



MODERN EDUCATION SOCIETY, PUNE

The D. G. Ruparel College

OF ARTS, SCIENCE AND COMMERCE

IQAC REPORT

2010-2011

MODERN EDUCATION SOCIETY'S
The D. G. Ruparel College
OF ARTS, SCIENCE AND COMMERCE
Senapati bapat marg, mahim, mumbai 400 016.

The Annual Quality Assurance Report (AQAR) of the IQAC
2010-2011

Part A:

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year.

The College underwent the Re-accreditation process in the month of August 2010 and received the 'A' grade from the National Assessment and Accreditation Council, Bangalore.

After taking stock of the changes brought about in the course of 2009-2010, the IQAC decided to consolidate the gains made and work on the following areas:

- * Introduction of new Self-sustaining courses.
- * Further increase in research activities, in staff and students alike.
- * More widespread usage of innovative teaching methods, including ICT.
- * Exploring more areas for the institutional industry linkage.
- * Greater contact with experts from various fields through guest lectures, seminars, workshops and conferences.
- * Greater responsibility towards the environment.
- * Use of more comprehensive software for effective governance.
- * Strengthening the services offered by the career counselling centre.
- * Improvement in Sport facilities.

Part B:

1. Activities reflecting the goals and objectives of the institution:

MISSION:

In accordance with its motto 'For the spread of light', The Modern Education Society aims to create and disseminate an atmosphere of learning and research of a high academic, professional, ethical and ecological standard in which learners can gain knowledge and skills encompassing a wide range of disciplines - humanities, physical, biological and social sciences, law, technology, management and commerce - which will result in multidimensional personality development of the learners and will enable them to fulfill the needs of industry and the community at large.

The Mission Statement of the College is one that reflects in both, the activities and the aspirations of the College. Accordingly, every year the performance by the students and the staff is a step towards betterment. The College considers itself to be the best competitor of its own and hence, strives consistently towards bettering its performance.

VISION:

Quest for lifelong learning –

Continuous efforts are taken to impart to learners, the knowledge and the skills that are relevant to the demands of the changing times. Encouragement is given to the faculty to adopt innovative methods of teaching that will cater to the needs of learners at various levels of study. The College is recognised as a premiere institute of learning, which can be seen through the manner in which people flock to seek admission to the college after the Standard X results.

Learners as the focus -

Learners are regarded as the focal point of all activities and efforts are taken to adopt policies that effectively meet their needs. Teachers impart skills which can translate into practical applications in various spheres of life, viz. personal, professional and national. This supports curricular training with co-curricular and extra-curricular activities which is aimed at building the overall personality of the learners. The college provides learner-centric academic and personal enrichment opportunities. The learners are empowered to pursue their goals and are guided towards self-actualisation.

+ Stimulation of active learning –

Critical thinking through freedom of thought and expression can be developed by adopting an integrative and inclusive approach towards various disciplines. It also helps in nurturing talent and creativity.

+ Fostering research –

Students as well as faculty members are motivated to take up research projects which help in creating a mindset for inquiry and also inculcate an analytical attitude and scientific temperament.

+ Efficient Governance-

The management identifies new means of resource generation and ensures optimal deployment of resources. It aims at developing state of the art infrastructural facilities. The decision-making process is participative and it is effectively communicated to all the stakeholders. Transparency in functioning is maintained. There is constant assessment and upgradation of processes to ensure maximum productivity.

+ Collaboration with industry-

Synergistic alliances with well-known academic, research and consulting institutions are being developed. An interface with the industry is being created to ensure that the skills imparted to the learners are in consonance with the needs of the industry.

+ Social responsibility-

Learners are sensitised about social, ecological, economic and political issues in an endeavour to find solutions that will benefit society as a whole. Positive role modeling is provided in order to create responsible citizens.

2. New academic programmes initiated (UG and PG):

- Department of Botany conducted a Certificate Course in Horticulture entitled *Glory of Horticulture* from 7th January to 15th January 2011. Thirteen students successfully completed the course under the expert guidance of Dr. Neeraja Ambiyé and Ms. Rachana Birje. The course was coordinated by Dr. V. V. Golatkar, Head, Department of Botany. The course imparted knowledge of Flower arrangement, Bonsai, Terrarium, Dish garden, fruit and vegetable carving and floral rangoli to the students. This course will help to fulfill the pressing need of self employment.
- The Department of Chemistry conducted a certificate course in *Industrial Analytical Chemistry* for undergraduate students of science in April 2010.

- The Department of Economics conducted *Introductory course in Basic Econometrics*.
- *Information Storage Management Certificate Course* was conducted by Mr. Mandar Bhave for I.T. and Computer Science students.
- The Department of Physics conducted a short term certificate course from November 2010 to April 2011 entitled *Perspectives of Basic Astronomy*. Twenty students successfully completed the course. Overnight star-gazing camps were organized for the students at the College campus as well as at the villages on the outskirts of Mumbai. Now the Department is in possession of three reflecting type telescopes of 8", 6" and 5" in addition to two 2" refracting type. The Department has also initiated *TECHNO-SERIES*. In this activity lectures by eminent personalities were arranged on various topics such as science behind packaging, bio-instrumentation to benefit UG and PG students.

3. Innovations in curricular design and transaction:

Members of the Teaching Staff hold numerous responsible positions on University Committees, which enable them to contribute to important decisions in the teaching-learning process.

- Dr. Vikas Golatkar, Head, Department of Botany, is member Faculty of Science, B.O.S. in Botany and member of Syllabus Committees formed to frame the syllabus for undergraduate and postgraduate students. Revised syllabus in Botany for T.Y.B.Sc. was implemented from the academic year 2010-2011.
- Dr. Vikas Golatkar, Head, Department of Botany was invited to become a member of B.O.S. in Botany by S.N.D.T. University, Mumbai to frame the syllabus for T.Y.B.Sc. (Botany). He was also appointed on the examination committee of SNDT University by the board members.
- Dr. N. R. Pai, former Head, Department of Chemistry is a member of the syllabus committee for Organic Chemistry for F.Y. and S.Y.B.Sc.
- Dr. R. V. Rele, Associate Professor, Department of Chemistry is a member of the syllabus committee for M.Sc. Part- I (Inorganic Chemistry).
- Mr. S. A. Mahimkar, Associate Professor, Department of Chemistry is a member of the syllabus committee for M.Sc. Part- I (Physical Chemistry).
- Dr. P.A. Salvi, Head, Department of Economics is a member of BOS.

- Ms. J. D. Mehta, Head, Department of Mathematics, worked as a subject expert on the Subject Board for the Department of Mathematics, St. Xavier's College, Mumbai, to prepare the syllabi for the various courses and to suggest methodology for innovative teaching.
- Dr. Tushar Desai, Reader, Department of Physics is a member of the 32(5) Examination Committee of University of Mumbai. He is also a member of the Academic Council and Convener of the Board of Studies in Computer Education and Information Technology, Maharashtra State Board of Secondary and Higher Secondary Education. Besides, he is Convener and Member of Local Inquiry Committee / Selection Committee of University of Mumbai. He is a member of the syllabus revision committee for UG courses in Physics at University of Mumbai. He is also the Vice Chancellor's nominee for appointment of lecturers at various colleges.
- Dr. Nandini Diwan, Head, Department of Psychology was elected unopposed as a member of the Board of Studies in Psychology in December 2010 and as a member of the Faculty of Arts of University of Mumbai in January 2011.

The members of the Teaching Staff use various innovative teaching methods to simplify the learning process and make it more interactive and interesting:

- Department of Botany: Students of F.Y.B.Sc. and S.Y.B.Sc. conducted seminars on various topics in Botany to enhance their knowledge of the subject. Students were encouraged to use reference books and internet facility available in department and in the library. These projects are beyond their curriculum. Periodic tests were also conducted for undergraduate students besides the usual College and University examinations. Research related projects were assigned to students of T.Y.B.Sc. and M.Sc. to introduce them to research work in Botany. Weak students were given personal attention and guidance by Dr. V. V. Golatkar, Dr. M. S. Heble and Ms. Neha Sawant. This year, OHP, charts and PowerPoint presentations were used more frequently. The students of F. Y., S. Y. and T. Y. B. Sc, have been guided, counselled and helped in their studies by the faculty in the department. This personal attention has resulted in better attendance for lectures.
- Department of Chemistry: Implemented remedial coaching programme for students of F.Y., S.Y. and T. Y. B.Sc.

- Department of Physics: After collecting the information regarding academic performance Remedial coaching Scheme for practical was implemented. 50 students of F.Y.B.Sc. benefited from the scheme. 30 students of F.Y.B.Sc. and S.Y.B.Sc. worked on minor projects under the guidance of faculty members during science exhibition *SCIRUP 2010*.
- Department of Mathematics: Questions to enhance application and understanding skills in mathematics were given to the students of F.Y.B.Sc.
- Department of Psychology: Revised syllabi for Psychology were introduced at T.Y.B.A. from June 2010. For 6 subjects as a part of Paper VIII (Practicals in Cognitive Processes and Psychological Testing), exercises in Research Methodology and Statistics and use of Excel and 'Statistical Package for Social Sciences' (SPSS) for analysis of data of experiments were newly introduced.
- Students of F.Y., S.Y. and T.Y.B.A. were given question banks and guidelines to prepare for the exams. They were encouraged to write notes during lectures. The answers prepared by them were assessed by the teachers and feedback was given. Students were given information, guidance and feedback about effective study habits and preparation for examination. Students were taught certain mnemonics to enhance their understanding and memory of the subject matter. Dr. Nandini Diwan prepared handouts with brief summaries of the topics of Social Psychology, question banks and guidelines to prepare for the examination for S.Y.B.A. students, and question papers for practice on Statistics, and additional study and reference materials for the T.Y.B.A. students. Class tests were held for F.Y.B.A. students and for T.Y.B.A. students in the subjects of Cognitive and Industrial Psychology.
- The teachers of I.T. implemented the Mentor system for students of T. Y. B. Sc. for improving their academic performance.

4. Inter-disciplinary programmes:

Ms. Deepali Bhide, Associate Professor acted as a judge in the A.D. Shroff Memorial Elocution Competition conducted by the Department of English in our College on 27th September, 2010.

5. Examination reforms implemented:

The revised syllabi as per the guidelines by the University were implemented in various subjects. The examinations were conducted according to the pattern prescribed by the University.

6. Candidates qualified: NET/SLET/GATE etc.

- Ms. Pallavi Gosavi, student of M.Sc. Part II (Chemistry) appeared for GRE and joined TULSA (U.S) for the Ph.D. programme.
- Three students from Department of Physics passed NET, two students passed GATE, 36 students appeared for NGPE (National Graduate Physics Examination) examination where 04 scored marks above cut-off.
- Mr. Sagar Tipnis, Assistant Professor, Department of Commerce, passed the NET examination June 2010.
- Ms. Samiksha Jadhav, Assistant Professor, Department of Economics passed the SET examination August 2010.

7. Initiative towards faculty development programme:

- Teachers currently pursuing Ph.D.:

NAME	DEPARTMENT
Mr. K. J. Chavan	Chemistry
Mr. K. T. Waghmode	Chemistry
Mr. Dilip Maske	Physics
Ms. Abhaya Chitre	Mathematics
Ms. Deepali Bhide	Geography
Ms. Anagha Mandavkar	Marathi
Ms. Anupama Yende	Philosophy
Mr. Sandip Kadam	Philosophy
Ms. Neeta Tatke	Psychology
Ms. Anjana Bhowmick	Management Studies

- Dr. R. K. Jadhav, Assistant Professor, Department of Botany, attended a UGC sponsored refresher course in Biosciences (RC-Biosci; 230) organized by Academic Staff College, Himachal Pradesh University, Shimla, from 10th to 30th November 2010. He was awarded Grade 'A'.
- Mr. Hanumant Lokhande, Assistant Professor, Department of English, attended an Orientation Course at Kumaon University, Nainital from 4th to 30th April 2011.
- Mr. G. S. Madkaikar, Assistant Professor, Department of Physics, attended 2 months Summer Research Fellowship at ARISES, Nainital.

- Mr. Hemant Malap (Laboratory Attendant- Department of Physics), successfully completed the course *Repairs and Maintenance of Laboratory equipments* conducted by WRIC, Mumbai.
- Ms. Abhaya Chitre, Associate Professor, Department of Mathematics, successfully completed *Refresher Course in Financial Mathematics* conducted from 21st February to 12th March 2011 under the sponsorship of the University Grants Commission, Mumbai.
- Dr. Tushar Desai, Principal and Ms. Gayatri Gadgil, Head, Department of English completed a short course titled *Advanced workshop on e-content development and setup and usage of virtual classroom* conducted by UGC Academic Staff College, University of Mumbai from 16th to 19th March 2011.

Teachers as conveners /resource persons:

Department of Accountancy

- Mr. Nitin Kulkarni, Associate Professor delivered a lecture to Chartered Accountants on *T.D.S.* at Shivaji Park Study Circle of the Institute of Chartered Accountants and to the Management students of Pravara Education Society on *Finance Bill (on amendment) on Direct and Indirect Taxes.*
- Mr. Rajendra Sardesai, Associate Professor is a faculty for the course *Information Systems Audit* conducted by the Institute of Chartered Accountants of India for the Chartered Accountants in and outside Mumbai. He is a visiting faculty at the University of Mumbai's Jamnalal Bajaj Institute of Management in the Finance area. He also developed a part of the material for the course *Information Systems Audit* conducted by the Institute of Chartered Accountants of India for Chartered Accountants.
- All the teachers of Accountancy in the College are Chartered Accountants and they regularly participate in various seminars and lectures arranged by the Institute of Chartered Accountants of India.

Department of Botany:

- Dr. V. V. Golatkar, Head was
 - i. the Convener of a one day seminar on *Career opportunities after graduation* organized by the Department in collaboration with the Department of Zoology on 15th January 2011.

- ii. the Convener of a one day seminar on *Prospects in Plant Sciences in 2^{1st} Century* organized by the Department and Botanical Society, Mumbai Chapter on 9th February 2011.
- iii. a co-convener of a two-day workshop on *Bioinformatics* organized by the Department in collaboration with the Department of Zoology on 19th and 20th February 2011. The workshop was entirely sponsored by The Lady Tata Memorial Trust.
- iv. He delivered a lecture using PowerPoint to the students of Botany on *Future Careers in Botany*.

Department of Chemistry

- Dr. N. R. Pai, former Head, worked as
 - i. resource person for T.Y.B.Sc. workshop on the new syllabus conducted at Patkar College on 26th June 2010.
 - ii. member of Local Inquiry Committee for enrolling students for Ph. D in Chemistry at K. C College, on 4th December 2010.
 - iii. Secretary/Convener for the Chemarc activities carried out in the Department throughout the academic year.
- Mr. S. A. Mahimkar, Associate Professor worked as Resource person for problem solving session in a workshop on spectroscopy for students of T.Y.B.Sc. at Ruia College in November 2010.
- Mr. K. J. Chavan, Assistant Professor presented a lecture for Chemistry and Paper I for SET/NET at the UGC workshop organized by Patkar College, Goregaon (West) on 18th December 2010.

Department of Economics

- Ms. Anita Hamand, Assistant Professor delivered
 - i. a guidance lecture at Mehta College on *International Policy and Practice* for the students of T.Y.B.A.
 - ii. a remedial lecture at Chetna College for students of S.Y.B.A.

Department of English

- Ms. Gayatri Gadgil, Head
 - i. conducted two interactive sessions on *Writing Effective Business Letters* for the students of S.I.W.S. College, Wadala on 6th and 14th September 2011.

- ii. conducted an interactive session on *Writing Skills* for the students of SNTD's Dr. B.M.N. College of Home Science on 8th February 2011.
- iii. conducted a guidance session on Effective Business Letters for the non-teaching staff members of our College.
- iv. invited as a judge for the Spin-a-yarn and Personality Competitions at S.N.D.T.'s Dr. B.M.N. College of Home Science.

Department of Geography

- Ms. Deepali Bhide, Associate Professor
 - i. was invited to deliver a guest lecture on *Environmental Management* at Dr. Ambedkar College, Wadala, Mumbai on 10th February 2011.
 - ii. assisted in conducting a lecture on *Andhashraddha Nirmulan* by Dr. Narendra Dabholkar, on 4th January, 2011 in our College.

Department of I.T. and Computer Science:

- Mr. Mandar Bhawe, Assistant Professor, was a resource person for *Storage Technology* at S. K. Somaiya College in January 2011.
- Mrs. Chaitali Sawant, Assistant Professor was invited as resource person for
 - i. *Speech Recognition* at Vaze Kelkar College.
 - ii. *Dataware housing and mining* at U. P. G. College.
 - iii. revised syllabus in the subject of Information Technology on 5th August 2010 at Vaze Kelkar College.

Department of Management Studies

- Ms. Anjana Bhowmick delivered eight lectures in the NET/SLET workshop series held between 21st June - 3rd July, 2010 and between 4th September-12th December, 2010 at the Department of Philosophy, University of Mumbai.

Department of Marathi

- Ms. Vaishali V Jawlekar, Head, Department of Marathi
 - i. assisted Marathi Aabyas Kendra in organizing VidyarthiMelava at Somaiya College on 14th and 15th January 2011.
 - ii. worked as an examiner for Non Maharashtra Gazetted Officers Examination conducted by Marathi Bhasha Sanchaalanaalay, Government of Maharashtra.

Department of Mathematics

- Ms. J. D. Mehta, Head, Department of Mathematics was invited as a subject expert for Mathematics for the placement of lecturers, under the Career Advancement Scheme at Jai Hind College on 4th February 2011.

Department of Political Science

- Mr. Avinash Kolhe, Associate Professor was invited
 - i. by news channel Zee 24 Hours to give expert comments on the election of Kalyan Dombivali Municipal Corporation [KMDC] on 15th October 2010.
 - ii. to deliver a speech on *Nationalism in South Asia* by Rambhau Mhalgi Prabodhini, Thana on 27th Feb. 2011.

Department of Psychology

- Dr. Nandini Diwan, Head,
 - i. organized on behalf of the Board of Studies in Psychology of the University of Mumbai and was the resource person at the one-day workshop on *Revised Syllabi for Papers VII, VIII and IX in Psychology at T.Y.B.A.* on 23rd April, 2010.
 - ii. conducted a Training the Teachers Workshop on *Effective Study Habits* for 82 teachers from 51 B.M.C. schools mainly from the K-West ward as a part of the *Abhyudaya* project for economically disadvantaged school students undertaken by S. P. Jain Institute of Management Studies and Research in SPJIMR on 25th November 2010.
 - iii. gave a talk on *Violence against Women* in the symposium organized as a part of the Silver Jubilee Conference of Marathi Manas-shastra Parishad on *Psychology of Violence* at the Department of Applied Psychology, University of Mumbai on 22nd December 2010.
 - iv. conducted a workshop on *Gender Roles and Media* for college professors as a part of the multi-disciplinary Refresher Course organised by University of Mumbai on 15th January 2011.
 - v. helped in preparing the written test for the Personality Contest held in our College in December 2010.
- Ms. Neeta Tatke, Associate Professor was a resource person for
 - i. the programme *Suttichi Pathshala* on *Zee Chovis Tass* on 13th May 2010.
 - ii. the programme organized by Deeplo Sports for parents and sportspersons and spoke on *Developing Effective Study skills and Sports Skills* on 22nd August 2010.

- iii. the programme organized by Podar College on *Motivation in Sports* for the Sportspersons of the college on 5th January 2011.
 - iv. a Panel Discussion organized by Shet G. S. Medical College and K.E.M. Hospital on *Multitasking and Building of Potential* for the students, doctors, nurse and administrative staff on the occasion of International Women's Day on 8th March 2011.
 - v. She was in the Organizing Committee of the workshop held on 23rd April 2010 on *Revised Syllabi for Papers VII, VIII and IX in Psychology at T.Y.B.A.*
- Ms. Amruta Padhye, Assistant Professor was a visiting professor to teach
 - i. Research Methodology to students of M. Sc. in Clinical Nutrition at Dr. B. M. Nanavati College of Home Science of S.N.D.T. University.
 - ii. Industrial Psychology to students of S.Y.B. Pharm. at Bombay Pharmacy College.

Department of Physics:

- Mr. Dilip Maske, Associate Professor was the resource person in Expert lecture series for T. Y. B. Sc. Physics at A.S.C. College, Panvel, Navi Mumbai.
- Mrs. Vidya Patil, Associate Professor engaged P. G. (M. Sc. Part – I and II) lectures on *Electronics and Material Science* at UDP Kalina.
- Mr. Ganesh Madkaikar, Assistant Professor engaged P. G. (M. Sc. Part – II) lectures on *Laser and Plasma Physics* at UDP Kalina.
- The Department organized one day workshop for all colleges in the subject of Electronic Instrumentation (Theory and practical) on behalf of University of Mumbai. All the staff members worked as resource persons for this workshop.

Paper presentations:**Department of English:**

- Mr. Hanumant Lokhande, Assistant Professor presented a paper titled *The colonial hybrid identity and alienation in Mulk Raj Anand's Untouchable* at a UGC-sponsored National Seminar on *Post-colonial literature: an emerging area in literary studies* at Y. Mohite College, Pune on 9th February 2011.

Department of Geography:

- Ms. Deepali Bhide, Associate Professor presented a paper titled *Participation of Indian Women in workforce 1991-2001* at the annual conference of National Association of Geographers, India (NAGI) conducted by Department of Geography, Panjab University, Chandigarh from 19th to 21st November 2010.

Department of Management Studies

- Ms. Anjana Bhowmick, Assistant Professor presented a paper on *South Africa: The Birthplace of Satyagraha* at the Symposium organized by Group Research on Indian Diaspora (GRID) and Department of Communications and Journalism, University of Mumbai on 20th March, 2010.

Department of Marathi:

- Ms. Anagha Mandavkar, Associate Professor presented a research paper titled *Influences of Environments on the Themes of Marathi Drama (1882-1920)* in the 13th International conference on *Maharashtra: Culture and society* held at Bratislava (Slovak Republic) during 17th-19th June 2010.

Department of Mathematics,

- Ms. Abhaya Chitre, Associate Professor presented
 - i. a paper entitled *On edge-3-equitability of K_n union of gears* in the International Conference On Recent Trends In Graph Theory And Combinatorics, ICRTGC-2010 (A Satellite Conference of the International Congress of Mathematicians (ICM-2010) held during 12-15, August 2010.
 - ii. presented a paper titled *On 3-equitability of one edge union of shells* in the International Conference on Mathematics And Computer Science-ICMCS 2011 held at Research Department of Mathematics, Loyala College, Chennai during 7-8 January 2011.

Department of Political Science

- Mr. Avinash Kolhe, Associate Professor, presented a research paper on *The need of Translations: applications and parameters* organized by the Ekya Bharati, Pune affiliated to the University of Pune on 12th February 2011.

Department of Philosophy:

- Ms. Anupama Yende, Head presented a paper titled *Understanding Mysticism* in a four day International Conference at Bangalore from 5th to 8th January 2011.
- Mr. Sandeep Kadam, Assistant Professor presented a paper titled *Mysticism in Jnaneshwari: the role of Guru in mystic experience* in a four day International Conference at Bangalore from 5th to 8th January 2011.

Department of Physics:

- A research project by Mr. D. S. Maske, Associate Professor, Department of Physics was presented at University of Mumbai, in Anveshan-2010, 3rd Research Convention (West Zone) organized by Association of Indian Universities, New Delhi and The Maharaja Sayajirao University of Baroda, on June 22nd to 24th, 2010.
- Prof. D. S. Maske, Associate Professor, A research paper entitled *Effect of Growth-rate on Quality of InSbBi Bulk Crystal Grown by Vertical Directional Solidification (VDS)* has been accepted for presentation at 5th International Workshop on Crystal Growth Technology (IWCGT-5) in Berlin, Germany, on June 26 – June 30, 2011.

Publications:**Department of Chemistry**

- Dr. Mrs. N. R. Pai, Former Head
 1. Synthesis and Pharmacology of Novel Antidepressant Agents with Dopamine Autoreceptor Agonist Properties, International Journal of Pharmaceutical Sciences Review and Research, 2010, 4(2), 180-191.
 2. Development of stability indicating, validated HPLC method for quantitative determination of Aripiprazole and its impurities, Der Pharmacia Lettre, 2010, 2(4), 1-10.
 3. Synthesis and preliminary pharmacological evaluation of veratric acid ester 4-[ethyl-{2-(4-methoxyphenyl)-1-methylethyl} amino] butan-1-ol derivatives, Der Pharma Chemica, 2010, 2(2): 366-378.
 4. Design, Synthesis and Pharmacological Evaluation of Substituted Veratric Acid Ester Derivatives as Analgesic and Anti-Inflammatory Agents, The Pharmacist, 2010, 5(1), 1-8.
 5. Design, Synthesis and Evaluation of Substituted Glycolic Acid Ester derivatives as Potential Anti-inflammatory and Analgesic Agents, International Journal of PharmTech Research, 2010, 2(1), 443-452.
 6. Pharmacological Evaluation of Substituted Benzeneacetic Acid Ester Derivatives for Their Sedative, Antibacterial and Antifungal Potential, Research Journal of Pharmacy and Technology, 2010, 3(2), 571-578.
 7. Development of a validated stability indicating LC method for quantitative determination of an antispasmodic and its related substances, Journal of Liquid Chromatography and Related Technologies, 2010, 33, 1359–1368.

8. Pharmacological Screening of novel indolo [2, 3-b] quinoxalinederivates JOCPR 2010, 2(5), 485-493.
 9. Simultaneous isolation and identification of phytoconstituents from *Terminaliachebula* by preparative chromatography, Journal of Chem. Pharm. Res., 2010, 2(5): 97-103.
 10. An efficient synthesis of neuroleptic drugs under microwave irradiation, J. Chem. Pharm. Res., 2010, 2(5), 506- 517.
 11. Synthesis and pharmacological evaluation of novel benzeneacetic acid ester derivatives as potential antispasmodic and anticholinergic candidates,Archives of Applied Science Research, 2010, 2 (4), 72-84.
 12. Synthesis of Trimetazidine Hydrochloride impurity by conventional method,J. Chem. Pharm. Res., 2010, 2(6),154-160.
 13. Substituted 3,4-Dihydro-1H-Quinolin-2-one derivatives as Potential Antidepressant, sedative and anti- Parkinson agents, International Journal of Pharmaceutical Sciences Review and Research, 2010, 5(2),124-131 .
 14. Synthesis of Novel Aryloxy Propanoyl Thiadiazoles as Potential Anti hypertensive Agents, Journal of the Chinese Chemical Society, 2010, 57, 1327-1330.
 15. Synthesis and Antimicrobial Activity of some novel Formazan Derivatives, J. Chem. Pharm. Res., 2010, 2(4): 60-67.
 16. Synthesis of Novel 3, 4-Dihydroquinolin-2(1H)-one Guanidines as Potential Antihypertensive Agents, Asian Journal of Chemistry, 2011, 23(4), 1655-1660.
 17. Synthesis and Antimicrobial Activity of Some Novel HydrazinylQuinazoline Amine Derivatives, Research J. Pharm. and Tech. 2011,4(2), 263-267.
 18. Development and validation of HPLC Method for quantification of Phytoconstituents in *Haritaki Churna*, International Journal of ChemTech Research, 2011, 1(3), 329-336.
- Dr. R. V. Rele, Associate Professor
 1. Simple extractive Spectrophotometric methods for estimation of desloratidine in pharmaceutical preparations, International Journal of Chemical Science, 7(3) 1680-1686, 2009.
 2. Advance Reverse phase HPLC method for determination of desloratidine from pharmaceutical formulation, International Journal of Chemical Science, 7(4),2883-2890, 2009.

3. Simple Spectrophotometric methods for estimation of desloratidine in pharmaceutical preparations, *Analytical chemistry: An Indian journal*, 8(2) 233-236, 2009.
 4. A validated non aqueous potentiometric titration method of for the determination of rupatadine as rupatadinefumarate, *Analytical chemistry, An Indian journal* 8 (2) 165-167, 2009.
 5. A validated simple titrimetric method for quantitative determination of piroxicam from pharmaceutical formulation. *Analytical chemistry, An Indian journal* 8 (2) 165-167, 2009.
 6. A validated Simple titrimetric method for quantitative rupatadine as rupatadinefumarate from pharmaceutical dosage form, *Analytical chemistry, An Indian journal*, 8 (4), 561-564, 2009.
 7. Simultaneous determination of paracetamol and ibuprofen from combined dosage form by HPTLC method. *Analytical chemistry, An Indian journal*, 9 (1), 151-155, 2010.
 8. Reverse phase high pressure chromatographic technique for determination of sodium alginate from oral suspension, *international Journal of Pham Tech Research*, 2(2), 1634-1638, 2010.
 9. Development and validation of particle size method for Rabeprazole sodium using laser diffraction technique. *Inventi Rapid: Pharma Ana and QualAssur* 1(1), 2010.
 10. Simultaneous determination of Ciprofloxin hydrochloride and Dexamethasone in ophthalmic solution by RP-HPLC method, *Asian journal Research in chemistry* 3(3) 673-677, 2010.
- Mr. S. A. Mahimkar, Associate Professor
 1. A Research paper: A validated simple titrimetric method for quantitative determination of piroxicam from pharmaceutical formulation. *Analytical chemistry, An Indian journal* 8 (2), 165-167, 2009.
 - Mr. K. T. Waghmode, Assistant Professor

Research paper entitled *Microwave promoted Biginelli reaction for the synthesis of dihydropyrimidines: A green chemical approach* accepted for publication in March 2011 in *Asian Journal of Chemistry*.

Department of Mathematics

- Ms. Abhaya Chitre, Assistant Professor -Paper titled *3-equitability of one edge union of Shells* is accepted for publication in the proceedings of the International Conference on Mathematics and Computer Science held at Research Department of Mathematics, Loyala College, Chennai.

Department of Political Science

- Mr. Avinash Kolhe, Associate Professor, wrote a biography of G. G. Agarkar which was published by Gandharvedha Prakashan, Pune. This is part of 65 biographies of eminent Marathi scholars/journalists. This set was released in Pune on 19th February 2011 by Mr. Ajit Pawar, Deputy Chief Minister of Maharashtra.

Department of Psychology

- Dr. Nandini Diwan, Head
 - i. The 8th reprint of *Abhyas-Kaushalya* – a book in written in Marathi on Effective Study Habits was published in April 2010 (first edition in 2002; Reprints in 2003, 2004, 2005, 2006, 2007, and 2009; Rohan Prakashan, Pune).
 - ii. The Hindi translation of this book titled *Abhyas-Kaushal* was published in September 2010.
 - iii. Co-authored the Workbook for students and the Laboratory Manual for Practicals in Cognitive Processes and Psychological Testing for the revised T.Y.B.A. syllabus in July 2010
- Ms. Neeta Tatke, Associate Professor
Paper titled *Emotional Intelligence and Explanatory Style as a Function of Participation in Mallakhamb* published in Conference volume of 3rd Annual International Conference - Physical Education Sport and Health, November 2010, Rumania.

Teachers as participants:

Department of Botany:

- Dr. M. S. Heble, Associate Professor participated in
 - i. a two-day international conference on *Current research in Biosciences* organized by Department of Life Sciences, St. Xaviers College, on 21st and 22nd December 2010.
 - ii. a one-day seminar on *Prospects in Plant Sciences in 21st Century* organized by Indian Botanical Society, Mumbai Chapter and Department of Botany, Ruparel College, on 9th February 2011.

- iii. a two-day workshop on *Bioinformatics* organized by Department of Botany, in collaboration with Department of Zoology of our College on 19th and 20th February 2011.
- Dr. S. A. Sawant, Associate Professor participated in
 - i. a one day seminar on *Career opportunities after graduation* organized by Department of Botany, in collaboration with Department of Zoology, of our College on 15th January 2011.
 - ii. a two-day workshop on *Bioinformatics* organized by Department of Botany, in collaboration with Department of Zoology of our College on 19th and 20th February 2011.
- Ms. N. N. Sawant, Associate Professor participated in
 - i. a one day seminar on *Career opportunities after graduation* organized by Department of Botany, in collaboration with Department of Zoology, of our College on 15th January 2011.
 - ii. a two-day workshop on *Bioinformatics* organized by Department of Botany, in collaboration with Department of Zoology of our College on 19th and 20th February 2011.
- Dr. R. K. Jadhav, Assistant Professor participated in
 - i. XIth International conference on *Plant Biosystematics* organized by Department of Botany, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, from 2nd to 4th September 2010.
 - ii. XXI annual conference of Indian Nuclear Society on *Impact of Radiation Technology on Human Health and Environment* organized by BARC, Mumbai, at Nabhikiya Urja Bhavan, Anushakti Nagar, Mumbai.
 - iii. workshop on *Practicals in Bioinformatics* organized by Department of Botany, Maharashtra College, Mumbai, for the teachers of Mumbai University, on 20th January 2011,
 - iv. one day seminar on *Prospects in Plant Sciences in 21st Century* organized by Indian Botanical Society, Mumbai Chapter and Department of Botany of our College, on 9th February 2011.
 - v. two day workshop on *Bioinformatics* organized by Department of Botany, in collaboration with Department of Zoology, of our College, on 19th and 20th February 2011.

Department of Chemistry

- Dr. D. A. Shanbhag, Associate Professor participated in
 - i. international seminar on *Advances in Chemistry Education 2010* on 12-14th November 2010 at H.B.COMPUTER SCIENCEA., Deonar organized by A.C.T.
 - ii. National seminar on *Recent advances in Bioanalytical techniques* on 10-11th Decemer 2010 at Patkar College, Mumbai
- Mrs. H. I. Keer, Associate Professor attended
 - i. one day workshop on *Chemistry in the 21st Century* at T.I.F.R Mumbai on 12th February 2011.
 - ii. one day workshop for *T. Y. B.Sc. Heavy and fine chemicals implementation* on behalf of Board of Studies in Chemistry organized in June 2010.
- Ms. S. D. Nadkarni, Associate Professor attended one day workshop for *T. Y. B.Sc. Heavy and fine chemicals implementation* on behalf of Board of Studies in Chemistry organized in June 2010.
- Dr. R. V. Rele, Associate Professor participated in
 - i. one day workshop on *revised syllabus of Inorganic Chemistry for T. Y. B.Sc.* held at Somaiya college
 - ii. one day workshop on *revised syllabus of Analytical Chemistry* for T. Y. B.Sc. held at Khalsa College, Matunga.
 - iii. one day seminar on *Corrosion and prevention method* held at Acharya – Marathe College, Chembur on 4th December 2010.
- Ms. A. A. Patkar, Associate Professor attended
 - i. one day workshop on *Chemistry in the 21st Century* at T.I.F.R Mumbai on 12th February 2011.
 - ii. U.G.C. sponsored national seminar on *recent advances in bioanalytical techniques* on 10-11th December 2010 at Patkar College, Mumbai.
 - iii. one day workshop for *T. Y. B. Sc. Heavy and fine chemicals implementation* on behalf of Board of Studies in Chemistry organized in June 2010.
- Mr. K. T. Waghmode, Assistant Professor participated in one day seminar on *Corrosion and prevention method* held at Acharya – Marathe College, Chembur on 4th December 2010.

- Dr. Mrs. J. V. Patil, Associate Professor participated in
 - i. second term training programme for extension teachers and student managers at Shahir Amar Shekh Auditorium Mumbai on 4th January 2011.
 - ii. one day seminar on *application of radioactivity for societal benefits* at K. C. College Mumbai on 5th February 2011.
 - iii. international conference on *Supramolecular Chemistry and nanomaterials* at University of Mumbai on 14-16th February 2011.
- Mr. K. J. Chavan, Assistant Professor participated in a one day symposium at IIT-Mumbai on the 20th November 2010 in the area of *Fragrances and Flavours* organized by IIT and Chromatographic Society of India.

Department of English

- Ms. Gayatri Gadgil, Head, attended a National Seminar titled *Communication Skills: Challenges and New Horizons* at Changu Kana Thakur College, New Panvel on 21st and 22nd January 2011.

Department of Geography:

- Ms. Deepali Bhide, Associate Professor attended
 - i. Annual Conference of the Bombay Geographical Association conducted by the Department of Geography, University of Mumbai on 5th March, 2011.
 - ii. the workshop on the *New Syllabus of F.Y.B.A.* conducted by the Board of Studies in Geography, University of Mumbai at Sathaye College, Vile Parle, Mumbai on 9th July 2010.

Department of Information Technology and Computer Science:

- Ms. Smrutika Dekate and Ms. Pallavi Nishandar, Assistant Professors attended one day workshop on *F. Y. B.Sc. (I. T.) revised syllabus* in the subject of Information Technology on 5th August 2010.
- Ms. Smrutika Dekate, Assistant Professor attended a one day workshop on *Microprocessor and Microcontroller* at S. K. Somaiya College on 6th December 2010.
- Ms. Swarupa Gogate and Mr. Mandar Bhave, both Assistant Professors attended a three day workshop on *NET/SLET* at Vaze College, Mulund from 28th to 30th January 2011.
- Mr. Mandar Bhave, Assistant Professors participated in *Orientation Course* from 1st to 28th February 2011 at Mumbai University

- Ms. Pallavi Surve, Ms. Pooja Tambe, Ms. Saroj Kanojia, and Mr. Narendra Maurya, Assistant Professors attended practical workshop on T.Y.B.Sc. Computer Science at Patkar College, Dadar on 15th June 2010.
- Ms. Pallavi Surve and Ms. Pooja Tambe, Assistant Professors attended workshop and discussion on T.Y.B.Sc. Computer Science Paper-IV with hands-on training on *Software Testing* at Thakur College on 21st and 22nd January 2011.
- Mr. Narendra Maurya, Assistant Professor attended workshop on *EJB and Web Services* at V. E. S. College on 25th and 26th October 2010.
- Ms. Pallavi Surve and Ms. Pooja Tambe, both Assistant Professors attended workshop on T.Y.B.Sc. (Computer Science) *Theory and Practical Examination* at R. D. National College on 28th February 2011.

Department of Management Studies:

- Ms. Anjana Bhowmick, Assistant Professor and Mrs. Jidnya Patil, Assistant Professor attended the *Workshop on Interpretation of New Syllabus for T.Y.B.M.S., Semester V* organized in Chetana's Hazarimal Somani College on 17th April 2010.
- Ms. Anjana Bhowmick, Assistant Professor attended a talk on *Gandhi and Modernity* by Prof. Akeel Bilgrami, Johnsonian Professor of Philosophy and Director of Hyman Center for Humanities, Columbia University on 22nd December 2010 at the University of Mumbai.
- Ms. Prachi Kulkarni, Assistant Professor attended University Workshop on Syllabus coverage and paper pattern for T.Y.B.M.S. Semester VI organized in St. Andrew's College of Arts, Science and Commerce, Bandra (W) on 25th February 2011.

Department of Marathi:

- Ms. Vaishali Jawlekar, Head attended UGC sponsored seminar at Acharya Marathe College, Chembur on 7th January 2011.

Department of Mathematics:

- Ms. J. D. Mehta, Head participated in
 - i. the one day workshop for teachers in Mathematics on the revised T.Y.B.Sc. /B.A. Mathematics paper IV Elective A, B, C and D, organised by the Board Of Studies in Mathematics and Department of Mathematics of Mithibai College at Mithibai College of Arts, Chauhan Institute of Science and Amrutben Jivanlal College of Commerce and Economics, Vile Parle on 31st July 2010.

ii. intercollegiate seminar, organized by Malini Kishor Sanghvi College of Commerce and Economics on *Applications of Mathematics and Statistics* held on 20th August 2010.

- Ms. Abhaya Chitre, Associate Professor participated in the one day workshop for teachers in Mathematics on the revised T.Y.B.Sc. /B.A. Mathematics paper I, II, III, organised by the Board of Studies in Mathematics and Department of Mathematics at KET's V. G. Vaze College on 17th July 2010.
- Mr. V. B. Shinde, Assistant Professor participated in the one day workshop for teachers in Mathematics on the revised T.Y.B.Sc. /B.A. Mathematics paper I, II, III organised by the Board of Studies in Mathematics and Department of Mathematics at KET's V. G. Vaze College on 17th July 2010.

Department of Political Science

- Mr. Avinash Kolhe, Associate Professor, attended a two-week workshop organized by the Centre for International Studies [CIS], Mulund, on *Research Methodology* from 15th to 29th November 2010.

Department of Philosophy

- Ms. Anupama Yende, Head and Mr. Sandeep Kadam, Assistant Professor attended a four day International Conference at Bangalore from 5th to 8th January 2011.

Department of Psychology:

- Neeta Tatke, Associate Professor participated in
 - i. the programme *Vaibhavshali Maharashtra* on Sayhadri channel on 27th April 2010.
 - ii. a National Workshop on *Cognitive Neuroscience* at Sophia College on 9th January 2011.
 - iii. a National workshop on *Use of Statistical Package for Social sciences* organised by Department of Statistics of our College on 4th March 2011.
- Ms. Amruta Padhye, Assistant Professor attended
 - i. a talk on Performance Appraisal by Dr. Avinash Desousa in L.S. Raheja College on 23rd September 2010.
 - ii. a talk on High Functioning Children with Autism by Dr. Chandan Vaidya in Sophia College on 20th December 2010.
 - iii. a National workshop on Use of Statistical Package for Social sciences organised by Department of Statistics of our College on 4th March 2011.

Department of Physics:

- Dr. M. S. Patki, Ms. V. H. Patil and Mr. D. S. Maske, all Associate Professors attended two one-day workshops on revised syllabus in Physics at Vaze-Kelkar College and B. N. Bandodkar College.
- Dr. M. S. Patki, Associate Professor and Mr. G. S. Madkaikar, Assistant Professor attended a Workshop on *Cosmology* at St. Xavier's College.

Department of Statistics:

- Ms. V. K. Govilkar, Head attended a workshop on the *revised syllabus of T.Y.B.Sc* at K. J. Somaiya College on 5th and 6th May 2010.
- Mrs. V. V. Gokhale, Associate Professor, attended a workshop on *T.Y.B.Sc. Statistics Practical syllabus* in Ramniranjan Jhunjhunwala College on 29th January 2011.
- Mrs. V. P. Kanitkar, Associate Professor attended
 - i. an Intercollegiate Seminar on *Applications of Mathematics and Statistics* conducted by Department of Mathematics and Statistics, Ritambara Vishva Vidyapeeth's Malini Kishor Sanghvi College of Commerce and Economics on 28th August 2010.
 - ii. a national workshop on *Medical Statistics and Clinical Trials* held in Modern College of Arts, Science and Commerce, Pune on 18th, 19th and 20th December 2010.
 - iii. a workshop on *T.Y.B.Sc. Statistics Practical syllabus* in Ramniranjan Jhunjhunwala College on 29th January 2011.
- Mrs. A. G. Daptardar, Associate Professor attended a workshop on *T.Y.B.Sc. Statistics Practical syllabus* in Ramniranjan Jhunjhunwala College on 29th January 2011.

Department of Zoology

- Ms. Maneesha Dabir, Head attended
 - i. one day Workshop in Zoology for *Revised syllabus of T.Y.B.Sc.* organized by Department of Zoology, Ramniranjan Jhunjhunwala College, on behalf of BOS in Zoology on 17th July 2010.
 - ii. a two day International Conference on *Current Research in Biosciences* on 21st and 22nd December 2010 organized by Department of Life Sciences, St. Xavier's College.
 - iii. workshop on *Preparation of Feasibility Report* organized by Department of Zoology at M. D. College.

- Dr. Meenakshi Sundaresan, Associate Professor attended
 - i. one day Workshop in Zoology for *Revised syllabus of T.Y.B.Sc.* organized by Department of Zoology, Ramniranjan Jhunjhunwala College, on behalf of BOS in Zoology on 17th July 2010.
 - ii. a two day International Conference on *Current Research in Biosciences* on 21st and 22nd December 2010 organized by Department of Life Sciences, St. Xavier's College.
- Mr. Nitin Wasnik, Assistant Professor attended
 - i. one day Workshop in Zoology for *Revised syllabus of T.Y.B.Sc.* organized by Department of Zoology, Ramniranjan Jhunjhunwala College, on behalf of BOS in Zoology on 17th July 2010.
 - ii. one day Workshop in Zoology for *Revised syllabus of T.Y.B.Sc (Marine Science)* organized by Department of Zoology, ICLES College, Vashi on behalf of BOS in Zoology on 24th July 2010.
 - iii. one day concluding workshop on *Revised Syllabus of Applied Component for T.Y.B.Sc.* organized by BOS in Zoology and Department of Zoology, K. J. Somaiya College on 7th August 2010.
 - iv. one day seminar on *Environmental Biotechnology Recent Advances* organized by University Department of Life Science under UGC SAP programme on 20th December 2010.

8. Total number of seminars/workshops/Exhibitions conducted:

- **The Departments of Botany and Zoology**
 - i. one day seminar on *Career opportunities after graduation*, on 15th January 2011. Professor Divekar, faculty of Biotechnology, Institute of Management Pune and Shri. MukundVerma, Director, Verma Pharmacy, Pune enlightened the students on career opportunities in business administration, management in biotechnology, agriculture and pharmaceuticals and clinical research. The interactive session was the most motivating part of the seminar.
 - ii. two day workshop on *Bioinformatics* for teachers from various colleges of the University of Mumbai on 19th and 20th February, 2011. On the first day, a theory session was organized and on the second day, hands on training were given to the participants in computer laboratories. The entire workshop was funded by Lady Tata Memorial Trust; this enabled us to organize the workshop without charging

participation fees from the teachers. The resource persons were Dr. Khandekar, Director, Bioinformatics Department, University of Pune and Ms. Swati Mehta, Research associate at Institute of Bioinformatics and Biotechnology, University of Pune.

- a seminar on *Prospects of Plant Sciences in 21st century* on 9th February 2011. The topics were *Opportunities in the industries for plant science* by Dr. Arivind Saklani from Nicolas Piramal Industry; *Modern trends in biotechnology* by Dr. Manisha Wagale from Kelkar Biotech industry; *Natural products – extraction and standardization* by Dr. Dhananjay Sapre, Charak Pharma; *Large-scale cultivation of algae by using stack gas emission and utilization of biomass for biofuel production* by Dr. Manjushri Devdhar from Vaze College, Mulund and *Biotechnological approach for environmental security in metropolitan cities* by Dr. P.S. Awate, Head, Environmental Division, B.M.C. The seminar was a grand success.
- **The Department of Chemistry** organized a one day workshop for *T. Y. B.Sc. Heavy and fine chemicals implementation* on behalf of Board of Studies in Chemistry in June 2010. Teachers from different colleges under Mumbai University attended.
- **The Department of Commerce** organised
 - i. a seminar on *Advertising - Role of Branding in Advertising* on 15th July 2010 by Mr. Sachin Bavkar.
 - ii. one day workshop on *Case studies* on 17th August 2010. Dr. Vilasini Patkar, Dr. Nair, Dr. S. K. Raju were the eminent resource persons.
 - iii. a seminar on *Careers in Banking* on 12th January, 2011 by Dr. Rekharani, Director, Indian Institute of Banking.
- The Department of Information Technology and Computer Science organised seminars on
 - i. *Remote Sensing and its application in real life* on 6th July 2010 conducted by Dr. Hrishikesh Samant.
 - ii. *Presentation Skills* on 7th July 2010 conducted by Ms. Madhavi Gokhale.
- **The Department of Marathi** organized a workshop on *Uni Code (Use of Marathi Language in Computer Literacy)* in January 2011.

- The **Library** organized the following book exhibitions for the benefit of students and teachers:

Sr. No.	Title	No. of books displayed	Date and Occasion
1	New Arrivals- showcase Display	129 new arrivals books/book covers	Throughout the academic year
2	Granthatulas	13 pictorial books, encyclopaedia and other Art books	Throughout the academic year
3	Our College in media	College clippings published in the news paper and other media.	22 nd to 24 th August 2010 NAAC Peer Team visit
4	Library Creative Unit's Publication	12 books	22 nd to 24 th August 2010 NAAC Peer Team visit
5	Dr. Radhkrishnan's books	39 books	5 th September 2010, Shikshak Din.
6	Translation	47 books	30 th September 2010, Translation Day.
7	Jagatik Manasik Arogya Din	72 books	10 th October 2010, Jagatik Manasik Arogya Din.
8	Rangabhoomi, Theatre arts	17 books	15 th November 2010, Rangabhoomi Din
9	Muslim Religion, Islam	67 books	17 th December 2010, Moharram
10	Christianity, Bible	43 books	25 th December 2010, Christmas
11	Feminism	120 books	11 th January 2011, L.G. JoagVyakhyanmala- Lecture on Feminism.
12	Marathi Language	81 books	24 th February 2011, Marathi Bhasha Din

- **The Department of Mathematics** organized a seminar by the students of S.Y.B.Sc. - Madhuri Gaekwad on *Contribution by the Bernoulli family, of Switzerland, towards Mathematics and applications of their discovery* and Pratik Dabhade on *Calculus Controversy Surrounding discovery of Calculus by Newton and Leibniz* on 21st January 2011.
- **The Department of Psychology** organized a one-day workshop on 23rd April, 2010 on *Revised Syllabi for Papers VII, VIII and IX in Psychology at T.Y.B.A.* on behalf of the Board of Studies in Psychology of the University of Mumbai. 39 professors from 18 colleges attended. Dr. Aninha Lobo and Dr. Nandini Diwan were the resource persons.
- **The Department of Physics** organized a one day workshop for all colleges in the subject of *Electronic Instrumentation (Theory and practical)* on behalf of University of Mumbai.
- **The Department of Statistics** organized a one day National workshop on *Use of SPSS in Statistical Data Analysis* on 4th March 2011.
- **The Department of Zoology** organized
 - i. A career counseling seminar on 15th January 2011. The seminar included talks on *Career opportunities in clinical research* by Mr. Mukund Varma (Director, Varma Pharmacy, Pune) and *Biotechnology Management* by Mr. Divekar (Faculty at Biotech. Institute of Management, Pune).
 - ii. a one day workshop, supported by Board of Studies, for *revised T.Y.B.Sc. Marine Science (applied component)* on 8th February 2011.
 - iii. a two day workshop in *Bioinformatics* was organized on 19th and 20th February 2011. Resource persons were research associates from Department of Bioinformatics, University of Pune. The workshop was sponsored by the Lady Tata Memorial Trust and hence participant teachers were not charged any registration fees. 35 teachers from various colleges participated.
 - iv. A collaborative work for the organization SPROUTS (Society for Promotion of Research, Outdoors, Urbanity, Training and Social Welfare) was carried out under the guidance of Ms. Maneesha Dabir. Two water samples were provided by the representative of the SPROUTS for water analysis. Two PG students, Ms. Jagruti Mohite and Ms. Sweta Agrawal worked on the project and 12 different parameters for both the water samples were estimated and

compared. Mr. Anand Pendharkar(Director, SPROUTS)issued certificates of appreciation to the two students.

- **Department of Information Technology and Computer Science**

- i. Tech Fest – intra-collegiate festival organised by the students on 29th and 30th January 2011.

Activities of the Associations:

AIMS: Bachelor of Management Studies (B.M.S)

- i. Felicitation of meritorious students in the University Examination held in May, 2010.
- ii. Following guest lectures were organized:

S.N.	Theme	Resource Person	Date
1	Careers in Management	Mr. Anurag Bansal, Director, Success Achievers Pvt. Ltd.	2.7. 2010
2	Insights in Marketing and Advertising	Mr. Omkar Patki, Faculty, Jai Hind College	3.8. 2010
3	Logistics and Supply Chain Management	Mr. N. K. Varahan, Member of Board of Studies, University of Mumbai	23.9.2010
4	Inventory Management	Mr. Vilas Moghe, Procurement Consultant	25.9.2010
5	Ethics and Corporate Social Responsibility	Mr. Parvesh Kumar, Member of Board of Studies, University of Mumbai	29.9.2010
6	Practice of Management	Capt. Tapan Kandalgaonkar, Sales Manager, Aditya-Birla Group of Companies	5.10. 2010
7	Project Finance	Mr. Sachinanda Shukla, Sr. Economist, Eanam Securities	18.12.2010
8	Youth and Entrepreneurship	Mr. Sajit Nair, Project Head-Operations, ebgroup	19.1.2011
9	Performance Management	Mr Sunil Thakur, H.R. Manager	22.1. 2011
10	Soft Skills	Mr. Rachith Gandhi Trainer, Art of Living,	12.2. 2011

- iii. Following industrial visits were arranged for the students:

- 1) Ceat Tyres, MIDC and Unique Industrial Corporation, Asangaon - Nasik from 28th - 31st August 2010 for the students of T.Y.B.M.S.

- 2) Blossom Ind. Ltd., Sudhir Generators and Nissan Copper Ltd. - Daman and Silvassa from 31st January 2011 to 2nd February 2011 for the students of S.Y.B.M.S.
- 3) AMUL- Kaira District Co-operative Milk Producers Union Ltd., Mudra Institute of Communication and Advertisement (MICA) and Nirma University - Ahmadabad from 9th -13th March 2011 for students of F.Y.B.M.S.
- iv. The intra-collegiate festival *Aarambh-2011* organised by the students from 4th January to 6th January 2011. It included competitions such as Debate, Just a Min, Business Bazigar, Ad-Mad, Virtual Stock Market, Like Nobody's Business, Being Socially Responsible, Management games, Management Quiz and Ruparel's Got Talent.

CHITRAVEDHA

- i. inaugurated by Sonali Kulkarni on 30th July 2010. *GabhrichaPaus*, a highly acclaimed movie starring Sonali Kulkarni was screened followed by discussion with the members.
Following movies were screened during the year:
- ii. *An Affair to Remember* on 12th August 2010
- iii. *To Sir with Love* on 8th September 2010 on the occasion of Teachers' Day
- iv. *My Fair Lady* on 16th September 2010
- v. Mr. Chandu Kulkarni was invited to discuss *Banagarwadi*. He had played a major role in this movie.
- vi. *The Spring-1941*- internationally acclaimed movie on 20th October 2010. Mr. Motti Lerner, the screen-play writer of the movie was present to discuss the finer points of the film. This screening was held in association with Maanas.
- vii. *Psycho* - on 21st December 2010 to commemorate the golden jubilee year of the movie.
- viii. *Natarang* - on 20th January followed by discussion with the director of movie Mr. Ravi Jadhav.

CASSO: Commerce Association

Following programmes were organised:

- i. Seminar on Advertising - *Role of Branding in Advertising* on 15th July 2010 by Mr. Sachin Bavkar.
- ii. One day workshop on *Case studies* on 17th August 2010. Dr. Vilasini Patkar, Dr. Nair, Dr. S. K. Raju were the eminent resource persons.
- iii. Seminar on *Careers in Banking* on 12th January 2011 by Dr. Rekharani, Director, Indian Institute of Banking.

- iv. Guest Lecture on *MHRM* for students of T.Y.B.Com. on 18th February 2011 by Dr. B.R. Kamble from Kirti M. Dongursee College.

CHEMARC: Department of Chemistry

Following programmes were organised:

- i. Felicitation of meritorious students of T.Y.B.Sc. (Chemistry) on 14th July, 2010; Mr. Gaurav Nerurkar was the topper among T.Y.B.Sc. Chemistry students in the college. Our alumnus, Dr. Atul Pusalkar, Director, Chemotest Laboratory was the Chief Guest of the function. 18 students of T.Y.B.Sc. and 6 students of S.Y.J.C. (who secured 50 out of 50 in Chemistry CET) were felicitated for their meritorious achievements.
- ii. talk on Polymers by our Alumnus Dr. Anagha Sabnis, ICT, Mumbai for students of T.Y.B.Sc. to provide an insight into the career opportunities in this area.
- iii. talk on Excellence in the career of choice by our alumnus Lt. Col. Abhijit Mahajan, Indian Army.

GENESIS- The Geography Association

Following programmes were organised:

- i. A visit to Nehru Planetarium on 15th July 2010. 30 students and six teachers participated.
- ii. A talk on *Green Careers* by Prof. Vidyadhar Walavalkar on 14th August, 2010 in association with Srushti- the College Nature Club.
- iii. Screening of *Prakashvaata* - a documentary film based on the life and work of Dr. Prakash and Dr. Manda Amte on 18th September, 2010
- iv. A visit to Indian Meteorological Department, Santacruz, Mumbai on 16th December, 2010. 15 students and 2 teachers visited the weather observatory. They got a glimpse of how climate data like maximum-minimum temperature, air pressure, wind direction, wind speed, intensity of solar radiation are collected.
- iv. an Inter-collegiate quiz in association with Indian National Cartographic Association's Mumbai Chapter on 14th January, 2011 on the occasion of Bhogool Din was organised. The programme started with a guest lecture by Dr. V.S. Phadke - former Head, Department of Geography, University of Mumbai. In all 10 teams from different colleges in Mumbai and Thane like Sathaye College, Vile Parle, Joshi-Bedekar College, Thane, Birla College, Kalyan, Acharya-Marathe College, Chembur and Pendharkar College, Dombivli participated in the quiz competition. The prize amount was sponsored by INCA Mumbai Chapter. Dr. Dipti Mukherji, President of

INCA Mumbai Chapter and Prof. PremlataSinghi, Secretary of INCA Mumbai Chapter were also present to grace the occasion.

ECONOMICA: Department of Economics

- i. inauguration on 21st July 2010 by Dr. Pradeep Kulkarni, former Principal of our College. The meritorious students of the F.Y.B.A., S.Y.B.A. and T.Y.B.A. (Economics) were felicitated.
- ii. The following talks were arranged for the students:

S.N.	Theme	Resource person	Date
1	Overcoming Examination Phobia	Savitri Bhadra B.K., Bramhakumari Ashram	22.7.2010
2	Indian Capital Market and National Stock Exchange	Mr. Anup Mukherjee, Asst. Vice President, Education Department, National Stock Exchange	23.7.2010
3	Careers in Management	Mr. Anurag Bansal, Director, Success Achievers Pvt. Ltd.	28.7.2010
4	How to Achieve Success in Civil Service exams	Ms. Vishakha Borse, Dy. Commissioner, Sales Tax	4.8. 2010
5	An Overview of Indian Capital Market	Mr. Savkar, Head, Institutional Marketing, Bombay Stock Exchange	6.8. 2010
6	Financial deviations	Mr. Suresh Lalwani, S.P. Jain Management Institute	8.1.2011
7	Affordable Housing	Dr. Abhay Pethe, Director, Department of Economics, University of Mumbai	14.1.2011
8	Growth and Development	Prof. Rajan Padwal, Head, Department of Economics, M.D. College	13.1.2011

- iii. The following educational tours and visits were organized:
 1. educational tour to Kerala and Kanyakumari from 9th to 18th November 2010. 50 students including faculty participated.
 2. educational visit to National Stock Exchange on 10th August 2010. About 120 students including faculty participated.
 3. educational visit to Reserve Bank of India on 9th February 2011. 58 students including 3 faculty members participated.

- iv. a farewell to the students of T.Y.B.A. Economics was organized by the students of F.Y.B.A and S.Y.B.A. on 25th February 2011.

MARATHI VANGMAY MANDAL

Following programmes were organised:

- i. Interview with Mr. Dasu Vaidya, a renowned poet on 7th August 2010.
- ii. Lecture on *Feminism and Feminist literature in Marathi* by Dr Vidyut Bhagwat under the L. G. Jog Memorial Lecture Series on 11th January 2011.
- iii. Lecture by Ms. Surekha Dalvi, on *SEZ of Raigad Pen-Panvel* on 10th January 2011.
- iv. Marathi Vangmay Mandal and Women's Development Cell organized a story reading session on 5th January 2011. A story exploring the relationship with the opposite gender was read.
- v. Marathi Bhasha Din and Memorial Day of poet V. V. Shirwadkar were celebrated on 14th February 2011.
- vi. On 28th February 2011 Marathi Bhasha Din was celebrated through a poetry reading by teachers and non-teaching Staff.

MAANAS: The Psychology Association

Following programmes were organised:

- i. On 26th July, 2010 a Slide show on *Illusions* and screening of a video film on conquering handicaps and facing challenges for the students of F.Y.B.A. and S.Y.B.A.
- ii. Felicitation of Ms. Pradnya Mane (T.Y.B.A.) for winning the *Miss Mumbai University* title for 2009-10 on 30th July, 2010.
- iii. On 30th July, 2010 students of T.Y.B.A. presented 3 *Skits on Statistics* which involved the depiction of different characteristics of statistical measures of central tendency, variability and graphs in a humorous way.
- iv. Felicitation of meritorious students by our Principal, Dr. Tushar Desai on 18th September, 2010. 24 students (21 with Psychology as single major and 3 as double major) who secured First-class in the T.Y.B.A. University examination of 2010 and the toppers in Psychology in F.Y.B.A. and S.Y.B.A. college examination of 2010 were felicitated. Our alumnus Ms. Namrata Kulkarni, special invitee at this felicitation function, shared her experiences as a counsellor and teacher of Psychology with the current students.
- v. Felicitation of Ms. Dipti Shide (T.Y.B.A.) for her various achievements in Youth Festival and other prestigious competitions in September 2010.

- vi. screening of *Spring 1941*. Mr. Motti Lerner, the screenplay writer of the film attended and had a discussion on the film. The screening was organized in association with Chitravedh.

OPEN FORUM

- i. interaction of the students of T.Y.B.A with our alumnus Mr Devendra Pai on 12th June 2010. He shared his experiences with the students and also offered them useful tips about various scholarships in USA.
- ii. a half-day workshop on *Cartooning* conducted by Prashant Kulkarni and Vivek Mistri as part of the inaugural function on 10th July 2010. The workshop was inaugurated by veteran cartoonist Mr. Vasant Sarvate.
- iii. interaction of the students of T.Y.B.A with our alumnus Ms Rohini Hore on 30th July 2010 in order to orient the fresher students to various activities of the Department of Political Science.
- iv. On 4th August, an educational trip of Mumbai city was organized. Students visited Savarkar Memorial, Dadar; Dr. Ambedkar' s House, Dadar; Mani Bhavan, Grant Road; Tejpal School, Grant Road where the first session of Congress was held in December,1885; Sardar Gruha, Crawford Market where Lokmanya Tilak breathed his last; Horniman Circle, Fort and the memorial of Naval Ratings, Colaba.
- v. A half-day workshop on *Still Photography* conducted by Prof. Manohar Desai on 26th August 2010.
- vi. Guidance session about research by our alumnus Mr. Sumeet Mhaskar, who is pursuing Ph. D. Political Science at Oxford University, UK - 11th January 2011.
- vii. a visit to the College Library on 4th February 2011 to help students know how to use library effectively. Mr. Sachin Garate explained the functioning of the library, various journals and encyclopedias' available in our library were shown.
- viii. an educational trip to the International Institute of Population Sciences (IIPS), Deonar and the Tata Institute of Social Sciences (TISS) at Deonar on 10th February 2011.

POLIS

Following programmes were organised:

- i. an A/V presentation on *Veer Savarkar and his contribution to Indian Freedom struggle* by Mr. Londhe as part of the inaugural function on 12th July 2010.
- ii. presentation on *Street Theatre and Politics* by Mr. Suddhanva Deshpande, the director of SAHMAT, Delhi on 2nd December 2010. It was followed by discussion session with many senior activists of street theatre movement from Mumbai.

- iii. Talk on *150 Years of Income Tax in India* by Mr Bharat Tripathi (IRS), Commissioner of Income Tax, Mumbai on 11th December 2010. This talk was organized in association with Economica.
- iv. a special initiative for students of F.Y. B.A. *Beyond the Syllabus*. Here students are encouraged to go to the college library, look up research journals, encyclopedias' to study a political problem. Based on this research, they make a small five minute presentation in front of the class. This year, nearly 30 students participated in this initiative.

RUPELA – the Ruparel English Literary Association

- i. Under the aegis of RUPELA, a Poetry Club for students was instituted by Prof. Martin Ebnazer. The members of the club have been meeting every Wednesday after lecture hours to read their own original poems. The readings were followed by critical discussion and guidance from Prof. Martin. Students from the Arts and Science faculties participated in this activity.

Following programmes were organized:

- ii. The A. D. Shroff Memorial Elocution Competition on 27th September 2010.
- iii. Screening of *Dead Poets' Society* on 28th August 2010.
- iv. Screening of *Animal Farm* which is prescribed in the F.Y.B.A. English Literature syllabus on 4th September 2010. The screening was followed by a discussion.
- v. Screening of *Pygmalion* which is prescribed in the F.Y.B.A. English Literature syllabus on 17th January 2011. The screening was followed by a discussion.
- vi. a farewell for the class of TYBA (English) 2011 by the students of F.Y.B.A. and S.Y.B.A.
- vii. Students and teachers attended a performance of *Ain Vasantat Ardhya Ratri*– a Marathi adaptation of Shakespeare's *Midsummer Night's Dream* at University of Mumbai on 29th March 2011. The play is part of the T.Y.B.A. English Literature syllabus.
- viii. celebration of William Shakespeare's birth anniversary on 23rd April 2011. Students of FYBA and S.Y.B.A. enacted a scene from the play *Romeo and Juliet*. Students of F.Y.B.A. recited soliloquies from the tragedy *Julius Caesar*.

SCIENCE ASSOCIATION

Following activities were organised:

- i. inauguration by senior scientist Dr. A.V. Gopal, Tata Institute of Fundamental Research on 9th August 2010. He delivered a talk on *Plasmonics*.

- ii. an event called *Mrigyate Uttamah* from 14th to 25th September 2010. It included Science quiz, debate competition, games like snakes and ladder, treasure hunt, cross-word, Maths quiz.
- iii. Science exhibition *Sci-Rup 2010-11* on 8th and 10th December 2010. Around 120 students participated in the exhibition. The exhibits were judged by Dr. Chandana Rege, Professor in Chemistry, Ruia College, Dr. Abhay Ranade, Head, Physics Department, Rizvi College, Dr. Rajesh Raut, Associate Professor in Zoology, Institute of Science. Around 120 students of neighbouring schools such as Balmohan Vidya Mandir, IES English Medium School, Lokmanya Vidyamandir visited the exhibition.
- iv. a talk on the *Lifecycle of a Science Project* by Dr. Manasi Rajadhyaksha from Marathi Vidnyan Parishad.

TATTVADARSHAN: The Philosophy Association

The following programs were organized for the students:

- i. screening of *Life is Beautiful* - a movie based on the concept of existentialism on 31st July 2010. The screening was followed by discussion.
- ii. a talk on *Post Modernism and Hermeneutics Approach to Philosophy* by Mr. Vikas Pachpande on 4th August 2010.
- iii. Screening of *Kingdom of Heaven*- a movie based on the concept of Crusades on 12th August 2010.
- iv. Presentation by the students of T.Y.B.A. Philosophy on 16th, 23rd and 24th January 2011 on the following topics:
 - a. Development of personality through Yoga
 - b. Stress Management through Yoga.
- v. A guest lecture on *Moral Injunctions as a Way of Life* by Prof. Shobha H. Doshi on 4th February 2011.

WOMEN'S DEVELOPMENT CELL

The following programmes were conducted:

- i. a talk on the *Domestic Violence Act* by Ms. Ujwala Kadrekar on 4th August, 2010. She has been working with Lawyers Collective Women's Rights Initiative as a Senior Programme Officer.
- ii. reading of a story *Adam ani Eve* written by Ms. Rohini Kulkarni. The reading was done by Ms. Vaishali Jawlekar Head, Department of Marathi, and Ms. Deepali Bhide, Assistant Professor, Department of Geography. The reading was followed by an

interactive session with the audience and a discussion about the relationship between a man and a woman with context to society, culture and political economy.

Extension Work Activity

The College has undertaken this activity conducted by Department of Lifelong Learning and Extension of University of Mumbai from the current academic year 2010-2011. Thirty-three students enrolled for the extension work projects. Mr. Pratik Dabhade and Mr. Vyomesh Jawle worked as Student Managers.

i. Projects undertaken by our students:

1. Survey of Women's Status (SWS)
2. Career Project (CP)
3. Information Technology Project (ITP)
4. Career Skills Development Education (CSDE)
5. Information Communication Technology Skill Development and Education (ICT-SDE).

ii. Teacher co-ordinators and Student Managers attended the first and second term Training Programmes.

iii. The students of the College participated in the festival *Udaan The Flight of Extension* on 24th February 2011 at KJSP College, Vikhroli. Mr. Nitesh Choughule won first prize in the poster competition. The College unit won the consolation prize for street play *Career cha Shodh*.

Department of History

Following study visits were organised:

1. Kanheri Caves which date back to 1st Century B.C. in Sanjay Gandhi National Park, Borivali on 13th July, 2010.
2. Nehru Planetarium and Nehru Science Centre on 9th September, 2010.
3. Elephanta Caves - the finest example of Hindu rock-cut cave temple of Maharashtra - on 15th January 2011.

Department of Mathematics

Following programmes were organised:

- A visit to Homi Bhabha Science Centre for four students of S.Y.B.Sc.
- a talk on *Number System* by Dr. Mangala Gurjar, Head, Department of Mathematics, St. Xavier's College on 16th July 2010 for the students of S.Y.B.Sc. Mathematics.
- A motivational talk by our alumnus Mr. Rohan Deshpande, Associate Project Manager, IBM India Pvt. Ltd. on 23rd September 2010 for the students of S.Y.B.Sc. Mathematics.

- Screening of a documentary on *History of Mathematics* on 21st January 2011 for students of S.Y.B.Sc.

Department Of Physics

An educational tour was arranged to visit Nehru Science Centre on 19th April 2011. Five teachers along with 20 students participated. A special Science Exhibition titled *To Understand Physics Better* was arranged by the Centre for our students. In addition to this, the students visited 3D science show and Tara-Mandal.

Department Of Statistics

An educational tour was organized to Dapoli Krishi Vidyapeeth and Aagom factory of Homeopathy medicine. The students learned about the application of statistics in real life.

Department Of Zoology

Following visits were conducted:

- i. ACTREC, Kharghar on 2nd December 2010 for students of T.Y.B.Sc.
- ii. Haematological Laboratory at KEM Hospital on 8th and 9th December 2010 for students of M.Sc. II (Physiology) where they were shown various haematological techniques.
- iii. Sasoon Dock on 15th December 2010 for students of M.Sc. II (Marine) for studying marine fishes and collection of specimen.
- iv. a four day excursion to Ganapatipule from 1st to 4th January 2011 for students of S.Y.B.Sc., T.Y.B.Sc. and M.Sc.
- v. Marine Biological Research Institute at Ratnagiri on 2nd January 2011 for students of S.Y.B.Sc., T.Y.B.Sc. and M.Sc.

9. Research projects

a. Newly implemented:

Department Of Chemistry

- Mr. K. J. Chavan, Assistant Professor received a minor research project from the University of Mumbai in the area of *Multiphase reactions under heterogeneous conditions*. Research Grant: Rs. 25, 000/-.

Department Of History

- Dr. R.V. Gore, Assistant Professor undertook two minor research projects:
 - (i) University of Mumbai sponsored minor research project 2010-11. Title- *Social and educational contribution of Jain community in Mumbai*. Total grant received Rs.10, 000/-.

- (ii) U.G.C. sponsored minor research project 2010-12. Title: *Development of Metropolitan city: New Mumbai*. Total grant received Rs. 60,000/-.

Department of Marathi

- Ms. Vaishali Jawlekar, Head was granted Minor Research Project by UGC for a period of two years (2010-2012). Total amount sanctioned Rs. 50, 000/ - Title: *Review of syllabus and its effectiveness in terms of job opportunity*.

b. Completed:

Department Of Chemistry

- Ms. H. I. Keer, Associate Professor and Ms. S. D. Nadkarni, Associate Professor submitted minor research project of Rs. 20,000/- Title *Preparation of glucosamine hydrochloride an anti arthritic drug from chitin and its analytical profile* in August 2010 to University of Mumbai.

Department of Psychology

- Dr. Nandini Diwan, Head completed a minor research project titled *Need for Social Approval, Locus of Control and Self-esteem of Female College Students* and submitted the report to the University of Mumbai in July 2010.
- Under the guidance of professors, students of F.Y.B.A. and S.Y.B.A. conducted 5 research studies on the theme of *Old Age and Related Issues* and presented the papers at the Trishool Research Convention organized by the Department of Psychology of Smt. P. N. Doshi Women's College of Arts at Ghatkopar. All the papers *Depression as a Function of living in Old Age Homes v/s Living in Families in Mumbai* (Ms. Prachi Tripathi, Abhilasha Mhatre and Kalyani Govekar, S.Y.B.A.) *Comparison of Cognitive Failures and self esteem in Working and Non-working Groups of Elderly Adult Population* (Mr. Paras Gala, Madhava Galgali, Yogesh Gadgil, F.Y.B.A.), *A Study on Purpose in Life of Elderly Adults With and without Spouses* (Aabha Huddar, Meenal Warangaonkar, Sadaf Vidha, F.Y.B.A.), *Study of Loneliness in Elderly People Living With Spouse and Without Spouse* (Ms. Perna Sharma, Runjhun Pandit, Sonia Surti, F.Y.B.A.), and *Comparison of Loneliness in Elderly People Living in Old Age Homes and With Families* (Ms. Amruta Khare, Chaitra Satav and Supriya Joshi, S.Y.B.A.) were also highly appreciated by the judges and the conference delegates.
- Dr. Nandini Diwan, Head worked as a Member of the Research Ethics Committee of Super Religare Laboratories (SRL) and evaluated ethical aspects of one research

project in September 2010. Also as directed by the Research and Recognition Committee in Psychology of the University of Mumbai, suggested suitable modifications in the research proposal for Ph. D. of Mr. Nilesh Shinde in December 2010.

10. Patents generated, if any:

No patents were generated this year.

11. New collaborative research programmes:

- **Department of Zoology**

Characterization of bioactive compounds from marine mollusk and porifera that regulate osteoclastogenesis, Department of Biotechnology, Ministry of Science and Technology, Government of India. This is a collaborative project between D. G. Ruparel College (Dr. Madhavi Indap, Former Head, Department of Zoology) and ACTREC (Dr. Shubhada Chiplunkar, Head, Department of Immunology) - Rs. 28,59000/- DBT (13th June 2008 to 13th June 2011).

- Research continued with BASF and Chemotest Laboratories.

12. Research grants received from various agencies:

S.N.	Name of Researcher	Grant Agency	Amount
1.	Mr. K. J. Chavan	Minor Research, University of Mumbai	25, 000/-.
2.	Dr. R.V. Gore	Minor Research, University of Mumbai	10, 000/-.
3.	Dr. R.V. Gore	Minor Research Project by UGC	60,000/-.
4.	Ms. Vaishali Jawlekar	Minor Research Project by UGC	50, 000/ -

13. Details of Research Scholars:

Teachers as research scholars:

Following teachers are pursuing Ph.D.:

NAME	DEPARTMENT
Mr. K. J. Chavan	Chemistry
Mr. K. T. Waghmode	Chemistry
Mr. Dilip Maske	Physics
Ms. Abhaya Chitre	Mathematics

Ms. Deepali Bhide	Geography
Ms. Anagha Mandavkar	Marathi
Ms. Anupama Yende	Philosophy
Mr. Sandip Kadam	Philosophy
Ms. Neeta Tatke	Psychology
Ms. Anjana Bhowmick	B.M.S.

Teachers as research guides:

Department of Botany

- Dr. Vikas Golatkar, Head, Department of Botany

Three students for Ph.D.

1. Mr. Deepak Sohoni
2. Ms. Komal Palande-Ayare
3. Ms. Revati Bagoole-Jadhav

- Dr. Sudha Sawant

Three students for Ph.D

1. Ms. Dhvani Goradia
2. Ms. Neeta Patil
3. Mr. Santosh Sharma

Department of Chemistry

- Dr. Nandini Pai, former Head

One student for M.Sc.

1. Mr. Prashant Jadhav

Eight students for Ph.D

1. Mr. Kailaskumar Borate
2. Mr. Deepnandan Dubhashi
3. Mr. Parag Kulkarni
4. Mr. Krishnakant Waghmode
5. Mr. Amrisha Samel
6. Mr. Sandesh Vishwasrao
7. Ms. Seema Sawant
8. Mr. Anil Mahajan

- Dr. Rajan Rele, Associate Professor

Two students for Ph.D

1. Mr. Pravin Desai
2. Mr. Rajesh Mali

Department of Physics

- Dr. Tushar Desai, Head
 1. Ms. Shruti Save has completed M.Phil under his guidance.

Department of Zoology

- Dr. Madhavi Indap , former Head
 1. Ms. Babita Balkrishnan. : Thesis submitted
 2. Ms. Rupa Phatak: Thesis submitted

Department of Economics

- Dr. Prakash Salvi, Head
 1. Ms. Mona Bhalla was awarded Ph. D. degree in *Interstate Inequality of the Post Reform Period (with special reference to state public finances)*.
 2. Mr. Sameer Anvekar submitted the thesis entitled *Developments and Analysis of Indian Debt Market*.

14. Citation index of faculty members and impact factor:

Indian Journal of Marine Science: Impact factor: .35

Research papers published in the Research Journals of Chemistry have good citation index and impact factor.

15. Honors / Awards to the faculty:

- Dr. N. R. Pai, former Head, Department of Chemistry was honored with the *Best Teacher Award* by the Government of Maharashtra for the year 2008-2009 in a special function held on 4th September 2010.
- Dr. Tushar M. Desai, Principal was honored with the *Best Teacher Award* by the Government of Maharashtra for the year 2008-2009 in a special function held on 4th September 2010.

16. Internal resources generated:

- Department of Marathi - Books, Hard -Disk from minor research project funding.
- Department of Psychology - Alumnus Dr. Rucha Londhe (Research Associate, Goodman Research Group, Cambridge, USA) donated Rs. 2,500/- to the Department.
- Library: Fine Rs. 44,955/-.

17. Details of departments getting SAP, COSIST (ASSIST)/DST. FIST, etc. assistance/ recognition: NIL

18. Community services:

Department of Botany

- Dr. V. V. Golatkar, Head, Department of Botany guides the students of Anjuman –I-Islam School, Bandra to improve their performance in HSC examination.
- Microbial cultures and plants incorporated in the syllabus of UG students are provided free of cost to the colleges in need.

Department of Psychology:

- Dr. Nandini Diwan, Head conducted a Training the Teachers Workshop on *Effective Study Habits* for 82 teachers from 51 B.M.C. schools mainly from the K-West ward as a part of the *Abhyudaya* project for economically disadvantaged school students undertaken by S. P. Jain Institute of Management Studies and Research in SPJIMR on November 25, 2010.
- Ms. Neeta Tatke, Associate Professor performed and was also the coach for about 50 Mallakhamb and Jaldeepasana demonstrations performed in and around Mumbai. She accompanied Visually Challenged students for about 20 Mallakhamb and Jaldeepasana demonstrations performed in and around Mumbai and in Maharashtra. She also regularly trains, organizes and conducts coaching camps for visually challenged, foreign Nationals and others in Indian Traditional Physical Culture Mallakhamb and Jaldeepasana and works as an office bearer of a Charitable Trust Sport Institution.

Department of Marathi

- Ms. Anagha Mandavkar, Associate Professor worked as judge for an inter-school Debate competition organized by IES Education Society on 27th November 2010.

19. Teachers and officers newly recruited:

Assistant Professors (Temporary)

Name	Department
Ms. Samiksha Jadhav	Economics
Ms. Savita Bingi	Mathematics.
Ms. Prachi Kulkarni	Management Studies
Ms. Anjana Bhowmick	Management Studies
Ms. Corina D'souza	Management Studies

Mr. Martin Ebnazer	English
Ms. Moonam Kharat	Philosophy
Ms. Amruta Padhye	Psychology
Mr. Pranav A. Purandare	Physics
Mr. Giraj S. Sharma	Physics
Mr. Mahendra A. Vadnere	Physics
Miss Sarika D. Pawar	Physics.
Mr. Ravi S. Singh	Physics
Mrs. Vasanti Patil	Statistics
Mr. Sagar Gavas	Zoology
Mrs. Meena Wankhede	Zoology
Dr. Monica Chavan	Zoology
Mr. Sagar Tipnis	Commerce

20. Teaching – Non-teaching staff ratio:

Teaching Staff: **82** Non teaching Staff: **92** Ratio: **1: 0.89**

21. Improvements in the library services:

- **College Library:**

Special Reader Service was provided to the former staff members, alumni and others.

93 Books were issued to special readers.

Various services were provided by the Library, the details of which are as follows: (upto 31st January 2011)

1	Document Delivery	42 Teachers and alumni received articles/ documents which were related to their research.
2	Book Review	10 book reviews sent to the Heads of Departments for book selection.
3	Publishers' Catalogues	60 Catalogues sent to the Heads of Departments for book selection.
4	Periodicals Content Pages	67 Periodicals content pages delivered to the Departments of Botany, Zoology, Physics and Chemistry.

5	Periodicals content pages Display	49 Periodical Content pages displayed on the Library notice board.
6	Clippings	96 Clippings displayed on notice board related to reading, books and book trade from Times of India, Indian Express, Mumbai Mirror, Loksatta, Maharashtra Times and Hindustan Times.
7	Special Reference	Provided to 62 Visitors, alumni, former Teachers
8	Display Materials	211 donated journals, booklets, posters, leaflets and reports displayed in the 2 nd Floor Reading Hall.
9	Display of Notice and Other Invitations	37 invitations of programmes and other activities displayed for the students.

- A departmental library has been set up in the Department of Botany for post-graduate students.
- The Department of Chemistry has more than 250 books in the departmental library.
- The Department of Psychology: Between June 2010 and March 2011, 21 books were added to the Department Library which now has 402 books.

22. New books/journals subscribed and their value:

Sr.No.	Category	No. of books added	Amount spent
1	General Fund- UG	817	2,17,694
2	UGC- UG	14	9,750
3	UGC- PG	164	1,58,694
4	BMS	56	16,183
5	Comp/IT	52	26,966

No. of periodicals subscribed to and renewed: 86

Total Amount spent: 1, 18,825

23. Courses in which student assessment of teachers is introduced and the action taken on student feedback:

- The written suggestions regarding improvements in teaching-learning received from the students through the Suggestion Box were considered and necessary action was taken.
- Department of Management Studies: Students' feedback is collected class-wise every semester, and teacher-wise reports are prepared on grades obtained. The Coordinator of the Department advises teachers on improvements required based on feedback.

24. Unit cost of education:

- The Unit cost of Education for the current academic year per student was as follows:

Aided Courses	Un-Aided Courses
Excluding salary component : Rs. 4115.38	Excluding salary component : Rs. 7744.122
Including salary component : Rs. 30018.79	Including salary component : Rs. 19025.57

25. Computerization of administration and the process of admissions and examination results, issue of certificates:

The College Office, especially administration and accounts, is fully computerized. The accounting modules for printing cheques and vouchers in Tally were upgraded to improve and expedite the accounting process.

Examination section is fully equipped with computerized system ; it provides detailed mark-sheets to students on the date which is communicated by college to students and parents in advance.

26. Increase in the infrastructural facilities:

- **Department of Chemistry:**

Public address system was installed in room 25 Science.

- **Department of Physics:**

Apparatus such as 8051 microcontroller kits, PIC microcontroller, new kits for T.Y.B.Sc Electronic Instrumentation were purchased during this year.

27. Technology up gradation:

- Library: New Additions to the Internet section

Computers	Multimedia: 03 Internet: 07
Software for visually challenged	Jaws 11.0, Book Wizard, Talking Player

students	
Printers	Internet Section: 01 Inkjet Multimedia Section: 01 Printer with Scanner, Photocopy and Fax
Scanner	01
TV System	01 TV - 14' with Set Top Box 01 TV - 29' with Dish Antenna
Others	01 Cassette Player 01 DVD Player 01 Recording System Camera 01 UPS System 01 Wi-Fi Access Point 01 Digital Pen Tablet 06 Headphones
Library Automation Software	SOUL 2.0 (New Version)

- WiFi Facility has been installed in the Computer Laboratory.
- A multimedia centre has been set up to help teachers in recording lectures and preparing instructional material. It is equipped with a high-resolution scanner, digitizer, video camera, video signal processing cards and mp3 recorder.
- 2 televisions for viewing educational programmes through channels like GyanDarshan.
- **Department of Physics:**
Digital Storage Oscilloscope, Electromagnet producing heavy (12 tesla) magnetic field, Muffle Furnace with PID temperature Control, Digital micrometer, camera etc purchased for UG/PG.
- **Department of Psychology:**
3 copies of *Coglab 2.0 on a CD*
1 copy of *Statistics Alive!* with CD *Statistical Package for Social Sciences*(SPSS Student Version 16)

28. Computer and internet access and training to teachers and students:

- Most departments offering majors at T.Y. level have computer with internet access in the departments. The teachers as well as the students make extensive use of the

computers for making PowerPoint presentations, preparing seminar papers and projects as well as for reference work by surfing the internet.

- Two computers with internet access and a laser printer have been provided in the Staff Common Room to assist teachers in preparing for lectures.
- **Students have free access to the computers in the library.** Total number of 19,200 students and teachers used this facility during the academic year. One person has been appointed exclusively for guidance and training of Internet / Multimedia users.

29. Financial aid to students:

- Dr. Nandini Diwan made financial arrangement for daily lunch in the College canteen for a needy and deserving student of M.Sc. From August 2010 to March 2011, total amount of Rs. 3,225/- was paid by her to the canteen for the student's lunch.

30. Activities and support from the Alumni Association:

- Informal association has been formed with Botany graduates and post graduates, who are working in the industry or in teaching field. Reference letters are given to alumni to help them to get jobs in the industry or admission to foreign universities. They help the teachers to know the needs of the industry. The alumni visit the Department for identification of plants or plant products and to know about book resources.
- The Chemistry Alumni Association contributed Rs. 106000/- to install endowment prizes in the name of former Principal Dr. P. P. Kulkarni and Rs. 265000/- to install endowment prizes in the name of former Head of the Department Dr. Nandini Pai.
- Some rare books were made available by our alumnus Mr. Shirish Pathare of the Department of Physics.
- Many alumni of the college are now working in the media and entertainment industry. Every year, they organise a cultural programme during the Annual Day celebrations. This provides our students an opportunity to interact with established names from the industry and to benefit from their experience.
- **Department of Psychology:**
 1. interaction with our alumnus Dr. Rucha Londhe (Research Associate, Goodman Research Group, Cambridge, USA) regarding her research on cultural differences in child rearing on 16th December, 2010. Our alumnus Ms. Prachi Tamanhe gave

information about child counselling and shared her experiences as a professional counselor at the Institute for Psychological Health, Thane.

2. a talk on *The applications of Psychology in industrial organizations with special reference to the 'Myers-Briggs Type Indicator* by our alumnus Ms. Mridgandha Solapurkar (Consulting Psychologist, Singapore) on 18thDecember, 2010. Our alumnus Ms. Kasturi Phatak(Executive, HR, Leadership Development, Siemens) shared her experiences of working in the corporate world.
3. Our alumnus Ms. Neelima Deshpande works with dedication and sincerity as a visiting counsellor in the Suman Centre without any pre-condition about payment. Many current students benefitted from her expertise in guidance and counselling.
4. Our alumni Ms. Supriya Nair (Clinical Psychologist and Founder of 'Ascend Psychology') and Ms.Mugdha Bavare (Counsellor, 'Disha Centre') conducted workshops/gave talks for students through the Suman centre.
- Alumni of most departments holding good positions in the industry visit the Departments to interact with the current students and to guide them about the demands of the industry.

31. Activities and support from the Parent-Teacher Association:

- Most departments conduct parent-teacher meetings on a regular basis in order to provide feedback to the parents about the performance of their wards.
- Parents are invited for discussion or counselling in order to find solutions for problems faced by individual students.
- Several meetings for interaction of Principal and teachers with the weak and irregular students are held to motivate and enhance the performance of the students.

32. Health services:

- The college has a tie-up with Shushrusha Hospital for the medical facilities.
- First aid boxes are kept at different locations and are replenished regularly.

33. Performance in sports activities:

Our growth in the field of sports has been both consistent and remarkable. The College has a well equipped gymkhana with adequate space and equipments for both indoor and outdoor sports. Moreover the college gymkhana has developed a tie-up with external agencies to enable students to avail various additional facilities in certain sports like cricket, swimming, lawn tennis and badminton. An in-house rifle shooting range is also

made available for indoor rifle shooting. Our students participate in various competitions from regional to international level and bring laurels to the college.

The College has maintained its position in the **best five colleges in Sports** under the University of Mumbai.

Following are the achievements of our students in intercollegiate tournaments at the University level:

Cricket- Women	1 st Place
Basketball - Women	1 st Place
Softball – Men	2 nd Place
Softball – Women	1 st Place
Tennis – Women	1 st Place
Badminton - Men	3 rd Place
Badminton - Women	2 nd Place
Shooting pistol – Men	1 st Place
Yoga- Men	1 st Place
Yoga- Women	2 nd Place

1. Highest Sports Award conferred by the Government of Maharashtra is Shiv Chhatrapati Award and winner of the last year Shiv Chhatrapati Award was Ms. Sae Shetye for water-polo.
2. Ms. Puja Surve represented India at the Commonwealth Games, held in Dehli, for rhythmic Gymnastics.
3. Ameya Joshi and Nilesh Sakpal represented the College in the rifle shooting competition organized by University of Mumbai. The team won the Bronze Medal.
4. Madhuri Gaikwad participated in Soft Ball competitions.
5. Tanuja Lele was selected for training at the BCCI.

34. Incentives to outstanding sportspersons:

Students who represent the college in various sports are unable to attend classes regularly due the demands of their training schedule and competitions. The teachers provide them extra guidance in their studies whenever required.

35. Student achievements and awards:*Academic Achievements:*

- Rohit Ajgaonkar stood **first** in the University of Mumbai at T.Y.B.Sc. examination held in April 2010. He scored a record 96.6%.
- Ms Tanvi Paradkar our student of T.Y.B.A. Marathi (2009-2010) has secured the First Rank in University Exam held in March 2010. She has been honored by Gold Medal and various prizes from University Of Mumbai.
- Ms. Juhi Shah stood 2nd in University of Mumbai at T.Y.B.Com. 2010 in the subject of Accountancy.

List of students securing First Class at the graduation and post graduation level

Sr. No.	Department	Degree	No. of students
1.	Economics	T.Y.B.A.	18
2.	English	T.Y.B.A.	05
3.	Marathi	T.Y.B.A.	02
4.	Philosophy	T.Y.B.A.	20
5.	Psychology	T.Y.B.A.	21
6.	Psycho-Philo	T.Y.B.A.	03
7.	History- Political science	T.Y.B.A.	07
		TOTAL	69
8.	Management Studies	B.M.S.	30
9.	Commerce	T.Y.B.Com.	221
10.	Botany	T.Y.B.Sc.	11
11.	Chemistry	T.Y.B.Sc.	07
12.	Computer Science	T.Y.B.Sc.	(Distinction)03
13.	Computer Science	T.Y.B.Sc.	07
14.	Information Technology	T.Y.B.Sc.	(Distinction) 05
15.	Information Technology	T.Y.B.Sc.	71
16.	Mathematics	T.Y.B.Sc.	01
17.	Physics	T.Y.B.Sc.	17
18.	Statistics	T.Y.B.Sc.	02
19.	Zoology	T.Y.B.Sc.	04
		TOTAL	128
20.	Botany	M.Sc.	09
21.	Chemistry	M.Sc.	06
22.	Computer Science	M.Sc.	09
23.	Information Technology	M.Sc.	04
24.	Zoology	M.Sc.	03
		TOTAL	31
25.	Zoology	Ph.D.	Dr. Aditya Akerkar
26.	Zoology	Ph.D.	Dr. Sushma Parab
27.	Zoology	Ph.D.	Dr.Monika Chavan

- Nine students appeared for M.Sc. Examination in Botany in April 2010 of which seven students passed with distinction and other two passed in First class.
- Fifteen students appeared for T.Y.B.Sc. Examination in Botany in April 2010. All of them passed in First class and three of them passed with Distinction.
- Following students working under the guidance of Dr. Madhavi Indap former Head, Department of Zoology won prizes at the 9th International Marine Biotechnology Conference held at Qingdao, China from 8th to 12th October 2010 -
 1. Ms. Babita Balkrishnan and Dr. Madhavi Indap won *Young Scientist Award- 1st Prize* - for best oral presentation.
 2. Ms. Sushama Parab and Dr. Madhavi Indap won *Young Scientist Award- 1st Prize* for best poster presentation.
 3. Mr. Aditya Akerkar and Dr. Madhavi Indap won a special award as *Young scientist from developing countries*.

Students pursuing Doctoral studies abroad:-

- Two students from the Department of Chemistry, Ms. Pallavi Gosavi and Siddita Aparaj are pursuing Ph.D. abroad.
- Asma Hazir, Amruta Mankar and Hemendra Pandya, Ketaki Gurav, students of S.Y.B.Sc. participated and were awarded participation certificates in the intercollegiate Seminar on *Applications of Mathematics and Statistics*, held on 20th August 2010, organized by Malini Kishor Sanghvi College of Commerce and Economics.
- Sharvina Pawaskar, Nitasha Satija, Ajinkya Nibhorkar, Hemendra Pandya, Apurva Mhapuskar, Asma Hazir, Ketaki Gurav, Shambhavi Tendulkar, Amruta Mankar of S.Y.B.Sc. class were awarded participation certificate in the Numero Uno 2010, in the Inter- Collegiate Mathematics and Statistics Quiz Competition held by H. R. College of Commerce and Economics.
- Hemendra Pandya, Jetendra Mulay, Asma Hazir, Amitkumar Singh, Aditi Yogi, Manali Sohani, Madhuri Sawant of S.Y.B.Sc. class were awarded participation certificate at Madhava Mathematics Competition, organized by Department of Mathematics, S. P. College, Pune and Homi Bhabha Centre for Science Education, TIFR, Mumbai

- Ms. Khushboo Dattani (F.Y.B.A.) secured the second prize in the Kani Memorial Presentation competition held by the Department of Geography, University of Mumbai.

Achievements in co-curricular activities:

- Ms. Pradnya Mane (T.Y.B.A., Psychology), won the *Miss Mumbai University* title for 2009-2010.
- Ms. Dipti Shide (T.Y.B.A., Psychology), won the 1st prize in Elocution and a Gold Medal from University of Mumbai in the Youth Festival, the 2nd rank in Debate and a Silver Medal in Literary Events at the state-level Youth Festival *Indradhanushya* held in Pune University, and 2nd rank in the prestigious P. C. Alexander Elocution Competition organized by University of Mumbai.
- On October 16, 2010, a skit on *Teenage Suicide and Depression* written and presented by 9 students of T.Y.B.A., Psychology won the First Prize of Rs. 10,000/- and a trophy in the competition organized by the Masina Institute of Psychotherapy and Behavioral Sciences at Masina Hospital Ms. Kalyani Jadhav was given a special prize and a trophy for her sensitive portrayal of a hosteller who commits suicide due to stress.
- Two students of M. Sc. P I (Chemistry), Pritesh Sharma and Shweta Dandekar were selected by Asian Paints for Summer Training in May 2011.
- Students of Marathi participated in a Radio Programme Yuva Vani On November 2010.
- Students of Marathi also participated actively in Vidyarthi Melava organized by Marathi Abyas Mandal at Somaiya college, Vidyavihar.
- Vivek Mishra won the following awards and prizes-
 - i. Consolation prize for Hindi skit at the University of Mumbai
 - ii. *Journalist of the year* award at M.E.T., Bandra
 - iii. *Radio Jockey of the year* award at M.E.T., Bandra.
 - iv. Gave voice over for a short film—*the intellectual crow* which won 6 gold medals in India and a medal in Dubai Film Festival.
 - v. was part of the IPTA winning play *Ghutan*.
- F.Y and S.Y.B.M.S. team comprising of Mitesh, Swapnil, Aniket and Mihir won 2nd prize in Intra-collegiate LAN gaming in the College Techfest.

- The following students won prizes in the intra-collegiate festival Aarambh 2011 (4th to 6th January 2011):
 - a. Vivek Mishra of T.Y.B.M.S and Mihir Chavan of S.Y.B.M.S. won 1st prize in Debate competition.
 - b. Mudhir Shaikh , Sameer Bhoite, Ashutosh Gokhale of F.Y.B.M.S. won 2nd prize in Just a Minute.
 - c. Vivek Mishra, Sandeep Singh and Jaimala Pandey of T.Y.B.M.S. won 2nd prize in the Business Bazigar competition.
 - d. Sameer Bhoite, Ashutosh Gokhale and Mitesh Rakshe of F.Y.B.M.S. won 1st prize in Ad-Mad competition.
 - e. Sonali Chavan, Harshad Pebankar, Harshada of S.Y.B.M.S. won 2nd prize in Ad-Mad competition.
 - f. Dnyaneshwar Kangane, Varsha Sadafule and Prachi Shigam of T.Y.B.M.S. won 1st prize in Virtual Stock Market competition.
 - g. Mihir Chavan, Aditi Mahale and Yashashree Kamerkar of S.Y.B.M.S won 2nd prize in Virtual Stock Market competition
 - h. Swati Agarwal, Shweta Ambolkar, Smruti Phatak of S.Y.B.M.S. won the 1st prize in Being Socially Responsible.
 - i. Vivek Mishra, Sandeep Singh and Jhanvi Vartak of T. Y.B.M.S. won the 2nd prize in Being Socially Responsible.
 - j. Rachit Dhedia of F.Y.B.M.S. won the 1st prize in Ruparel's Got Talent.
- Students of F.Y.B.A., S.Y.B.A. and T.Y.B.A. participated and won prizes in intercollegiate competitions; the details of which are as follows:
LANG GAUGE – festival conducted by Jhunjhunwala College, Ghatkopar in December 2010:

Name of the student	Class	Event	Prize
Ishwari Patkar	SYBA	Caption Contest	2 nd
Bhavna Suleria	FYBA	Caption Contest	3 rd
Shivranjani Palkonda	FYBA	Vocabulary Bonanza	3 rd
Paras Gala	FYBA	Pick and Talk	1 st
Bhoomi Kothi	SYBA	Pick and Talk	2 nd

MAD HATTERS – festival conducted by Ruia College in January 2011:

Name of the student	Class	Event	Prize
Paras Gala	FYBA	Ex tempore	1 st
Raj Daftary	SYBSc	Ex tempore	3 rd
Neeraja Vaidya	SYBA	Creative Writing	1 st
Paras Gala	FYBA	Creative Writing	2 nd
Paras Gala	FYBA	Group Discussion	1 st
Neeraja Vaidya	SYBA	Group Discussion	2 nd
Prachi Chhatre	TYBA	Group Discussion	3 rd

Prizes won by the Theatre Group

IPTA Intercollegiate Drama Festival, September 2010

GHUTAN- Best One Act Play : 1st Prize

Best Director : Ranjeet Patil

Best Actor (MALE) : Onkar Raut

Best Actor (FEMALE) : Sai Joshi

Consolation : 1. Nakul Joshi 2. Krunal Rane

2. MALABH

UTTUNG EKANKIKA SPARDHA :

Best One Act Play : 2nd Prize

Best Writer : Kiran Yadnyapavit

Best Director : Ranjeet Patil

Best Actor (MALE) : Onkar Raut

Best Actor (FEMALE) : Sai Joshi

MRUGJAL:

Best Actor (MALE) : Onkar Raut (2nd prize)

3. CHABBIS GYARAH (SKIT)

UNIVERSITY YOUTH FESTIVAL: CONSOLATION

4. 18 TILL I DIE

SAKAL MAHAKARANDAK (MUMBAI FINAL):

Best One Act Play : 2nd Prize

Best Director : Onkar Raut

Best Actor (MALE)	:	Tushar Ghadigaonkar
Best Set	:	Nilesh Chavhan
Consolation (ACTRESS)	:	Samrudhi Ghumre
Consolation (WRITER)	:	Onkar Raut

SAKAL MAHAKARANDAK (MEGA FINAL , PUNE):

Best One Act Play	:	1 st Prize
Best Director	:	Onkar Raut
Best Actor (MALE)	:	Tushar Ghadigaonkar
Best Actor (FEMALE)	:	Samrudhi Ghumre
Consolation	:	Amol Rewale
Best Lights	:	Onkar Raut

KIRTI ANTARANG:

Best One Act Play	:	2 nd Prize
Best Director	:	Onkar Raut
Best Actor (FEMALE)	:	Samrudhi Ghumre

MAHATMA PHULE KARANDAK:

Best One Act Play	:	2 nd Prize
Best Actor (MALE)	:	Tushar Ghadigaonkar
Best Writer	:	Onkar Raut

SPANDAN (PATKAR COLLEGE):

Best One Act Play	:	2 nd Prize
Best Actor (MALE)	:	Tushar Ghadigaonkar
Best Writer	:	Onkar Raut

SAVAI EKANKIKA SPARDHA:

Best Actor (FEMALE)	:	Samrudhi Ghumre
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Achievements of the N.C.C. Unit (Girls)

- **ThalSainik Camp:** 5 senior cadets attended 1st TSC selection camp in June. JUO Akhila was selected till semi-final round for Malvankar Shooting selection held at the camp.
- Six cadets attended TSC camp held at Uran
Cdt. Deepali Chaugule won 2nd prize in Essay Writing.
- Three cadets were selected for further camp in which SUO Pooja Soni was

selected for pre-TSE and was the Field Signal Nominee of Mum "A" Group at Pune.

- **Republic Day Camp:** Two cadets attended this camp held at Uran in October, 2010.

Cdt. Megha Wagh won Gold medal in Cross Country and Silver medal in Dance.

Cdt. Pooja Kadam was selected for further camps and become qualified for Pre-Cat.

- **ATC:** four cadets attended 1st ATC camp held in September 2010 at Uran. Cdt. Nutan Sawant performed Yoga and won the Gold medal. Seven cadets attended 2nd ATC camp was in January, 2011.
- **Special Camps - Ooty Trekking Camp:** Two senior cadets attended this camp in May, 2010. JUO Rupali Divekar was the Master of Ceremony for the event.
- **NIC Camp at Udaipur:** Two junior cadets attended this camp from 19th October to 30th December, 2010. Cdt. Megha Wagh and Cdt. Nutan Sawant won individual Gold medal in Kho-Kho. Cdt. Nutan Sawant performed Yoga and won Gold medal in talent show.
- **NCC Day:** NCC Day was celebrated on 25th January, 2011. The pilots for the event were CSM Kajal Kamble and Cdt. Shraddha Shinde. JUO Rupali Divekar and Cdt. Pooja Kadam gave Guard of Honour along with the Boys Unit to the Chief Guest Lt. Col. J.P. Sahoo, CO of 3 MAH Boys BN. CQMS Anusuya Nadar and Cdt. Vijaya Ghuge gave a demonstration of Valley Crossing to the Chief Guest. The theme of Flag Area was Social Awareness.
- Cdt. Pooja Kadam, Cdt. Nutan Sawant and Cdt. Megha Wagh were felicitated for winning various medals in Camp Events. The exhibition based on theme of social awareness dealt with issues like HIV/AIDS, Population, Pollution and Corruption. At the end of the event all the cadets performed Rappelling in the College Campus Science Building.

Achievements of the N.C.C. Unit (BOYS)

- **Republic Day Camp:** Seven cadets attended the RDC cum GSC (1) Camp held at JNPT, Uran.

Cadet Sandesh Daptare bagged Silver Medal for anchoring. JUO Amey Bhojane was

the RDC Camp Senior.

6 cadets - JUO. Amey Bhojane, Cdt. Abhijit More, Cdt. Sandesh Daptare, Cdt. Bharat Thorat, Cdt. Krishna Yadav, Cdt. Dilip Makwana attended the prestigious pre-CAT RDC Camp held at Aurangabad, Maharashtra.

5 cadets were selected in group dance for Mumbai (A) Group, which stood first. Cdt. Abhijit More, Cdt. Sandesh Daptare, Cdt. Bharat Thorat were selected in group song for Mumbai (A) Group, which was the runner up.

JUO. Amey Bhojane, Cdt. Dilip Makwana, Cdt. Sandesh Daptare were selected for CAT - (1) Camp, Aurangabad, Maharashtra.

Amey Bhojane was selected for Rajpath Contingent on 26th January Parade and for PM's Rally.

- **TSC Thal Sainik Camp:** CSM-Gaurav Lad, Cdt. Mohita Nair, Cdt. Sandesh Daptare attended the TSC Camp at Uran.
- **Special Camps: NIC (Chembur)-SUO.** Nitish Rele and CSM-Vijay Jawale attended the camp at Chembur, Maharashtra. CSM Vijay Jawale participated in guards of honour given to D.D.G. Brigadier P. C. Roy.
- **Shillong Trek:** CSM. Gaurav Lad and CSM. Bhushan Bidye attended this camp at Shillong, Meghalaya. CSM Bhushan Bidye bagged Silver Medal in Solo Dance. CSM. Gaurav Lad and CSM. Bhushan Bidye participated in group dance and group song representing culture of Maharashtra. The Directorate bagged Silver Medal in respective events. CSM. Bhushan Bidye was selected as the pilot in the camp.
- **Avhan Camp :** 5 Cadets- CSM. Bhushan Bidye, CSM. Vijay Jawale, CDT. Mohit Nair, Cdt. Kunal Chavan, Cdt. Narayan Motirave were selected to attend the Avhan Camp held at Kalina Campus, Mumbai, Maharashtra. Cdt. Kunal Chavan was awarded as the best in Rapelling Event.
- **Trek Camp:** 7 cadets attended the One day Trek Camp at Karjat, Mumbai, Maharashtra - CSM. Bhushan Bidye, CSM. Gaurav Lad, CQMS. Yash Pathak, SGT. Kaustubh Thawkar, SGT. Tushar Jadhav, CSM. Vijay Jawale CSM. Gaurav Lad ranked third in completing the Trek.

Other Activities:

- *Against Drinking and Driving:* This programme was attended by senior cadet CQMS. Yash Pathak with 5 junior cadets.

- *Ganesh Visarjan*: 10 cadets worked as volunteers and assisted the Mumbai Police to control the crowd at Girgaon Chowpatty, Mumbai.
- *Social Activity*: 10 cadets participated in AIDS Awareness campaign and Tree Plantation Event held at Haji Ali, Mumbai. Most of our cadets donated blood in blood donation campaign which was held in the College Gymkhana.

Achievements of the N.S.S. Unit

I. University based Projects :

- **Indo-Pak Peace Rally**: On 28th July, 2010 the SavliShikshan Mandir organized the Indo-Pak rally at Chaitya Bhumi, Dadar. A total of 65 volunteers attended this rally.
- **Hiroshima Rally**: On 6th August, 2010, 43volunteers attended the peace rally held at Azad Maidan.
- **Sadbhavana Rally**: On 20th August, 2010 the volunteers attended the Sadbhavana rally which was held at Ravindra NatyaMandir.
- **Ganesh Visarjan**: On 15th, 17th and 22nd September, 2010 our volunteers helped the Mumbai police to handle the crowd as well as traffic at Dadar Chowpatty.
- **Non-violence Day Rally**: On 2nd October, 2010 our volunteers attended a seminar on Mahatma Gandhi in University of Mumbai's convocation hall.
- **Tata Cancer Rally**: The volunteers attended the Tata Cancer rally at KEM hospital on 10th October 2010.
- **Yuva Cafe**: On 28th December 2010 volunteers attended the Yuva Cafe seminar conducted at Bhaidas Hall, Vile Parle by Yuvak Biradri.
- **Seminar against Superstition**: On 4th January, 2011, the University conducted the seminar in the University Convocation Hall on removal of superstitions.
- **Martyr's Day Rally**: On 29th January, 2011 the volunteers participated in the Martyr's Day rally at Azad Maidan. It was organized by University of Mumbai.

II. College based Projects:

- **Inauguration Ceremony**: On 30th July 2010 the unit was inaugurated by Dr. Satish Kolte (NSS District Co-ordinator).
- **Flag Selling**: From 12th August2010 volunteers conducted flag selling in our College premises. The flags sold were made by mentally disabled and handicap children. The money collected from the flags was given back to the organization of those children. A total of 1000 flags were sold.

- **Independence Day:** On 15th August 2010, Independence Day was celebrated in our College. A squad of 25 NSS volunteers participated in the parade along with the NCC volunteers. The NCC volunteers presented their annual report and the program ended with NCC and NSS songs.
- **College Clean Up:** On 22nd August 2010 and 12th December 2010 College clean-up campaign was taken up.
- **NSS Day - 24th September:** The volunteers celebrated the NSS Day in the College. Competitions like Debate, Elocution, Essay writing, Rangoli, Poster making were held. Street play on AIDS awareness was also performed.
- **Seminars :**
 1. *MAVA (Men against Violence and Abuse):* On 16th August 2010 a seminar was conducted by Dr. Harish Sadani. The volunteers performed a street play on violence and abuse done towards women.
 2. *Consumer Rights:* On 18th August 2010, this seminar was held in the College. Around 40 volunteers attended this seminar.
 3. *Against Superstition:* On 4th January 2011, a seminar against superstitions was organised in association with the Department of Marathi.
 4. *Teach for India:* Volunteers organized a seminar by Teach India for the final year students.

III. Area-based Projects :

- Mumbai District AIDS Control Society:

A Sensitization workshop for NSS programme officers was arranged by MDACS on 7th July 2010 at Hotel Ranga Sharda. The topics discussed were- Basics of HIV/AIDS and Present Scenario, MDACS Services, Sex and Sexuality, Stigma and Discrimination, HIV/AIDS and Youth, Importance of RRC, Questionnaire Distributed.

This project included a Peer group Training Camp, Friendship Band Distribution, Blood Donation Camp, Street Play, Competitions based on HIV/AIDS Awareness, Workshop on AIDS, ICTC Visit.

- **RTO-Traffic Management:** From 16th to 18th August 2010, traffic policemen trained the volunteers on traffic safety rules.
- **One day Rural Camp -Vangani:** This camp was conducted on 19th August, 2010. Volunteers conducted teaching sessions for English for the students of an

ashram school. Games were conducted for the students. The volunteers also planted 30 trees which will provide shade. Volunteers distributed books and clothes that they had brought.

- **RakshaBandhan:** On the occasion of Rakshabandhan, volunteers visited KEM Hospital on 24th August, 2010. They celebrated this festival by tying rachis to the ailing bed-ridden children and by distributing sweets to them.

- **Malaria Awareness :**

1. *Meeting by Clean up! On Malaria Awareness :*

On 16th August 2010 the volunteers attended the seminar/meeting on malaria awareness at the BMC office in Dadar.

2. *Street play on Malaria Awareness:*

On 22nd August 2010 the volunteers performed a street play in Kasarwadi for Malaria Awareness. They distributed pamphlets in the area before their performance to spread awareness about malaria.

3. *Malaria Awareness in Slums:*

From 24th to 28th October 2010 the volunteers created malaria awareness in Dharavi and the surrounding areas.

- **Jaipur (Dummy) Foot Camp:** Volunteers did this project on 10th November, 2010 helped Mrs. Bhogde to get a dummy foot for her amputated left leg. As she lives in a remote area, it was not possible for her to get the required medical help. Our volunteers helped her to get the necessary treatment through co-ordination with the KEM hospital and their Jaipur Dummy Foot Camp which was conducted in orthopaedic department. This was first of its kind camp in Mumbai.
- **Pulse Polio:** On 19th December 2010 we conducted the Pulse Polio drive. 22 volunteers worked in the Dharavi area from 9 am to 5 pm.
- **Disaster Management:** On 7th January, 2010, the members of *Swayam* organization conducted a Disaster Management Workshop in our College. They gave information about First-Aid and also gave practical demonstrations.
- **BMC: Educational Project: City of Los Angeles School:** From 21st to 27th January 2011, innovative educational games were conducted in BMC School, each day from 2.00 to 5.00 p.m. Sessions on career guidance and importance of English were also held.
- **UMED - The Senior Citizen Talent Showcase:** 2nd February, 2011. Various

competitions were held for senior citizens - singing, mono-acting, instrumental music, poetry, essay writing and handicraft. The final event was held at Dadar-Matunga Cultural Center. Well-known Marathi actress Ms. Naina Aapte-Joshi acted as judge for the finals. The event was enjoyed by the senior citizens as well as the volunteers. It provided a platform for every senior citizen to exhibit their talents.

IV. Seven Days Special Rural Residential Camp :

A seven day residential camp was organised by the Unit for rural development of Alondhe, Taluka Vikramgad, District Thane. 43 volunteers (including 40 juniors and 3 seniors) and one Program Officer participated in this camp.

- A medical camp was arranged for the villagers in collaboration with Youth India Association.
- The volunteers also conducted a survey of 10 nearby villages to find out about common problems, health problems and family details of the villagers. This data has been submitted to Thane Municipal Corporation.
- The volunteers conducted various activities in nearby schools, played games and distributed small gifts to children.

- **Other Camps Attended:**

Leadership Training Camp: Two newly enrolled NSS volunteers attended Leadership Training Camp from 19th to 23rd September, 2009 at Swanad Yog Dham Ashram, Badlapur.

MAVA Camp: was Two volunteers attended this camp from 2nd to 7th September, 2010. They were made aware of problems faced by women including physical harassment and mental torture.

Zonal Level Camp at Ratnagiri: Three volunteers were selected for this camp which was held from 26th December 2010 to 2nd January 2011. It was organized by the Gogate-Joglekar College, Ratnagiri, NSS Cell and Shree Charitable Trust. It mainly focused on the issue of cleaning of the river bed. The volunteers worked on different parts of the river basin and removed mud and stones from the river.

- **Events:** Our volunteers participated in the following events and have also won the following prizes:

1. 12th August 2010; MDACS: 1st and 2nd prize in singing, participation in street play - Shivdi.

2. 3rd and 4th December 2010; Anubhuti Best College Award – Ramnarian Ruia College.
3. 14th December 2010; Yuvastra: Participated in Debate - S.I.W.S. College.
4. 2nd October, 2010; 3rd Prize: Poetry Writing - District Level.

36. Activities of the Guidance and Counselling unit:

'SUMAN' - Career Guidance and Counseling Centre

The 'Suman' Career Guidance and Counseling Centre continued to provide help to the students till 13th May 2010, the end of the extended academic term, and re-opened on 10th June 2010. Ms. Neelima Deshpande and Ms. Poonam Ghadigaonkar, the two visiting counsellors, provided guidance and counselling about coping with personal, academic, family, and emotional problems, and information about courses and careers. The Centre was open on Wednesdays and Thursdays between 11 a.m. to 3 p.m. and on Fridays between 11 a.m. to 2 p.m. Between 1st March 2010 and 4th February 2011, 133 persons visited the centre (34 male and 80 female students of Junior, Degree and Post-Graduate classes, 12 members of teaching and non-teaching staff, and 7 parents) and benefitted from the consultation, guidance and counseling which was given free of cost. Out of these 133 persons, 60 attended multiple counseling sessions ranging from 2 to 16 sessions.

- Professional psychologists and counsellors from *Ascend Psychology* organization conducted 4 workshops and gave 3 talks on the following important topics which were beneficial for the personality development of our students.
 - 29th June - Workshop on *Enhancing Decision Making*
 - 30th June - Talk on *Managing Fear and Anxiety*
 - 9th July - Workshop on *How to Get More out of Your Life*
 - 13th July - *Talk on Enhancing Self-Awareness*
 - 6th August - Workshop on *Enhancing Creativity and Innovation*
 - 3rd September – Talk on *Dealing with Difficult People*
 - 7th September – Workshop on *Developing Assertiveness*
 - On 9th August 2010, career counsellors from Disha Counseling Centre gave a talk on *Educational and career options after S.Y.J.C. Commerce*. All the students of Commerce from Junior College who attended were given an informative handout free of cost.
 - Our Visiting counsellor Ms. Neelima Deshpande conducted workshops on

Effective Study Habits for the students of Department of Chemistry on 7th, 15th and 18th July 2010 and of Department of Physics on 15th December 2010 and 12th, 13th, and 19th January 2011. These included testing of study skills of the students, giving feedback about their test scores and suggesting specific methods of studying effectively.

37. Placement services provided to students:

- Dr. Nandini Diwan is a member of the e-group Counsellors' Association of India. She regularly receives e-mails about various vacancies in the field of Psychology which are forwarded to Rupmaanas, our e-group of alumni. On Dr. Diwan's recommendation, Ms. Sachi Pandya was appointed as Research Assistant at S. P. Jain Institute of Management Studies and Research, Andheri, in January 2011.
- Department of Botany suggested names of the students who passed M.Sc. Examination in April 2010, to various companies. Four of them were placed.
- Following M.Sc. students who appeared for Asian Paints campus interview 2011 were placed:

Sr. No.	Name of the student
1	Aayushi Mehta (Job)
2	Pritesh Sharma(Training)
3	Shweta Dandekar (Training)

- 2 students of Commerce were selected by JET Airways as Cabin Crew.

38. Development programmes for non-teaching staff:

- Ms. Gayatri Gadgil, Head, Department of English conducted a guidance session on *Writing Effective Business Letters* for the non-teaching staff members of our College on 6th January 2011.
- Psychologist Ms. Pratima Havaldar delivered a talk entitled *Anandi Man Sukhi Jeewan* for the non-teaching staff on 31st March 2011.

39. Healthy practices of the institution:

- Environment-friendly practices.
- Increasing use of ICT in teaching learning process.
- Encourage alternative teaching methods like group discussions, debates and

presentations as well as field visits and excursions.

- Support for teachers to take up major and minor research projects.
- Financial assistance is provided to needy and deserving students.
- Participation of students in sports, cultural and other co-curricular activities for personality development beyond the syllabus.
- Activities of Suman – Career guidance and counselling cell for students. It aims at helping students to cope with personal, academic, family and emotional problems, and provides information about courses and careers.
- Promoting interaction of students with experts and professionals from the industry and enriching learning through guest lectures and seminars.
- Inter-disciplinary activities are encouraged to foster holistic thinking.

40. Linkages developed with National/International, academic/Research bodies:

- Dr. Vikas Golatkar, Head, Department of Botany is a life member of Indian Botanical Society and Jt. Secretary of Indian Botanical Society, Mumbai Chapter.
- Dr. M. S. Patki and Mr. G. S. Madkaikar, Department of Physics are Life members of IPA and IAPT.
- Mr. D.S. Maske, Department of Physics is Life member of MRSI, IPA and IAPT.
- Mrs. V. H. Patil, Department of Physics is life member of Nuclear India and IAPT.

41. Any other relevant information the institution wishes to add:

- Students of Botany maintained the Botanical garden under the supervision of Dr. M. Heble. Some new plants were planted. Students of Zoology look after the maintenance of the butterfly garden under the supervision of Prof. M. Dabir.
- The College received Developmental assistance for books, Journals and Equipment for the Chemistry, Physics and Botany Departments from the University Grants Commission.
- The College also received Developmental assistance under merged schemes for the establishment of UGC- Network Resource Centre, Remedial coaching, Higher Education for persons with special needs and Career and Counselling Cell from the University Grants Commission.

Part C: Detail the plans of the Department / Institution for the next year (2010-2011):

Research

- The College will promote research by encouraging the staff members to apply for minor and major research projects and other research schemes of the UGC. Staff members will be encouraged to publish research work.
- Under-graduate and post-graduate students will be guided and encouraged to undertake research studies/projects and to present/publish reports of the same.
- The Departments will invite resource persons from various research institutions and the industry to provide technical and industrial know how to the students and teachers.

Conferences, Seminars, Workshops

- The staff members will be encouraged to attend conferences and workshops to upgrade their knowledge.
- The Departments will be encouraged to organize state, national and international level conferences, seminars and workshops.

Courses and Consultancy

- To introduce more self-financing short-term / certificate courses to generate resources and to generate resources through consultancy.

Student Development

- To increase the placement of students through the Placement Cell.
- To implement programmes in the areas of *Effective Study Skills* and *Improving English*.
- To conduct talks on health-related issues and Gender Awareness among students.

Use of ICT

- To promote continuing use of ICT tools in teaching-learning by staff and students.
- To promote online testing of the students.

Ms. Neeta Tatke
Coordinator, IQAC
Mumbai, 31st May 2011

Dr. Tushar Desai
Chairperson, IQAC



MODERN EDUCATION SOCIETY'S
The D. G. Ruparel College
OF ARTS, SCIENCE AND COMMERCE
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Internal Quality Assessment Cell (IQAC)

2010-2011

Principal Dr. Tushar Desai	Chairperson
Mr. Dilip Maske	Vice Principal
Dr V. V. Golatkar	Teacher Member
Mrs. S. D. Nadkarni	Teacher Member
Mr. Prakash Shet	Teacher Member
Ms. V. K. Govilkar	Teacher Member
Dr. Nandini Diwan	Teacher Member
Ms. M. V. Dabir	Teacher Member
Ms. Gayatri Gadgil	Teacher Member
Dr. Pradip Karnik	Librarian
Dr. Pradeep Kulkarni	Member from Management
Dr. Anirudha Pandit	Nominee, Local Society
Ms. Neeta Tatke	Coordinator

