मेलन" inaugurated the conference in august presence of Dr. Gajanan Ekbote, Dr. Nagnath Kotaapalle- former Vice Chancellor, Aurangabad University and Prof. Jyotsna Ekbote.

Eminent speakers Dr. D. N Bhasale, Dr. P. L. Gawade, Shri. Uttam Kamble, Dean Dr. Ashok Chaskar, Dean Dr. Gautam Bhong led and guided the proceedings in the conference.

During the inaugural function, a book titled "माझी आई" written by the students and professors of the college published.

An elocution competition for the students on the topics "आपली उत्सवप्रियता", "ध्वनिप्रदुषण", "एक पेठ एक गणपती", "उद्योग व्यवसाय" was organized.

Dr. Snehal Tawre gifted books to encourage the students.

#### 2014-2015 Celebrating Marathi Bhasha Din:

Students Competitions on related topics were organized to celebrate Marathi Bhasha Din, in the memory of Poet **Lauret Kusumagraja**.

- 1) Hand Writing Competition
- 2) Marathi Poems Competition
- 3) Remedies for improving Marathi Language
- 4) My favorite poet- Kusumagraja
- 5) विद्यार्थीदशेतील माझी जडण – घडण

International Conference at Mauritius



A conference was held on 6<sup>th</sup> January 2015 at Gandhi Institute at Moritius on the topic “भारतीय संतांचे योगदान” (Contribution of Indian Saints).

A book of the proceedings at the conference was published by Dr. Snehal Tawre.

Dr. Snehal Tawre, Head of the Marathi Department has organized several International Interdisiplinary Conferences in various countries till the date.

- 1) Participated in Conference on “Bhartiy Santanche Yogdan” in Mahatma Gandhi Institute, Mauritius 2015.
- 2) Participated in International conference in Dubai and presented paper on “Desh Videshatil Vyavsthapan Guru” 2015.
- 3) Participated in Conference in Thiland and presented paper on “Bhartiy Loksanskritiche Swaroop”
- 4) International Conference at London, Conference theme Contribution of Dr. B. R. Ambedkar and V. D. Sawarkar in various fields.
- 5) International Conference at Switzerland, Conference theme, The Concept of Universal Motherhood.
- 6) International Conference at Pune, Conference theme, The aspects of Women Empowerment in various fields at National and International Level.
- 7) International Conference at Singapore -Conference theme, The Concept of Universal Fatherhood.
- 8) International Conference at Maleshiya at MASHA University,Conference theme- Nature of My Research work and Its Importance at International Level.
- 9) International Conference at Pune, Conference theme, The aspects of Women Empowerment in various fields.



## Department of Statistics

The Department of Statistics was started in the year 1970. Statistics was a subsidiary subject upto S.Y. B.Sc. and special subject for S.Y. B.Com. and T.Y. B.Com. classes at that time.

Department has a tradition of good examination results. It is known for sincere staff members. The department conducts Add- on courses like SAS software, R Software and MS EXCEL. Projects help the students in understanding applications of Statistics in various fields. Students' activities help them for soft skill development.

Prof. P.S. Chirputkar, a brilliant, meritorious scholar who was a topper in all the examinations during his student life, was the first head of the department. His methodical style of working and disciplined nature laid down a good foundation for the department. He was an excellent teacher and idol for many of the students. To make the subject easy was his prime concern and his lucid way of writing books was very beneficial for the students. Many good traditions are still followed due to him.

Year	Heads of the Department
1970-1995	Prof. P. S. Chirputkar (Retired in June 1995)
1995-1999	Prof. K.T. Kashid (Retired in April 1999)
1999- till the date	Dr. P. G. Dixit

Later on Prof. P. S. Chirputkar worked as Vice – Principal during the years 1979-1987 and Principal for during the years 1987-88 and 1994-95. He was life member, Buisness council member of *Progressive Education Society*. Now he is honored as vice president of *Progressive Education Society*, the parent Institute of Modern College. He is a Chairman of Local Managing Committee for last 15 years.

Bright students like Mr. Sham Wagh, Mr. Sunil Dadhe were the students who offered Statistics as a special subject at T.Y. B.Com. Mr. Sham Wagh later completed MBA from Indian Institute of Management (IIM) Ahmedabad. He is a successful businessman and inspiration to many of the students. Mr. Sunil Dadhe deliberately took statistics as a special subject at B.Com and M.Com. Later on, he has joined Indian Accounts Services through UPSC examinations. A meritorious past student Mr. Sadanand Date (Add. CP, Mumbai) joined Indian Police Services through UPSC examinations. He has shown his courage on 26<sup>th</sup> November 2008 by fighting with terrorist at Hotel Taj, Mumbai. Due to his courageous act he was felicitated by many institutions including *Progressive Education Society*, Pune and he is the recipient of the Presidential medal.

In the year 1976, a seminar was conducted in which students read the articles on

1. Statistical Quality Control
2. National Income

The guest speaker Prof. Karandikar S.N. talked about computer and its utility.

Prof. P. G. Kulkarni (Staff member) passed Indian Statistical Services examination of UPSC and joined Central Government Services.

In the year 1978, electronic calculators were introduced for practicals. It was a **milestone** in the development of the department in the field of computations.

In the year 1979 M.Com Statistics (Special) was started. Modern College was the first college affiliated to University of Pune (Now Savitribai Phule Pune University) where M.Com Statistics course was started.

Statistics was started in June 1979 as a principal subject at T.Y. B.Sc.

Ms. Neelima Godse, Ms. Uma Randive of S.Y. B.Sc. (Statistics) later pursued their career in statistics.

Ms. Neelima Godse was the University topper at M.Sc. Statistics examination in the year 1979.



Another **milestone** in the development of department was in the year 1984; Computer programming courses at T.Y. B.Sc. were started. In the beginning BASIC and FORTRAN were the languages taught. Programs were run with the help of Regional Computer Centre (RCC) at the University of Pune.

During the years 1984-86 Prof. P.G. Dixit, Prof. V.R. Prayag, have completed M.Phil. course under faculty improvement programme of UGC. Prof. P.S. Kapre and Prof. A.A. Dharmadhikari completed M. Phil. course while in service. Later on in the year 2004 Dr. A.A. Dharmadhikari completed Ph.D. under faculty improvement programme of UGC.

The next **milestone** in the development of department was in the year 1989 .The first IBM PC was made available to the department.

The staff members pursued their careers as researcher and acquired M.Phil. and Ph. D. degrees.

#### Academic Achievements of staff members

Name of staff members	Year of award of M. Phil.	Year of award of Ph. D.
Dr. P. G. Dixit	1984	2016
Dr. V. R. Prayag	1985	1991
Dr. A. A. Dharmadhikari	1986	2004
Prof. P. S. Kapre	1986	-
Dr. M. M. Sane	1995	2003
Prof. A. T. Kamble	2007	2015
Prof. S. B. Pathare	2004	-
Prof. T. N. Choudhary	2009	-
Prof. R. M. Umrani	1994	-

In the year 1991, department has taken initiative and started a certificate course in LOTUS -123 for T. Y. B.Com. Statistics students. It can be treated as **milestone** in the development of the department. The course was continued for next few batches.

Prof. P. G. Dixit worked as NSS programme officer during the years 1991-1995. He received University level the best NSS programme officer award for the year 1995. He is shouldering the responsibility as Chairman Gymkhana Managing Committee from the year 2010 and Vice- Principal of the college from 2015. He was nominated as life member of P. E. Society from 1995 till date. He was nominated as Deputy Secretary of P. E. Society from the year 2007 till the date.

He was co-opted on Board of studies of Bharati Vidyapeeth Pune, Solapur University, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, Swami Ramanand Tirth University Nanded, K. J. Sommayya College, Vidyavihar Mumbai, and R. L. Science College Belgaon. He was on the syllabi revision committee of Shivaji University, Kolhapur.

Staff members completed refresher courses during the years 1992-95 at Gujarat University Ahmadabad, Karnataka University, Dharwad, University of Pune (Now Savitribai Phule Pune University), Indian Statistical Institute, Kolkata.

Department made valuable and significant contribution in the academic development of Statistics for undergraduate courses at University of Pune by representing on Board of Studies.

Prof. P. G. Dixit was on board of studies in statistics of Pune University during the years 1995-2005. Later on during the years 2005-2010 he was chairman of board of studies in statistics. He was a member of



Academic Council, Board examination, unfair means committee, examination reform committee of Pune University (Now Savitribai Phule Pune University).

**Syllabi Revision:** For the last 35 years, department is making significant contribution in syllabi revision at Under graduate and Post graduate level under science and commerce faculties. The courses introduced in university syllabi like Statistical Ecology, Medical Statistics, Reliability are due to the efforts of staff members in the department.

Staff members in the department made a substantial contribution in question bank preparation under examinations reforms activity at Pune University (Now Savitribai Phule Pune University).

**Representation of staff members on Board of Studies of Statistics at Savitribai Phule Pune, University (Formerly Pune University)**

Name of the staff member	Period
Prof. P. S. Chirputkar	1972-1992
Dr. P. G. Dixit	1995-2010
Dr. A. A. Dharmadhikari	2010-2015
Dr. V.R. Prayag	1995-2000
Dr. M. M.Sane	2010-2015

The department has played a significant role in publishing text books as per syllabi. The books were very popular among the students. It was an excellent service given to society.

While pursuing the M. Phil and Ph.D. staff members published a number of research papers in peer reviewed journals. Department has a good tradition of publishing text books for various classes up to degree courses.

#### Publications:

Name of staff members	Book published till 2016	Research papers published
Prof. P. S. Chirputkar	75	-
Prof. K.T. Kashid	01	-
Dr. P. G. Dixit	78	01
Dr. V. R. Prayag	16	11
Prof. P. S. Kapre	30	-
Dr. A. A. Dharmadhikari	-	05
Dr. M. M. Sane	-	03
Dr. A. T. Kamble	-	05

From time to time, Prof. P.S. Chirputkar, Dr. P. G. Dixit and Dr. A. A. Dharmadhikari published a number of articles in news papers and the periodical "Beyond Friendship" was published by Students' Welfare Association, Pune -05 on the topics Education, National Service Scheme, etc.

Dr. V.R. Prayag, Dr. P. G. Dixit and Dr. A. A. Dharmadhikari prepared educational films at EMRC, University of Pune, Pune. Dr. V.R. Prayag participated in the programmes arranged by Pune Broadcasting Centre. Dr. P.G. Dixit participated in the program in television about the success of Modern College NSS unit.

Mrs. Salunke M. P. (Lab-Attendent) has also updated herself by attending seminar on

1. 'महिला सबळीकरण' arranged by Centre for Adult Education, University of Pune on 27<sup>th</sup> November 2010.



2. Basic skills in counseling workshop by the Institute for Human Relations, Counseling and Psychotherapy at Vellore (Tamilnadu) during 17<sup>th</sup> to 19<sup>th</sup> January 2013.
3. 'मोडी लिपी कार्यशाळा' conducted by Directorate of Archeology during 28<sup>th</sup> Jan. to 8<sup>th</sup> Feb. 2013.

Another **milestone** in the development of the department was to initiate projects to bridge the gap between theory and applications. The projects were started as a part of curriculum from the year 2000 on a variety of applied topics. Few projects received prizes.

Prof. A. S. Prabhu was the examiner for projects in 2002. He liked one of the projects and instantly gave a cash prize and appreciated the students endeavor.

#### **Students' Library:**

Department is running students' library from the year 1986 till the date, by initiative of Colonel Dilip Pande (Past student). Prof. P. S. Chirputkar and Dr. B. K. Kale (Former Head, Department of Statistics, University of Pune) donated valuable books for the students' library. Staff members in the department had contributed initially for purchasing books. Now there are more than 300 books, journals, projects and question banks in the students' library. It is of immense use.

#### **Achievements of Past students:**

It is indeed a matter of great pride and pleasure to take review of the glorious and remarkable achievements of past students.

#### **A few are included below:**

1. **Prof. Doke** was topper in University of Pune at M.Sc. Statistics in 1982. Currently he is working as Vice Principal at Vile Parle College, Mumbai.
2. **Deo Sumedha**: First rank at University of Pune in 2002 in statistics and passed SET examination.
3. **Gajmal Kalyani**: First rank in science faculty at B.Sc. at University of Pune in 2004.
4. **Pokharkar Yogesh**: First rank in T.Y.B.Sc. at Modern College of Pune -05 in 2009.
5. **Medhekar Anagha**: Published a text book in Mathematics for D.Ed. classes in 2016.
6. **Shilpa Jadhav**: Published a novel "नभापल्याडचं सपान".
7. **Potnis C.E.**: Completed M.Sc. from IIT Powai, Mumbai Received exemplary Industrialist award in 2014. Published a book "Road to Success", Multiversity publications.
8. **Payas Santosh**: Received presidential medal for best Census work in 2011.
9. **Gaikwad Kirti**: Completed M.Sc. from IIT Powai, Mumbai. Cleared Indian Statistical Services examination of UPSC and appointed as Deputy. Director and passed SET examination.
10. **Dr. Gurav Ranjendra**: Received Ph. D. degree in 2015.
11. **Sujata Iyyer, Jayant Mhetre** are statistical officers in Bureau of Economics and Statistics, Government of Maharashtra.
12. **Shubha Rao, Anajli Bembelkar** are programmers at National Information Centre (NIC) Pune.
13. **Ms. Yogini Hatwalane** participated in Avishkar and was selected for next round.

#### **Past Students worked abroad:**

Number of past students Ms. Yogini Limaye, Shrikant Iyyer (USA), Girish Desai (Atlanta), Varsha Ganu (London), Milind Shaligram (Australia), Prashant Vaidya (USA), Datta Mandale (Dubai) are working abroad.

There are two phases in the history of department. The first phase is up to year 2000 and second is after 2000. In the second phase, the department is more dynamic and vibrant; several activities such as



quiz, project competition, camps, workshops, Statistics Fest were conducted under the leadership of Dr. P. G. Dixit.

Dr. Vidya Prayag took voluntary retirement in July 2005 and she joined CYTEL Statistical software Pune.

#### **M.Sc. (Statistics) Course:**

In the year 2009, department started Post Graduate course at college level. It is the first department in Maharashtra to start Post Graduate course. It catered to the need of society. Many meritorious students aspiring for the course of M.Sc. were not getting admission to M.Sc. at University of Pune due to limited seats. Department has successfully run M.Sc. course with a good intake of meritorious students. The passed out students acquired good jobs in different fields. Particularly students got absorbed in IT field.

We are highly grateful to Dr. G. B. Marathe, Prof. P. S. Chirputkar, Dr. A.P. Gore and Dr. G. R. Ekbote (Chairman, *Progressive Education Society*), Principal, Dr. R. S. Zunjarrao for strongly supporting and helping to start M.Sc. course. In a short while the course has attained high standards and was appreciated by many students and parents. Statistics Department of Savitribai Phule Pune University had also helped a lot in establishing the M.Sc. Course.

Dr. G. B. Marathe, Dr. M. S. Prasad, Dr. S. G. Purohit, Dr. S. S. Deo Dr. S. R. Deshmukh worked as visiting faculty and strengthened the teaching activity. Later on Mr. M. S. Kotkar, Dr. Shalini Teke, Dr. Rupali Kanade, Prof. M. S. Kasture, Prof. A. R. Darekar, have also worked as visiting faculty.

Mr. Ajay Sathe Dr. A. P. Gore, Dr. V. R. Prayag and Dr. S.A. Paranjape (From CYTEL Statistical Software Services, Pune) favored and encouraged us by providing placements and scholarships to students.

The department is privileged to have autonomy for examination under section 125 of examinations under Pune University (Now Savitribai Phule Pune University).

We take initiative in curriculum development of post graduation course.

Department has organized number of workshops and seminars from the year 2001 onwards.

#### **International Statistics Year:**

The year 2013 was the **International Statistics Year**. The department had organized a number of programs during this year. A souvenir in the form of desk calendar containing the information of top 12 statisticians about their valuable research contribution was released. In January the information about Karl Pearson is given, in the subsequent months. We included information about Weibull, R. A. Fisher, P. C. Mahalanobis, Jerzy Neyman, R. C. Bose, Abraham Wald, A.N. Kolmogorov, P. V. Sukhatme, C. R. Rao, D. R. Cox. December has information about Genchi Taguchi. The order of inclusion of statisticians is according to their birth dates. It is widely circulated among colleges and Universities all over India. It was appreciated very much by the users. It is preserved by many people as a historical document.

To know the recent developments in the field of Statistics, the department has taken initiatives to organize workshops. Whenever new courses and topics were included in the syllabi, the department conducted workshops and prepared study material for staff and students. The study material on topics MS EXCEL, Statistical Ecology, Medical Statistics, Reliability and Survival analysis was prepared by staff members during the workshop.

Another **milestone** in the development of the department was to introduce Statistical Software. Use of MS EXCEL in completing the practicals was started in the year 2001. The department has conducted workshops to give training to staff to introduce MS EXCEL in the practicals to be conducted for F.Y. B.Sc. Later on, it was continued for S.Y. B.Sc. and T.Y. B.Sc. To conduct practical examinations, staff members in



the department prepared practical slips on the behalf of the University. It was advantageous to students in developing computational tools.

**Workshops organized:**

Year	Name of the workshop/ seminar
2001	MS EXCEL
2005	State level workshop on 'Statistical Ecology'
2007	National workshop on 'Recent trends in Statistics'
2009	Five days Refresher Training on Biostatistics for ISS
2010	National Workshop on Medical Statistics and Clinical Trials (Dr. P. V. Sukhatme Birth centenary memorial)
2012	National Workshop on Careers in Statistics (International Statistics Year)
2013	Workshop on revision of M.Sc. I Sem I and II (Choice based credit system) syllabi
2014	Workshop on revision of M.Sc. Statistics II Sem III and IV (Choice based credit system) syllabi
2014	Workshop on revision of T. Y. B.Com. Syllabi
2015	State level workshop on 'Survival and Reliability Analysis'

**Guest Lectures:** Department regularly arranges lectures of eminent persons in the field of statistics on various occasions such as National Statistics day, Dr. P. V. Sukhatme birth anniversary, Late Dr. M.B.Kulkarni memorial lecture, Statistics Fest.

**The following are the names of speakers:**

Professors from Savitribai Phule Pune University	Professors from other Universities	Professionals / Reputed Organizations
	Dr. J. K. Wani (Canada)	Dr. Narendra Jadhav (VC, PU)
Dr. S. R. Adake	Dr. M.N. Deshpande , (Inst. of Science, Nagpur)	Dr. S.B. Nimase (VC, SRTM, Nanded)
Dr. B. K. Kale	Dr Madhav Gadgil, (Agharkar Research Institute)	Dr . Narkhede Vijay (Jt. Director)
Dr. A. P. Gore	Dr. Rattihalli R. N., (Sh.U, Kolhapur)	Dr. Pandit Vidyasagar (Director BCUD)
Dr. M. S. Prasad	Dr. Waman H.J. (Banglore),	Dr. Palanichami (Chennai)
Dr. S. Kunte	Dr. H. V. Kulkarni (Sh.U Kolhapur)	Dr. V.V. Gaikwad (Dean , Science Faculty)
Dr. M. B. Rajarshi	Dr. D. T. Shirke, (ShU, Kolhapur)	Dr. Anand Patki (ISRO)
Dr. G.B. Marathe	Dr. D. N. Kashid (Sh.U Kolhapur)	Dr. Nayana Nimkar (Director BCUD)
Dr. J. V. Deshpande	Dr. Sakate (Sh.U Kolhapur)	Dr. K.C.Mohite (Dean)
Dr. A. D. Dharmadhikari	Dr. V. B. Ghute (SU Kolhapur)	Dr. Kavita Laghate (Director Jamanalal Bajaj Institute, Mumbai )
Dr. S. G. Purohit	Dr. L B Thakur (Dr. B. A. M U.)	Dr. Pandit Shelke ( Director SPPU)



Dr. S. S. Deo	Dr. B. V. Dandra (Gulbarga)	Dr. Chitra Lele (SCIFORMIX)
Dr. A. V. Kharshikar	Prof. Mahajan (M.P.K.V., Rahuri)	Mr. Ajay Sathe (President CYTEL)
Dr. S. R. Deshmukh	Dr. Deshmukh V.D M.P.K.V., Rahuri)	Dr. Asish Sengupta (ISI, Kolkatta)
Dr. Ramnathan	Dr. Karreppa (M.P.K.V., Rahuri)	Mr. S. B. Deo (Kirloskar Oil Engine Ltd.)
Dr. D. D. Hangal,	Dr. Milind Watve (IISER)	Dr. J. V. Tatake ( Hindustan Antibiotic, Pune)
Dr. M. P. Gadre,	Dr. K. Jayaraman ( K F R I., Kerala)	Dr. Kunjir ( Chief Statistician Maharashtra)
Dr. Mohan Kale	Dr. Ashok Shanbhogue, (Anand, Gujarat)	Mr. Maiti (NSSTA)
Dr. Akanksha Kashikar	Dr. V. V. Kulkarni ( Bharati Vidyapeeth)	Omkareshwar Parasad (Govt. of Maharashtra)
Dr. Madhavi Kulkarni	Dr. Sudhir Kulkarni ( Botswana)	Mr. H. N. Patil (MSRTC)
<b>NSSO officers</b>	Mr. Mulgund Shriram (Actuary Toronto Canada)	Mr. Santosh Payas (Census)
Mr. Khopkar (NSSO)	<b>ISS officers</b>	Dr. Ashwini Kulkarni (IIITM ,Pune)
Dr Parmeshwaran	Ms. Ambika Ananad	Col. Dilip Pande
Mr. Malik	Mr. Amol Jadeja	Ms. Sanhita Yevalekar (CYTEL)
<b>Professors from other colleges</b>	Mr. Kamal Pande	Dr. V.R. Prayag (CYTEL)
Prof, Kakade V.C. ( T.C. Baramati)	Ms.Kirti Gaikwad	Mr. Nitin Pawar, (Tech Mahindra)
Dr. M.B. Kulkarni (Nasik)	Sri Susmit	Mr. Akash Rugani (Ultra Max ),
Prof. M.S. Kasture (NASC, Ahemadnagar)	Mr. Rahul Jagtap	Ms. Dipti Pujari (Finstat),
Prof. A. R. Darekar (A G , Pune)	Dr. Sonawane H.N. (Bureau of Ec. Stat.)	Mr. Tanmay Chandresa (E-solve)
Prof. A.S. Prabhu (Fergusson College)	Mr. Ashok Kapre (DSO)	Dr. Ketkar ( Chinchwad)
		Mr. Hemant Urdhaveshe (Six Sigma)
		Mr. Nandu Phadake (TATA Motors)
		Dr. S. R. Kulkarni (Crane Software)
		Ms. Gauri Gawate (Geometric Software)
		Ms. Priti Pandhu, (Data Science Lab)

**Staff worked as Resource Person:**

Dr. P.G. Dxit, Dr. V.R. Prayag, Dr. A. A. Dharmadhikari, Dr. Manisha Sane, Dr.A. T. Kamble worked as a resource person in various seminars, symposium, Refreshers Courses conducted at various places in Maharashtra state (Kolhapur, Mumbai, Satara, Nanded, Amalner, Dhule, Pandharpur, Ahemadnagar, Nasik,



Baramati) and also outside Maharashtra at the places Belgum Lukhnow, Gadwal, Cochin, Raipur and Kolkata.

Dr. P.G. Dixit, Dr. V. R. Prayag worked as contributory teachers at University of Pune, Institution of Engineers, Dhondu Mama Sathe Homeopathic College, Bharati Vidyapeeth, National Insurance Academy.

Dr. P. G. Dixit delivered lectures on Personality development and National Integration at various National Service Scheme camps conducted by different colleges.

#### **Consultancy:**

The staff members in the department help the researchers in designing questionnaires, data analysis as and when required.

#### **Pune University Statistics Association (PUSA) Activities:**

Department has pioneered different student activities

1. Residential camp for students of Statistics for personality development.
2. Quiz.
3. Project competition.

During the year 1999, the strength of T.Y. B.Sc. was dropped down drastically due to the introduction of popular courses Computer Science, Electronics etc. Government of Maharashtra was seriously thinking of merging of the colleges. Department has taken initiative against the merging. PUSA activities made the subject popular among the students and strength was increased slowly. Later on, we gave admissions on the basis of merit.

CYTEL Statistical software Company, Sciformix, TCS, TATA motors, Premier Biotech, E- solve and Tech-knit gave an employment to passed out students. Dr. G. B. Marathe, Dr. M. S. Parasd, Dr. A. P. Gore, Dr. S. S. Deo encouraged and helped us in bringing the post graduate course up to certain a level and in organizing in various workshops.

CYTEL Statistical Software Company and Mr. C. E. Potnis have also provided scholarships to needy students of Statistics to pursue their education.

Dr. P. G. Dixit, Dr. A. A. Dharmadhikari, Dr. V. R. Prayag completed several major and minor research projects funded by UGC.

Prof. P. S. Kapre is working in major research project on "Emotional Intelligence" sponsored by Indian Council of Social Science Research (ICSSR). It is in collaboration with Psychology Department of Modern College, Pune -05. Prof. P.S. Chirputkar contributed a lot in project.

Following staff members received different awards for sincere work and efforts in their career.

Dr. P. G. Dixit received the following awards.

- 1) The best N.S.S. officer award at University level (1995).
- 2) The best teacher award by Pune Municipal Corporation (2000).
- 3) Dr. Manibhai Desai Best Teacher Award on Gandhi Jayanti, 2<sup>nd</sup> Oct.2009.

Prof. P.S. Kapre received the best teacher award by *Progressive Education Society* in the 2015.

Prof.P.S. Kapre is also working as a Nodal Officer.

We are proud of our non teaching staff for their achievements.

Ms. Salunke M.P. (Lab attendant) received the following prizes

1. Best non teaching staff award in 2008 by Pune University.



## 2. Award for social work by Bhagini Nivedita Pratishthan ,Pune

Department has received substantial funds under DIST-FIST, BSR due to CPE status of college during the year 2013-14. Departmental laboratory, staff room etc. were renovated. The total expenditure was around Rs.10 lakhs. LCD projectors were mounted in two classrooms and departmental laboratory. There are 15 desktops connected with 3 printers in LAN. Internet connection is available to the students which are treated as another **milestone** in the development of the department. The grants were also utilized to print Statistical tables which are required frequently during practicals and theory. The department was illuminated with LED tube lights as an attempt for energy conservation. Later on during the years 2015-16 a laboratory is enhanced with 18 laptops costing approximately Rs.5 lakhs with updated software and with batteries back up. This facility is beneficial for students to complete the practicals for the entire class. Thus, the laboratory is utilized as laboratory cum classroom. It helped to teach free domain R software. The space and money is used optimally.

An add-on course SAS software training was started from 2013-14. Add on course of Biostatistics is conducted on need basis.

Meritorious students are felicitated from time to time by giving text books and sponsored prizes. There are in all 8 prizes sponsored by well wishers.

1. V.R. Dhongade Prize (Topper in F.Y. B.Sc.).
2. V.R. Prayag Prize (Deserving and needy student of T.Y. B.Sc.).
3. Indirabai Chirputkar Prize (Topper in Statistics at S.Y. B.Sc. and S.Y.B.Com.).
4. Nirmala Potnis Prize (Topper in Statistics at T.Y. B.Sc. and T.Y. B.Com.).
5. P.G. Dixit Prize (Topper in M.Sc. Statistics I and II).
6. U.P. Dixit Prize (Topper in M.Sc. Statistics first year).

### **Association with Central Government of India:**

**National Statistical Systems and Training Academy (NSSTA):** Prof. P. G. Dixit got an opportunity to complete the first, one week training programme arranged for post graduate teachers. It is a pride moment for all of us that 6 of our M.Sc. students got an opportunity to complete one week training programme for the students to introduce the functioning of Ministry of Statistics and Programme Implementation.

A notable activity "Refresher course for ISS officers" was conducted by the department with the help **National Statistical Systems and Training Academy (NSSTA)** Delhi. It was a unique activity of its kind in the history of department. Dr. A.P. Gore and Late Dr. M.B. Kukarni were instrumental in making the activity successful. It was funded by Government of India.

### **National Sample Survey Office (NSSO):**

National Sample Survey Office gave an opportunity to several of our post graduate students to work under internship programme every year from 2010 onwards. Dr. P. G. Dixit regularly visits National Sample Survey Office as a resource person on various occasions. Students used the data sets of National Sample Survey Office for their projects.

### **Study Tours:**

Department has organized study tours to know the applications of Statistics in various fields. Visits were arranged at the following places.



Agriculture College Pune, Mahatma Phule Krishi Vidypeeth, Rahuri, International Institute of Population sciences, Devanar, Mumbai, IIT Powai, Mumbai, IITM, Pune, Kirloskar Oil Engine, Kirkee, TATA Motors Pimpri, CYTEL, NSSO.

Students also attended various seminars and symposia held at CYTEL Software, Pune Hislop College, Nagpur, Institute of Science Nagpur, Kisanveer College Vai, SEARCH Foundation, Gadchiroli, National Sample Survey Office, Government College of Arts, Science, Aurangabad.

#### **Silver Jubilee Year:**

A grand silver jubilee function was organized on 15<sup>th</sup> August 2004.

Prof. P.S. Chirputkar, former Principal and Head of Statistics department was felicitated at the hands of the students of first batch as a token of love and respect. The entire function was memorable. The past students expressed their love respect for the staff.

This nostalgic occasion was shared by everyone. Some students expressed that mere words are not sufficient to express the feelings. They expressed gratitude and asked for blessings. Some past students abroad contacted us on phone while some sent letters expressing their feelings as to how college and department had played an important role in their career building. Mr. Sunil Dadhe (I.A.S.) sent e mail. Mr. Sadanand Date (ACP) visited and wished best luck to the department a few days before the function.

Past students who could not remain present for the function, visited the department afterwards and said that they had missed a lot.

Principal A.G. Gosavi appreciated the significant progress made by the department. Prof. P. S. Chirputkar expressed his feelings of satisfaction and happiness due to this wonderful gathering. He guided the audience.

Such gettogether of present and past students will be helpful to the department in its further growth. The common feeling every past student was expressing was that the positions achieved by them were due to the help and guidance given by staff. Further they also suggested to organize of gettogether every year and hoped that golden jubilee function would be conducted with same enthusiasm. Students collected some funds for the development of the Department. A separate bank account was also opened for the same.

#### **Institution Social Responsibilities:**

Dr. P.G. Dixit is a trustee of the NGO Students' Welfare Association, Shivajinagar, Pune from the year 2013 till date. He is also Secretary of advisory committee of Students' Welfare Association, Shivajinagar, Pune. He was member of executive council of a NGO Schizophrenia Awareness Association (SAA), Pune from the year 2013 to 2016

We are thankful to Dr. G. R. Ekbote (Chairman, *Progressive Education Society*, Pune), Prof. Raykar S. R. Dr. Pande A. K., Prof. G. P. Gaikwad, Dr. Chinchore J. P., Prof. Deshmukh S. S. (Secretary *Progressive Education Society*, Pune), Prof. Gambhir S. Y., Prof. Gosavi A. G., Prof. Chirputkar P. S., Dr. R. S. Zunjarrao (Principal, Modern College, Pune-5) for constant support and help in the progress of Department.



## Department of Mathematics

The *Progressive Education Society's* Modern College of Arts, Science and Commerce, Shivajinagar, Pune-5 was started by the initiative of Tatake sir in June 1970. Prof. Limaye was first Principal of the college. For the first ten years, there was a combined department of Mathematics and Statistics, headed by Prof. P.S. Chirputkar. Department of Mathematics started functioning independently in 1981 and Prof. C.G. Kulkarni was first head of the Department. Prof. Pramila P. Chikate became head of the Department after the voluntary retirement of Prof. C.G. Kulkarni in June 1989. After the retirement of Prof. Pramila P. Chikate, Prof. A. V. Rayarikar had the opportunity to shoulder the responsibility of head of the Department in 2004. Prof. A. V. Rayarikar got retired in 2010 and Prof. D. S. Mane remains head of the Department till 2014. Dr. A. N. Bhavale is appointed as the head of Department of Mathematics since 2015. From the academic year 2014-2015, the Department has started Post-Graduate Course (M.Sc.) in Mathematics. There are in all seven staff members working on full time basis at UG level and around eight staff member working on CHB at PG level, in the Department.

The Department is famous for its highly qualified, knowledgeable staff and their teaching. Due to this, a large number of students opt for Mathematics as the major. Though there is overwhelming response to the T.Y.B.Sc. (Mathematics) and M.Sc. Mathematics class year after the year, the Department has to restrict the intake to **60**. The admissions are strictly given on the basis of the student's merit and the university rules.

The Department is actively involved in the research also. Prof. Pramila P. Chikate along with Dr. N.H. Mahajan had completed a minor research project. Dr. A. N. Bhavale also successfully completed a minor research project during 2009-2011 and he has presented **12** research papers in various conferences at state, national and international level. Dr. A. N. Bhavale received **Best Research Paper award "IMS-2005"** in *Discrete Mathematics* in 71<sup>st</sup> Annual Conference of Indian Mathematical Society (**IMS**) held at Indian Institute of Technology (**IIT**), **Roorkee** in 2005. He also has delivered an **invited talk** in 79<sup>th</sup> Annual Conference of **IMS** held at Rajagiri School of Engineering and Technology, Cochin, **Kerala** in 2013.

Prof. P.V. Gadagkar and Prof. P. M. Dastane are presently pursuing their Ph.D. They have also presented a research paper individually.

Almost all the staff members are authors of several text books. Prof. C.G. Kulkarni has written around **35** text books. Prof. A.V. Rayarikar co-authored more than **22** text books. Dr. N.H. Mahajan authored "Design and Analysis of Algorithm" in 2006. Dr A. N. Bhavale co-authored three books, viz. **Mathematics for Pharmacy students (EPH, 2004) (ISBN -8176601241)**, **Mathematics and Statistical methods for Biologists (Nirali, 2009)** and **Mathematics and Statistics (Std. XII, Arts & Science, Part-I) (Maharashtra State Board of Secondary and Higher Secondary Education, Pune, 2010)**.

Prof. Pramila P. Chikate and also Prof. A. V. Rayarikar were a member of BOS (Mathematics) and Science Faculty, University of Pune. The Department had organized two workshops for university teachers, on "Scilab" in 2010-11 and on "Fuzzy logic" in 2011-12. The staff members take active part in syllabus restructuring workshops organized by BOS (Mathematics), SPPU. The staff members are encouraged and allowed to participate in the Refresher and Orientation Programs.

The Department celebrates 'Mathematics Day' every year. The Department conducts Remedial Coaching for the students who are weak in their academics. The teachers consistently encourage the students to participate in various competitions like Madhava Mathematics Competition, Seminar Competition, Project Competition, etc. Guest lectures by renowned professors of Mathematics like Shri. M. Prakash, Dr. B. N. Waphare, etc. were arranged regularly.



The Department is rich in alumni. Our past students are working in various fields like I.T. industries, Pvt. Jobs, Govt. jobs, Research Institutes, Schools, Colleges, etc. A number of students are also working abroad. To list a few,

1. Shri. Basanner – Senior Scientific Officer, D.R.D.O.
2. Shri. Sadanand Date – A.C.P.
3. Shri. Sunil Dadhe – I.A.S.
4. Shri. Oswal – C.A.
5. Shri. Sanjay Deshpande – Owner, Chaitanya Software Laboratory.
6. Shri. Vijayendra Patil – Animation.
7. Shri. Vijay Deshpande – Senior Officer, Telephone Exchange, Pune.
8. Mr. Devendra Shirolkar – Cybage Software.
9. Dr. Swanand Khare – Post Doctoral Fellow, University of Alberta.
10. Dr. Sameer Chavan – Faculty in IIT Kanpur.
11. Dr Mrs. Smruti Mane – Faculty in D. Y. Patil College, Pune.
12. Prof. Mrs. Anita Watekar – Faculty in A. Garaware College, Pune.



## Department of Geography

Geography is the subject of special interest of students. In our college, teaching of the subject was started since June 1970 at general level for undergraduate students.

This department was pioneered by late. Dr. P. D. Apte. He was the first head of the department. At the special level, this subject was started since June 1975 with a batch of 15 students. Prof. G. B. Nalole and Prof. S. D. Nalhade were the hands of Dr. Apte to shape with the department.

Initially, department was started in a small area of 600 sq. feet. All necessary furniture, maps and other material were available for the students. Late Dr. P. D. Apte pioneered the development of department in right direction with a consistent pace. Due to his vision, our department became renowned in the University of Pune (SSPU).

Prof. G. B. Nalole and Prof. S. D. Nalhade left the department for better prospects in 1978. Later Prof. W.R. Ahirrao, Prof. N. P. Karkhanis (Dr. N. J. Kulkarni) and Prof. L. R. Veigas joined the department.

Initially, this subject was started only for Arts faculty at special level and for F.Y.B.Com. as optional subject. Then it was started for F.Y.B.Sc. since June 1976 and later for S.Y.B.Sc. Since June 1980, Geography is optional subject for XI<sup>th</sup> and XII<sup>th</sup> Arts and Science.

In June 1992, the subject was started for Post Graduation level, with 10 students. It was the third centre of PG Geography in Pune City. During this development department was shifted in large area of 1200 sq. feet with 2 PG labs, 1 UG lab. Population Geography stream was selected for specialization. During this period department was well equipped, academically rich.

From June, 2004 till date Dr. Nayana Kulkarni is the Head. She is past student of the department from first batch 1975-76. In June, 2005 department was shifted at new place of 1800 sq. feet. area with three well equipped laboratories. Department Library was started with 366 books. Small reading hall is available for the students. Now department has Internet facility with 12 computers, GIS Certificate Course is commencing from current academic year. GIS Lab is established. Travel and Tourism Certificate Course is in planning.

"Vasundhara Manch" is the students' club that conducts many academic and extracurricular activities. The club which provides creative academic environment to the students that can quench their curiosity beyond formal syllabus. Photographic Competition of various geographical features is the specialty of "Vasundhara Manch". Film show for Geographical phenomena is arranged by the department.

Study tours and village surveys are arranged by department in every semester. These are conducted outside Maharashtra in states of Kerela, Goa, Tamil Nadu. Survey reports are prepared by the student. Exhibitions are arranged to give wide scope to the students for their creativity and implementation of knowledge.

Department has a history of organizing workshops, seminars and study tours. Many eminent persons from field of Geography are linked to the department and have delivered lectures to the students. Staff and students attend various seminars and workshops to enrich their knowledge.

Academic environment in the department is conducive and provides a wide exposure to the students. We also pay attention towards the personality development of the students. We focus to shape up not only Geographers but best Citizen of India.

Our students have successfully marked their careers in academics as researchers nationally as well as internationally. Many are high level officers in administration, police department and other government services.



We are bounded by the mission statement of our *Progressive Education Society* and perform our best to achieve it.

Our department has been a key participant in the college administration. Former head late Shri. Dr. P.D. Apte was Principal of the college. Currently Dr. Nayana Kulkarni is Vice-Principal for Senior Wing Arts faculty.

We are proud of our history working for sound present and hope for a bright future.

- Dr. Nayana J. Kulkarni, H.O.D., Geography



## Department of Economics

During the first academic year of the college (1970-71), first two years in Arts and Commerce i.e. Pre – degree and F Y in Arts and P D and F Y in Commerce were started. At P D Arts & Commerce, there was one paper each in Economics and another paper in Business & Finance. In keeping with the then existing norms, 3 periods per paper were required and 15 periods per week was the maximum work-load for a full time lecturer. So far, the first academic year, the total workload of the department was 12 lectures. Only one person i.e. Prof. A. L. Pathre was appointed as Lecturer in Economics. Prof. M. S. Mahajan was appointed as H O D of Economics in year 1971. Second year classes were started in 1971-72. Next year (1972-73) marked the beginning of a full-pledged Modern College! This year also witnessed the beginning of Economics (Special) at B.A. and recognition to Prof Mahajan as a Research Guide by the Pune University.

At the S.Y.B.A. there were two papers: Principles of Economics (Paper I-Micro & Paper II-Macro) at general level. For T.Y.B.A. there were two papers of Indian Economy, one paper of Economic History and one of History Economic Thought. By the end of 1975-76, we had two divisions each from P D Com to T.Y.B.Com. and one each from P D Arts to T.Y.B.A. During this phase of expansion, Prof. R. B. Shaha and Prof. Mrs. Vineeta Kulkarni joined the department. Prof. Miss Vasundhara Hirday joined the team at senior college Next to join us were Ms Sandhya Vartak, Ms Dhonsale and Ms Gharpure. A note-worthy feature during the initial period was that two colleagues who did not have adequate workload in their own respective subjects viz. Political Science and History, contributed by teaching to F Y Arts & Com. classes (since they were qualified to teach to undergraduates only). They were Prof. S. N. Navalgundkar and Prof M. A. Kulkarni.

In 1971, Prof Mukund Mahajan was appointed as a Chairman of Planning Forum as well as Commerce Association. Shri Mohan Dharia, who was Minister for Planning at the Centre, inaugurated the launch of the Planning Forum during the plan week scheduled in September. This was followed by activities like essay competition, debating competition sponsored by Forum of Free Enterprises etc.

Under the Joint aegis of Planning Forum & Commerce Association, a handwritten weekly wall bulletin was launched under the heading MOM (short for Modern Mahavidyalay). Prof Raykar, Prof Bhimrao Kulkarni and Mrs Vanarase were associated as members of the Advisory, besides Prin. M.B.Limaye. Everything connected with MOM, including reports of activities, short articles, actual writing in a presentable form and illustrations, was handled by students spontaneously and enthusiastically. For years on, this activity earned a name for its punctuality and involvement of students.

The year 1972 was the Silver Jubilee Year of Indian Independence. As a part of celebrating the event, an exhibition entitled 'India's March Forward' was organized. Conceptualised and supervised by Prof Mukund Mahajan, a team of over 10 students worked for 10-12 hours everyday for two weeks. They were provided with drawing papers, colors etc. They created posters showing the progress made by India in various sectors of the economy. Each poster was based on authentic statistical data but presented in a pictorial/ photographic/ cartoon form, to make it interesting to watch. These posters displayed in two rows each on three walls of a classroom, fully occupied three large class rooms. A couple of examples would be illustrative. Under the head 'holding the price-line', a rising price-line was drawn to which the man was hanging with both hands and his wife and a kid were looking up in agonized amazement. Progress of rural electrification was shown by lighted and dark thatched huts with inmates laughing and groping in darkness respectively. This exhibition was widely appreciated by academics as well as print media.

Another very important and very regular activity was launched in 1973-74 and continued up to 1981-



82. This was called 'speech workshop,' under which students interested in developing oratory and debating skills were assembled voluntarily, in a class-room, every Tuesday at 10:40 am. They were given a topic-some current economic issues- a week in advance. Each speaker was subjected to peer assessment. For enhancing skills in elocution, a sectional library was created comprising of collection of speeches by Dr. Radhakrishnan, Mahatma Gandhi, Jawaharlal Nehru, Dr. Ambedkar, and V. K. Krishna Menon and in Marathi, by Acharya Atre, Datto Waman Potdar and so on. Just one example: Miss Yashodhara Bhalerao (then S.Y. B. Com. student) who actively took part in this workshop, within a year represented Pune University at Inter University Elocution Competition at Lucknow and got first prize. She said, she had hardly opened her mouth earlier and gave full credit to our speech workshop. Many such success stories can be cited where the department of Economics has won laurels for the Modern College and served to enhance the academic reputation of the college.

After the retirement of Dr. Mahajan Sir, Dr Ashok Pathre became the Head of the Department. He was also the Vice Principal of Arts and Commerce faculty for another 10 years. He did a lot of work in Research like writing research papers, organizing conferences and research projects. Later Prof. Mrs. Vinita Kulkarni became the HOD and successfully worked for the department.

In the year 2008, Dr Mrs Satam became the HOD. In 2009-10 the PG course, MA Economics was started in the department and later in the year 2012-13 the PG Research centre in Economics was approved by SPPU with two in house PhD guides Dr M.M. Satam and Dr. Abhay Shende who is a post doctorate in Economics. The department of Economics has been expanded from UG to PG and PG Research as follows-

Sr. No.		Wing	Courses Offered
1	1970-1973	Senior Wing	B. A. – Special Economics B.Com – Business Economics, Banking and Finance
2	1973-2008	Post Graduate Wing	M.A. – Special Economics ( 4 semesters- 16 papers) M.Com – Industrial Economics, Global Industrial Environment
3	2012-13	PhD	Ph. D Research Centre in Economics from Dec 2013
4	2009-10	Post Graduate Diploma	Post Graduate Diploma in Foreign Trade, Post Graduate Diploma in Banking and Finance

The following are the members of the department now -

Sr. No.	Name	Qualification	Designation	No. of Years of Experience
1	Dr. M. M. Satam	M.A. M.Phil. PhD., MBS(HR)	HOD Associate Professor	32 years
2	Dr. A. H. Shende	M.A. PhD. Post Doctorate, NET, SET	Associate Professor	20 years
3	Dr. S. S. Deshmukh	M.A. Ph.D. SET	Asst. Professor	15 years
4	Mrs. S. A. Vartak	M.A., M.Phil. SET	Asst. Professor	27 years
5	Ms. Padmashri Mujumdar	M.A., M.Phil. SET	Asst. Professor	15yrs
6	Mrs. Jayshree P. Nambiar	M.A. M. Phil	Asst. Professor	8 yrs
7.	Mrs. Philomina Savitha	M.A. SET	Asst. Professor	3yrs



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There are visiting faculties for extra guidance to students. Many professionals from the Banking sector have been guiding the students throughout. The department organizes many activities for the students and teachers like Conferences, Exhibitions, Research activities, etc. Many conferences have been attended and organized by the department members. 'Planning Forum' is an association of members and students participating in various activities like Elocution Competition, Quiz competition, Essay writing, Paper presentation, etc. Our student Miss Sayani Biswas participated in Research Competition, AVISHKAR 2015 organized by SPPU and got second prize at state level. The department has its own Research Journal called **RESECO** with an ISSN no: 2395-6860, Vol-I. The second volume will be published in Oct 2016. The Department is progressing and growing.



## Department of Psychology

The department was established in the year 1971 under the able guidance of Dr. Sharmala Vanarase who served as its head until 1979. She is a industrial Psychologist. She was also associated with Marathi theater. Mrs. Sudha shaligram who served as its head until 1998. Mrs. Shaligram was a member of BOS in Psychology and wrote text books. Another staff member – Mrs. Asha Parulekar, renowned author joined in Feb 2008. She wrote more than 50 books. Currently, the department is under the dynamic leadership of Dr. Amruta Oke.

In 2005, English medium division of U.G. was approved by the SPPU. Thus, additional division of English medium students was started in the department. Another landmark was the establishment of the post graduate department in 2006. Ours is the first college in pune to offer specialization on counseling psychology. A new specialization of clinical psychology has been initiated from 2009. Because of the overwhelming response of P.G. course college has decided to start 2<sup>nd</sup> division of M.A. Psychology, since 2010 this 2<sup>nd</sup> division is also running successfully.

At present following courses are taught in the department.

**Graduate wing** – F.Y., S.Y. and T.Y.B.A. General and special level in English & Marathi medium.

**Post Graduate wing** – M.A. (part-I & part-II) two divisions counseling and clinical psychology.

In 1991, the department took initiative of starting Counseling Centre. The centre provides psychological assistance to students, non-teaching and teaching staff of modern college. In 2012, department has purchased softwares for aptitude testing under the CPE scheme of UGC. Along with personal, emotional problems, career counseling is provided by expert counselors.

Department has a history of organizing workshop and seminars. Department organized seminars on मराठी नाटक आणि मनोविकृती along with department of Marathi, in which famous Marathi writers, actors, directors and psychiatrists were invited. Department organized 2 days workshop on personality Development in Dec 2000 in which experts (e.g., Vijay Tendulkar, Reema Lagoo, Amol Palekar, and Mohan Agashe) from the field of communication, acting, sport, management, public health were invited. Dr. Sandeep Kelkar is a renowned pediatrician and certified trainer in EQ. Sandeep kelkar was the resource person for one day workshop on Emotional Intelligence. 50 students and 25 teachers attended this workshop. 150 Students and 50 teachers from Pune, Narayangaon, Daund, Ahmednagar, Jalgaon, Nandurbar were Participated actively in this workshop. Dr. Heera Adyantaya, a V. C. of Tilak Maharashtra Vidyapeeth inaugurated the workshop presenting development through Arts, Sports, Self-management, Lifestyle and personality are the subthemes of this workshop. SPPU sponsored this activity.

We emphasize on giving our students a dynamic and creative academic environment for their all round personality development.

To nurture their talent department organizes various competitions like essay, debate book review, presentation, quiz etc.

To inculcate the research aptitude, students are encouraged to undertake research project to attend national, international seminars Ph.D vivas. Many of our students have presented papers in conferences and few of them won prizes for best papers.

In 2002, Dr. A. S. Oke undertook a minor research project entitled the status of guidance and counseling centers in Maharashtra sponsored by U.G.C. [Rs. 50000].

In 2015, Amruta Oke undertook a major research project entitled 'Emotional intelligence tool



development, enhancement through training and finding its correlates" sponsored by ICSSR [Rs. 17 Lakhs].

To give students exposure to the field of psychology department organizes study tours and visits atleast twice in a year. To name a few counseling centre at vellore JNU Delhi, Govt. mental hospital Ratnagiri Kaivalyadham yoga institute at lonavala schools for mentally challenged, remand homes, old age homes, rehabilitation centres etc.

To develop professional skills, we conduct certificate courses in graphology, flower remedy, HIV / AIDS counseling on regular basis.

Staff and students of the department are aside to provide services to neighbourhood community we arrange counseling camp in which anybody can get counseling for any charges. This activity is helpful for getting hands on experience of counseling under the guidance of experienced faculty.

The departmental laboratory is set up according to standard norms provided by SPPU. The department has hi-tech facilities like LCD projects, Laptops, Computers with internet facilities, DVD's more than 150 standardized psychological are available in the department more than 50 psychological instruments and apparatus are available for experimentation purpose. A department has maintained a departmental library. The books donated by students and staff are kept in this library.

Psychology film club is another successful activity of the department. In this activity psychological based popular movies were screened, followed by discussion with experts.

The department has maintained good rapport with various mental health institutes in pune and psychology departments of other college and pune university. This reflects in the frequent visits of experts and HOD's to our department.

All these activities and facilities leads towards success of our department. Students from all over the country, as well as students from Iran, Afganistan are interested in taking admission in our department. Our university results are almost 100 % every year. Some of students also secured subject ranks of Pune University at their graduate and post graduate level.

Our department has a setong bonding with alumni. Alumni visits our department regularly, they share their knowledge with students, help in arranging field visits. Our alumni are working in the field of education, human resource, counseling, teaching, training and development and management. Some of them have their own secure for counseling, pre-schooling or soft skill training. They expert their gratitude by donating books or money to the department, our students are doing well in all walk of life like sports, Social work, culture, journalism etc. we feel proud for our students who qualified NET / SET or PET examinations.

The department has a history of excellent placements. Our students are placed in renowned institutions as lectures, trainers, counselors and have proved to be an asset to these institutions.

**- Dr. A.S. Oke, HOD Psychology, Modern College, Pune-5.**



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## Department of Political Science

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The subject of Political Science was introduced in Modern College in the year 1971. In 1978 the subject achieved the status of permanent affiliation. In the beginning, Prof. V. G. Nandedkar was appointed. As this subject is very useful for competitive exams, it has become a favourite among the students, especially those interested in administrative services. Also, the department has become a centre of various activities and co-curricular stuffs.

In the year 1973, Mr. V. G. Nandedkar was awarded a Ph.D for his thesis on "Zila Parishad- Local self Government & development agencies: - an analysis."

In 1974, Mr. Rajendra Vora was appointed. His tenure was full of activities. In the year 1976, department had organised one day seminar on the topic "42<sup>nd</sup> Amendment of the Indian Constitution." A workshop on the topic "Panchayat Raj in Maharashtra" was organised on 16<sup>th</sup> February 1975. He later became Head of the Department of Political Science in Savitribai Phule Pune University (earlier Pune University). His contribution for the subject is well known. He died on 24<sup>th</sup> February 2008.

One of the well known scholars associated with the department after Mr. Rajendra Vora was Prof. Yashwant Sumant. He contributed to the department during 1977 to 1989. Political Science department in Modern achieved its highest peak during his tenure. Wall paper activity and literary organisation are example of many activities started by him. Like Prof. Vora later he also joined Political Science department of Pune University. He died on 11<sup>th</sup> April 2015. Sumant had always concerned for students and tried to solve difficulties they face in understanding the subject.

Prof. S. N. Navalgundkar who worked as the Pro- Vice Chancellor for the year 1987-88 in the Pune University was a part of this department. He was appointed as the Principal in year 1986-87. He was also elected on the Management Council University of Pune. His tenure is also known for different activities. His research article on 'Savarkar's thought on Caste system' was included in the book "Maharashtrati Jatisansthavishayak Vichar" edited by Prof. Yashwant Sumant and Dr. D.D. Punde in the year 1988-89.

In 1988-89 Mr. Sunil Jaysingh Kavade was appointed as a lecturer in the department.

In 1991-92 Mrs. Neeta Bokil was appointed. Now, she heads Political Science department in the H. V. Desai College, Pune.

Since July 1995, Mr. D. L. Khokale has been working in the department. He has completed an orientation course from the University of Pune (now SPPU, Pune) in 1998. Under his headship department conducted several activities. He actively participated in the syllabus re-structuring committee meetings of class FYBA, SYBA and TYBA in the University. He has contributed many times in the Central Assessment Programme (CAP), especially in 2007; he chaired CAP committee for politics special paper first and second Annual examination.

Department has emphasized more on the practical clarification of the topic specially, working of the democracy. A study tour to the Maharashtra Legislative Assembly (Vidhan Sabha) Mumbai was arranged on 11<sup>th</sup> Feb. 2005. Thirty students participated in it. The main objective of the visit was to witness the proceedings of the Legislative Assembly. Students were also interacted with the MLAs.

Department has always supported and guided aspirants of Union and State Civil Services Examination. Department has organised few such guidance lectures series for the same.

In 2011, Department with other Social Sciences in the college organised State Level Seminar on the topic "Research in Social Sciences: Techniques and Trends." Prof. Khokale participated as an Organising Committee member.

The department was a part of the University level seminar on "Current Status and Future Scope of Social Sciences" conducted on 11<sup>th</sup> January 2012.



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## Department of History

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### Introduction:

The department was established in 1970. The eminent Historian Prof. M. A. Kulkarni was the first Head of the department. He taught with his research experience. After his retirement, in 2001 Prof. Dr. Rajesh kulkarni became HOD. Dr. Rajesh kulkarni is University gold medalist & National scholar. Dr. Manda Admane is also a part-time faculty of the History department.

### Cronological Records:

#### Establishment - 1970

**Former HOD** – Prof. M.A. Kulkarni was former head of the department of History during- 1970 to 1999. Then he became Principal of Modern College at Ganesh khind before his retirement.

**New HOD** – In 2001, Prof. Dr. Rajesh kulkarni became HOD. Dr. Rajesh kulkarni is University Gold medalist & National scholar, spiritual – humanitarian persona.

**Meditation Practice** – Oftenly meditation practice offered for students of History special from 2003-04 to present.

**Started English Medium** – 2005.

**NAAC** - Got NAC Acri.- B++ in 2006.

**Seprate Place for Department** – 2010- Includes Economics, Political Studies & History.

**NAAC** - Got NAAC Acri - A in 2010.

**Modi lipi Course** - From 2011.

**Art gallery** –Dr. Rajesh developed art gallery of Lord Budhha's paintings from 2012.

**Authored Reference Books** – Dr. Rajesh authored quality (Sadhanalaya's International norms) reference books from 2012 to 2015.

**ISO 9000 certification** – Got in 2014.

**New place for Department**- 2015 / 16.

**Museum Establishment**- 2014/15.

**Research Project making to build Professional Historians** – Started from 2015.

**Digital Preprations**- Documents, other materials & some services were digitalized from 2015.

**Developement of E-content**- Videos, Audios, E-books, mobile-apps were developed from 2014.

**Sadhanalaya (Private research & innovation misson)** - Established by Dr. Rajesh in 2011. Linked with Modern college students from 2015.

**First online – whats apps course of Sahanalaya on** – Holistic Life Development - introduced from 2016.

**Developments of admission from- 2010 to 2016**



Number of Students

Year	Applied	Select	Male	Female
2010-11	239	168	117	51
2011-12	246	153	91	62
2012-13	282	209	137	72
2013-14	314	255	160	95
2014-15	364	254	144	110
2015-16	378	278	164	114

**Ref- Office Data****Brief summary of Developments in 2001 To 2010:**

Department shared for NAAC programmes. During this period the department worked according to university, UGC-HRD & college guideline. Department Particepated in gathrings, exams related works, activities of various commitees & other programmes.

**Yearwise Historical Track Record of the Department (Duration- 2010 to 2016)****Year - 2010-11**

**Inspiring Thoght Campaign:** The Department had run "Inspiring campaign' on mobiles in Nov 2010. All students of History (Spl), celebs of PuneCity, History club members, Education Institutes chiefs in Pune were inspired by inspriing thoughts of Vivekanada, Mahatma Gandhi, & wellknown Indian Thinkers of India at very early morning on SMS, seven days of Nov-2010.

**Mobiles clips on History-** Dr. Rajesh developed mobile clips about History concepts for students in Dec 2010. Many students were enjoyed this innovative idea of study.

**Published Book on History Enforcenment-** Dr. Rajesh published as a new concept in History. It gives guidance to students about the use of multimedia as enforzenment.

**Seminar organization-** Modern College had oganized a seminar on "Research Trends in Social Sciences". History department participated in the organization as organizer member.

**Guest Leacture-** Dr. Kadam (Pune University) gave a brilliant leacture for students on "Research". Dr. Admane introduced him.

**Veer Savarkar Vyakhyanmala-** The department organized Veer Savarkar *Vyakhyanmala* on 10<sup>th</sup> Feb 2011. Mr. Suyog Tamboli gave a talk on "Attitude & Cutlure". Mr. Gajanan Nerkar, a visiting faculty of commerce introduced him. Students of BBA, BCA, were also invited for this programme. It is 2<sup>nd</sup> year of the *Vyakhyanmala*.

**Particepation in International Seminar-**Dr. Amane particeped in International Seminar at Garware College. She published a research paper on 28/01/2011.

**New Year Calender-** Dr. Rajesh & History students created a beautiful New Year calender of 2011. The new time line design is the speciality of the calender. It is gifted to the Principal & History club members.

**Parshuram Chavan's Measum-**Parushram Cavan,a student of History developed his personal measum. He has collected many coins, sourses, letters, documents, photos, original papers. It is a valuble treasure of History.



**Student's success in state level essay competition-**Shital Gawade (TYBA) & Sonali Kambale – History students got success in state level essay competition. This competition was held in Jan 2011 by Sw. Savarkar Smriti Pratishthan.

**Meditation CD by Dr. Rajesh-** He has created a Meditation CD – “SuryaDhyan” on 12<sup>th</sup> Jan 2011. It is useful to develop inner potential as well as it is useful in warfare times.

#### Year- 2011-12

#### Departmental Activities

- **Poster Design competition:** Poster design Competition for student of various colleges was organized in Dec.2011. The Subject was-“*Atithi Devo Bhava*”.
- **Essay Competition-** The Departmental of History and Politics science jointly organized Essay Competition in Dec.2011.
- **Ravindranath Tagore stories on films-6 DVDs-** The Department of History displayed Gurudev Rabindranath Tagore's (6 DVDs) for students. These DVDs were made by the Ministry of Culture and Information and broadcasting, Government of India in Association with NFDC. Dr. Rajesh also introduced the PPT on Gurudev Rabindranath Tagore's National and Humanitarian contribution.
- **E-Tech (E-class) facility for Student:** Dr. Rajesh introduced E-Tech facility for Student of Modern Indian History. It is useful for Blinds students as well as general student. It is open pen drive which contains syllabus related lectures. It can be attached to TV, computer, laptop, Mobile. It is interactive, easy to use, effective coverage for exams. It also useful for competitive exam student.
- **Career information script for History student:** The department published and distributed Career information script for History student. It is based on Dr. Rajesh's research paper –New career Scope in History studied.
- **Seminar participation:** The department colleague and student participates in the seminar on-“Current Status and Future Scopes in social Science” Dated:11/01/2012
- **Visit to Kashmir Festival:** Kashmir culture festival was organized society at *Shanivar Wada* on 3/2/2012. The History club members visited the festival with Prof. Rajesh. This event expressed the information about Tourism and Culture of Kashmir.
- **Visit to Exhibitions:** The student of history and History –club members visited with Prof. Rajesh the exhibitions related to art, craft and couture such as fair – Krishna Art Gallery on 13/8/2011, NABARD Exhibition on 4/2/2012.
- **NSS – NCC Participation:** Students of History participated in NSS & NCC's various activities.
- **Swine flue Awareness:** Students of History participated for Swine flue Awareness by distributing pamphlets.

#### Student's Contribution:

Parashuram Chavan –TYBA student worked hard for history research and various cultural activities. These activities are:

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



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

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

#### Conferences and Event:

- 1) Department worked as a team member of an organizing committee for a seminar on "Current Science". These seminars were organized by Modern College on 11 Jan. 2012.
- 2) Dr. Rajesh was invited as a Chief Speaker by percept International to convey the subject – "Consciousness studies" on 14 Oct 2011.
- 3) Department worked as a team member of an organizing committee for the international Conference of "Life Science" at Modern College Pune 5. Date –April 2012.
- 4) Dr. Rajesh attended the international Interdisciplinary Conference of History at Garaware College, Pune.

**Subject-** Dr. B. R. Ambedkars Ideology and Socio-Political moments in Asia." Date 1 March to 3 March 2012.

- 5) Attended the state level seminar in Modern college pune -5. Organized by Marathi Department on "Carries in Communication arena" Date-11-12 March 2012.

#### Professional Developments:

- 1) Dr. Rajesh successfully Completed M.A. Communication in First class with Distinction. This Certification is useful to attest mastery on various ways of communication.
- 2) Dr. Rajesh learnt the basics of Urdu and Sufi music in the guindes of *Avialia Biradar*. It is informal but mystical knowledge.
- 3) Dr. Rajesh completed Medical Herbals preparation course. This course is certified by Modern college, pune 5.

#### Articles/ press Releases/ Research Paper Articles:

- *Dhayan Yoga* (17/08/11)- "Neuo Way" - Souvenir.
- *Eshwarashi Bolu Yaa* – for *Shivmudrankan Patrika*.
- The Third Picture- article published in "*Sanvedana*" in Oct 2011.

Research paper / Abstracts / Knowledge sheets-  
-*Etihastil Careeyarcha Navya Sandhi (Marathi)*.

#### Book and Scripts

- 1) *Kaya* – Dr. Rajesh authored a book *Kaya* – the untold Heritage. This book described the mystical yaga kriyas and Meditations. This book has Hindi and English languages (ISBN NO\_978-81-89634-85-8)
- 2) *Varasa* - This is a photo book on the tradition of Yoga Nidara. This book is submitted to YCMOU.

#### Video and audio Creation

The following Video and Audio created by Dr. Rajesh.

- 1) Video –"Mukti"-the wings of freedom (about humanity, freedom and human Right).



- 2) Audio *Shanti dhyana* (A Meditation Audio CD of an ancient Tibetan meditation practice.).

**Work with Corporate World and Entrepreneurs:**

1. **Outline media** – Created video *Shanti Dhyana*. Also working on video *Atma Siddha* (The Marama Video of Yogic war art.)
2. **Assets retailers**- Dr Rajesh supplied some collection of cultural assets as Art painting, Yoga Sculpts, tribal handicrafts, etc. to the assets retailers.
3. **Consultancy for corporate world** – Dr Rajesh gave consultancy of stress management by Dr. Rajesh taught ancient meditation ways for stress management energy healing , Confidence and graceful body languages methods by yoga Sutras to the corporate people

**With Governmental Institute:**

- 1) Visit as a LIC committee members of Pune University  
Dr. Rajesh visited Abeda Inamdar College – Pune as committee member of LIC by Pune University in Sept. 2011
- 2) Diplomacy for Tibetan Government  
Dr. Rajesh is contributing Cultural-humanitarian Diplomacy for Tibetan Government and Tibetan people by creating awareness about Tibetan freedom and Demands of Tibetans people in Young Indian Leaders, business world important people of society, groups and media by correspondence, dialogues, etc.

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

Followings Humanitarian Activities were done by Dr. Rajesh in 2011-2012:

- 1) **Exhibition on Lord Buddha paintings:** Date: 25/12/2011. Venue: *Nalanda Buddha vihar*, S. B. Road Pune.
- 2) **Programs on YogaKatha** – Date: 21/10/2011 and 07/01/2012. Venue: Esh Gruha, Gokhale Marg, Pune-16.
- 3) **Cartoons Exhibition:** Date: 27/12/2012 and 26/01/2012. Venue: *Mitra Mandal Hall*, Model Colony/ Bharat Pratistan /etc places.
- 4) Work for Tibetan refuse and Tibetans freedom movement by supporting Tibetan monks from dharmashala Himachal Pradesh. Date: 13/09/2011.
- 5) **Training sessions attended on Census of India:** Date: 29/09/2011. Venue: Palakar shala, off Modern College, Pune-007.
- 6) Anti Terries work by contributing with Borderless found ration date 11/08/2011 and often Pune office – Prabhat road lane no 08. & Jammu Kashmir office-Kupawada and Shrinagar.
- 7) Worked for poor student by donating educational apparatus: Date: various times. Venue: Wadarwadi/ Dattawadi /Bhopodi slums.
- 8) Humanitarian Work by workshop and gathering on empowerment for poor women / widows. Date: 14/09/2011. Venue Niljyoty, Nr S. B. Road, Pune.
- 9) Helped orphan kids (*mathoshri Anthalay*, Pune): Date 05/01/2012 (and often). Venue: Matoshri Anathalay, Pimple Gurav, Pune.
- 10) Work for cops by creating Meditation Audio- *Shanti dhyana*: Date: 17/11/2011 Venue: Creatation – outline studio / Distribution –to various cops.



- 11) Heritage Assets Collection Dr. Rajesh has collected Heritage Assets such as – Marble Carving and fountains, rare painting, golden coins, sculpture, Decorative items, etc.

#### **Speeches / Talks:**

The following Speeches delivered by Dr. Rajesh

- 1) Sw. Sawarkar Abhyas Mandal- Nashik (28 May 2011)-“*Vigyan aani Samaj*.”
- 2) EshGruha, Pune – Talks with youth on “humanity in new Age” (14 Nov 2011).
- 3) “Youth and Nation Building” – for NavBharat, Karjat, Dist – Raigad (Nov.2011)
- 4) Lotus pagoda – Human Hill Pune “ancient Yogis were artists” (19. Feb. 2012)

#### **Work with NGO and Educational Institutes**

- 1) Dr. Rajesh guides for historical-cultural Knowledge and Meditation in Neuo-Asharam – Pune Center. This year he introduced “Dhyan Yoga course” for students, women and overseas people.
- 2) He worked in Anti-corruption awareness campaign with NEUO-the Humanitarian NGO.

#### **Selection and Award**

Dr. Rajesh was selected a member of Human right Protection Activities on 12 Jan 2012.

#### **Work done by Dr. M.K. Admane:**

##### **1) Judge for Debate Competition:**

Subject- Naxal Movement and its Fearful Aims. Date: 9/2011.

Exclusive organizer- Department of Economic, Modern College Pune-5.

##### **2) Seminar participation:**

Dr. Admane participated in following programs

- Modern college, Ganesh khind. Subject- Ancient Indian Culture, History and Archeology date - 17/12/2012.
- Modern College, Pune, 5 Organizers- Social Science Department, Date: 11/01/2011.
- S.P. College, Pune Submitted Research paper on – *Maratha Historian Dattaraj Balwant Paranis-Vyakti aani Karya*. Date-12 Feb 2011.

- 3) **Speech:** Speech for NSS student – subject “Personality Development”. Date-10/09/2011.

##### **4) Study tours/ Visits with Dr. Priya kulkarni and Students-**

- 1) Deccan College Archive Pune Date: 10/09/2011.
- 2) Etihad Sanshodhan Mandal, Pune Date: 12/08/2011.
- 3) Mahabaleshwar trip Date: 11/11/2011.

##### **5) Cultural Activities -**

Participated in- poster Competition Mehendi Competition Organizer- Art circle, Modern College Pune-5

#### **Personal Contributions:**

- Organizer (free of charge) Regular Pranayama Class at Ganesh Mandir, Indira Shankar Nagari, Paud Road.
- Organizer – Pantanjali Yoga Shibir Venue – Modern College Assembly Hall. Date: 8/8/2011.



- Decelerated prize in the name of Sumitrabai Bhivgave – (for the scholar student of S.Y.B.A). Visited as LIC Committee member.

6) Visited as team member of LIC by Pune University Date -220/01/2012. Venue – G. S. M. College, Yerwada, Pune.

#### External Sr. Senior supervisor

7) Dr. M. K. Admane Worked as External Senior Supervisor in Mamasahab Mohol College, Pune. Date: 20 March to 4 September 2012.

#### Year 2012-13

##### Departmental Activities for Students

- Audio Created for Blind Students.
- History Related film DVDS collection and sharing among the students.
- Collection and sharing of speeches of Great Personalities all over the globe.
- Collected the data for Jobs and concern Careers related to history studies.
- Scanning of Question bank and on demand email facility.
- Students of History particepated in Symboysis's Cultural festival.
- Department started "Book Club". The life developing is arranged by Sadanalaya.
- Students of History Attended Positive Thinking Workshop organized by college.
- Dr. Rajesh created – "Mrutunjay Sanhita" for NCC, NSS & brave students.
- Department started "History Film Club". The life developing videos / Historical films are arranges by Sadanalaya.
- Students of History particepated in "Hobby Exhibition" by Mr. Dixit Pravin. It scontent was rare coins, post stamps & antiques.
- Department developed "Websites Directory" for students.It contented useful, subjectwise list of websites.
- NSS – NCC Participation - Students of History particepated in NSS & NCC's various acivities.

**Research and Discoveries**-Rediscovered the ancient script-Yoga Tarawali and interrupted it for Juo Oriental Research Centre.

**Consultancy**-In the year 2012-13 offered and organized liberated / free Consultancy of meditation (For inner Peace and focus / Concentration) for corporate staff, college and global citizens. Also guides to ignite Dormant Powers by ancient wisdom.

##### Conferences and Seminars:

1. Worked as an Organizing committee member of an International Conference organized by Modern College, Pune-5, and 28<sup>th</sup> to 30<sup>th</sup> Jan 2013. Subject- 'Employability Enhancement through proficiency in Indian and Foreign languages.'
2. Attended State level Seminar organized by Department of Marathi in Modern College, Pune-5, during 4<sup>th</sup> and 5<sup>th</sup> Feb 2013. Subject- Marathi Vinodi Katha- Swaroop aani Sadarikaran. '
3. Attended National level Seminar sessions organized by Department of Commerce in Modern College, 23<sup>rd</sup> and 24<sup>th</sup> Feb 2013. Subject- Emerging issues in Indian Commerce and Industry.



### **Speeches/ Talks of Dr. Rajesh**

- 1 Subject – Human Potential Development techniques in Spirituality at Percept World Language Institute, Pune on 09 September 2012.
- 2 Subject- Adhyatmik Manavtavad. Place: Samarth Up asana Kendra, Model Colony, Pune. Date: 02 October 2012.
- 3 Subject – Navya Bahvishyakade – Creating New Future. Place: Neuo- World Welfare mission – Ghole Road, Pune. /Date- 12 Jan 2013.
- 4 Subject- careers in Social sciences. Place: 'Induction Program' in Modern College, Pune- 5. Date: 9 July 2012.
- 5 Subject- Yog katha. Place- Osho Sadhna Kendra, Prabhat Road, Pune. Date: 24 Feb 2013.

### **Community Services/ Movements- Campaigns**

Dr. Rajesh has done the following activities-

**For Senior Citizens-** Contributed for M.B.M. trust (Nasik) which organized a Special program for the senior citizens at Nasik for completing their 80years of life. (June 2012).

#### **Books presented for orphans by dr.rajesh-**

- SOS Children's village, Pune, India. (Date- 2 Oct- 2012)
- Anath Hindu Mahilashram, Pune (Date- 4 Oct 2012)
- Borderless foundation- Kashmir (Date-12 Oct 2012).

### **For Youth**

Dr. Rajesh worked as a co-organizer for the contest for Lord Ganesh Mandals. The contest was organized by Next Gen TV and Dharmatma TV Channels. It covered near about 250 Ganesh mandals and 50,000 people in Pune metro.

### **Citizen Awareness against the illegal constructions and Nature- Environment Distract**

Dr. Rajesh took lead to aware citizens and administration / system against the illegal constructions and nature, Environment Distract at Shivajinagar (Pune) area. He prepared investigations by photo evidences and other proofs. He created strong Awareness by mobiles SMS Campaigns. E-mail campaigns, blog writing and direct interactions with citizens and administration (Campaign started from- Jan 2013).

### **Support Writ petition in the Supreme Court for making voting Compulsory**

For making India truly a largest democratic country, it is necessary that every citizen should vote. Mr. Thakur filed a writ petition in the Supreme Court urging the court to make voting compulsory for every eligible voter in the country. Percentage was less than 58.04%.

In this petition it is also pointed that the role of educational institutes in India could be further widened to ensure that they enroll the names of the students in yhe voter list as soon as they cross the 18 years of age. This will help in saving the government machinery's time and efforts in regularly updating the electoral list. Dr.Rajesh is in the supporting stand of this reform movement by collecting the supportive intellect references & data. Dr. Rajesh collected signatures to support the reform.



**Global Marriages Appeal Movement:**

Dr. Rajesh is one of the founders of the movement which is enlightening people to come to an end the slavery of land, gender, tribe, caste, age, orthodoxy, biased social views, prejudice, racism, viewpoint or mindset. New way movement appeals Global marriages (Living beyond man made borders) to promote the new way of noble humanity & internal consciousness. (Since Dec. 2012).

**Dr. Manda Admane**

- 1 Participated in the National seminar on "Satyashodhak movement & contemporary reform movements in India" organized by Bharatratna Dr. Babasaheb Ambedkar Mahavidyalay, Aundh, Pune-7, 24, 25<sup>th</sup> Aug. 2012. Presented a paper- 'Maharashtra in 19<sup>th</sup> century and social reformers'.
- 2 Participated in one day seminar on 'Perspective so extension - an interface with college and college teachers programmed co-ordinates' held on 6<sup>th</sup> Sept-2012, in Pune University by the Department of adult education and extension.
- 3 Participated in State level Seminar on 'career opportunities in social sciences' held in Modern College on 9<sup>th</sup> July 2012.
- 4 Assisted in organizing one day seminar on 'Personality Development' under Vidyarthi Manch on 12<sup>th</sup> December 2012 for the students.
- 5 Assisted in organizing various programs of Yuva Manch, Janiv Jagar, Jeshta Nagrik Shibir and Counseling for students held in college.
- 6 Participated in 'International Conference on Employability Enhancement through proficiency in Indian and foreign languages'. Held in Modern College during 28<sup>th</sup> to 30<sup>th</sup> Jan 2013.

**Dr. Milind Paradkar-Visiting Faculty- History:**

- President- Chhatrapati Shivaji Memorial Oriental Institute.

**Award for Published Thesis-**

Dr. Milind Paradkar's published Thesis has been awarded by-

- Mrutunjay Puskar by Maharashtra Sahitya Parishad, Pune (Date- May-2012)
- Late Shri. Pandurangrao Utkhede Memorial Award by Ankur Sahitya Sangh, Akola.
- Late Dr. V.G. Khobarekar Memorial Award by Itihas Sanshodhan Mandal, Mumbai Marathi Granth Sangrahalay Mumbai. (Date March-2013.)

**Year -2013-14****Departmental Activities**

- Students of History visited to Bharat Etihash Sanshodhan Mandal's exhibition on historical assets.
- Students of History participated in "vote for India" campaign with Dr. Rajesh by distributing pamphlets & sms campaign.
- Students of History participated in open session on- "History studies for Competitive exam" at department.
- Some Students of History participated in Suramya Bharat activity organized by Dr. Rajesh at Model Colony area.
- NSS - NCC Participation- Students of History participated in NSS & NCC's various activities.
- Completed the report work of - Student's Manifesto.



- Collected best articles on "Careers in History" to share students.

#### Dr. Rajesh's Activities

1. Organized campaign - "Diwali without Crackers" for pollution control, animals & birds welfare.
2. Created Audio - "Meditations Set" with Booklets. These are rare meditations of indology - Indian tradition.
3. Helped refugees of Kashmir with association of Borderless foundation.
4. Organized open session on-" History studies for Competitive exam" at history department.
5. "Suramya Bharat" activity organized by dr. Rajesh at model colony area.
6. Organized an open event on-" Meditation" at F.C. (21/ 8/2014).
7. Worked for "Banning immoral Liquor sale" which is harmful for lives.
8. Created a very popular Video clip on- Benefits of Traditional Knowledge (Yoga-Meditation-Siddha-Herbs-etc).
9. Organized Pune Heritage Trail on bicycles. Which was open for all as well as History students.
10. Organized the survey for the "Attendance in Parliament & public opinion" by Sadhanalya & NavaBharat.

#### Dr. Admane Activities:

1. Attended NSS camp & wrote an article on - History of Phulagwn -Date: 12 Dec 2013.
2. Attended two days International Seminar in Pune University-Date: 13 to 15 December 2013.
3. History students trip at Harihareshwar & Sinhagadh Date: 19 Jan 2014 & 15 Feb. 2014.
4. Award to Satish Manurkar (SYBA student) in the memory of her mother.

#### Year 2014-15:

1. Started to develop departments digital Records.
2. Developed Student's Profile forms.
3. Developed Student's SWOC forms.
4. NSS - NCC Participation- Students of History participated in NSS & NCC's various activities.
5. Organized special session on "Careers in History" for History students.
6. Dr. Rajesh Organized special session on "Meditations for concentration" for History students.
7. Developed linkage with Sadhanalya (Private mission of research & innovation).
8. Created innovation diary to collect innovative ideas of students in free manner.
9. Developed list of healthy, organic food stores, hotels & mess for students.
10. Shared helpline phone nos for safety outside the college campus.

#### Work done by Dr. Rajesh

1. "Suramya Bharat" activity organized by Dr. Rajesh at various areas.
2. Edify an open event on- "Meditation" at F.C. - Firodiya Hall. (14 to 21 July 2015).
3. Attended International Conference at Garware College (22-23 Dec 2015).

#### Year 2015-16

#### Departmental Activities:

1. Students Visited to Hemalkasa (Dr. Prakash Baba Amte's Project for Tribals). Prof. Gangurde & Prof. Naidu were visited with students.
2. History students created Research Projects on Local Historical Places (TYBY- Spl) in the academic year.
3. Santosh Dhawane- a student of history (TYBA - Spl) worked in Mahatma Phule Museum.



4. Started a Whats Group – New India. It is very useful for sharing History related informations, images, videos, etc.
5. Shared History Notes, Information, questions & sample model answer by Whats apps.
6. Started to collect E-books & digital informations related to History.
7. Developed E-materials (Audios, Videos, etc.).
8. Get certification of ISO-9001-2008, organized by college.
9. Shared helpline Apps for safety outside the college campus.
10. Participated in green audit.

#### Work done by Dr. Rajesh:

##### 1. Humanitarian works:

- + Distributed books to poor students on his own expenses.
- + Distributed nutritious food to poor students on his own expenses.
- + Saved Dogs & birds in disasters by the help of RESUE NGO.

##### 2 Visits:

- + Snehalaya orphanage.
- + Sawali orphanage.
- + Abhay Adhar NGO.
- + ATS (Anti Terrorist office) office at Pune.

##### 3 Supported to Case in Supreme Court for Article 370-A/5. It is related to Kashmir.

##### 4 Meditation Edify to CEO / Forigners

- + Mr. Prashant Panasare (Director/ MD of IT Company), Mr. Shilesh Kulkarni (Suzlon) & Mrs. Sara (Paris-France) were the specially benefited.

##### 5 Swachhata Mission Awareness –

- + Swachhata Mission Awareness Campaign organized By Whats App & social media.
- + Attended the program – Effects of Media on Society (20 June 2016).

#### List of Research papers / Articles-2011 to 2015 (by Dr. Rajesh)

No.	Research papers / Articles	Agency
1	Heritage & Importance of Yoganidra	Shouryabhumi-ISSN
2	Human Rights in Spirituality	Shouryabhumi-ISSN
3	Prinsely states & AkhandBharat Concept	International-Conference
4	Dialogue with God	Shivmudrakan-ISSN
5	Come, Build New India	In Process-ISSN



**LIST OF Research Projects (by Dr. Rajesh):**

No	Title	Duration Years	Agency	Outcome/Results/ Application of project	Area
1	Yoganidra-Traditional Vidya	02	YCMOU	Stress Removal / Deep Rest / Etc.	HTK
2	Traditional Knowledge	Ongoing	SRS	Remedial for Materialistic Life.	HTK
3	Traditional Meditations	Ongoing	SRS	Preservation & Integration of Traditional Knowledge	HTK
4	Hplistic-Sustainable-Life (Zero Budget Life)	In process	SRS	Removal of influence of Matter over Life.	HTK
5	Yoga- Encyclopedia	Ongoing	SRS	Funadamentals- of Yoga, Meditation	HTK

**List of Research Books (by Dr. Rajesh):**

No	Reference Book	Language	Pub.- Status	Pub Date
1	Etahas Sanshodhan	Marathi	National	1 Jan 2012
2	Etahas Ani Etihaskar	Marathi	National	1Feb 2012
3	Prachin Bharat	Marathi	National	1 Jan 2013
4	Madhyayugin Bharat	Marathi	National	1 Feb 2013
5	Aadhunik Bharat	Marathi	National	1 Jan 2014
6	Bharat Aani Jag	Marathi	National	In Process
7	Etahas Bahuaayam	Marathi	National	1 Feb 2014
8	Etahas Upyogan	Marathi	National	In Process
9	Dhoon	Marathi	National	20 Dec 2010
10	Protsahan	Marathi	National	14 April 2011
11	Kaya	Hindi/ English	National	15 August 2011
12	Meditation World	English	National	28 May 2007
13	Wishwa ka Tithi-Etahas	Hindi	National	In Process
14	Rooh- Hindi Poems	Hindi	Script	Nov 2015
15	AtmaSwarar-Marathi Poems	Marathi	Script	Nov 2015
16	DhyanYatra	Marathi	Script	17 Nov 2010
17	Prawah-Quotes	Hindi	Script	In Process

**Events / Invited speakers / Honorable guest/ etc. (2010 To 2016) - (by Dr. Rajesh):**

No	Date	Venue	Event
1	28/5/2011	Veer-Savarkar-Abhyas Mandal-Nasik	Speech on " Vigyan Aani Samaj"
2	8/9/2012	Peccept International,Pune	Speech-on-"HumanPotential Development"
3	9/7/2012	Induction Program- Modern	Careers in Humanities



		College,Pune5	
4	27/12/2012	Mitramandal Hall,Pune	YogaKatha
5	21/9/2013	Sadhanalaya,Pune	Speech on "Jiv Sewa Hich Eshwar Sewa"
6	14-21 July 2014	F.C.-Firodiya Hall, Pune	Meditation Camp
7	29/9/2014	Shehalaya, A.Nagar	Radiotalk-"Adhtmik Manvatawad"
8	14-21 July 2015	F.C.-Firodiya Hall, Pune	Meditation Camp
9	21July 2016	F.C.-Firodiya Hall, Pune	MeditationCamp-on International Yoga Day
10	1 Aug 2016	Sadhanalaya,Pune	Speech on -"Nava Bharat, Nave Jag Ghaau Ya"
11	17Nov 2015	FamousVideoClip - Y-Tube	Speech on -"Naya Bhavishya"

**2011 TO 2016-Attended - conferences / coordinated/workshops / symposia – by Dr. Rajesh:**

No	Level	Nature	Time	Subject	Organizer
1	INTERNATIONAL	Seminar	12-15-Jan 2009	Marathi-Bhashkansathi Udyog Sandhi	PES-Modern College-Marathi Dept.
2	NATIONAL	Orientation-Course	26-7-2010 To 22-8-2010	Orientation - Course	Uni, Pune
3	POST Gat	Course	Nov 2011	Subject Communication	YCMOU
4	LIC	Admin	22-6-2011	LIC	Uni, Pune
5	COURSE	Atonomus	23To 28-72011	Ayurvedic Herbles Making	PES-Modern College
6	STATE	Seminar	7 To 8 feb 2011	Research in Social Sciences	PES- Modern College
7	LOCAL	Conference	27 To 28 Apr 2021	Role-of-Spirituality-in Education	PES-Modern College
8	INTERNATIONAL	Conference	28 To 30 Jan 2012	Bussiness-opp.-In-Life Sceiences	PES-Modern College
9	STATE	Seminar	11 Jan 2012	Current Status & Future Scope of Social Sciences	PES-Modern College
10	STATE	Seminar	5/6 March2012	DrukShravya Madhamatil nirmitti aani Uydog Sandhi	PES-Modern College
11	INTERNATIONAL	Conference	1 To 3 March 2012	Philosophy-of-Dr. Ambedkar	Garware College
12	INTERNATIONAL	Conference	28 To 30 jan 2013	Employbility Enhance through Ind foreign languages	PES-Modern College



13	LOCAL	Admin	SeniorSuperwiser 26 Nov To 30 Dec 2013	Garware College	Uni, Pune
14	LOCAL	Speaker	29-9-2014	Spiritual Humanism	Radio Nagar
15	INTERNATIONAL	Conference	22 To 24 2015	Colonial-Ideology & Princely States in India	Garware College

**Professional trainings/ Programmes- (2010 To 2016):**

NO	Course	Duration	Agency
1	Orientation Course	26 July 2010 to 22 Aug. 2010	Pune University
2	Refresher Courses	2010 to Nov. 2011	YCMO University
3	Herble Products Making	July 2011	PES-Modern College
4	Meditation Course	28 April to 30 april 2021	BKI VishwaVidylaya
5	Election-Officer Training	9 Oct. 2014 to 15 Oct. 2014	Govt of Maarashtra
6	Cencus Officer Training	29 Sept. 2011 to 1 Oct. 2011	Govt of Maarashtra
7	ISO – 9001-2008	1 to 9 Jan. 2015	Progressive Edu Soc
8	Disaster Managenent	20 Dec. 2012	NFO Foundation
9	Green Audit	-	PES-Modern College
10	Acadmic Audit	24 Aug. 2016	PES-Modern College
11	ICT Appications	15 Nov. 2011	SRS
12	Qulity-Govaranace-& Administration	30 Days	SRS

**Events / Invited speakers / Honorable guest / etc. (2010 To 2016) from Dr. Rajesh:**

No	Date	Venue	Event
1	28/5/2011	Veer-Savarkar-Abhyas Mandal-Nasik	Speech on "Vigyan Aani Samaj"
2	8/9/2012	Peccept International,Pune	Speech on "Human Potential Development"
3	9/7/2012	Induction Program- Modern College, Pune5	Careers in Humanities
4	27/12/2012	Mitramandal Hall,Pune	YogaKatha
5	21/9/2013	Sadhanalaya,Pune	Speech on "Jiv Sewa Hich Eshwar Sewa"
6	14-21 July 2014	F.C.- Firodiya Hall, Pune	Meditation Camp
7	29/9/2014	Shehalaya, A.Nagar	Radiotalk "Adhtmik Manvatawad"
8	14-21 July 2015	F.C.-Firodiya Hall, Pune	Meditation Camp
9	21July 2016	F.C.-Firodiya Hall, Pune	MeditationCamp on International Yoga Day
10	1 Aug 2016	Sadhanalaya, Pune	Speech on "Nava Bharat, Nave Jag Ghadau Ya"
11	17Nov 2015	FamousVideoClip - Y-Tube	Speech on "Naya Bhavishya"



**Present - Features of the Department:**

- 1 Museum – Human Culture information.
- 2 Speciality -Traditional knowledge (Meditation, Yoga, Traditional Intellect.).
- 3 Collection- Videos on Indian History.
- 4 Books- Authored by faculties for Students.
- 5 Art gallery- Lord Buddha's Paintings.
- 6 Guidance - Competitive Exams /Nation & Human Service.
- 7 Edify -Traditional Meditations. (Open for all).
- 8 Consultancy - Careers in History.
- 9 Faculties- Experienced & PhD Holders.
- 10 Connection - various sectors connectivity for Jobs / enterprinerships for students.

**Learning Resources:**

- 1 Reference Books authored by eminent Teachers of Modern College.
- 2 Internet Classroom near library.
- 3 CDs- Audios-Videos.
- 4 Mobile clips –related to subjects.
- 5 Notes- Also available on whats App. Dynamic Digital approach.
- 6 Research Guidance.
- 7 Career Guidance.
- 8 On line /easy communication by mobile service.
- 9 Useful web directory.
- 10 On line links- Useful links tips

**Making Professional Historians- innovative ignited minds:**

Our Department organizes the following activities:

- \* Modi Lipi Training Course.
- \* Museum- Heritage Preservation.
- \* Innovative Research Projects.

**Our Service of Nation - Service of Human-being**

- \* Competitive Exam Guidance.
- \* Noble Leadership of Young Historians.
- \* Traditional Meditation Edify.
- \* Humanitarian works.
- \* Innovation Diary for Sustainable Life.

**Future Plans**

- \* Start Post Graduation- M.A. History course.
- \* Develop Research & Innovations in the Area of HTK & Start Meditation course.
- \* Enhance Soft skill based Practicals - Through Applied History.
- \* Enhance guidance for Competitive exams.
- \* Develop Wealth/ Assets / Financial Resources of the department.
- \* Establish links with Global Contributors to make Noble Historians.



## Department of Hindi

The Hindi department was started in 1970 in Modern College, Shivajinagar, and Pune 5. From 1970 to 2005, the subject was at general level and later Hindi Special was started.

Dr. Sangoram was the first head of the Hindi department in the college. He was a well known critic of Hindi literature and also a scholar in classical music. He started Hindi grammar courses for the students. After Dr. Sangoram's joined University of Pune, Prof. Wani held the position HOD of Hindi department in Modern College. He organized several activities for the students. He worked as a program officer of NSS. Mrs. S. D Purohit joined the department on 23<sup>rd</sup> August 2002.

### Courses taught in the department:

#### Senior Wing:

FY, SY, TY B.A. at General Level

SY, TY B.A. at Special Level

FY B.Com General Level.

*Approximate Strength each year:*

	Each Year	2016-17
FY BA: Hindi general	80-100	180
SY BA: Hindi general	40-50	60
TY BA: Hindi General	40	40
SY BA: Hindi Special	10	10
TY BA: Hindi Special	10	10
FY B Com.: Hindi Additional:	120-150	20

### Skill Development Programs:

1. Workshops for Grammar and Lecture Series.
2. Handwritten Magazine.
3. Essay and Advertisement Writing Competition.
4. Expert Lectures for students.

### Research Activities, Publications and Achievement of staff of the department

1. State Level: Year 2012 by Prof. Sunita Purohit on 'Role of Tourism in Regional Development'
2. International Level: 2013 by Prof. Sunita Purohit.
3. National Level: 2014 by Prof Sunita Purohit at Abasaheb Garware College, Pune
4. International Conference: Year 2014 by Prof. Sunita Purohit 'A Poster Presentation on Hindi Kavya and Paryavaran'
5. Publications of papers in Rashtravani. ISSN no. 2319-6785 and 2319-6785
6. A publication of translation of Hindi story to Marathi in the magazine 'Uttam Anuvad' in 2013.

### Collaboration with other institutions:

Hindi Department has its collaboration with Maharashtra Rashtrabhasha Sabha, Pune and organizes various programs round the year.



### Achievements by Students of the Department

1. 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.
2. In the year 2014, we won a prize for acting at Maharashtra Rashtrabhasha Sabha, Pune. Prof. Sunita Purohit won the first prize for writing the play.
3. Miss Sujata Bhalerao a student from SY BA got first prize in Essay Writing Competition organized by Poona College in 2010.
4. Brhamnadev Shukla got a consolation prize in 2014 for essay competition organized by Modern College, Ganeshkhind, Pune.
5. On 6<sup>th</sup> February 2008 Maharashtra Rashtrabhasha Sabha Pune had organized a One Act Play competition in Hindi in which Modern College Shivajinagar,Pune 5 won first prize for play 'Parivartan'.
6. Prajakta Wani a student from FY BA class got best actor prize.
7. Shrikant Gabale got first prize in mono-acting.
8. In 19<sup>th</sup> January 2008, S. P. 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.

### Useful Links:

1. [http://en.wikipedia.org/wiki/Hindi\\_literature](http://en.wikipedia.org/wiki/Hindi_literature)
2. <http://www.hindiguru.org/>
3. <http://pustak.org/home.php?bookid=4883&booktype=free>
4. <http://pustak.org/home.php?bookid=2759>
5. <http://www.hindisamay.com>



## Department of Library

- Library was established on 15 June 1970 when the college was established. The first location of the library was at the present chemistry department.
- After 6 months, the library was shifted near the office on the ground floor.
- D.G. Bapat was appointed as the first Librarian in 1970.
- First book accessioned was Marathi novel by V. S. Khandekar named "Yayati".
- On 6th March 1971, S. G. Barve commissioner of PMC donated 1500 books in memory of his Father Shri. Raobahadur Bavne.
- Library received UGC grant in 1977-78 and also received Rs. 1,00,000/- for library by Giridharlalji Pitti on behalf on Pitti Charitable Trust.
- 1981 Library was shifted to the East wing (At present in the BCS Dept).
- In 1989, UGC grant was received under the 7th five year plan.
- G. Bapat the first Librarian retired on 31 Dec 1993.
- In absence of the main Librarian Dr. Mukund Mahajan, HOD Economics was appointed as library incharge in 1995.
- In Nov 1999, Mrs. M. S. Datre was appointed as the Librarian and till today she is working on the post of Librarian.
- In 1997-98, the library was shifted to the new building partly funded by UGC for library. The library area was approx. 5000 sq. ft. for main library and on the 3rd floor for reading hall of 5000 sq. ft.
- On 3<sup>rd</sup>, 4<sup>th</sup> and 5<sup>th</sup> Dec 2002 first NAAC Accreditation was done and college received B++ grade by NAAC.
- In 2004 one day workshop for *Progressive Education Society* library staff was organized combinedly with Modern College of Engineering on "Services expected of libraries in Modern age".
- In June 2006 library was shifted to a new location near the College office.
- Departmental libraries in 7 departments were started in 2007.
- **Digital Library Inauguration:**
- Inauguration of Digital library, Library website and library E-Bulletin 'modlib' was done on **31 July 2013** by honorable Governor of Bihar, Dr. D. Y. Patil, Chairman of our *Progressive Education Society* Dr.G.R.Ekbote; Vice Chancellor University of Pune Dr. W. N. Gade, P. E. Society Secretary Prof. S. S. Deshmukh; Principal Dr. R. S. Zunjarrao and invitees and all staff members were present for this memorable event.
- On 5-6 Feb 2014 two day training workshop for Library support staff was organized by Library for Library staff of all schools and colleges working under *Progressive Education Society*.
- **6 institutional membership:**
  - 1) British Library
  - 2) Maratha Chamber of Commerce
  - 3) Jaykar Library SPPU
  - 4) Gokhale Institute Politics and Economics
  - 5) DELNET
  - 6) Deccan College.
- Dr. Shubhada Nagarkar Asst. Professor, Jaykar Lib. SPPU, Lecture on Impact factor, H-indey etc. in 16 Feb 2015.
- National Seminar on 17-18 Mar 2015 jointly organized by Modern College and MIBM Pune-5 on "Impact on e-publication on Higher education and Librarianship". Chief Guest Dr. V. B. Gaikwad,



Director BCUD, SPPU, Guest of Honour was Dr. E. B. Khedkar, Dean Faculty of Management, Librarian Jaykar Library SPPU, Dr. G. R. Ekbote, Chairman, P. E. Society and other resource persons were present.

**Books Added during 1970 – 2016 (March):**

Years	SR	JR	UGC	NG	GIFT	TOTAL
1970 – 1980	20425	3263	4375	-	-	28063
1981 – 1990	18092	2813	1916	-	-	22821
1991 – 2000	16454	2645	391	-	-	19490
2001 – 2010	16964	2088	-	862	3353	23303
2011 – 2016	5961	832	-	3199	1557	11360
<b>TOTAL BOOKS</b>	<b>77896</b>	<b>11641</b>	<b>6682</b>	<b>4061</b>	<b>4904</b>	<b>105184</b>



## Department of National Service Scheme

### Introduction:

**National Service Scheme (NSS)** has been introduced at *Progressive Education Society's* Modern College of Arts, Science and commerce of Shivajinagar, since 1972 as a part of academic programmes. The overall objective of this scheme is 'Education and Service' to the community and by the community. It is a programme for students to cater to the needs of the community, as and when required. It will also help the students to communicate with the society and to explore themselves. This activity really builds the confidence in the minds of youngsters and helps them to improve the overall personality.

### Objectives of NSS:

1. The broad objectives of NSS are to:

- (i) Understand the community in which they work
- (ii) Understand themselves in relation to their community;
- (iii) Identify the needs and problems of the community and involve them in problemsolving process;
- (iv) Develop among themselves a sense of social and civic responsibility;
- (v) Utilize their knowledge in finding practical solution to individual and communityproblems;
- (vi) Develop competence required for group living and sharing of responsibilities;
- (vii) Gain skills in mobilizing community participation;
- (viii) Acquire leadership qualities and democratic attitude;
- (ix) Develop capacity to meet emergencies and natural disasters and
- (x) Practice national integration and social harmony.

### The Motto:

2. The motto or watchword of the National Service Scheme is: '**NOT ME BUT YOU**'.

This reflects the essence of democratic living and upholds the need for selfless serviceand appreciation of the other person's point of view and also to show consideration forfellow human beings. It underlines that the welfare of an individual is ultimatelydependent on the welfare of society on the whole. Therefore, it should be the aim of theNSS to demonstrate this motto in its day-to-day programme.

### NSS Symbol:

3. The symbol of the National Service Scheme, is based on the 'Rath' wheel of the Konark Sun Temple situated in Orissa. These giant wheels of the Sun Temple portray the cycle of creation, preservation and release, and signify the movement in life across time and space. The design of the symbol, a simplified form of the Sun-chariot wheel primarily depicts movement. The wheel signifies the progressive cycle of life. It stands for continuity as well as change and implies the continuous striving of NSS for social transformation and upliftment.





#### **NSS Badge:**

4. The NSS symbol is embossed on the NSS badge. The NSS volunteers wear it while undertaking any programme of community service. The Konark wheel in the symbol has eight bars which represent the 24 hours of the day. Hence, the badge reminds the wearer to be in readiness for service of the nation round the clock i.e. for 24 hours. The red colour in the badge indicates that the NSS volunteers are full of blood i.e. lively, active, energetic and full of high spirit. The navy blue colour indicates the cosmos of which the NSS is a tiny part, ready to contribute its share for the welfare of the mankind.

#### **NSS Day:**

5. NSS was formally launched on 24th September, 1969, the birth centenary year of the Father of the Nation. Therefore, 24 September is celebrated every year as NSS Day with appropriate programmes and activities.

#### **NSS Song:**

6. During Silver Jubilee Year the NSS theme song has been composed. All NSS volunteers are expected to learn the theme song and sing the song during NSS programmes and celebrations.

#### **Classification of NSS Programme:**

NSS activities have been divided in two major groups. These are regular NSS activities and special camping programme –

- a) **Regular NSS Activity:** Under this, students undertake various programmes in the adopted villages, college/school campuses and urban slums during weekends or after college hours;
- b) **Special Camping Programme:** Under this, camps of 10 days duration are organised in adopted villages or urban slums during vacations with some specific projects by involving local communities. 50% NSS volunteers are expected to participate in these camps.

#### **NSS Regular Activities:**

As stated above, NSS volunteers undertake various activities in adopted villages and slums for community service. Duration of these services is 120 hours. The NSS units organise the regular activities as detailed below:

- (i) **Orientation of NSS volunteers:** To get the NSS volunteers acquainted with the basics of NSS programmes, 20 hours are allocated for their orientation through lectures, discussions, field visits and audio-visuals etc.
- (ii) **Campus Work:** The NSS volunteers may be involved in the projects undertaken for the benefit of the institution and students concerned. Such projects cover development of play grounds, laying of gardens, tree plantation in the premises, awareness programmes on drug-abuse, AIDS, population education and other projects. The NSS volunteers may work on campus projects for not exceeding 30 hours in a year;
- (iii) The remaining 70 hours will be utilized for community service on the projects in adopted villages / urban slums independently or in collaboration with others in this field, as detailed below:
  - (a) **Institutional work:** The students may be placed with selected voluntary organisations working for the welfare of women, children, aged and disabled outside the campus.
  - (b) **Rural Project:** The rural projects generally include the working of NSS volunteers in adopted villages for eradication of illiteracy, watershed management and wasteland development, agricultural operations, health, nutrition, hygiene, sanitation, mother and child care, family life



education, gender justice, development of rural cooperatives, savings drives, construction of rural roads, campaign against social evils etc.

**(c) Urban Projects:** In addition to rural projects other include adult education, welfare of slum dwellers, training in civil defence, traffic control, setting up first-aid posts, work in hospitals, orphanages, destitute home, environment, population education, drug, AIDS awareness, and income generation projects etc. Professional and technical institutions having NSS may have to design appropriate programmes for the community based on the needs.

**(d) Natural calamities & National Emergencies:** The NSS units are expected to utilize the services of NSS volunteers at the time of natural calamities and national emergencies for mobilizing public support and rendering necessary assistance to the authorities in rescue, relief and rehabilitation.

In such emergencies and calamities the Programme Officers are expected to take the initiative and offer the services of the NSS units and its volunteers to assist the administration.

**(e) National Days and Celebrations:** The National Service Scheme programmes also include the celebration of National days. The purpose of such a provision is to celebrate such occasions in a befitting manner.

**1.7 National Programmes:** In the development perspective of any nation, certain programmes assume special relevance in view of problems existing or anticipated. In our country, three such programmes have been launched. They are the Mass Programme of Functional Literacy, AIDS Awareness Programme and Sustainable Development with emphasis on Watershed Management & Wasteland Development. It is pertinent to mention here that NSS Volunteers have come forward with zeal to make these programmes a great

#### NSS Programme officers of our College:

Name of the NSS PO	Duration of Work
Prof. S. R. Raykar	1972-75
Prof. M. A. Kulkarni	1975-1980
Prof. B. G. Wani	1981-88 (150 volunteers)
Prof. Ramesh Shah	1988-91
Prof. P. G. Dixit	1991-96
Prof. Mrs. Amruta Oak	1992-96
Prof. Suhir Ujalambkar	1996-2000
Prof. Mansingh Salunkhe	1996-2000
Prof. Mrs. Dharmadhikari	1998-2000
Prof. Mrs. Alka Kamble	2000-2003
Prof. B. B. Yenge	2001-2003
Prof. V. B. Kamble	2003-06
Prof. Mrs. Swati Ahiwale	2003-06
Prof. N. M. Naidu	2006-2009
Prof. Mrs. Sunita Purohit	2006-2009
Prof. P. S. Varade	2009-till date
Prof. Mrs. Nisha Bhandari	2009-till date
Prof. Mrs. Puranik	2013-2015



**Major and main regular Activities of NSS Unit of our college:**

- Blood donation.
- Tree plantation.
- Street Plays.
- Cleaning drives.
- Workshops on Value education.
- Organization of Pre SRD/NRD area, district level workshops.
- Workshops on self defense.
- Participation in 'Pulse Polio' abhiyaan.
- Participation in 'Save girl child'.
- Participation and organization of 'Clean India Drive'.
- Organization of 'Energy conservation Awareness' programme/workshops.
- Organization of 'Traffic awareness programme' in Pune city and adopted villages.

**Few innovative activities of our NSS Unit:**

- Rice Plantation for needy people.
- Cloth Collection and donation camp.
- Support to Drushti Abhiyan and activities for blind students.
- North East cultural fest.
- Participation in Ganesh Festival discipline committee-as a Police-mitra.
- Active Participation in Pune Bus-day.

**List of adopted villages by NSS Unit:**

- Markal
- Undri
- Pisoli
- Mandavi
- Mandaki
- Bhose
- Chimbali
- Vadhu (Khurd)
- Ghotawade
- Kule
- Phulgaon

**Major activities done in special camps:**

- Digging of sanitary pits for villagers.
- CCT.
- Eye check and general health check-up camp for villagers.
- Awareness programmes for villagers (Eradication of HIV/AIDS, e-waste management, Anemia, Save the Girl child).
- Cultural programmes for villagers.



- Cleaning drive.
- Building sand walls in river for water storage.
- Tree plantation.
- Construction of road for villagers.
- Group discussions.
- Implementation of Samarth Bharat Abhiyaan activities.
- History and geographical surveys of villages.
- Computer Literacy programme /workshops for school students.

**Great Personalities who guided, visited and encouraged our students:**

- **1974:** Pune Mayor Bhai Vaidya inaugurated the NSS special camp at Pisoli on 16<sup>th</sup> October.
- **1975:** Hon'ble chief minister of Maharashtra Shri Vasant Naik and Hon'ble Forest and finance minister Shri Madhukarraoji Chaudhari visited the tree plantation camp and guided the students.
- **1986:** Hon'ble Balasaheb Bharde and Shri Anna Hajare visited to the leader's camp and guided the volunteers.
- **1988:** Hon'ble Mohan Dharia guided our student on 'Environment Conservation'.
- **1992:** On 25<sup>th</sup> December Prof. Dr. V. B. Deshpande of our college conducted an interview of great Marathi actor Shri. Sharad Talwalkar at camp place (Mandaki).
- **2006:** PCMC MLA Mr. Vilas Lande visited to the NSS camp and had informal interaction with the campers.

**Highlights:**

- **1976:** Initiative taken by our unit in the construction of school building at 'Vadachi Wadi'.
- **1981:** This was celebrated as 'Handicapped Year', on this occasion an exhibition cum sale was organized by the NSS unit of our college to promote the 'special students.'
- **1986- 'Ramya Mutha'** the activity organized by our college, to make Pune as well as the Mutha river clean and beautiful. This activity was inaugurated by Pro-Vice chancellor of Pune University. Pune Municipal corporator Shri Vijay Kale, Shri Girish Bapat were present for this activity.
- **1989:** NSS volunteers actively participated in risk operation at Bhaje due to heavy rain fall.
- **1994:** On 25<sup>th</sup> August a district level workshop on 'Introduction to Encyclopedia' was organized by our unit.
- **2001:** NSS PO Mrs. Alka Kamble completed I level training programme at 'Rajiv Gandhi Yuva Vikas Institute at Perubandar.
- **1991:** Miss Vrunda Tamboli were selected and participated in National Republic Day Parade at Delhi. were selected and participated in National Camps at
- **2005:** NSS volunteer Miss. Abhilekha More got first prize in cultural activities in National Integration camp held at Manglore. Ms. Ashwini Murkute attended the State R. D. Parade at Mumbai
- **2011:** Prof. P. S. Varade actively participated and worked as contingent leader for Maharashtra state in



Mega summer camp at Lonavala.

- **2012-** Implementation of 'Jagar Janivancha.' This was sponsored and promoted by Government of Maharashtra.

**Participation in National Integration Camp:**

Name of the Participants	Duration /Year	Place of Camp
Mr. Pramod Kumbhar	20 <sup>th</sup> -29 <sup>th</sup> December 1992	Tirunelli
Miss. Snehal Pathak	12 <sup>th</sup> -14 <sup>th</sup> February 1993	Ajamer
Miss. Sadhana Bharvikar	1984	Near Dhom Dam, Kolhapur
Miss. Revati Dhopeswarkar	1986	Riputi
Miss .Prdnya Kulkarni	1988	Grambharati(Mehsan)
Miss. Manjusha Shahane Unesh Ravade Rajesh Bathe & Kavita Deshpande Revati Aphale	1989	Alahabad Uttar Pradesh Jamiya Miliya Isalamiya Uni. New Delhi. Utkal University Bhuvaneshwar.
Miss. Vaishali Pawar Mr Sanjay Piranpute	1991	Koimtur Jaipur
Miss. Amruta Kulkarni Prof. P. S. Varade (Contingent Leader of Maharashtra State)	2010	CKT, College, Panvel, Mumbai
Prof. P. M. Sambare - 4 volunteers	2014	Vishakhapattanam

**Awards:**

- Prof. Mansingh Salunkhe received State level 'Best NSS Programme Officer Award' from Government of Maharashtra for the academic year:
- Prof. P.S Varade received District level – 'Best NSS Programme Officer Award' for the academic year 2012-13 from Pune University.
- Modern College NSS Unit also received District level 'Best NSS Unit 'for the academic year 2012- from Pune University.
- Prof. P.M. Sambare received State level – 'Best NSS Programme Officer Award' for the academic year 2013-14 from Government of Maharashtra.
- Modern College NSS Unit also received 'State Level Best NSS Unit 'Award for the academic year 2013-14.



## Department of Physical Education

Our Modern College of Arts, Science & Commerce, Shivajinagar, Pune 411005 was established in 1970, with an initial strength of 500-600 students. As the entire environment was new, it was charged with enthusiasm. The faculty comprised of young as well as experienced lecturers. All the young lecturers (of around 25 years of age) were associated with the Gymkhana. Their enthusiasm and willingness to work inspired the students to take to sports in a very short period of time. Eventually Modern College made an impression in the field of sports. Many of the students performed exceptionally well at the University, Inter-Collegiate, National & International level. This was indeed commendable as the college, at that time did not have all the necessary equipments to train the students.

This heritage has been preserved and carried forward, even today. Recently, two of our past students received the Shiv Chhatrapati Award. The total number of Shiv Chhatrapati Award winner so far is 34 and there is one student who received coveted Arjuna Award.

Our students represent the College in various games, like Badminton, Chess, Cross Country, Shooting, Swimming, Ball Badminton, Baseball, Basketball, Cricket, Cycling, Wrestling, Kabaddi, Football, Handball, Volleyball, Hockey, Judo, Boxing, Softball, Power Lifting, Best Physique, Athletics, Kho-Kho, Lawn Tennis, Table Tennis, Fencing and Netball. All the routine functions of this department are carried out smoothly. For this, student representatives are appointed. These representatives are responsible for advocating their respective games to the students, and for encouraging a maximum number to join in. Out of these representatives, one from the boys and one from the girls, is chosen as I.C.S.R. (Inter Collegiate Students' Representative) Class representatives, the two I.C.S.R.s and the University Representative, along with the support of other students, regulate all the activities that take place at the university level. Every year, along with the increasing number of students, the responsibilities are also gently multiplied. However, the students' representatives successfully handle the activities and therein lies the success of the Gymkhana.

In view of the availability of limited sports ground and accommodation facilities, it is proposed to focus more attention on Indoor games, such as Table Tennis, Badminton, Chess, etc. The *Progressive Education Society* has its own internationally recognized Badminton hall and it provides excellent coaching facilities. College Gymnasium, with all modern equipments, is available to the students.

As far as the outdoor games are concerned, the sports ground available in the vicinity of the college, is booked for the college students whenever needed.

It is also proposed to associate a good number of past students who have excelled themselves in various games and sports. The Shiv Chhatrapati award winners, who are the past students of this college, will be associated with the sports activities of the college, so that the present students would get the benefit of the expertise of outstanding sportsmen.

### Award Winners List:

Sr. No	Year	Name of the Players	Award	Game
1	1974-75	Mr. Shrirang Inamdar	Arjun Award (Central Govt.)	Kho-Kho
2	1974-75	Mr. Shrirang Inamdar	Shiv Chhatrapati (State Govt.)	Kho-Kho
3	1974-75	Miss. Bharti Shaha	Star of India (Central Govt.)	Ball Badminton
4	1976-77	Mr. Ramesh Rao	Shiv Chhatrapati (State Govt.)	Kho-Kho
5	1978-79	Miss. Sunita Deshpande	Shiv Chhatrapati (State Govt.)	Kho-Kho



6	1978-79	Mr. Rajiv Jalnapurkar	Shiv Chhatrapati (State Govt.)	Mall Khamb
7	1979-80	Miss. Nishigandha Ambike	Shiv Chhatrapati (State Govt.)	Kho-Kho
8	1979-80	Miss. Bharti Banberu	Shiv Chhatrapati (State Govt.)	Volleyball
9	1980-81	Miss. Mithila Jabde	Shiv Chhatrapati (State Govt.)	Kho-Kho
10	1981-82	Miss. Vasudha Tumpalliwar	Shiv Chhatrapati (State Govt.)	Kho-Kho
11	1981-82	Mr. Atul Wakankar	Shiv Chhatrapati (State Govt.)	Kho-Kho
12	1983-84	Mr. Sanjay Joshi	Shiv Chhatrapati (State Govt.)	Kho-Kho
13	1983-84	Mr. Gopal Mirajkar	Shiv Chhatrapati (State Govt.)	Volleyball
14	1984-85	Miss. Anita Pathare	Shiv Chhatrapati (State Govt.)	Volleyball
15	1984-85	Miss. Swati Karkhanis	Shiv Chhatrapati (State Govt.)	Kho-Kho
16	1985-86	Miss. Seema Joshi	Shiv Chhatrapati (State Govt.)	Kho-Kho
17	1985-86	Miss. Nisha Kulkarni	Shiv Chhatrapati (State Govt.)	Volleyball
18	1985-86	Miss. Varsha Waikar	Shiv Chhatrapati (State Govt.)	Judo
19	1986-87	Miss. Sangeeta Joshi	Shiv Chhatrapati (State Govt.)	Kho-Kho
20	1987-88	Miss. Swati Kulkarni	Shiv Chhatrapati (State Govt.)	Kho-Kho
21	1988-89	Miss. Swati Gokhale	Shiv Chhatrapati (State Govt.)	Kho-Kho
22	1991-92	Miss. Sangeeta Sonawane	Shiv Chhatrapati (State Govt.)	Kabaddi
23	1991-92	Mr. Subhash Puri	Shiv Chhatrapati (State Govt.)	Athletics
24	1992-93	Mr. Suresh Gaikwad	Shiv Chhatrapati (State Govt.)	Volleyball
25	1993-94	Mr. Jayant Gokhale	Shiv Chhatrapati (State Govt.)	Chess
26	1994-95	Miss Anita Parve	Shiv Chhatrapati (State Govt.)	Kabaddi
27	1999-00	Mr. Vishal Pawar	Shiv Chhatrapati (State Govt.)	Cycling
28	2000-01	Mr. Mangesh Shingte	Shiv Chhatrapati (State Govt.)	Taikwondo
29	2002-03	Mr. Chandrashekhar Gokhale	Shiv Chhatrapati (State Govt.)	Chess
30	2004-05	Mr. Shirang Inamdar	Dadoji Kondev (State Govt.)	Kho-Kho
31	2006-07	Mr. Rajiv Bodas	Shiv Chhatrapati (State Govt.)	Table Tennis
32	2006-07	Miss. Jotsna Chitroda	Shiv Chhatrapati (State Govt.)	Rope Mall Khamb
33	2010-11	Mr. Sangram Chougule	Shiv Chhatrapati (State Govt.)	Best Physique
34	2010-11	Miss. Kiran Pethe	Shiv Chhatrapati (State Govt.)	Judo

**List of Inter collegiate sports Secretary (I.C.S.R.):**

Year	Boy's	Girl's
1991-92	Mr. Jayant Ghokhale	Miss. Manda Wahile
1992-93	Mr. Somnath Nalawade	Miss. Kavita Pansare
1993-94	Mr. Rushikesh Madrasi	Miss. Savita Patwardhan
1994-95	Mr. Rajesh Varma	Miss. Vaishali Rebadasani
1995-96	Mr. Shilesh Mulay	Miss. Pournima Bahirat
1996-97	Mr. Manoj Fulsunge	Miss. Supriya Bhat
1997-98	Mr. Umesh Golande	Miss. Nayana Dastane
1998-99	Mr. Amar Nalawade	Miss. Varsh Gaware
1999-00	Mr. Bhushil Rege	Miss. Sulabha Manoli



2000-01	Mr. Narayan Shinde	Miss. Smita Lonkar
2001-02	Mr. Shridhar Shirke	Miss. Madhura Joshi
2002-03	Mr. Tushar Sutar	Miss. Smita Kariwadekar
2003-04	Mr. Sachin Shinde	Miss. Vijaya Mogal
2004-05	Mr. Mohan Khot	Miss. Priyanka Paraswar
2005-06	Mr. Rahul Zore	Miss. Priyanka Thorat
2006-07	Mr. Nikhil Rampal	Miss. Usha Lawate
2007-08	Mr. Ganesh Palande	Miss. Uma Kale
2008-09	Mr. Amardeep Gaikawad	Miss. Soniya Mutha
2009-10	Mr. Ashish Patil	Miss. Deepti Kadam
2010-11	Mr. Prafullakumar Bansod	Miss. Ujwala Matale
2011-12	Mr. Pranit Shinde	Miss. Sonam Bhambure
2012-13	Mr. Rohit Ingawale	Miss. Shubhangi Patil
2013-14	Mr. Akash Zambare	Miss. Dipali Gaikwad
2014-15	Mr. Prafull Rokade	Miss. Dipika Jambukar

#### Director of Physical Education

Sr. No	Name of Director of Physical Education	Year
1	Mr. Kiran Lagoo	1970 to 2006
2	Mr. Vikram Phale	2006 to 2010
3	Dr. Deepak Shendkar	2010 to 2013
4	Mr. Vikram Phale	2013 to till



## Department of Biotechnology

The Department of Biotechnology was established in 2005. The intake capacity of the department is 45 for F.Y.B.Sc, 45 for S.Y.B.Sc and 45 for T.Y.B.Sc. The M.Sc course in the department was started in 2008 with the intake capacity as 24 for M.Sc-I and M.Sc-II. It is maintaining its tradition of imparting quality education at U.G., P.G. and research level. In addition to classroom teaching, various other activities were organized by the department from the year it was established. The faculty members in the Department are highly qualified with the background of various subjects like Biochemistry, Biotechnology, Microbiology, Botany and Zoology. Out of total eight staff members, six are PhD and rest two are enrolled for PhD in Savitribai Phule Pune University. Previously the admissions of students were on the basis of entrance examination. Now the students are enrolled on the basis of Merit list and results are above 95% for B.Sc as well as M.Sc courses.

The Department has received permanent affiliation from SPPU for its (B.Sc. and M.Sc.) Biotechnology courses. A new course B.Sc. (Blended) affiliated to SPPU and accredited by the University of Melbourne, Australia has also been started from academic year 2016-17.

The department of biotechnology has well equipped laboratories with latest instruments like HPLC, PCR, Fermentor, Fraction collector, ELISA reader etc. There are separate laboratories to carry out work for Animal Tissue Culture, Plant Tissue Culture, Cell and Molecular Biology and Immunology. There is separate dedicated computer laboratory with internet connection to conduct computers as well as bioinformatics practical. The research laboratory was established in the year 2009 and received a sanction for M.Phil and PhD in Microbiology and Life Sciences. One scientist emeritus has joined the laboratory in the year 2013 and received the grant of 13.5 lakh from CSIR UGC for two years.

A Departmental library which was functional with books, periodicals, journals and abstracts till the academic year 2013-14. Currently, it is merged with the main central library with ample reading space. Over the ten years, total books purchased are 656. Many open access journals are available to the students through INFLIBNET facility in central library. The reading hall with around 100 students seating capacity is available to the students in central library with access to many reference as well as competitive examination books.

To enhance and update the knowledge of the students, the department regularly conducts visits to different national institutes, educational organizations and industries. The important places where students visit are industries like Biocon, Serum Institute, KF Bioplant, Arbindo Pharma, BAIF, Monsanto etc. The students also visit to National Institutes like IISc Bangalore, CDFD, CCMB, NCCS, and NCL to know the scope in the field of research. Through these interactions students gets exposure to industries and placement procedures.

Apart from industrial and institutional visits, the department organizes "Biotech fest" as a yearly activity to inculcate competitive spirit among the students. The activity includes poster and model competition based on advances and applications in Biotechnology field. It also includes bio-rangoli, quiz and photography competition. Students from different colleges participate in these competitions and win the prizes from different categories. Along with Biotech fest, department organizes various other activities like workshops, seminars, conferences, guest lecturers for the benefit of students.



**The main activities by the department in the last ten years are enlisted here:**

- In 2005, the workshop was conducted on "Advance Molecular Biology techniques" in association with Bangaloregenei.
- A poster and model competition on Biotechnology and Microbiology "Biovision" was organized on 23<sup>rd</sup> Dec 2006.
- In 2007 the workshop was also conducted on "Syllabus revision workshop for F.Y.B.Sc Biotechnology".
- The Laboratories of the Department were inaugurated at the auspicious hands of Hon Shri Balasaheb Thorat, Minister of Agriculture, and Maharashtra State in presence of Shri. Vandan Mohol in 2007.
- Organized a workshop on Discussion of Revised syllabus of S.Y.B.Sc. (Biotechnology) on 4/12/2009.
- Organized a National conference on "Stem cell technology" under quality improvement programme of University of Pune from 13<sup>th</sup> to 15<sup>th</sup> March 2010.
- Organized one day Lecture series "Intellectual Property Rights – A career option for Life Sciences" on 18-19<sup>th</sup> Jan 2013.
- Organized Lecture on 'Credit system implementation' by Dr. Saroj Ghaskadbi on 7<sup>th</sup> September 2013 for faculty and PG students.
- Organized a lecture series on "Advanced techniques in Genomics and Proteomics" for P.G. students and teachers on 7<sup>th</sup> March 2014.

Along with these major activities department has organized lecture series and guest lecturers for the benefit of students. The Department has initiated the activity like Industry Academia Meet to enhance the campus placement activity and make the students aware of requirements of the industry.

Department of Biotechnology conducts campus interviews for the postgraduate students through college placement cell and to name a few companies which make a job offer to our students are Symphony solution, in science healthcare- Kala Biotech, Alpha Biotech, Serum Institute of India, NCCS, Himalaya Drugs, Bangalore, Jai Biotech, Sula Wines, Nasik Roche diagnostic India Pvt. Ltd., Optra Systems, Chordia Foods Pvt. Ltd and Lupin Persistent Systems Pvt. Ltd. More than 20 students are placed in these companies since 2008. The graduate students also get placed in different institutes for pursuing post graduation and PhD viz. different universities under the common entrance of JNU, Bioinformatics dept SPPU, ISSER, NIV etc.

The students have attempted various national level exams like NET, SET, GATE and GRE and have come out with flying colors. Total number of NET, SET qualified students is approximately 15. The students also received various scholarships from 'Malhotra Weikfield Foundation' and 'Leela Poonawala Foundation'.

The staff members from the Department had applied for research grants to various funding agencies like BCUD, UGC, Indian Space Research Organization, UGC-CSIR etc. The total amount of grant availed in last ten years is around 50 lakh. We encourage U.G. and P.G. students to present their project work in various International and national conferences. Recently, one national patent has been filed from the department.

The Department of Biotechnology has achieved great success in the ten years past.



## Department of Microbiology

The department of Microbiology, one of the dynamic departments in the college, was founded by Dr. Gajanan R. Ekbote and Dr. Arvind K. Pande in 15<sup>th</sup> June 2005 and is affiliated to Savitribai Phule Pune University, formerly known as University of Pune. The strong motivation of the college, 'Modern' and 'Progressive' made the establishment of the department. It is primarily devoted to academics and research. Dr. Arvind K. Pande, Prof. In-Charge, of the department had a pivotal role in the establishment system. Dr. Rajendra S. Zunjarrao, Coordinator, made the department function smoothly. Since 2007, Dr. Shilpa S. Mujumdar is leading the department as a head.

Currently there are 230 undergraduate and postgraduate students. The department has appointed skilled and well experienced faculty both in academics and research.

The department has three, MOUs with reputed institutes such as Ayurveda Rasashala (Pune), P.E.S. Modern College of Pharmacy (Pune) and Satara College of Pharmacy. Dr. Shilpa Mujumdar has one US patent to her credit in Microbiology. There are 27 publications in national and international journals.

The department had conceded three BCUD projects and two UGC minor research projects. Three BCUD projects completed by the department were entitled as 'Biosurfactant production by plant growth promoting *Acinetobacter* spp. Isolated from rhizosphere environment'(2008-2010), 'Screening of Textile dye biodegraders from Industrial effluent of Pune area'(2008-2010),' Studies on Bioethanol /Biofuel production using alcohol tolerant yeast'(2008-2010), the funding amount for these projects were 3,00,000/-, 2,00,000/-,1,00,000/- respectively. PICC funded project was 'Indole Acetic Acid production by *Acinetobacter* spp. Isolated from rhizosphere environment' (2009),with funding amount 17,000/-. Two UGC minor projects completed by the department were entitled as, 'Studies on biosurfactant/s production by bacteria isolated from mangrove rhizosphere'(2012-14), 'Comparative studies on prodigiosin production from *Serratiamarcensens* using various crude fatty acid sources and its applications'(2012-14), with funding amount of 2,00,000/- each.

Department had organized, a State Level Conference on 'Microbiology in 21<sup>st</sup> Century' on 23<sup>rd</sup> and 24<sup>th</sup> February 2011 and various eminent scientists academicians, such as, Dr. Ramesh Paranjape, Director, National AIDS Research Institute, Pune, Dr. Prashant Dhakephalkar, Scientist 'E', Agharkar Research Institute, Pune, Dr. S. Mohan Karuppaiyil, Professor and Director, School of Life Sciences, S.R.T.M. University, Nanded, Dr. Prakash Thorat, Executive member, AMI; HOD, Microbiology, Shri Shivaji Mahavidyalaya, Barshi, Dr. A.M. Deshmukh, Head, Department of Microbiology, BAMU, Usmanabad were the invited speakers for the conference.

Department had organized, a National Level Conference on 'Dynamic Microbes: Role in Human Welfare' on 20<sup>th</sup> and 21<sup>st</sup> February 2015 and various eminent scientists and academicians, such as, Padmashri Dr. Sharad Kale, Key Note Speaker, Head, Technology Transfer and Collaboration Division, Bhabha Atomic Research Centre (BARC), Trombay, Mumbai, Dr. S. Shivaji, Research consultant, L.V. Prasad Eye Institute, Hyderabad, Dr. Piyush Pandey, Associate professor, Department of Microbiology, Assam university, Silchar, Dr. V.C .kalia, Chief scientist, CSIR Institute of Genomics and integrative Biology, Delhi. Dr. T. Satyanarayan, Department of Microbiology, Delhi university, Dr. N. Mathivanan, Associate Professor, Centre for advanced studies in Botany, University of Madras, Chennai, Dr. Sameer Damare, Scientist, NIO, Goa, Dr. Y. S. Shouche, Scientist F ,NCCS &MCC ,Pune, Dr. Venkateshvaran G., Head, Food Microbiology, CFTRI Mysore, Prof. Ram Chandra, Head (Formerly Scientist-F at IITR), Dept. of Environmental Microbiology, Babasaheb Bhimrao



Ambedkar University, Lucknow, Uttar Pradesh, Dr. Vijai Durg Singh, Scientist F, Infectious Disease Biology, Institute of Life Sciences, Bhubaneswer, Odisha, were the invited speakers for the conference.

Department has collaborated with institutions such as Savitribai Phule Pune University, NCCS, NARI, NTC, NCL, IISER, MCC, Ayurveda Rasashala and Kan-biosys, Pune for research. In association with ASM and AMI department had organized various activities such as a one day workshop 'AMI-ASM Workshop on Art of Science Communication' and renowned personalities such as Prof. Rup Lal (Professor, Department of Zoology, University of Delhi, Delhi and President, Association of Microbiologists of India), Mr. Tim Miller (Spoken Science, Los Angeles, California, USA), Mr. Samir Kamat (CEO & Co-Founder, Splashgain Technology Solutions Pvt. Ltd), Dr. Yogendra Singh (Chief Scientist, CSIR's Institute of Genomics and Integrative Biology (CSIR-IGIB), Delhi), Dr. Neelesh Dahanukar (INSPIRE Faculty Fellow, Indian Institute of Science Education and Research (IISER), Pune) The department has actively participated in a National level project in collaboration with NCCS. Also in association with Maharashtra Academy of Sciences the department had organized special lectures by Professor Jayant V. Naralikar from IUCAA, Professor Mayank N. Vahia from TIFR and Dr. Yogesh S. Shouche from MCC.

The department had organized an 'Alumina Meet' on 2<sup>nd</sup> February 2013 for the post graduate students. The department has also organized a workshop on "**Quality Enhancement**" for the staff members of Department of Microbiology from Modern College, Shivajinagar and Modern College, Ganesh kind, which facilitated discussion on various topics between the staff members.

The department has been actively organizing every year lecture series (since 2007 till date) on various topics ['Green Microbiology', 'Nanotechnology' in Microbiology', 'Applications of Mathematics and Statistics in biology' (2014), 'Microbes in Bio prospecting', 'Microbial degradation and its applications', 'Scope of Microbiology' etc. ] Model and Poster Presentation Competition (since 2010 onwards), Micro-creativity (since 2013 onwards), Quiz competitions (since 2013 onwards).

Department, organizes regularly guest lectures of different eminent scientist's, academicians and industrialist for the intellectual benefit of the students. These lectures boost the knowledge of the students in the subject as well also refine the research aptitude of the students. Many eminent personalities such as Dr. R. L. Deopurkar [University of Pune], Dr. B. A. Chopade [University of Pune], Dr. Milind Watwe [IISER], Dr. Kamlesh Jangid [MCC, NCCS], Dr. Bimlendu Nath [University of Pune], Dr. Mr. Raghavendra Gaikawari (Director, Hitech biosciences), Dr. Gurav [NIV], were arranged on various curricular and extra-curricular topics.

Department, as a part of social responsibility also conducts social activities for both post-graduation students, under graduation students and staff members. All teaching staff and students had visited an orphanage 'Survesha Seva Sangh' at wadgoan budruk, Sinhgad road, Pune, where they interacted with children and performed activities such as craft making and also served them with food.

Department of Microbiology and Association of Microbiologists of India, Pune unit, jointly organized "Microbiology showcasing activity" for the physically challenged students at Apanga Kalyankari Shikshan Sanstha, Wanawadi, Pune. The concept behind this activity was to educate and to create awareness among these special children about microorganisms (Bacteria, Viruses and other microscopic life forms) and their role in health and hygiene. Various renowned scientists and academicians in the field of Microbiology interacted with these students during this activity.

The department organizes visits to various places such as National Institute of Virology (NIV), K.E.M hospital Blood Bank, Kingfisher fermentation industry, Shri. Someshwar Sahakari Sakharkarakhana, Baramati, National center for Cell Sciences (NCCS), National Centre for Toxicology, NARI, Pune, Parvati



water treatment plant, Naidu hospital sewage treatment plant and Katraj dairy for academic interest. Such visits educate students about the functioning of different institutes and industries.

Department has organized on campus and off campus interviews for undergraduate and postgraduate students.

The department actively participates in the entire International and National Conferences held by P.E.S. Modern College, Shivajinagar, and the staff members as well as students participate, as organizing committee members and volunteers respectively.

The staff members often attend various workshops on syllabus restructuring and other academic concerns for post-graduate and under-graduate courses offered by the department, such as 'Implementation of Credit System for PG courses in colleges affiliated to University of Pune', 'Implementation of Credit System in affiliated colleges', Detailing of Restructured F.Y. BSc Microbiology Syllabus', 'Methodology and Details of Teaching-Learning in M.Sc. Microbiology', 'State level seminar on Research Orientation and Methodology'.

The students from the department had also secured university ranks for the academics at post - graduation and under -graduation level. The students and the staff members, also participate in various International and National conferences, workshops and contest (such as State level Microbiological Quiz, organized by R. C. Patel College of Arts, Science and Commerce, Shirpur, Biotech Fest, Zoo Vision, State level conference on 'Recent Trends in Life Sciences', International conference 'Biotechnology for Better Tomorrow', Workshop on 'How to Score More', I2I project competition, COEP, Pune, etc.) organized by various other departments and institutes and till date many students had won prizes in poster presentations, microbiology quiz contest as well different activities such as model poster competitions, bio creativity competitions.

#### **History timeline:**

- 2005-06: The department of Microbiology was established B. Sc. Microbiology course started.
- 2006-07: M. Sc. Microbiology course has started
- 2008-09: A Skill development program, entitled 'Pharmaceutical techniques' was started for M. Sc. Microbiology Part II students; Research center in Microbiology.
- 2010-11: Department has organized state level conference entitled 'Microbiology in 21<sup>st</sup> Century'
- 2011-12: Dr. Smita V. Bhuyan-Pawar awarded a Ph. D. degree by Savitribai Phule Pune University.
- 2012-13: Microbiology Alumni Association for postgraduate students was founded.
- 2014-15: Department has organized a national conference in Microbiology entitled 'Dynamic Microbes: Role in Human welfare'

#### **History timeline:**

- 2005-06: The department of Microbiology was established B. Sc. Microbiology course started.
- 2007-08: M. Sc. Microbiology course has started.
- 2008-09: a Skill development program, entitled 'Pharmaceutical techniques' was started for M. Sc. Microbiology Part II students.
- 2010-11: Department has organized state level conference entitled 'Microbiology in 21<sup>st</sup> Century'
- 2011-12: Dr. Smita V. Bhuyan-Pawar awarded a Ph. D. degree by Savitribai Phule Pune University.
- 2012-13: Microbiology Alumni Association for postgraduate students was founded.
- 2014-15: Department has organized a national conference in Microbiology entitled 'Dynamic Microbes: Role in Human welfare'.



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## **Department of Commerce (Self financed)**

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Progressive Education Society's Modern College of Arts ,Science and Commerce,Shivajinagar,Pune 5 was established in 1970,as the senior college of P.E.Society.The institution was a dream- come- true of the true visionary educationists: founders of P.E.Society – Late Shankarraoji Kanitkar and late V.T.Takate.

Modern College of Arts, Science and Commerce has bloomed to full extent under the able guidance of our Honourable Chairman Prof Dr .G.R.Ekbote. Keeping in view the changing scenario of this globalised world and the increasing demand for professional courses the college was able to start a new department under the banner namely-The Department of Commerce -Self Financed (Business Administration) was constituted in the year 2007.The department started with three courses namely B.COM, BBA and BCA. These courses which were newly constituted were at the infancy stage for few years with the intake of small number. However, since 2010 our department has leaped through rapid strides in terms of student strength, Infrastructure, Faculty and other facilities required for the conducive growth of the department. The department has always strived to give quality education to the students according to the changing demands of this globalised world. The department has always tried to function as a "brand to reckon with".The department just started with 3 courses with five faculties in 2007-08 with the intake of 117 students has reached to 6 courses with 31 faculties with 2495 students in 2016-17. The department had 1 computer lab, the number has increased to 3 in 2016-17 with full fledged facilities.

The Increasing demand for Post graduation course turned as an opportunity for the deparment to start the new PG course .M.com was started in 2012 with the intake of 60 students.

The department of commerce Self financed has gone through sea change in terms of student , strength,Infrastrcture and faculties.This academic year 2016-17 has come up with the addition of two new courses namely M.com E-commerce and BBA(IB).Our college is one among three colleges in Pune to have this PG course.

The department functions with well qualified teaching faculties coupled with efficient admin staff and supporting staff which enables teaching -learning process to function effectively. The students are guided and encouraged to actively take part in the host of curricular and co-curricular activities. Apart from this,A series of activities are organized under Commerce association, Cultural fest – Aarohan, Social Week, Youth week. Inorder to sensitize the students on environmental and social issues Exhibitions on environmental awareness, social visits to orphanages and paraplegic centres are organized. Famous personalities from in and around Pune from various streams are invited to guide and motivate students for a better future.Conferences are organized by staff and students to promote research ,entrepreneurship climate in the department.

Our department has enriched with library consisting of journals, reference books and text book for the student's reference. We also provide indoor games with Gymkhana facilities.

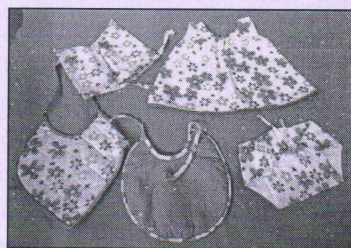
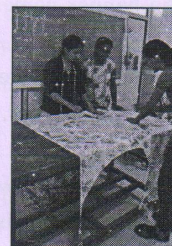
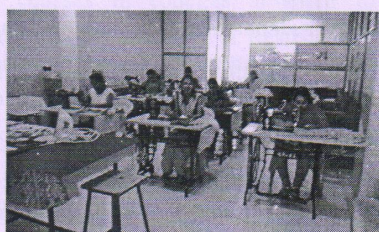
It is one of the largest department with maximum courses which caters to the day to day needs of the students.



## Department of Fashion Technology

### Start of the Journey:

The department was started with the initiative taken by *Progressive Education Society's* Modern College Of Arts, Science & Commerce Shivajinagar, Pune-5. An autonomous Certificate course in Fashion Technology of 6 months was launched with an intake of 10 students in 2014-15. Equipment was purchased from finance provided by our college. The space allotted was about 250 sq.feet, adjacent to the Assembly Hall in the main building of Modern College.



### Salient Features of the Department:

- Well qualified, skilled and dedicated faculty.
- A studio- like department atmosphere for illuminating and nurturing creative ideas.
- Advanced teaching and learning resources and methods.
- Career guidance cell for students.
- Collaborations with various Industries.
- Well-equipped workshop for academic, skill development and research activities.
- Workshops, guest lectures, seminars, exhibitions for overall development of the students.

### UGC, Community College Scheme:

#### Dress Designing & Tailoring

Seeing the initiative taken by Modern College, UGC sanctioned grants of Rs.45.76 lakh to start a Diploma in Dress Designing & Tailoring under the Community College Scheme. The course was started in August 2015 with full intake capacity of 50 students in a new space of about 1200sq.feet. New equipment was purchased and infrastructure was developed for the course. After completion of the course, an exam was conducted by NSDC on 20<sup>th</sup> May 2016.

Modern College is the first and only institute to launch a UGC approved and Savitribai Phule Pune University affiliated course in Fashion Designing in Pune.



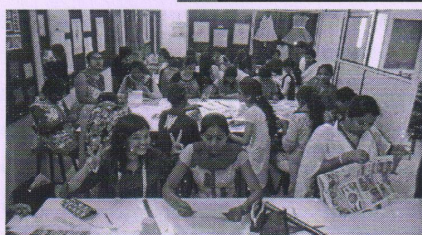
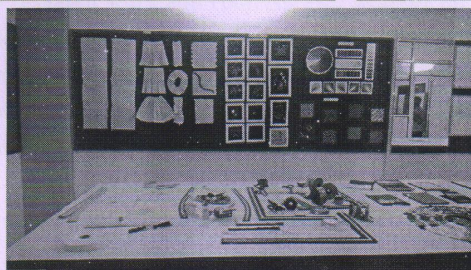
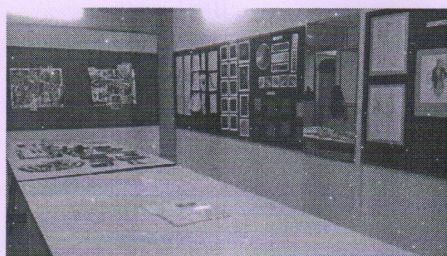
**The course aims to deliver:**

- Judicious mix of skills relating to Fashion Technology,
- Adequate knowledge and skills to enable them to be work-ready,
- Practical orientation with theoretical base,
- Flexibility for students by single entry and multiple exit points in two steps

**Certificate- Diploma:**

As the field is highly professional it will be supported with professional faculty with industry background, special equipment related to fashion industry, dedicated software, fabric library, resource center of fashion, presentation tools, internet facility and timely industrial visits.

**Department set up:**



**Workshop in progress :**

**Students making Paper Bags & Folders for exhibition.**

**Workshop in progress:**

**students stitching garments for class project**

**Darpan Fashion Show-** presentation of ideas and creativity

Fashion show of first batch was arranged to present garments designed, stitched, styled and worn by our design students.

Various techniques learned throughout the year were applied on garments to create mesmerizing collections.

5 collections of dupattas, sarees, ghagra, kurtis and prints walked down the ramp to the rhythm of foot



tapping music.

This grand event was witnessed by students, parents and staff of our Institute in a packed auditorium.

**Fashion Show,**

**First batch of Diploma in Dress Designing & Tailoring:**





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## Department of Botany

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Department of Botany was established in June 1970 under the guidance of Prof. Dr. A.K. Pande. He was the head of the department from 15<sup>th</sup> June 1970. Before joining Modern College in June 1970, he was working in Fergusson College, Pune. In the first decade itself, research activities in the Department of Botany was initiated under the guidance of Prof. Dr. A. K. Pande. Botany subject was taught upto second year B.Sc. until the academic year 1981 – 1982. Botany as a special subject at third year B.Sc. was started in academic year 1982 – 1983.

Post graduate research center in Botany, recognized by University of Pune was started in academic year 1984 – 1985. Dr. A. K. Pande and Dr. R. V. Gandhe were recognized PhD guides. M.Sc. Botany course was started on self-finance basis in the academic year 1994 – 1995. Plant taxonomy was the special course offered to the students of M.Sc. Botany.

After the retirement of Dr. A.K. Pande, Prof. G. M. Bansode became the next Head of the Department followed by Dr. R.V. Gandhe. After the retirement of Dr. R.V. Gandhe, Dr. R. S. Zunjarrao became Head of the Department of Botany from academic year 2006 – 2007. Presently the department is being headed by Dr. R. S. Zunjarrao.

Good research culture has been established in the department. Every staff member has successfully completed at least one research project and published several research papers. So far 12 candidates have completed their PhD research work and received PhD degrees on the basis of their research work carried out by them in the department. Post doctoral research fellows have completed their research work in the post graduate research from the Botany department.

Dr. Mrs. K.R. Gandhe and Dr. T. D. Nikam have also worked as PhD guides in this department. Dr. T.D. Nikam joined the Department of Botany of University of Pune and Dr. Mrs. K.R. Gandhe retired in the academic year 2010 - 2011.

Presently, two elective papers are offered to the students of M.Sc. Botany namely, plant taxonomy and plant biotechnology. There is a choice based Credit System implemented at M.Sc. Botany since the academic year 2013 – 2014, where as, annual pattern of evaluation is followed at B.Sc. level.

Since the academic year 1990 – 1991, several Add – on Courses were designed and implemented in the department. This initiative was made under the guidance of the then Head of the Department, Prof. Dr. A.K. Pande. They are-

- Gardening
- Plant tissue culture
- Mushroom cultivation
- Fruit preservation
- Bio-fertilizers

**Presently the Department of Botany is conducting Add – on Courses in:**

- Seed technology
- Herbal products preparation
- Plant tissue culture

The Head of the Department Dr. R. S. Zunjarrao is working as the principal of the college since July 2008. The Department of Botany has received financial assistance from UGC under its BSR scheme and CPE scheme. It has received financial support through DST – FIST scheme and DBT – Star college scheme. The



department has good infrastructure namely, one post graduate laboratory, one under graduate laboratory and one research laboratory. It has well equipped plant tissue laboratory. Under graduate and post graduate laboratories have ICT (Interactive Communicative Technology) facilities. Presently Dr. Mrs. Neeta M. Patil and Dr. R. B. Barmukh are available in house recognized PhD guides in addition to Head of the Department Dr. R. S. Zunjarrao.

Career guidance tree diagram, plant display and wall paper magazine are few specialized activities of the department and our best and untiring efforts are directed towards achieving excellence.



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## Department of Computer Science

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The Department of Computer Science was established in the year 1986. Our students are in the field of Computer Science and Applications. The first course conducted was B.C.S. (Bachelor of Computer Science) affiliated to the University of Pune with an intake capacity of 30 seats. This was a 3 year course. The number of subjects for F.Y.B.C.S. was 13 which included papers on Computer Sc., Electronic Sc., Maths, Statistics and English. The number of subjects for F.Y.B.C.S. was 13 which included papers on Computer Sc., Electronic Sc., Maths and Statistics. The number of subjects for S.Y.B.C.S. was 9 which included Computer Science and Electronics subjects. Statistics was excluded at S.Y. level. General English and Technical writing was introduced at the S.Y. level. The number of subjects for T.Y.B.C.S. was 9 which included papers on Computer Sc. such as Theoretical Computer Science, Commercial Applications and Computer Hardware.

Due to dearth of Computer Science faculty members, the course was initially conducted by faculties from Physics, Statistics, Maths and Electronic Science. In those days, cost of computers was very high. IBM Personal Computer XT, was made available in the Lab which had a built-in hard drive. The IBM Personal Computer XT originally had 128 KB of RAM, a 360 KB double-sided 5¼ inch floppy disk drive, a 10 MB SeagateST-412 hard drive with Xebec 1210 Modified Frequency Modulation (MFM) controller, an Asynchronous Adapter (serial card with 8250 UART), and a 130-watt power supply. Floppy drives of 360 KB to 1.2 MB were used. The motherboard had an Intel 8088 microprocessor running at 4.77 MHz, with a socket for an optional 8087 math coprocessor. With time, there were further updations in the laboratory.

Due to an increase in the demand for B.C.S. course, the numbers of seats were increased from 30 to 60 and subsequently to 80. In 1999, an additional division was sanctioned and the total intake of B.C.S. course became 160. The Post Graduate course of M.C.S. was introduced in the year 1991 by University of Pune. At that time, this course was available only in four colleges, namely, Nowrosjee Wadia College, DSRF in Pune and HPTRYK, KTHM colleges in Nashik.

In the year, 1994, permission was granted for M.C.S. course in Modern College of Arts, Science and Commerce, Shivajinagar, Pune 5 with an intake capacity of 22 seats. 20 seats were available as per reservation norms laid down by the Government and 2 seats were reserved under instructors' quota. The intake was later increased to 30 per division. In the year 2002, the structure of F.Y., S.Y. and T.Y. was changed. F.Y. exams were conducted and evaluated at the college level. Additional practicals were introduced. Environmental Awareness program was also introduced at the S.Y. level. Semester pattern was introduced at S.Y. and T.Y. level. However, laboratory courses are evaluated on yearly basis. Students receive hands on experience by means of Industrial training projects in the IV<sup>th</sup> semester. Visiting faculties from reputed IT industries were called to guide the students and to deliver lectures for some of the courses.

For M.C.S., the paper pattern was 30:20. 30 Marks External exam and 20 Marks Internal exam. Industrial Training was conducted in the III<sup>rd</sup> semester. In view of continuity for job the Industrial training was shifted to the last semester (IV). Later this was changed to 80: 20 pattern. 80 Marks for External exam and 20 Marks for Internal exam. Upto the year 2002, centralized admission process was conducted. The Industrial Training project was evaluated on the basis of grades upto the year 2012. In the year 2006, entrance exam was introduced which was conducted at college level. Online admission process was introduced from 2009.

In the year 2007, under the vision of the past Vice-Chancellor, Dr. Ashok Kolaskar, the nomenclature of these courses was changed, the courses were also renamed as per U.G.C.'s order since these course titles



namely, B.C.S. and M.C.S. were not listed by U.G.C. The course name B.C.S. was renamed to B.Sc.(Computer Science) and M.C.S. was renamed to M.Sc.(Computer Science). The B.C.S. course was a second choice for students after Engineering. The students received good placement opportunities.

The Credit and Semester based Syllabus for M.Sc.(Computer Science) was implemented from Academic Year 2013-14. This syllabus is the extension of the existing syllabus which is currently being taught to M.Sc. (Computer Science) of University of Pune for the last few years, but modified to be placed within the credit based system to be implemented from the academic year 2013-2014. The aim was to provide technology-oriented students with the knowledge and ability to develop creative solutions, and understand the effects of future developments of computer systems and technology on people and society. The syllabus is about developing skills to learn new technology, grasping the concepts and issues behind its use and the use of computers. Many elective courses were added to suit the growing needs of the Industry. The credit based system introduced more academic flexibility and mobility in learning and evaluation.

#### **Some of the salient features of the Credit System:**

1. Master's degree in Computer Science would be of 100 credits, where one credit course of theory will be of one clock hour per week running for 15 weeks and one credit for project course will consist of 15 of laboratory hours. Thus, each credit will be equivalent to 15 hours.
2. Student will have to take admission and complete at least 75 credits incorporated in the syllabus structure of Computer Science. The remaining 25 credits can be chosen from courses offered by the other Departments subjects (other than Computer Science courses) of the College with credit system structure.
3. Every student shall complete 100 credits in a minimum of four semesters. All Semesters will have 25 credits each.
4. The In-semester and End-Semester examinations will be of 50 marks each.

Continuous assessment tests are conducted in the form of: Mid-term test, On-line test, Open book test, Tutorial, Surprise test, Oral, Theory Assignments, Review of Research paper, Seminar presentation, Journal/Lecture/Library notes, Group Discussion and programming Assignments.

Along with time and taking into consideration current requirements, B.Sc. (Animation) course was introduced in 2013 with an intake capacity of 30. Since then, there has been a consistent rise in the number of students seeking admission to this course. Permission to commence B.C.A. (Science) course was granted in August' 2016. Since it was found to be a bit late to commence the course in the current academic year 2016-17, it would be conducted from the academic year 2017-18. The B.C.A. program is a combination of computer and applied subjects from science stream. The computer related courses are being used to introduce techniques of programming, databases, web designing, system analysis, design tools and different computing environments.

The applied courses for B.C.A. include Mathematics and Electronics which provide theoretical foundation for student. This is a three years (six semesters) full time degree program. The program is based on credit based system comprising 150 credit points. Each of the first three semesters shall have six courses and 24 credits and the remaining three shall have seven courses and 26 credits each. Theory Courses offered shall be of 2 to 4 credits and practical courses of 4 credits each. For theory course, one credit is equivalent to one clock hour direct teaching in a week and for practical course, one credit is equivalent to one and half hours of laboratory work in a week.

The department has a consistent staff with 22 full time faculty members who are actively contributing to the effective functioning of the department. The Student -Teacher ratio (programme wise) is: UG: 18:1,



PG: 20:1 which has visibly improved over the years. The active and highly qualified team of faculty members spares no efforts to keep the students well informed and updated with current trends in technology. The students are also reciprocating with their high achievements in academics at University level. The number of non-teaching faculty is 7. They too are at the forefront in computer literacy.

The infrastructure has been updated from time to time in order to meet the current trends in technology. Internet facilities for Staff and Students have been updated to 10 MBPS from 4 Mbps separate leased line available. Therefore, students can access internet from each and every PC in laboratory. Classrooms have ICT facility; two digital classrooms are available for the students. Each classroom contains projector and internet facility. The machines are used under Linux platform for better system security. There are two servers of type HP Proliant ML 150 G6 Intel xeon 2.00 ghz Windows SERVER. One HP Proliant RHEL 5.0 Server and client machines with Intel core to duo processors and Intel I3. About 24 printers of type LX-800 and LX-300 are available to students. LaserJet 1020 plus printers are available for staff. Laser Color and HP MFP All-in one is available in the department. Structured cabling is available in all the labs with 24 port D-Link switch. Licensed software and open source softwares are installed on machines in the lab.

There has been a rise in Ph.D./M.Phil. and NET/SET qualified staff members. Currently, 1 faculty has completed her Ph.D. and two others are pursuing Ph.D. 3 staff members have completed M.Phil. and 6 staff members are NET/SET qualified. Also, there has been progress in the Research profile of our department.

**Current Research publication details are as follows:**

- Publications in Research Journals International: 10
- Conferences : International 10, National 8, State 1
- Ph.D. Awarded: 1, M.Phil. Awarded: 3
- Staff pursuing Ph.D. 2
- Book Chapter: 1 (Springer International)
- Number of citations in all 17(5+6+6)
- Academic Publications: Text Books: 19

**Table 1: Current Number of Students**

Class	T.Y.	S.Y.	F.Y.
B.Sc. (Comp. Sc.)	141	135	174
B.Sc. (Animation)	10	13	26
M.Sc. (Comp. Sc.)	Part I: 52, Part II :62		

Table 1, shows the current number of students for B.Sc. (Computer Sc.), B.Sc. (Animation) and M.Sc. (Computer Sc.) courses. With the increasing number of students, Library facilities have been updated to meet the growing demand. Apart from the central library, books are also available for each course in the department as follows:

**Table 2: Number of books available in Departmental Library**

Course title	Number of books
B.Sc.( Computer Science)	1942
B.Sc. (Animation)	153



M.Sc. (Computer Science), M.C.A.(Science)	1633
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The Department has an active placement cell which offers assistance for placement. It also conducts various activities such as mock interviews, mock tests, career guidance/counseling, seminars and Industry-Academia meet.

**Table 3: Placed Student percentage**

Academic Year	M.Sc.(Computer Sc.)
2014-15	99
2013-14	92
2012-13	94
2011-12	91
2010-11	92

Table 3, shows the academic year-wise placed student percentage of M.Sc. (Computer Science) students. The activities like mock interviews, tests, Industry- Academia interactions, seminars and workshops have lead to an increase in the number of placements.

**Department conducts following activities every year:**

- Kartikeya Rindani Intercollegiate Programming and Quiz Contest
- R.M Marathe Programming Competition
- Poster Competition
- AurA - 2k16 Animation Workshop
- Placement Activity
- Seminars
- Workshop
- Group Discussion
- Mock Interview
- Personality Development Programme for PG Students
- On-line Admission Process for all the courses
- Conducting of M.Sc. (CS) Entrance Examination at Mass Level
- Student/Career Counseling
- "Zaroka" - The Desktop..... article column
- QH- Connect

The department has had remarkable progress since its establishment in 1986. Following is the year-wise list of HOD's of the department.

Sr. No	Name of the HOD	Year
1.	Prof. M.R. Marathe	1986-89
2.	Prof. S.C. Chandrashekhar	1989-95
3.	Prof. Aparna Shilotri	1995-97
4.	Prof. A.V. Deshpande	1997-2003
5.	Prof. S.S. Deshmukh	2004 onwards

- Prof. S. S. Deshmukh, [Vice-Principal& Head, Dept. of Computer Sc.]



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## Department of Electronics Science

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In recent years, electronics all over the world has made unprecedented growth in terms of new technologies, new ideas and principles. The rate of obsolescence of technologies also has been extremely high. Researchers, academicians, industries are working in unison to meet the challenges of the rapidly growing discipline. The research organizations and industries that work in this frontier area are in need of highly skilled and scientifically oriented manpower. This manpower can be available only with flexible and progressive training programs and cohesive interaction among the research organizations, academicians and industries. Since its establishment in 1994, Department of Electronic Science has been consistently working towards this goal. Over the years department has established itself as a resource and training center in areas of Embedded System design, Communication, Modeling and Simulation, Instrumentation, Robotics, Power Electronics and Agri-Electronics.

The department of Electronic Science was formally established as separate department from June 1994. Earlier it was a part of Physics department. Modern college was the first among few colleges in Pune University to start Electronic Science as a separate discipline in 1986, when University introduced this subject at undergraduate level. Before that in University of Pune, Department of Electronic Science was established at post graduate level in 1984. From Academic year 1985-86 First Year B.Sc. Electronic Science course started and in next academic year 1986-87 one of the subject Electronics introduced at first year Bachelor of Computer Science (B.C.S.).

Prof. M. R. Marathe was the Incharge of Electronic Science Department at the beginning. To elaborate and plan future scope of Subject Electronic Science with the help of Department of Electronic Science and Department of Physics from University of Pune conducted workshops Prof. Sulbha Deuskar took initiative to implement suggestions in this planning. Industrial training during summer or Diwali vacation for students of Electronic Science was essential in those days, and our college successfully done this activity for the benefit of the students. Many of the students graduate from first two-three batches are now in good career, business related Electronics domain.

In 1987-88 Prof. M. R. Marathe of our department appointed as Vice Principal and First Batch of B.Sc. Electronic Science Pass out in this academic year. Dr. Mrs. Pramila Mallya was newly appointed in electronic science department.

Dr. A. W. Joshi in 1988 gave guest lecture on Energy Bands in solids, Dr. Rajeev Pathak delivered lecture on 'Quantum Mechanics'.

1990-91 YCMOU Centre Started, Courses on D base Lotus 1-2-3 WordStar courses were conducted by our staff. Dr. Sulbha Deuskar arranged a visit to NIC (National Informatics Centre) for the benefit of S.Y. and T.Y Students. Mrs. Gupta a program officer of NIC gave a lecture regarding the function of NIC and prospects in the field of computers and informatics. The actual working of super computer was demonstrated to the students.

In academic year 1991-1992 BCS Entrance Examination guidance course was organised by the department. Science exhibition including scientific models, experiments, charts, diagrams was organised with help of Science Association. Dr. S.K. David, Head of the Department Electronic Science, University of Pune inaugurated this activity. Department of Physics and Electronics (were combined in that period) demonstrated total internal reflection and diffraction of light, light dimmer, electronic harmonium, amplitude modulator light controlled bulb were some of the interesting exhibits.

In 1992 (30/08/1992) our first head of the department Prof. M.R. Marathe retired from the service.



From July 1993, separate Electronic Science department was established under headship of Dr. Sulabha Deuskar, which was working as a part of Physics Department.

Satellite receiving system was installed in the department on the occasion of Diamond Jubilee of our parent body Progressive Education Society, Shivajinagar, Pune-5.

Two Research projects were undertaken in 1993-94 by Dr. S. A. Deuskar and Dr. P. D. Kulkarni entitled "Conducting Polymers". Department purchased PC based instrumentation system to study parameters of polymers using computer.

Research Scheme funded by DST "Design and Development of disease management in Grapes" of Rs 10 Lakhs in collaboration with Department of Meteorology, College of Agriculture Pune-5. Under this scheme Dr. S.A. Deuskar worked as investigator and Prof A. V. Math as Co-investigator. It was agrielectronics field and had opened many new avenues for research and development. Department was keen on carrying out interdisciplinary program where students developed timer circuits, moisture measurement system which were used by Department of Botany and Zoology.

Academic year 1994-95 Silver Jubilee year of the college. Department successfully organised Student Industry Meet Project Exhibition (SIMPEX-95). From academic year 1994-95 Department started Post Graduate course M.Sc. in Electronic Science started

Dr. S.A. Deuskar and Student Sandesh Kashikar presented a research paper at the National Seminar on Physics and Technology of Sensors, at Department of Electronic Science, University of Pune on 02/02/1995.

Department organised Science exhibition with help of science association. Exhibits, Models, Charts and experiments were prepared by enthusiastic students. Professor M.G. Takwale, Dean of Science faculty inaugurated the exhibition under the theme, "India can do it". Mr. Ajay Katre and Mr. A.S. Pathak won the first prize in this exhibition.

A minor research project entitled "Fabrication of Prototype Devices using the technique of Photolithography", funded by UGC was completed by Dr. Smita Ghaisas and Prof S. R. Chaudhari. UGC provided funding of Rs. 50000/- for this minor research scheme.

In Academic year 1995-96 SimpeX-96 was held by the department with a view to strengthen the interface between the academic and industrial committees. This program gave concrete offer from the industries to take up joint projects with college students and to form a placement cell to organise campus interviews.

The year 1997-98 India celebrated 50 years of independence as well as in the field of Electronics 100 years completion celebration of invention electron was also celebrated. Along with this invention of semiconductor transistor completed 50 years and invention of Microprocessor completed 25 years, Department of Electronic Science celebrated these landmarks during academic year 1997-98.

In these celebrations department organised one day workshop on "Computer Hardware and Computer Network" for T.Y.B.Sc and Post Graduate students. Shri Satish Repal, Shri Shailesh Chaudhri and Manojkumar from Edge Multimedia Computer Training Institute, Pune-5 were the subject expert. Visit to Mahadaji Shinde Telephone Exchange was arranged to understand practical application of Fiber Optic Communication technology to the students. T.Y.B.Sc. students having "Agrielectronics" as one of the subject visited to Agriculture college and IMD Pune for practical information in the subject. A one day workshop was organised on topic 'Interview techniques for job in electronic industries'. Department also organised workshop on syllabus design for F.Y.B.Sc. Computer Science in August 1997 for teachers from various



colleges under University of Pune. Ms. Varsha Dhonde our staff member cleared GRE and TOFEL examination, also Mr. Sandesh Kashikar selected for computer course in C-DAC pune.

A minor research scheme entitled "Low cost Minimet for farmers" was sanctioned to Prof. B.B.Yenage and Prof. S.S.Thengadi costing Rs. 40,000/- by UGC. Mr.Avinash Shingate and Ms. Archana Deshmukh completed their post graduate projects in collabrations with industry 'Litex Electrical Pvt.Ltd ,Bhosari' as "Life Testing set up for Flash Lamp", and was commercially implemented by the company. Dr.S..Rajshree from this company guided the students. Also from the post graduate project work Ms. Ashwini Bhagat student of M.Sc. Electronic Science was selected as Junior Research Fellow in Centre for Materials of Electronic technology (CMET) in pune.

Dr. S. A. Deuskar, Prof. S. R. Chaudhari has written text books for first year Electronic Science students.

In the year 1998-99 department conducted visit to 'UTSAV 1998' exhibition organised by DRDO Dighi which explored use of Electronics and computers in Defence. Also visits to Vasantdada Sugar Institute, manjari Pune, Agriculture college Pune, IMD Pune, "Tech fest" at IIT Mumbai, 'SAMEER' Mumbai, MELTRON, Yashwant Sahakari Sakhar Karkhana Theur were organised. A Guest lecture on "Therodynamix" by Mr. Mandar Ranade California university and a Guest lecture on "Development of Pentium" by Shri. Rahul Limaye, Design Engineer Intel Corporation was organised by the department. Prof. Mrs.A.S.Apte passed A.D.C.S.S.A. Degree in first class. Mrs. Nanda Ranade awarded with M.Phil. Degree by University of Pune with research title "Modelling of Silicide Formation and Development of Silicide Simulation tool:SIST", in Grade "A". Prof. Umesh N. Hivarkar awarded Ph.D. in subject Electronic Science with research title "Development of intensity modulated fiber optic sensors and their applications". Mrs. Mrunal Puranik completed course in "Image Processing", and choosed same topic for her research work. She represented a reseerch paper on 'Implementation of backpropagation for Automatic Target Recognition' at Artificial Neural Networks and cognitive Systems (ANCS-98) national Conference held in Kochin.

In academic year 1999-2000 department of Electronic Sience started Vocational course in 'Computer maintenance' which was sanctioned by UGC with financial assitance of Rs.9,00,000/-.

Prof. D.B. Gaikwad, Prof. A.V. Kamble and Dr. Sulabha Deuskar presented research paper on 'Automatic drip irrigation using microcontroller' at National Confernece held at Panjabrao Krishi Vidyapieeth Akola, in february 2000.

Prof. D.B. Gaikwad and Dr. Sulbha Deuskar presented research papeer on 'Feasibility of use of thermister as a moisture sensor', at NSPTS-7 conference in University of Pune. Dr. Sulabha Deuskar worked as resource personat various national conferences.

A minor research scheme entitled 'Development of Prototype for Microcontrooler based drip Irrigation System', was sanctioned by UGC to Prof. D.B.Gaikwad and Prof. A.V. kamble costing Rs. 43,000/-

In academic year 2000-2001, Major research scheme was sanctioned to the head of the Depatment Dr. Sulabha Deuskar titled "Development of an educational model to promote basic science education as a acreeer, with special reference to electronic science discipline", by UGC worth Rs. 5.4 lakh.

Dr. S.A.Deuskar was also elected as a member of Board of Studies in Electronic Science at University of Pune for five years tenure.

Prof. S.R.Chaudhari was selected for teacher fellowship for doing M.Phil. on subject Agrielectronics under the able guidance of Dr.S.A.Deuskar. He has to his credit two research ppaers in National conferences at Chandigad (NASI-2001) and Kalpkam (NSPTS-8).

A ten day study tour of T.Y.B.Sc. And M.Sc. students was arranged to CEERI Pilani, IITDelhi, ICAR Delhi and CARE Delhi.



In 2001-2002 Dr. S.A. Deuskar Head of the department was awarded best teacher award by Progressive Education Society, Shivajinagar, Pune-5. Prof. D.B. Gaikwad successfully completed 15 days course on 'Digital Signal Processing' at PICT, Pune. In the Vocational course computer maintenance Shri. Rajesh Wagle from Market Network and Shri. Shibu Nair from ITGI guided teachers and students regarding computer hardware and computer network. Our students of vocational course took responsibility of repair and maintenance of computers in college campus as well as in 'Bhagini Nivedita Pratishthan at Dighi. Mr. Shailesh Khare and Mr. Anand Buddhikot students of M.Sc. Electronic Science had carried out project in 'Microcontroller applications' at Cummins college of Engineering. Many one day workshops were conducted in schools under major research scheme "Development of an educational model to promote basic science education as a career, with special reference to electronic science discipline", sanctioned to Dr. Sulabha Deuskar under UGC grant. Prof. D.B. Gaikwad and Prof. S.R. Chaudhari presented research papers in Agrielectronics at National conferences. Prof. B.B. Yenage was appointed as NSS officer of the college.

A minor research Scheme was sanctioned to Prof. B.B. Yenage titled 'design and development of low cost electronic instrument for biochemical and chemical measurements in college laboratories' by BCUD, University of Pune.

In academic year 2002-03 department of Electronic Science organised national conference on 16,17,18 december 2002 titled "Development of an educational model to promote basic science education as a career, with special reference to electronic science discipline". In this conference 75 teachers from all over India and 40 students participated, 40 research papers were presented in this conference. First accreditation of the college was conducted on 3, 4, 5 December 2002, Dr. Sulabha Deuskar took lead in preparing Self Study report of the college.

Prof. S. R. Chaudhari, Prof. D.B. Gaikwad and Prof. Mrs. A.S. Apte presented research papers at national conferences. Prof. D. B. Gaikwad worked as resource person at workshop in Abasaheb Garware college on topic Microcontroller.

Dr. Sulabha Deuskar, Head of the department was appointed as Board of Studies member on the Technical subjects at Maharashtra state board of secondary and higher secondary education Pune-5. She was also invited as resource person for lectures on NAAC preparation at various colleges and workshops.

In academic year 2003-2004, Dr. S.A. Deuskar Head of the department was awarded best teacher award by University of Pune on the foundation day 10 February 2004. She also appointed as Vice Principal of the college. Prof. B.B. Yenage and Prof. A.V. Kamble were selected for Naval Officer Training under NCC at Kochin.

Prof. D.B. Gaikwad and Prof. M.S. Kshirsagar had participated in 14 days workshop on 'Solid State Sensors' conducted by Shivaji University Kolhapur.

Dr. S.A. Deuskar, Prof. D. B. Gaikwad, Prof. A. V. Kamble, Prof. S. R. Chaudhari presented and published research papers at National conferences.

A Collaborative research programs have been carried out by PG students at BARC Mumbai, Homi Bhabha Centre, Mumbai and SIMMONS Engg. Pune.

Post Graduate students have been provided LCD projector facility for their seminar and multimedia lecture presentation.

A study tour of post graduate students was arranged at NRSA and Central Instrumentation Laboratory Hyderabad, IIT Chennai, department of Electronic Science and IISC Bangalore.

Prof. B. B. Yenage has been selected for pre-commission NCC training Army wing and Mr. A. V. Kamble has been selected for pre commission NCC training Naval Wing.



A minor research scheme was sanctioned to Prof. A. V. Kamble under joint adventure of ISRO and University of Pune, entitled "Feasibility study of Phased array fed reflector Antenna" and the amount sanctioned was Rs. 1,60,000/- for one and a half year.

Dr. Sulabha Deuskar and Prof. S.R.Chaudhari have written text books for S.Y.B.Sc. Electronic Science students.

In academic year 2004-2005, Dr. Sulabha Deuskar was appointed as chairman of Adhoc Board of Studies for vocational courses by University of Pune. Lt. Kamble (Navy) from our department completed three months NCC training in Nagpur and Cochin respectively.

Department organised syllabus framing one day workshop for M.Sc. Electronic Science in this year . A MOU was worked out with Homi Bhabha Centre for Science Education(Mumbai), and last two years two students were undertaken project at HBCSC. One of the student Mr. Pushpam Nayak at T.Y.B.Sc. worked in Indian Armament Technology, Pune for completion of his project Phase array antenna. To test his work he worked on spectrum analyser (13.56 GHz) which was available at this Institute.

T.Y.B.Sc. and M.Sc. students actively participated in the placement activities conducted by college. Students attended test and group discussion of Patni Computer Services, Mahindra British Telecom, G.E. etc.

During academic year 2005-2006 department successfully organised two days workshop for SET examination guidance for the candidates in subject Electronic Science. Sixteen candidate participated in this workshop. Under quality improvement program of BCUD, University of Pune department successfully conducted one day workshop for Implementation of non credit courses' for M.Sc. electronic Science and also organised one day workshop for syllabus framing of S.Y.B.Sc. Computer Science.

Prof. S.R. Chaudhari elected as member of Board of studies in electronic Science and also faculty member of Science in University of Pune.

Prof. D.B.Gaikwad was selected on interview panel as a subject expert by C-DAC for recruitment of hardware engineers.

Dr. Sulabha Deuskar , Prof. D.B.Gaikwad and Prof. A.V. Kamble presented research papers in conferences.

Project competition was organised by the department. Personalities from industries and academicians were called for judgement of projects.

Our M.Sc. students get placement Mr. Ramraj Pandey , in TATA MOTORS (USA) ,Ms. Swati Dashputre and Adil Daruwala Infosys , Yogesh Darekar in WIPRO Technology.

In academic year 2006-07 under Quality Improvement Programme , the college has successfully organised a three day state level workshop on ' Role on women in R & D ' , where Dr.Sulabha Deuskar head of the department worked as coordinator of this workshop.

The staff members organised study tour at Vishay Component electronic component manufacturing company, Loni KalBhor.

During this academic year department organised project competition and exhibition on Science day 28 February 2007. Also our students participated in project competitions organised by Poona college and Singhgad College and won the prizes .

A Minor research scheme 'Establishment of Mini Observatory for educational Purpose' sanctioned to Prof. D. B. Gaikwad and Prof. P. S. Varade by BCUD , University of Pune.

A minor research scheme was sanctioned to Prof. A.V. Kamble , Prof. T.B. Sonawane and Prof. R.V. Vidap entitled "Computerized Antenna Tracking system- microcontroller interface "by UGC costing Rs. 1,30,000/-



A yahoo group of teachers teaching subject Electronics to B.Sc. Computer Science was formed named as 'Computronics Associates' which is managed by Prof. S. R. Chaudhari and Prof. R. V. Vidap.

In the year 2006-07, five students got placement in Tata Consultancy Services and WIPRO technology as Trainee programmer.

Prof. J. A. Bangali selected and registered for M.Phil. Degree by Department of Electronic Science, University of Pune.

In academic year 2007-08, a one day workshop on syllabus revision of F.Y.B.Sc. Computer Science for subject Electronics was organised. State level Project competition for M.Sc. students was organised on 25 March 2008, our department Alumni Mr. Ganesh Shinde inaugurated the competition. Hands on training was organised on PLC from 19 to 23 March 2008 for M.Sc. students with support from Krish Engineers, Pune. Prof. D. B. Gaikwad worked as coordinator for this training workshop.

Prof. S. R. Chaudhari awarded M.Phil degree on the topic "Development of Electronic Weather Station for use in Farmhouse and Nursery". The project work presented at AVISHKAR 2007 has been awarded first position at Pune District competition and selected for University level competition.

A minor research project on "The effect of R.F. waves on Plant growth" was granted to Prof. R.V. Vidap by BCUD Pune costing Rs. 100000/-.

Department organise formal Alumni meet in December 2007. This year also two students got placement in Infosys and Syntel.

Head of the Department Dr. Sulabha Deuskar retired on 30 April 2008.

In academic year 2008-09 Prof. S.R. Chaudhari shouldered as head of the Department of Electronic Science.

A one day workshop on syllabus designing for M.Sc. II electronic Science was organised on 11<sup>th</sup> October 2008 under Quality Improvement Program of BCUD, University of Pune. Also under the same Scheme Department organised National level hands on training program in embedded system from 20 October to 22<sup>nd</sup> October 2008. Dr. K. S. Chari from Department of Information and Technology Government of India inaugurated the program and gave informative lecture on application of embedded system. Prof. D. B. Gaikwad worked as convener for National workshop. Our Alumni gave financial support to this workshop.

Department organise formal Alumni meet on 13 december 2008.

Departmental level Project competition was organised on 27<sup>th</sup> February 2009 on the eve of Science day. State level M.Sc. Project competition was organised by the department on 1<sup>st</sup> and 2<sup>nd</sup> April 2009. The competition was organised with collaboration with IEEE, Solid State Circuits Society (India Council Chapter) and Board of student welfare, University of Pune and our Alumni Ram Raj Pandey (USA). Prof. D.B. Gaikwad worked as coordinator for state level competition.

Prof. A. V. Kamble, Prof. D. B. Gaikwad, Prof. T. B. Sonawane presented research papers in conferences. Our M.Sc. student participated in AVISHKAR competition held at H.V. Desai college on 14<sup>th</sup> February 2009. Also our T.Y.B.Sc. students participated in Undergraduate level project competition in Poona College and Ms. Manasi Date won second prize with our college team received prestigious M. A. MITHA rolling trophy for the best performance team.

M.Sc. students carried out their project work such as ARM Based Data Logger in NCL, Pune and GPS Data Logger in ARK control company at Chinchwad.



In academic year 2009-10, Prof. S. R. Chaudhari took charge of head of the department and also coordinator of IQAC. In the preparation of SSR for second reaccreditation by NAAC Department of Electronic Science took superfluous efforts.

From academic year 2009-10 department added 'Automotive Electronics' as one of the subject for M.Sc. Electronic Science Part II. One day workshop on 'Digital system design using VHDL' was arranged for all PG students of University of Pune, on 13 March 2010. Also, three more workshops were organized for implementation of the syllabus of S.Y.B.Sc. and T.Y.B.Sc. Departmental Alumni meet was organized on 28<sup>th</sup> December 2009.

The course material on practical course which includes Matlab, VHDL, Microcontroller, PSpice, C Programming and PLC programming was provided to the T.Y.B.Sc. students in CD form.

The BCUD research scheme of Rs.250000/- had been sanctioned to Prof. S.R.Chaudhari for the period of two years (09-10.10-11) on "Modeling, Simulation and experimental study of Fiber Optic Tilt Sensors and their applications", Prof. D.B.Gaikwad was co-investigator of the scheme.

Prof. S.R.Chaudhari and Prof. A.V. Kamble written text books for S.Y.B.Sc. students. Post Graduate students completed projects in collaboration with department of Electronic Science University of Pune and SBEM Pvt. Ltd. Katraj.

In academic year 2010-11, Prof. S. R. Chaudhari, Head of the department was appointed as Vice principal of the college from July 2010. Prof. A. V. Kamble was elected as a member of Local Management Committee of the college from 30 March 2010 for the tenure of 5 years.

Practical Handbook prepared for S.Y. B.Sc. computer Science and Electronic Science students. Laboratory Manuals for M.Sc. Electronic Science were prepared for the practical courses Analog Electronics and Embedded system. More than 250 e-books of subject electronics collected by Prof. G.M. Tarate are made available to students. Also more than 100 e-magazines made available in the form of pdf files to the staff and students. Remedial coaching for F.Y.B.Sc. students were conducted in the month of November 2010.

Demonstration of e-learning software 'Sparsh' was organized on 24<sup>th</sup> November 2010, Poster exhibition on Electronic Science projects at PG level was organized on 25<sup>th</sup> February 2011. In July 2011, Prof. D.B. Gaikwad completed 10 days ISTE workshop of IIT Mumbai.

Prof.S.R.Chaudhari, Prof. D.B.Gaikwad represented research papers at conferences.

In academic year 2011-12 Prof. D. B. Gaikwad, Prof. G. M. Tarate and Prof. U. N. Kothawade prepared hardware and manual for CPLD workshops conducted at Pune University, Nagpur University and State level workshop held in the college in February 2012 in our college. In November 2011, staff members and M.Sc. students conducted two day workshop in refresher course at Savitribai Phule Pune University.

From academic year 2011-12 in July 2011 Post Graduate research centre in Electronic Science was established recognized and affiliated to University of Pune.

Practical Handbook prepared for F.Y. / S.Y. B.Sc. Computer Science and Electronic Science students. Laboratory Manuals for M.Sc. Electronic Science were prepared for the practical courses: Analog Electronics and Embedded system.

State level workshop on "Digital system design using VHDL on CPLD board" was organized by the department on 10, 11 February 2012, in association with virtual laboratory, IIT, Mumbai. Prof. G. M. Tarate was coordinator for workshop and Prof. M. B. Patil, IIT Mumbai (Co-Investigator of e-prayog project) present for inauguration of workshop. Prof. D. B. Gaikwad, U. N. Kothawade, G. M. Tarate conducted 3 day workshop for teachers in electronics on refresher course by Department of Electronic science, University of



Pune. Prof. D. B. Gaikwad, Prof. U. N. Kothawade, Prof. G. M. Tarate conducted 3 day workshop at Department of Electronic science, University of Nagpur on 13, 14, 15 December 2012. Prof. D. B. Gaikwad, Prof. G. M. Tarate, Prof. U. N. Kothawade conducted one day workshop on Robotics for M.Sc. students on September 2011. Project exhibition on Electronic science projects at PG level was organized on 25th February 2012.

Prof. P.S. Varade and Prof. T.B. Sonawane registered for Ph.D. work. Staff members presented 6 research papers. In Zonal level research project competition AVISHKAR 2012 organized by BCUD, University of Pune in H.V. Desai College Pune on 14th December 2012, Mr. Mangesh Dayaphule and Miss. Sheetal Mohite M.Sc. Electronic Science presented a project "Automatic Solar radiation Tracker for Electronic Charger used for Laptop" under Guidance of Prof. S. R. Chuadhari and the project Selected for University Level Avishkar 2012. In University level research project competition AVISHKAR 2011 organized by BCUD, University on 23rd December 2011, Prof. U.N. Kothawade guided the students, Mangesh Dayaphule and Sheetal Mohite for project "Maricha, the solar based Charger". This project is selected in state level project competition of AVISHKAR held in Shivaji University, Kolhapur. Prof. U. N. Kothawade guided the students, Mangesh Dayaphule and Sheetal Mohite for project "Maricha, the solar based Charger". Which was presented at sixth Maharashtra State level Inter University Research Convention "INVENT-INCULCATE-DEFINE" AVISHKAR 2011-2012 competition held on 13 to 15 January 2012. Prof. Bhavesh Ahire guided a project "SCADA based water control system" of T.Y.B.Sc. Computer Sc. Student, and this project won First Prize in Intercollegiate Competitions. Prof. Bhavesh Ahire guided a project "Solar based multiple battery chargers" to S.Y.B.Sc. students, this project won second prize in Intercollegiate project competition held at St. Mira College, Pune in January 2012. Advance Biomass Stove Mr. Sumit Gaikwad and Miss Bandana Kumari participated in Avishkar 2012.

Post Graduate students completed projects in collaboration with IIT , Pawavi , and Mumbai as 'e-Prayog, Virtual Laboratory' for which our Electronic Science department became a Nodal Centre under this Project. They provided different 39 boards on CPLD, PLC , 8051 which are related with e-prayog and Virtual laboratory project. Now these boards are used in Post Graduate laboratory for project and practical. Also with GMRT Kodad Narayangaon a project 'Microcontroller based Customized RF Attenuator 'and with Xmetric Solution, Karve Road, Pune a project 'Advance Biomass Stove'.

In academic year 2012-13, with the various grants received like FIST, CPE and BSR infrastructure of department laboratories were upgraded. Instrumentation was also upgraded and latest instruments like digital oscilloscope, digital LCR meter, well equipped computer laboratory, Digital Classroom were installed. One of the best wisher, Shri. V. Y. Kelkar, Pushkarni, 33/34/ B, Erandvana, Prabhart Road, Pune-4, donated precise digital APLAB LCR Q-Meter to our research Laboratory. Post graduate students and staff members are developing various platforms for Microcontrollers, which is professional work and also concerned with virtual laboratory experimentation guided by Mrs. Madhumati Date, IIT, Powai. Post Graduate section of Department of Electronic Science is enriched with all types of platforms needed to develop embedded system. Prof. D.B. Gaikwad completed six days training at IUAC, Delhi related to computer interfaced practical.

Project competition 'Imagine' was organized on 27th February 2013 with collaboration of Society for Promotion of Excellence in Electronics Discipline (SPEED) and Post Graduate Association Modern College, Shivajinagar, Pune-5 Prof. T.R.Kumbhar and Prof. T.B.Sonawane published research papers in international Journals. Our post graduate students participated in Avishkar Project Competition organized by University



of Pune, in Fergusson College, Pune-4 On 10<sup>th</sup> December 2012 and also participated at National level technical festival INTECHXICATION 2013, at MIT Pune during 22, 23 February 2013.

Prof. D.B. Gaikwad and Prof. A.V. Kamble were invited by University of Pune on syllabus revision committee on 18<sup>th</sup> December 2013.

During this academic year, Shri V. C. Bhide retired on 31st January 2013 by completing 33 years of service at our department.

In academic year 2013-14 National Conference on Hazardous e-waste management was held on 23rd and 24th December 2013. This conference was organized by Modern college of Arts, Science and Commerce, Shivajinagar, Pune-411005 (Maharashtra) in association with Department of Electronic Science, University of Pune, Ganeshkhind road, Pune-411007. Department of Electronic Science, Physics, Computer Science hold the responsibility to conduct this National Level Conference. It is the first time in conducting National conference, the research papers were published in journal 'Environment Observer' with ISBN number, which was published and distributed on the inauguration ceremony of the conference. Dr. Arvind Joshi, Chairman, Canadian International, Canada graced the occasion as Chief Guest for inaugural programme. Dr. A. D. Shaligram, Head, dept. of Electronic Science, University of Pune talked about e-product and its main components. Dr. Mangesh Kashyap, President, Seeram, Pune stressed on need and role of individuals in eradicating e-waste. Mr. Rajesh Manerikar of Jan-Adhar organization focused on creating awareness, collection, treatment and disposal of e-waste amongst general public.

Mr. Kshaumesh Antani of ILFSENV elaborated on benefits of recycling and emphasized on the requirement of e-waste recycler plants and also briefed the participants on recycler strategies adopted at ILFS, Vadodara. Mr. Nilkanth Poman, Computer officer, PCMC discussed his view about IEC-Information, Education and Communication of e-waste management. Mr. Sharad Pustake, Advisor, Science and Technology Park, Pune shared his ideas and views about this secondary market for upcoming Entrepreneurs and young graduates. Ms. Pratibha Sharma of SWACH group highlighted the ill effects of e-waste and the need of awareness amongst general public and also the stakeholders. Prof. Poonam Lambhate demonstrated the details of Hard disk free space of LAN. Mr. Vinay Mundada stressed on sustainable design of production of e-products. A panel discussion with experts was held before the valedictory.

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

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

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

In academic year 2014-15, Prof. G. M. Tarate collected more than 500 e-books in the form of .pdf format related to Electronic Science Subject download more than 400 video lecture form NPTEL website for Electronic Science student. Prof. G. M. Tarate prepared note book for the subject of "Control system & application" for M.Sc.II Electronic Science Students. Remedial coaching lectures and practical for F.Y.B.Sc. students were conducted in the month of November 2013.



Prof. P.S. Varade sanctioned a research scheme by BCUD Pune University, of Rs. 1,90,000/-the topic is "Design & development of surface acoustic wave based gas sensors", for 2014-2016.

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

Prof. G.M.Tarate Qualified UGC NET Examination In Electronic Science held at June 2013.Prof. S.R.Chaudhari Invited as expert in Board of studies of Vocational course, University of Pune in designing the second year Vocational course syllabus. Prof. A. V. Kamble University of Pune, co-opted as a member of BOS electronic science as a subject expert.

During this academic year, Mr. Yogesh Kisan Sonwane is newly appointed Laboratory Attendant in. at our department. Ms. Minal Phalke worked as teacher at B.Sc. Computer Science wing and Mr. Mangesh Dayaphule, Mr. Deepak Kumbhar worked as visiting lecturer for Vocational course. Prof. A. G. Gosavi conducted lectures on 'Entrepreneurship' for T.Y.B.Sc. Vocational course. Dr. M. S. Zambre and Dr. Umesh Hiverkar is research guide at our research centre and conduct lectures for post Graduate course. Prof. Kapil Hole Qualified SET and NET Examination in December 2014.

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.

In March 2015 Prof. S. R. Chaudhari, head of the Department, was appointed as member of Life board of Progressive education Society, Shivajinagar, Pune-411005.

In academic year 2015-16, all T.Y. B.Sc. Students completed a certificate course on 'Printed Circuit Board (PCB) Design and Manufacturing. Two day workshop on 'Robotics' was organized on 5-6 January 2015. Prof. D. B. Gaikwad coordinated this workshop. Prof G. M. Tarte was resource person for 2 days training programme on robot using 8051 conducted from 5 to 6 January 2015. Prof D.B. Gaikwad and Prof. G.M. Tarate successfully completed 10 day workshop on computer programming of IIT Mumbai, conducted at COEP Pune. He also participated in "professor summit & short term training programme on "embedded MCUs ' held at MIT College Pune during 30 March to 3 April 2015 organized by Altonel, India. Our Alumni student visited to department at various occasions. Particularly students from Vocational course contributes in practical training to students and Post graduate students guides the students regarding placements and technology revolutions in various fields of electronics. Many of the past students from post graduate visited on the occasion of project competition "IMAGINE-2015", on 28th February 2015.

During this academic year Mrs. Vaishali A. Chaudhari is newly appointed Teacher and Mr. Pavan V.Lambe is working as laboratory attendant at our department.

In academic year 2015-16 a group of four students successfully completed project on "Superconductor and room temperature superconductivity", under Yuva Sanshodhak Scheme of the college. A Project competition "IMAGINE-2016", was organized on 27th February 2016. The students of F.Y.B.Sc. Vocational (Computer Maintenance and Network Administration) arranged industrial visit to 'Creative Engineers S.No.15/A/2 Unit no. 8/9, Darvatkar Industrial Estate, Near Savali Dhaba, Nanded Phata, off Sinhgad Road,Pune,on 28 August 2015. S.Y.B.Sc. & T.Y.B.Sc. Electronic Science along with three teachers organized



a study tour to Amtech Electronics (India) Ltd., Gandhinagar, Gujarat from 7th January to 10th January 2016.

All T.Y. B.Sc. Students attended one day workshop at Abasheb Garware College on "LEARNING THROUGH DEMONSTRATIONS".

Staff members published research papers in international journals. Two day workshop on "Robotics" was organized for T.Y.B.Sc. Electronic Science students on 10, 11 February 2016. Prof. D. B. Gaikwad was coordinator for this workshop.

Hence, department of electronic science has progressed beginning with Physics department in the year 1985 and established in July 1993. B.Sc. Electronic Science, B.Sc. Electronics with Vocational course Computer maintenance, course of Electronics for B.Sc. Computer Science, M.Sc. in Electronic Science and recognized Post Graduate research centre in Electronic Science.

Salient Features of the department are well Equipped Laboratories, Qualified Staff, Personal attention and counseling for students, Opportunity for the students to conduct projects in National level institutes, Interactive Alumni, Departmental Library, Collection of e-books and reference material, Video Lectures (NPTEL, IIT), ICT enabled Laboratories, Virtual Laboratory, Satisfactory results at UG and PG level every year, Department has completed projects funded by Board of College and University Development, SPPU, Pune, University Grants Commission, New Delhi and by ISRO. Workshops, guest lectures, seminars, exhibition, project competition and study tour for overall development of the students.

Infrastructure is sufficient and as far as the instruments and tools are considered, our laboratories are updated. Staff members are also updated with advanced topics included in the syllabus. They are also doing well in research field. Our past students are doing well, recently department conducted Alumni meet for B.Sc. 1990 batch students. In future, department will progress in advanced applications of electronics and our staff members will in position to guide or work as resource persons to other colleges.

**- Prof. S. R. Chaudhari, Head, Department of Electronic Science**



## Department of German

Among many foreign languages German is the most popular foreign language in India which was started long ago in 1914. It has opened up an avenue to not only an understanding of another culture but also for exchange of ideas, scientific knowledge and technologies. Our young Indian professionals are fanning out across the globe for taking up assignments in different fields, be it, finance, engineering or research in pure sciences. Germany is one of the attractive destinations. Due to globalization and rapid industrialization many German, Austrian and Swiss companies have emerged in India. Naturally, even for those who do not venture overseas, learning a foreign language like German has become a need for them, in view of lucrative job opportunities.

German, having a long tradition, legacy of literature, philosophy, science, technology, art and music, will not only help the students in their emotional, cognitive and social development but will help the students develop an understanding of a foreign culture, the good points of which can be adopted and inculcated in one's own life and one's approach to problems. Considering all these advantages of German Language, the college has offered it as a second language in 1976. Since then it has been gradually developing.

### A. Brief Profile of the department:

- Department conducts an undergraduate course for German.

Arts Faculty General: F. Y. B. A. S. Y. B. A. T. Y. B. A.

Commerce Faculty: F. Y. B. Com

- Since 2015, German is introduced as a special subject.
- Three staff faculties.

### B. Books, Journals and periodicals in the department:

- About 70 books on up-to-date developments in German and literature (short stories, novels and poetry books). The list of books can be found in the document listing departmental library facilities and other aides.

### C. Achievements:

#### • Departmental achievements

- A landmark agreement was signed between Modern College and Pasch, an initiative by the German education ministry, was signed on 22<sup>nd</sup> April, 2009. Modern College is one of the 1000 colleges chosen worldwide for an agreement of this sort. Under this agreement, all the teachers and students will be given help in various forms for learning and transferring the knowledge of German language and spreading awareness.
- Thanks to Pasch (Partner Schools, an initiative by the German govt) the language laboratory was equipped with modern amenities such as TV sets, computers and DVD players was inaugurated at the hands of Mr. Bern, Counsel, Federal Republic of Germany, Mumbai. The sponsorship of the Goethe Institute for this language laboratory was to the tune of 4.5 Lakh.

A new German software was installed in September 2011 in the language laboratory which will facilitate teaching and learning of German.



#### **D. Departmental Activities:**

- An International Conference on "Employability Enhancement through Proficiency in Indian & Foreign Languages" was organized from 28<sup>th</sup> to 30<sup>th</sup> January 2013 wherein many experts from academics and the industry presented their research papers, participated in the interactive brain storming sessions and guided students and faculties for improving their employability.
- On 19<sup>th</sup> August 2012, Katharina Klein, an intern from Göttingen University, Germany, conducted an interactive presentation for our students on "Opportunities of Higher Studies in Germany"
- Since 2010 the department has been successfully conducting A1 & A2 certificate courses in German every year. The students appear for the internationally recognized German exams. Our results are satisfactory.
- On 24<sup>th</sup> January 2014 Mrs. Kerstin, an intern from Bonn University, Germany interacted with our students about Germany and its culture.
- On 13<sup>th</sup> March 2014 an industrial visit to Volkswagen, Chakan was organized by the department for students of German. It gave the students insight to the Volkswagen plant. Students' interaction with the General Manager Mr. Halbe was very much informative. He guided them regarding career opportunities.
- A lecture by Steffanie Hausschild, a professor from Augsburg University was organized on 2<sup>nd</sup> February.
- In October 2013 many of our students attended the German Film Festival organized by PASCH.
- In December 2013 our student of German Vedant Natu was selected for the German youth camp organized by PASCH, Sri Lanka. He completed A2 course successfully.
- Our team of German students has been doing environmental projects with the support of Pasch, every year, since 2011. These projects were presented in the Bangalore conference. This year our students Manoj Joshi and Manasi Patil did a project on Hotel Food Waste Management. They got a unique opportunity to represent it in the International Youth conference in Bremen. Prof Narendra Naidu and Dr. Manasi Patil guided the students.
- In July 2013 our German students visited "Mathematics That You Can Teach" exhibition and participated in the Maths workshop.
- State Level German Competition : Prizes

#### **Quiz Competition:**

3<sup>rd</sup> Rank: Team

– Atharva Paralikar, Vedika Sukhatme, Devika Sakhdeo.

#### **Sing a Song Competition:**

3<sup>rd</sup> Rank

Aditi Moghe, Akanksha Kharse, Aditi Parkhe, Simran Mehta

#### **Calendar Making:**

1<sup>st</sup> Rank Level 1: Tanaya Dindore

3<sup>rd</sup> Rank Level 1: Shreyas Kulkarni, Shweta Sathe

1<sup>st</sup> Rank Level 2: Aditi Parkhe, Simran Mehta

- In 2010 seven Indian recipes written in German by our students were selected to appear in a recipe book in German. This competition was organized by the Goethe Institute, Germany. It was a part of culturalexchange.
- Names of the participants – Ankisha Jain, Sharvari Narkhedkar, Rucha Khare and Apar Raje.



- On behalf of the German Dept Mrs. Anja Hallacker, chief of DAAD, Pune, gave an informative presentation on 'Opportunities of Higher Studies in Germany' on 9<sup>th</sup> October 2010.

#### **Students' Activities:**

- Malhar Mone was selected for the prestigious PAD scholarship (Pedagogical Exchange Programme) and went to Germany in June and attended a German Hochschule)
- Samrat Mandlik and Shubham Salokhe presented their environmental project in the conference "Greening with Goethe" which was organized by Max Mueller Bhawan, Bangalore. During this programme our students got golden opportunity to interact with our ex-President Dr. Abdul Kalam.
- Gayatri Achyut stood first in the Pune district essay competition organized by MMCC, Pune.
- On occasion of 60 years of India- Germany diplomatic relationship
- In December 2013 our student of German Vedant Natu was selected for the German youth camp organized by PASCH, Sri Lanka. He completed A2 course successfully.
- In December 2014 our students of German Shambhavi Nabar and Simranjeet Singh were selected for the German youth camp organized by PASCH, Sri Lanka. They completed A2 course successfully.
- In 2010 Indian recipes written in German by our students were selected to appear in a recipe book in German. This competition was organized by the Goethe Institute, Germany. Names of the participants - Pranav Shirole, Rucha Khare and Apar Raje
- Our students Pranav Shirole and Shridhar Kulkarni (2008) were selected to participate in youth camp organized in Himalayas by Goethe Institute. They also passed the German level 1 exam conducted by Goethe institute, Germany.
- A short film on a German poem was made by Vipra Patil, Rutwik Gadgil, Priyanka Ballal and Amita Tiagrajan after attending a film workshop in Max Mueller Bhawan. (September 2010)

#### **E. Activities arranged:**

- Review workshop of F.Y.B.Com syllabus was conducted on 1<sup>st</sup> of December, 2009.
- Students of the department visited an exhibition on German culture at Max Mueller Bhawan, Pune.
- Mrs. Vidya Pingle's guest lecture on 'Importance of German' will be organized in February, 2010.
- A 'Karneval' (2009) - a reputed German cultural festival was celebrated in a grand style with about 500 participants at Modern college. The event kicked off a long-term interaction programme between German and Indian students.
- Our students attend every year German film festival, German concerts and bands by which they not only improve their language but get acquainted with German culture.
- On 25<sup>th</sup> and 26<sup>th</sup> April 2010 a workshop was organized for the teachers of German.
- A two day "Schattentheater" shadow theatre workshop by Georg Mertin was held on 23<sup>rd</sup> and 24<sup>th</sup> September 2011 on behalf of the department. Teachers as well as students participated in this workshop.
- Teaching modules for large group were filmed in the college.
- For a "Teachers Training Programme" developed by MMB Pune, Delhi, University of Vienna and Goethe Institute, Munich a lesson of our faculty Shilpa Rege was shot on 16<sup>th</sup> September 2011.
- Under the guidance of the Prof. Narendra Naidu Vedant Kadam presented an environmental project. It was presented in the international environmental project competition "Greening with Goethe" organized by Max Mueller Bhawan, Bangalore. Our team won first place. (2011)
- Sanhita Bijlani won first prize in the Helmet design competition.
- On 24<sup>th</sup> October 2012 Verena Zimmermann conducted a session on German music for the students



### **Students' Achievements:**

#### **PAD Scholarships**

In the past 25 years following students were selected for the prestigious PAD (Pedagogical Exchange Service) scholarships Bonn, Germany. This selection was done through the competition followed by interview.

#### **The scholarship included:**

- Air travel Pune-Germany-Pune.
- Two weeks' stay with a German family.
- Attendance at a German Higher secondary school.
- Study trip in Germany.
- 1 Sujata Subramaniam (1993)
- 2 Shalaka Kulkarni (2001)
- 3 Amey Paranjape (2005)
- 4 Malhar Mone (2013)

#### **PASCH Scholarships:** Four weeks youth camp in Germany

- 1 Madhavi Bijlani 2009
- 2 Sangeeta Jawale 2009
- 3 Priyanka Ballal 2010
- 4 Sharvari Narkhedkar
- 5 Ankisha Jain
- 6 Rucha Khare 2011
- 5 Apar Raje 2011
- 6 Gayatri Achyut 2012
- 7 Geetanjali Nair
- o In December 2013 our student of German Vedant Natu was selected for the German youth camp organized by PASCH, Sri Lanka. He completed A2 course successfully.
- o Our team of German students has been doing from 2011 every year environmental projects with the support of Pasch. These projects were presented in Bangalore conference. This year our students Manoj Joshi and Manasi Patil did project on Hotel Food waste Management. They got a unique opportunity to represent it in the International Youth conference in Bremen. Prof Narendra Naidu and Dr. Manasi Patil guided the students.
- o In July 2013, our German students visited "Mathematics That You Can Teach" exhibition and participated in the Maths workshop.
- o State Level German Competition : Prizes

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- Atharva Paralikar, Vedika Sukhatme, Devika Sakhdeo

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Aditi Moghe, Akanksha Kharse, Aditi Parkhe, Simran Mehta



#### **Calendar Making:**

1<sup>st</sup> Rank Level 1: Tanaya Dindore

3<sup>rd</sup> Rank Level 1: Shreyas Kulkarni, Shweta Sathe

1<sup>st</sup> Rank Level 2: Aditi Parkhe, Simran Mehta

- Sangita Bijlani won the first prize in helmet design competition.

#### **Activities & Achievements of the Faculties**

##### **○ Sanjeevani Kuvalekar**

A delegation of educationists was invited by German Embassy, Delhi from 21<sup>st</sup> November to 30<sup>th</sup> November 2012 to visit Germany's vocational training centres. Sanjeevani Kuvalekar was invited for this as a member of Board of studies of MSBSHE.

- An essay titled 'Future of German language in your country' written by Mrs. S. V. Kuvalekar was selected among the best 5 in an International competition organized by Goethe institute and will be featured in a journal to be published soon.
- At the invitation by the German government, Mrs. S. V. Kuvalekar visited Germany to study the school system in Germany.
- Completed successfully online course of Didactics and Methodology organized by Goethe Institute, Munich, Germany (2010).
- Was invited to Hamburg, Germany to participate in the International Seminar for the German teachers (June 2010).
- Was appointed as a convener of Board of Studies of German, French, Russian and Japanese of Maharashtra State Board of Secondary and Higher Secondary Education.
- Was invited by SCERT to frame the syllabus of VIII German.
- Worked as coordinator of 10<sup>th</sup> Std. German textbook and CD coordinator as well.
- Conducted as a resource person a workshop on 14<sup>th</sup> July on the new textbook of German for the school teachers.
- Worked as a core committee member throughout the year for the celebration of 'Hundred Years of German Teaching in India & in Pune'. It is a matter of pride that the teaching of German language is completing 100 magnificent years in India. To commemorate the 'Centenary of German Teaching' German dept. of Pune University initiated different academic and cultural events. One of these various events was state level competitions for all students of German i.e. from school to post graduate students. This mega event was organized in November-December 2013 in Modern College by Sanjeevani Kuvalekar.
- **Alka Kulkarni** was invited to Germany on PAD scholarship & participated in the seminar on Orthography organized by Max Mueller Bhawan in August 2012.
- **Shilpa Rege** was invited to Germany on PAD scholarship & participated in the seminar on Orthography organized by Max Mueller Bhawan in August 2012.
- On 26<sup>th</sup> February 2014 Shruti Narayan presented her research paper on "Philosophieren im Germanistikstudium. Zum Einsatz literarischer Texte als Mittel zum Verstaendnis in B. A. Studium in Pune" in the International conference on 'Genre' organized by the German Department of Pune University and Goethe Society of India in February 2014.

**All above mentioned activities and achievements of the students and faculties have contributed for the development of the German Department.**



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## **Past Students' Association**

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Past students' association was formed on 26<sup>th</sup> January 1973, i.e. after three years of establishment of college. It speaks for the awareness about the need to have such organization and the important role of the past students in the college development. Though not registered it has been very active since then. Many programmes were undertaken through the active participation of past students and faculty members.

Principal Limaye, Principal Gambhir, Principal Navalgundkar, Principal Paranjpe, Principal Apte, Principal Gosavi, Principal Zunjarrao and other faculty members motivated and supported past students for such activities.

The following faculty members guided the past students for conducting activities: Prof. Dr. Bhimrao Kulkarni, Prof. V. G. Joshi, Prof. Mukund Mahajan, Prof. Manohar kulkarnt. Librarian Mr. Bapat, Registrar Mr. Y. P. Deshpande.

Past students gathering was organized on 26<sup>th</sup> Feb for few years. The nature of such gatherings was, self introduction by past students, entertainment programme, report on college progress and refreshments. Some programmes organized by the past students included films (bearing social message) shows and lecture series by eminent personalities.

In addition to the activities at the college level, various activities are conducted at departmental level. All departments have frequent interaction with the past students. They are invited to share their experiences with the current students helping them getting exposed to the realities of world of work. They are also invited as experts at seminars, for delivering guest lecturers in the areas of their expertise, experts / judges for competitions etc. past students of some departments also provide career guidance and help placement of the students.

In order to have continuous and formal interaction with the alumni college decided to form a Past Students Association in the name of Modern Alumni Association. On 15<sup>th</sup> may 2014 Modern Alumni Association has been registered as a charitable institution.

The process of online registration of past students as association member is in process.

### **The main objectives of this association are:**

1. To assist the College in organising activities for the benefit of students.
2. To help the College for strengthening its infrastructural activities.
3. To arrange the lectures of Honorary Members and other respectable personalities in various fields and encourage the students to expand their horizon while entering in the real life.
4. To provide guidance to the students of the College with reference to career choice and development.
5. To organise activities for social awareness and social benefits.
6. To encourage students to become entrepreneurs by undertaking training programmes in various forms.
7. To help the students with the help of ex-students for giving better opportunities in placements and with the help of ex-students exhaust the possibilities of giving practical knowledge and exposures to the students.
8. To build a pool for long time relations with all the ex-students and the present students of Modern College for promoting the objects of the present Society.
9. To cater the professional and personal needs of the alumni and the students of the Modern College so as to build the better relation with the Modern College for advancement of the objects of the present



Society.

10. To carry out various personality development programmes, seminars, camps, and other such related programmes in order to promote the objects of the Society.
11. To develop multi faceted professionals by initiating, developing and imparting value based, market driven, industry oriented, practical and highly sustainable education in various fields.
12. To undertake domestic and international consulting projects with the aim of carrying out activities, beneficial to the Trusts, Institutes as well as students and also to help the industry at large gain fresh and creative insights and corporate entities.
13. To develop, nurture and imbibe virtues of self less service, corporate governance and nation building in the youth of the country.
14. To establish free ships, scholarships and grants to the boys and girls, who have a scholarly disposition and /or, who have no recourse to pursue higher studies and also to assist guide and financially help all these persons/ institutions involved in social work.
15. To publish periodically books, papers, articles etc., on management, science, technology, engineering, legal and other subjects of broader interest.
16. The Association shall undertake various activities with the prior consent of the Principal - Modern college of Arts, Science and Commerce, Shivajinagar, Pune 411005 and Chairman, Business Council, *Progressive Education Society*.
17. The activities of the Association shall be based on secularism and shall not harm the feelings of any caste, creed, religion, etc.
18. The activities of the Association shall not interfere and /or disturb the regular working of the College.

The members of the first Managing Committee of Modern-Alumni Association are as follows:-

No.	Full Name	Type of Membership	Designation
1.	Dr. Gajanan Ramakant Ekbote (Chairman, B.C. PES)	Management Member	President
2.	Dr. Rajendra Shankarrao Zunjarrao (Principal)	Ex Officio Secretary	Secretary
3.	Dr. Nayana Jagannath Kulkarni (Vice Principal)	Ex Officio Member	Treasurer
4.	Dr. Sanjeevani Kailas Rahane (Associate Professor)	Ex Officio Member	Member
5	Prof. Narendra Madhukar Naidu (Associate Professor)	Ex Officio Member	Member
6	Prof. Mrs. Jyotsna Gajanan Ekbote (member LMC)	Management Member	Member
7	Prof. Shamkant Shrikant Deshmukh (Secretary, PES)	Management Member	Member
8	Prof. Atul Ramchandra Deshpande	Alumni Member	Member
9	Mr. Abhaykumar Manikchand Lalwani	Alumni Member	Member
10	Mr. Sanjay Katkar	Alumni Member	Member



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## **Planning Forum**

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The Planning Forum is the forum which gives non-formal education on economic policies of the nation to the students of senior colleges of India. In the history of all well established colleges of the nation , planning forum has been a platform for co-curricular activities.

Modern College of Arts, Science & Commerce, Pune-5 is no exception to this and we had our Planning Forum from 1976. The central government encouraged the Planning Forum activities through UGC. Till the ninth five year plan, the UGC provided funds to colleges to carry on the activities of the planning forum.

From 1976 to 1996, the forum had conducted various activities like inviting guest speakers from the Gokhale Institute of Politics & Economics, Pune, Educational tours were conducted for the students, Seth Walchand Hirachand Elocution Competition, sponsored by the Forum of Free Enterprise ,Mumbai etc. The topics for the elocution competition were the burning topics of contemporary economics. This helped in grooming the leadership qualities of the students through knowledge of economics.

The activities of Planning Forum focus on the core knowledge of economics and the humanities in general. Hence, the Planning Forum consist members from the streams of social sciences & commerce.

The broad activities carried by the Planning Forum from 1996 onwards were Economic Quiz, Essay writing, field study, mock interviews, group discussions, elocution competition, debate competition, guest lectures by eminent personalities and power point presentation(since 2011). The judges for the competition are faculty members of the college. The faculty members of the Planning Forum have witnessed a metamorphosis in the personality of the students .The experience of change in personality have been narrated by the participant students as a testimony during felicitation function.

In 2014-15, we had compared the activities of the Planning Forum of our college with the top colleges of the nation like St. Stephens College, New Delhi and others. It was observed that the contents of the activities are on par with the top most colleges of the nation. It has to be added that the availability of the multipurpose assembly hall since 2008 have resulted in ease for conducting the activities and helped in increasing the graph of the activities. We appreciate this priority given by Principal Rajendra Zunjarrao immediately after joining the post.

Dr. Ashok Pathare, Dr. Mukund Mahajan, Prof. Ramesh Shah, Prof. Vinita Kulkarni, Dr. Madhu Satam had worked as chairperson of the planning Forum. Since 2004, Dr. Abhay Shende is working as chairperson along with the team of faculty members Prof Padmashri Majumdar, Dr. S. S. Deshmukh, Prof. Rupesh Deshmukh and Prof. Sandhya Vartak.

**- Dr Abhay Shende, Chairperson, Planning Forum**



## Film Club

The available records revealed the existence of a Film Club in the academic year 1977-1978. The teachers and the non-teaching staff of the Modern College of Arts, Science and Commerce, Shivajinagar, Pune-5, formed the 'Modern Film Club' with a very simple objective – to show classic movies from India and abroad. With the help from Film Archives and Film Institute, Pune, the club tried to show at least one film every month. Shows of notable films by Charlie Chaplin were arranged in the same year. The planning for the next year included formation of discussion groups and registration of the Film Club. It seems that the club functioned for next one or two academic years, but has no available records of its existence after that.

In the academic year 2008-2009, under the guidance of Principal Dr. R. S. Zunjarrao, the Film Club was restored with a little different set of objectives. The presentation of subject matter in the form of animated media is usually of short duration and very specific. To have even a broader view and understanding of the concepts, short films and documentaries have always proven beneficial. Since its reformation, the Film Club's main objective was to exploit this fact. The club started collecting such documentaries on various aspects of life sciences, earth sciences and social sciences. In the last seven years, the Film Club had organized the shows of the following documentaries.

1. **Organic farming:** This documentary explains the pros and cons of inorganic fertilizers and elaborates on the concept and need of organic farming.
2. **Planet earth – Desserts:** This documentary unfolds the growth and behavior of plants growing under xeric conditions.
3. **Historical battles – Stalingrad 1942:** A documentary revealing this important battle from WWII which changed the course of the history.
4. **Tsunami:** It explains the formation and destructive powers of Tsunamis and technological assets to predict its formation and destructive force.
5. **Global warming:** It explains the concept and consequences of gradual increase in the earth's temperature over the past two centuries.
6. **Planet Earth – Jungles:** A BBC documentary describing different types of forests across the globe and the diversity of plants and animals they contain. It also illustrates the importance of tropical rain forests and their ecology and impact on organisms.
7. **Journey to the edge of the universe:** This documentary takes the viewers on a ride to the edge of the known universe and explains the formation on the way.
8. **Planet Earth – From Pole to Pole:** A documentary produced by BBC describes the diversity of flora and fauna from North to South Pole along with comments on geographical and climatic highlights.
9. **Private Life of Plants - Growth:** This documentary describes the growth of plants from a small seedling to huge rainforest tree.
10. **Understanding Viruses:** A documentary produced by National Geographic channel describes how viruses attack living cells of plants animals and bacteria, and manipulate them for their own benefit.
11. **Charles Darwin :** A BBC film describing the voyage of Charles Darwin and his thinking processes which led him to formulate the famous statement 'survival of the fittest' and also the theory of evolution.
12. **The Great Events – Migrations:** A documentary describing the migratory birds and animals and the challenges they face during their seasonal migrations, some of which are of hundreds of kilometers.
13. **Private Life of Plants - Growth:** This documentary describes the growth of plants from a small seedling to huge rainforest trees.
14. **Plant Kingdom -** A film in three episodes made by BBC. This documentary is narrated by Sir David Attenborough who describes various events in the life of plants. The documentary is filmed at the Royal



Botanic Garden, Kew, London.

15. **Private Life of Plants – Migration:** This documentary explains how plants adapt to disseminate their propagules to occupy new habitats.
16. **Understanding Viruses:** A documentary produced by National Geographic channel describes how viruses attack living cells of plants animals and bacteria, and manipulate them for their own benefit.
17. **Fukushima – Is nuclear power safe?:** This documentary describes the accident at Fukushima Nuclear Power Plant, Japan and its aftermaths. The film is anchored by Prof. Dr. Ali Al-Khalili, who has presented the pros and cons of the nuclear power and finally supports the use of it.
18. **Earth without moon:** A very interesting documentary speculating what would have happened if the earth did not have the moon. The documentary underlines the vital position of the moon with reference to the earth and its significance.
19. **Private Life of Plants – Living together:** A documentary explaining the relationship among various plant groups and how they support their growth and establishment.
20. **Secret of our living planet:** This documentary is based on the forest ecosystems all over the world. It explains the types of forests, recycling of nutrients importance of fungi in forest ecosystems and importance of forests in supporting different organisms.
21. **Earth without Moon:** A documentary produced by BBC describing how the earth would have behaved had there been 'no moon' condition on earth. The documentary portrays the changes in the season's pattern, temperature, consequences of not having high and low tides etc.
22. **Private Life of Plants - Growth:** This documentary describes the growth of plants from a small seedling to huge rainforest tree.
23. **100 Greatest Discoveries – Biology-** This documentary explains the importance of 10 great discoveries made in the science of Biology. This includes the discovery of a compound microscope, discovery of nucleus, mitosis type of cell division, cell, first neurotransmitter, etc.
24. **Kingdom of Plants: Survival –** A documentary by BBC on Royal Botanic Gardens, Kew and the facilities in the institution to help understand how plants reproduce in various environments.
25. **Plant Kingdom -** A film in three episodes made by BBC. This documentary is narrated by Sir David Attenborough who describes various events in the life of plants. The documentary is filmed at the Royal Botanic Garden, Kew, London.
26. **Secret of our living planet:** This documentary is based on the forest ecosystems all over the world. It explains the types of forests, recycling of nutrients importance of fungi in forest ecosystems and importance of forests in supporting different organisms.

Apart from these documentaries, a short documentary on Greenhouse Technology has been shown every year to the students of F.Y.B.Sc. Div B.

The students of M.A. English are expected to study Othello and Macbeth as a part of their syllabus. Films based on these dramas were screened exclusively for these students. Two more films, 'Ran' and 'Hamlet' by The Royal Shakespeare Company were also added to the list.

The Film Club has also extended its activity to NSS. A documentary 'The Secret' was shown to the students of NSS during their camps. The documentary illustrates the importance of positive thinking and how it improves our life.

In association with the Department of Psychology, the Film Club had arranged 'Psych Film Fest 2015' in which three films, Kadachit (Marathi), Anjali (Hindi) and Provoked (English) were screened and discussed.

The Film Club is now planning for more frequent film shows and to reach more students in the years to come.



## MOM

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Mom karandak dwandwa geet spardha (Mom trophy duet song competition) was actually started in the year 1994-95 as a part of many other activities of the 25th year celebration of Modern College, Shivajinagar. However, it was continued further for 10 years as an activity of Arts Circle of the college.

It was an inter collegiate duet song competition which became very popular among the students of different colleges. Year by year the organising committee made many changes in the nature of the competition to suit the latest environment.

In the beginning, the competition was held in the college auditorium but after 2/3 years due to the increased popularity of the competition, the organising committee shifted the competition venue to a bigger hall in Pune city, like Nehru Memorial has or Bharat Natya Mandir.

Initially the competition had only one round of songs of the students' choice and the prizes were declared. But year after year new rounds were included such as judges choice, songs of a particular music director/artist, songs from a particular period etc. the rounds were decided by the experts and organising committee members.

The competition received the attention of college alumni who also helped in conducting the competition. The unique feature of the competition was introduced with the help of college alumni that was the 'Karaoke' round. This round was conducted with the help of prerecorded music tracks. In Pune city it was for the first time such competition was held with the help technology.

Eminent personalities from the field of music were called as the judges of the competition. The competition was judged by the persons like Anand Modak, Pramod Ranade, Mukund Fansalkar, Anuradha Marathe, Suvarna Mategaonkar, Ajeet Soman etc.

Many of the today's playback singers and musicians have started their career through this competition. To name a few are Vibhawari Apte-Joshi, Hrishikesh Ranade, Prajakta Ranade, Jasraj Joshi, Amey Jog, Amruta Natu, Dhawal Chandwadkar, Mathilee Panase, Meenal Phadke, etc.

Mom trophy competition was a great success because of the constant efforts of the teaching and non teaching staff and the patronage of The Principal and *Progressive Education society*.

- Suneeta Gosavi



## **Vidyarthini manch / Yuva manch**

In 2003 College authorities established a manch for girl students. Objectives of this manch are to encourage girl students and motivate them to develop their inner qualities.

Dr. Nayana Kulkarni was the first chairman of this manch and Prof. Sunita Purohit was a coordinator. After taking a charge of vice principal of arts faculty by Dr Nayana kularni, Prof. Sunita Purohit became a chairman of this manch.

From 2003 manch had organized various activities for the girls. Every year eminent personalities were invited for the inaugural function, for example,

1. Famous Directors Sumitra Bhavé & Sunil Sukhthankar
2. Assistant Police Commissioner Bharati Kurhade
3. Advocate and ex-Mayor Vandana Chavan
4. Women activist Smt Kiran Moghe
5. Principal of Law College, Pune, Dr Vaijayanti Joshi
6. Swami Siddheshananda from Chinmay Mission
7. Dr Dhananjay Lokhande, Director of "Adult and Continuing Education Centre of P.U."
8. Dr Anil Avchat – Social Activist

Manch had organized various types of workshops with the help of Adult and Continuous Education Centre of Pune University and college administration.

**Following workshops were organized from 2003 to till date.**

1. Navya Wata Navya Disha, Vyavasay Margadarshan - People from domestic business were invited to guide the girl students. Like D.T.P., vegetable packing, Jewellery and perfume making, soft toys, purses, catering, etc. Personality Development Lectures were organized on physical and mental health.
2. Women empowerment programme – Lectures were organized by well known Doctors, social workers and counselors.
3. Nirbhay Kanya Abhiyan – Organized lectures on Nirbhayata, Communication skills and importance of unity among women.

Manch had organized some special programmes, for example,

1. Mazi Aai Mazi Maitrin - Manch invited girl students with their mothers and gave them a platform to express their relations and problems.
2. Savitribai Phule Jayanti – On this day (3<sup>rd</sup> Jan) manch organized special programmes, for example,
  - (i) The biography of Savitri – An exhibition of posters and historical events of her life.
  - (ii) Vhaya Me Savitribai – Some solo performances
  - (iii) Organized a quiz on Savitribai Phule's life.
3. Manch organized selected film shows, dramas like Chakori, Sat Chaya Aat Gharat, Mulgi Zali ho, etc.

From 2011, college authorities decided to change the name of Vidyarthini manch to Yuva manch because the activities of this platform are both the boys and girls.

This platform successfully working for students to encourage and motivate them to participate in various activities and also helping them to be best citizens of India.

**- Prof. Sunita Purohit, Chairman Yuava manch /Vidyarthini Manch**



