



MODERN EDUCATION SOCIETY, PUNE

The D. G. Ruparel College

OF ARTS, SCIENCE AND COMMERCE

senapati bapat marg, mahim, mumbai 400 016.

IQAC Report

The Annual Quality Assurance Report (AQAR) of the IQAC

2007-2008

The D. G. Ruparel College of Arts, Science and Commerce

Mahim, Mumbai 400016.

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2007-2008

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.

After taking stock of the changes brought about in the course of 2007-2008, the IQAC decided to consolidate the gains made and work on the following areas:

- Self-sustaining courses for students or the public.
- Increase in research activities.
- Greater innovations in teaching methodology.
- Formalisation of the Parent Teacher Association.
- Widening the scope of the institutional industry linkage.
- Conducting more guest lectures, seminars, workshops.
- Introducing training for competitive examinations.

Part B:

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

The mission statement of our College is one that reflects both the activities and 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 its own best competitor and so strives consistently towards bettering its performance.

- **A penchant for academics**

Our 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. The attempt of the College is to consolidate this strength and better it, a fact reflected through the ranks and performance at University and competitive examinations by students of the college each year. Moreover, the teachers work towards keeping abreast with the latest trends in their subjects by participating in seminars either as resource persons or observers.

See questions 6, 7, 8, 35, 40 and 41

- **Maximum curricular, co-curricular and extra-curricular opportunities and**

- **A scope to tap latent potential**

The College makes it a point to see that the maximum number of courses and subject options are made available to the students. Also remedial courses that help to address problems of the students like the Proficiency Course in English are also conducted by the College. Moreover recognising that the need of every child is different the College tries to make maximum opportunities available for participation in various competitions and sports that fulfill the child's potential in co and extra-curricular areas.

See questions 2, 3, 4, 8, 17, 33, 35, 40 and 41

- **Development of research abilities:**

In recognition of the fact that each individual needs to be taught to think independently within the given framework of the syllabus, the college encourages students to research their syllabus on their own with guidance from the teachers, as is reflected through the projects, paper and PowerPoint presentations that they undertake. The teachers also lead the way by undertaking research work through the pursuit of M.Phil., Ph.D. and major and minor research projects and publications

See questions 9, 10, 11, 12, 13, 14 and 41

- **An awareness of the environment,**

- **Community orientation and**

- **An inspiring value system**

Over and above providing the scope to staff and students to fulfill their ambitions, reach their goals and attain their maximum potential, the college also creates in them a social outlook and an awareness of their commitment towards the cause of the underprivileged and towards general

public good. This is reflected through the contributions of individual teachers and the activities of the N.C.C and the N.S.S.

See questions 8, 18, 29, 32, 39 and 41

- **An ambience that motivates** and
- **All-round personality development**

The steady and continued achievements of the staff and students of the College and the policies of the College ensure a balanced and healthy attitude towards education. The students and teachers thus find fulfillment and emerge as citizens that would contribute constructively to the future of the nation.

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

- A Certificate Course on *Indoor Gardening* was organized by the Department of Botany for students of T.Y.B.Sc.
- A ten-day certificate course in *Analytical Chemistry* was organized by the Department of Chemistry from 23rd March to 7th April 2007.
- The Department of Psychology organized a short course in *research methodology* for 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 a member Faculty of Science, Board of Studies in Botany and member of Syllabus Committees formed to frame the syllabus for Under-graduate and Post-graduate students. He is also a member of syllabus committee to frame the syllabus for core subjects and specialisations for M.Phil.
- Dr. Nandini Pai, Head, Department of Chemistry is a member Faculty of Science, Board of Studies in Chemistry and a member of the 32(5) Examination Committee of the University of Mumbai.
- Dr. Damodar Shanbhag from the Department of Chemistry is a Council Member of the Western Zone of the Indian Chemical Society, Kolkata from 2006-2008 and also a Council Member of the Western Zone of the Indian Association of Chemistry Teachers, Mumbai from 2006-2008.
- Ms. Jayshree Mehta, Head, Department of Mathematics is a member of Redressal Grievance Committee for T.Y.B.Sc. Examination held by University of Mumbai in the first half of 2007.
- Dr. Tushar Desai is a member of the Board of Studies in Physics and 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 member of syllabus revision committee for UG courses in Physics at University of Mumbai.

- Mr. Giridhar Raosaheb, Head, Department of Statistics is a member of Board of Studies in Statistics.
- Dr. Madhavi Indap, Head, Department of Zoology was appointed as subject expert in Zoology for selection of Teacher Fellowship under Faculty Improvement Programme at Aabasaheb Marathe Arts and New Commerce and Science College, Rajapur, Ratnagiri.
- Dr. Meenakshi Sundaresan is a member of the Syllabus Committee in Zoology at University of Mumbai.
- Dr. Prakash Salvi, Head, Department of Economics is the Chairman of the Board of Studies in Economics, Member, Academic Council; Member, Faculty of Arts and Science; Member, Board of University Teaching and Research for the Faculty of Arts and Science; and Member, Research and Recognition Committee for the Board of Studies in Economics.
- Mr. Avinash Kolhe, Department of Political Science was a member of the Selection Committee for Career Advancement Programme of Dr. T. K. Tope College, Parel.
- Dr. Nandini Diwan, Head, Department of Psychology from the Department of Psychology is a Member of the Academic Council, the Research and Recognition Committee, the BUTR, the Faculty of Arts and Science and the Department of Extra Mural Studies of the University of Mumbai. She is also the Chairperson of the Board of Studies in Psychology and was a subject expert on interview panels (Vice-chancellor's nominee) in V.E.S., Vaze and Sathaye colleges.
- Dr. Pradip Karnik, Librarian has been selected as a guide for M.Phil. and Ph.D. (Library and Information Science) at Yashwantrao Chavan Maharashtra Open University and Alagappa University.

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

- The departments of Zoology and Botany had organised a three-day national conference on *Marine Biology to Marine Biotechnology: Current Status, Challenges and Opportunities* in D.G. Ruparel College from 18th to 20th January 2008. The Department of Zoology had organised a pre-conference workshop on *Immunoassays for screening natural products for their immunomodulatory activity* in collaboration with Immunology Department of Advanced Centre for Treatment, Research and Education in Cancer (ACTREC) on 17th January 2008. The Department had also organized a visit to CIFE, Versova on 3rd Jan 2008. A long excursion to Tadoba Andhari Tiger Reserve, Chandrapur, Maharashtra was organized by the Department of

Zoology from 25th-30th January 2008. Students of the Department of Zoology visited the seashore of Harihareshwar and Srivardhan on 13th and 14th November 2007. They also visited Sanjay Gandhi National Park, Borivali on 21st August 2007.

- The Department of Chemistry uses 3D models, PowerPoint Presentations, OHP, quizzes, tests, seminars and discussions on the topics being taught.
- The Department of Chemistry had arranged industrial training for students of M.Sc. Part I and Part II. The students of M.Sc. also a talk on Importance of Research by Dr. Raghunath Mashelkar at Marathi Vidnyan Parishad.
- Mr. M.R. Londhe conducted a guidance session for students of the Department of Physics on *How to Excel in the T.Y.B.Sc. Examinations*.
- The Department of Statistics had organised an educational visit to Indian Institute of Tropical Meteorology and National Insurance Academy, Pune on 12th December 2007.
- The Department of Zoology uses OHP, PowerPoint, interdisciplinary referencing and conducts tests, seminars and discussions on topics related to the syllabus.
- The Department of Economics uses group discussions, diagrams, provides a list of references as well as study material to students. The students of S.Y.B.A. and T.Y.B.A. are encouraged to speak before the class for ten minutes on current topics once a week.
- The Departments of Economics and Philosophy had jointly organised a study tour from 9th to 11th December, 2007 to Silvassa for students of F.Y.B.A., S.Y.B.A. and T.Y.B.A.
- The Department of English uses worksheets, maps, charts, quizzes, word games, oral and PowerPoint presentations and group discussions to build students' confidence in using the language. The Department also conducts regular class tests for students of T.Y.B.A. English Literature to provide ongoing feedback about their performance. A question bank has been created to enable them to score in Paper VI (Grammar and the Art of Writing) at T.Y.B.A. The teachers give individual attention to weak students and conduct extra lectures for their benefit. A visit to Radio City was organised by the Department of English on 13th August 2007.
- The Department of Geography uses maps, atlases, oral and PowerPoint presentations, field trips to give students practical knowledge about the subject. The Departments of Geography and Marathi had jointly organised a nature trail in Sanjay Gandhi National Park, Borivali on 26th January 2008. The Department of Geography had also organised a visit to the observatory of the Indian Meteorological Department, Vile Parle on 8th February 2008.
- The Department of History uses diagrams, maps, graphs, charts, photographs, posters and OHP in order to help the students consolidate their knowledge of concepts. Field trips are organised and regular tests are conducted for students of T.Y.B.A. The Department of History had organised an educational tour to Chhatrapati Sangrahalaya (Prince of Wales

Museum) on 22nd August 2007, to guide the students about Museum Administration and Role of a Curator. A visit to Elephanta Caves was organised on 12th October 2008, where students studied the Rock-Cut Temple Architecture.

- The Department of Marathi uses audio-visual aids, conducts group discussions and organises field visits for the students. Personal guidance is provided to students for projects and assignments. Students of the Department of Marathi are encouraged to visit Mumbai Marathi Granthasangrahalay for reference work.
- The Department of Philosophy stimulates interest among students through discussions, debates and case studies.
- The Department of Psychology utilises OHP, PowerPoint, psychological exercises, group discussions, role play and skits. Students are encouraged to make presentations. Practice tests and assignments are used for training students in Statistics. Regular feedback is provided to students. Students of S.Y. / T.Y.B.A., Psychology visited the office and counseling centre of the Samaritans telephone helpline at Lalbaug.
- Students of Business Law participate in case-studies, moot-courts and group discussions.
- The Department of Commerce makes use of charts, newspapers and individual and group presentations in order to make the subject more interesting. A visit to Bombay Stock Exchange for students had been organised by the Department of Commerce on 31st January 2008. The Department had also arranged an educational tour to Kashmir from 12th November 2007 to 23rd November 2007.
- NSS Volunteers participated in an inter-collegiate workshop on *Rights and Responsibilities* at M.D. College, Parel.

4. Inter-disciplinary programmes:

- The Department of Chemistry and Science Association had jointly organized a talk on *Synthetic Nanotechnology* by Dr. Deepa Kushlani, Reader in Material Chemistry – TIFR.
- The Departments of Geography and Marathi had jointly organized a nature trail in Sanjay Gandhi National Park, Borivali on 26th January 2008.
- Ms. Vasundhara Govilkar from the department of Statistics performed a reading of the novel *Savitree* by P.S. Rege for the students of the Department of Marathi on 5th January 2008.
- Ms. Zulekha Peerbhoy, Mr. Ravindra Netawate, Ms. Anupama Yende, Head, Department of Philosophy, Ms. Gayatri Gadgil, Head, Department of English, Ms. Minouti Naik, Ms. Prathma Nemane and Ms. Vaidehi Dhamankar deliver lectures on various subjects to B.M.S. students of the college.

- Ms. Gayatri Gadgil, Head, Department of English and Ms. Minouti Naik from the Department of English acted as judges for the debate and group discussions organised under *Astutes* (the Computer Science and Information Technology festival).
- Ms. Vaishali Jawlekar, Head, Department of Marathi, Ms. Anupama Yende, Head, Department of Philosophy and Ms. Gayatri Gadgil, Head, Department of English acted as judges for the elocution competition organised by CASSO (Commerce Association) on 30th January 2008.

5. Examination reforms implemented:

No new reforms are introduced in this academic year. We are planning to carry out masking of answer books and introducing online test for certain subjects.

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

- Mr. Kshitij Chavan, Department of Chemistry passed the SLET on 24th April 2007.
- Ms. Shama Khale, Department of Psychology passed the NET in 2007.

7. Initiative towards faculty development programme:

The Teaching Staff regularly attends seminars and workshops either as resource persons or participants to share and update their knowledge:

Teachers as resource persons

Paper presentations:

- A research paper by Dr. Sudha Sawant entitled *Thermostability of Microorganisms* has been published by Asian Journal of Microbiology, Biotechnology and Environmental Sciences, Vol. 9, (No. 2): 2007: 303-307. Global Science publications.
- A research paper by Dr. Sudha Sawant entitled *Selenium accumulation in Cymopsis psoriliodes by inductively coupled Plasma Atomic Emission Spectrophotometer and its effect on chlorophyll content* has been accepted for publication by Asian Journal of Microbiology, Biotechnology and Environmental Sciences.
- A research paper by Dr. Sudha Sawant entitled *Feeding Spirulina to Mozambique Tilapia and Indian major carps* was presented at XXXth Botanical Conference of Indian Botanical Society in a national seminar on *Emerging Trends In Plant Sciences: Biodiversity, Biotechnology and Environmental Conservation* from 28th to 30th November 2007, Jiwaji University, Gwalior.
- A research paper by Dr. Sudha Sawant entitled *Effect of Growmore Biofertilizer and Suphala – a chemical fertilizer on the growth of Brassica juncea [(L.) Czern & Cross]* has been accepted for publication by Asian Journal of Microbiology, Biotechnology and Environmental Sciences.
- A research paper by Dr. R. J. Jadhav entitled *Phytotoxic influence of Deproteinised leaf extracts* has been accepted for publication by BIOINFOLET.
- A research paper by Dr. Nandini Pai, Head, Department of Chemistry on *Sulfonylureas as Dual Acting Agents - Synthesis and Biological Activity* has been published by Journal of the Chinese Chemical Society, 2007, 54, 771-777.

- A research paper by Dr. Nandini Pai, Head, Department of Chemistry on *Synthesis and antimicrobial screening of 5-arylidene-2-imino-4-thiazolidinones* has been published by Journal of the Chinese Chemical Society, 2007, 54, 771-777.
- A research paper by Dr. Nandini Pai, Head, Department of Chemistry on *Sulfonylureas as Dual Acting Agents - Synthesis and Biological Activity* has been published in ARKIVOC, 2007(XVI) 148-155.
- A research paper by Dr. Nandini Pai, Head, Department of Chemistry on *Synthesis and Biological Activity of N-substituted-3-chloro-2-azolidinones* has been published in Molecules, 2007, 12, 2467-2477.
- A research paper by Dr. Nandini Pai, Head, Department of Chemistry on *Synthesis of biologically active 2H-[1]-benzopyran-2-ones* has been accepted for publication by Indian Journal of Heterocyclic Chemistry.
- Dr. Damodar Shanbhag presented a paper at a National Conference on Medicinal Botany organized by Department of Botany, Patkar College on 7th and 8th September 2007.
- A paper by Dr. Damodar Shanbhag on *Application of HPTLC in the Standardization of a Homeopathic Mother Tincture of Nuxvomica* has been published by the American Journal of Homeopathic Medicine Virginia, Vol. 100, No.2, pg.s 94-100, Summer 2007.
- A paper by Dr. Damodar Shanbhag on *Application of HPTLC in the Standardization of a Homeopathic Mother Tincture Andrographis paniculata and its comparison with market products* has been published by Asian Journal of Chemistry, Vol.20, No.1, pg.s509-513,2008.
- A paper by Dr. Damodar Shanbhag on *Gas Chromatographic Method for Determination of Residual Solvents in Phenytoin Sodium* was published in Indian Drugs, 44(11), pg.s 852-856, November2007.
- A paper by Dr. Damodar Shanbhag on *RP-HPLC method Determination for Impurities of Phenytoin Sodi* was published in Indian Drugs, January 2008.
- A paper by Dr. Damodar Shanbhag on *Application of HPTLC in Standardization of Homeopathic Mother Tincture of Withania somnifera and its comparison with products in market* has been accepted for publication in Pharmacognosy Magazine, Bangalore.
- A paper by Mr. Subodh Sapre, Head, Department of Physics, Ms. Vidya Patil and Dr. Mugdha Patki on *Study of dielectric constant of Exogenous Dopamine* has been published.
- A paper by Ms. Babita Balakrishnan and Dr.Madhavi Indap, Head, Department of Zoology, *Evaluation of Leucas aspera extracts for immunomodulatory activity* was published in Advances in Pharmacology and Toxicology, 2007, 1-4.

- A paper by R. A. Pandit, S. Pathare and Dr.Madhavi Indap, Head, Department of Zoology, *Antispermatogetic activity of Starfish extract in mice* was published in *Advances in Pharmacology and Toxicology*, 2007, 8(2), 1-6.
- A paper by R. A. Pandit and Dr. Madhavi Indap, Head, Department of Zoology *Defining the role of angiogenesis in human health and diseases: A Review* was published in *International Journal of Pharmacology and Biological Sciences*, 2007, 1(2), 39-48.
- A paper by S. R. Parab, R. A. Pandit, A. N. Kadam and Dr.Madhavi Indap, Head, Department of Zoology, *Effect of Bombay high crude oil on phytoplankton biomass* was published in *Pollution Research*, 2007, 26 (2), 85-88.
- A paper by S. R. Parab, R. A. Pandit, A. N. Kadam and Dr. Madhavi Indap, Head, Department of Zoology on the *Effect of Bombay high crude oil and its fractions on growth and primary productivity of the phytoplankton* has been accepted for publication by *Pollution Research*, 2008, 27 (1).
- A paper by S. R. Parab, R. A. Pandit, A. N. Kadam and Dr.Madhavi Indap, Head, Department of Zoology, *Effect of water-soluble fraction of crude oil on growth and metabolism of Thalassiosira sp.* has been accepted for publication by *Indian Journal of Marine Science*.
- A paper by S. R. Parab and Dr.Madhavi Indap, Head, Department of Zoology *Evaluation of antioxidant and anticlastogenic properties of sponge Tethya lyncurium Linn* has been accepted for publication by *Indian Drugs*.
- A paper by Ms. Babita Balakrishnan and Madhavi Indap *Immunomodulatory and antimitotic activity of Loligo duvauceli D'Orbigny* has been accepted for publication by *Indian Drugs*.
- A paper by R. A. Pandit and Dr.Madhavi Indap, Head, Department of Zoology *Evaluation of antiangiogenic activity through tubulin interaction of chloroform fraction of the feather star, Lamprometra palmata palmata* has been accepted for publication by *Indian Journal of Marine Science*.
- A paper by A. S. Akerkar, C. A. Ponkshe and Dr.Madhavi Indap, Head, Department of Zoology, *Evaluation of immunomodulatory activtiy of extracts from marine animals* has been accepted for publication by *Indian Journal of Marine Science*.
- Dr. Rajan Rele was a resource person for a one day workshop at T.Y.B.Sc. Level at Karjat College.
- Ms. Vidya Patil has received post graduate recognition for M. Sc. Physics (by papers) with effect from 10th September 2007.
- Mr. Ganesh Madkaikar completed a course in *Basic Astronomy and Astrophysics* conducted by the University of Mumbai at the Nehru Science Centre.

- Dr. Prakash Salvi, Head, Department of Economics was a resource person for a one-day workshop on revised syllabus for the F.Y.B. Sc. /B.A. and S.Y. B. A. at Here-Dhere College, Guhagar.
- Dr. Prakash Salvi, Head, Department of Economics was a resource person for a one-day workshop on revised syllabus for the F.Y.B. Sc. /B.A. and S.Y. B. A. at S. K. Somaiya College, Mumbai on 17th January 2008.
- Dr. Prakash Salvi, Head, Department of Economics was a resource person for a one-day workshop on revised syllabus for the F.Y.B. Sc. /B.A. and S.Y. B. A. at Babasaheb Khardekar College, Sindhudurg on 9th February 2008.
- Ms. Vaishali Jawlekar, Head, Department of Marathi was a faculty member for the U.P.S.C. course organised by Babasaheb Gavde Management Institute from April 2007 to December 2007.
- Ms. Vaishali Jawlekar, Head, Department of Marathi and Ms. Anagha Mandavkar were resource persons for a workshop on *Madhyamvargiya Taruninchi Nirnaykshamata* held on 20th October 2007 organised by PUKAR.
- Ms. Vaishali Jawlekar, Head, Department of Marathi delivered a lecture on *Preparation for Examinations* for students of T.Y.B.A. of Acharya Marathe College, Chembur on 4th January 2008.
- Dr. Rekha Gore presented a paper on *Transport System of the Bombay Konkan in the 18th and 19th Century* at a U.G.C. sponsored seminar organized by L.J.N.J College Vile Parle on 9th and 10th April 2007.
- Dr. Rekha Gore presented a paper on *Analysis of Farmer Suicides in Maharashtra and Globalization* at a national seminar at Purushottam Lalji Shroff College, Dahanu on 14th and 15th December 2007.
- Dr. Rekha Gore presented a paper on *Locational Factors and Contribution of Iron-ore in Steel Industry* at an international seminar organized by Indian History Congress from 28th to 30th December 2007.
- Dr. Rekha Gore attended a two-day workshop on *The Importance of Medical History* at S.I.E.S. College on 16th and 17th November 2007.
- Mr. Avinash Kolhe, Head, Department of Political Science presented a paper on *Political Empowerment of Women in India- a Historical Perspective*, at a two day U.G.C. funded State level seminar on *Women Empowerment: Myths and Reality* organized by S.N.D.T. on 11th and 12th April 2008.
- Mr. Avinash Kolhe, Head, Department of Political Science delivered lectures on *Political Theory and Ideology and Politics* to students of M.A. (Political Science) S.N.D.T. University.

- Mr. Avinash Kolhe, Head, Department of Political Science trained employees of Reserve Bank of India on *Political Problems* for their internal promotion exams.
- Mr. Avinash Kolhe, Head, Department of Political Science chaired a session in a one-day workshop on organizing college festivals at Rambhau Mhalgi Prabodhini at Uttan.
- Dr.Nandini Diwan, Head, Department of Psychology gave guidance on *Preparing for T.Y.B.A. final exam* in L.S. Raheja College on 18th February 2008.
- Dr.Nandini Diwan, Head, Department of Psychology gave a talk on *Physical and Mental Health* in Saraswati Mandir School on 8th March 2008.
- Dr.Nandini Diwan, Head, Department of Psychology was a Judge (Vice-chancellor's nominee) to identify the best research projects in the category Humanities, Languages and Fine Arts in Avishkar 2007-08, the inter-collegiate research festival in November 2007.
- Ms. Neeta Tatke was a resource person in Psychology for the B.M.M. course conducted by Ruia College.
- Ms. Neeta Tatke was a resource person in Cognitive Psychology for the M.A. Part I course conducted by SNDT University.
- Ms. Neeta Tatke was invited as resource person for the Refresher Course organised by Kendriya Vidyalaya Sanghatan for Physical Education Teachers from 23rd December 2007 to 2nd January 2008 in Mumbai.
- Mr. Ravindra Netawate is a faculty member for Y.C.M.O.U. at the post-graduate level.

Poster Presentations

- Dr. Vikas Golatkar, Head, Department of Botany and Ms. Revati Jadhav presented a poster entitled *Field evaluation of AM fungi as Biofertilizer in spinach* beet in a national conference on Fungal Diversity: Impact and exploitation organized by Thapar University, Patiala on 5th and 6th October 2007. The research received a consolation prize.

Teachers as participants:

- Dr. Vikas Golatkar, Head, Department of Botany, Dr. Mangala Heble, Dr. Sudha Sawant, Ms. Sabita Swain, Ms. Neha Sawant and Dr. R.K. Jadhav participated in a two-day national workshop on *Fungi from Diverse Habitats* organised by the Department of Botany in association with Mycological Society of India, Mumbai Unit in D.G. Ruparel College on 8th and 9th December 2007. Dr. Vikas Golatkar, Head, Department of Botany was the Convener of this workshop and Dr. Mangala Heble was the Co-Convener. Dr. Sudha Sawant was the Treasurer of the workshop and a member of the Registration Committee.
- Dr. Vikas Golatkar, Head, Department of Botany, Dr. Mangala Heble, Dr. Sudha Sawant, Ms. Sabita Swain, Ms. Neha Sawant, Dr. R.K. Jadhav, Dr. Nandini Pai, Head, Department of Chemistry, Dr. Damodar Shanbhag, Ms. Maneesha Dabir, Dr. Meenakshi Sundaresan,

Ms. Monica Chavan and Mr. Nitin Wasnik participated in a three-day national conference on *Marine Biology to Marine Biotechnology: Current Status, Challenges and Opportunities* organised by the departments of Zoology and Botany in D.G. Ruparel College from 18th to 20th January 2008. Dr. Madhavi Indap, Head, Department of Zoology was the Convener, Dr. Vikas Golatkar, Head, Department of Botany was the Co-Convener and Dr. Sudha Sawant was the Treasurer and a member of the Organising Committee for this workshop.

- Dr. Nandini Pai, Head, Department of Chemistry attended the 20th Research Scholar Meet organised by Indian Chemical Society at V. G. Vaze College on 22nd and 23rd February 2008.
- Dr. Nandini Pai, Head, Department of Chemistry attended a special lecture in *Organic Synthesis* by Dr. Krishna Kaliappan organised by RSC West India Section at S.I.E.S College.
- Dr. Damodar Shanbhag attended the Seventh National Convention of Chemistry Teachers and National Conference on *Chemistry Vision 2020*, organized by Indian Association of Chemistry Teachers and Hislop College, Nagpur, from 27-28 October 2007.
- Dr. Damodar Shanbhag attended the 44th Annual Convention of Chemists hosted by the Mahatma Gandhi Institute of Applied Sciences, Jaipur, organized by the Indian Chemical Society, Kolkata, from 23rd to 27th, December 2007.
- Dr. Damodar Shanbhag participated in a National Conference on *Green Chemistry and its Perspective*, organized by the Department of Chemistry, Sant Gadge Baba Amravati University, Amravati, from 11-12th February 2008.
- Mr. Krishnakant Waghmode attended a two day course on *Laboratory Safety* organized by U.I.C.T.
- Dr. Ganesh Pathre attended a four day *SET* workshop at Shrirampur, Ahmednagar.
- Ms. Jayshree Mehta, Head, Department of Mathematics attended a half-day workshop on new topics in the F.Y.B. Sc. /B.A. syllabi organised by B.O.S. in Mathematics and Bombay Mathematical Colloquium.
- Ms. Jayshree Mehta, Head, Department of Mathematics and Mr. Vithal Shinde attended a one-day workshop on revised syllabus for Mathematical and Statistical Techniques (F.Y. B. Com.) organised by BMC and Ruia College.
- Mr. Vithal Shinde attended a one-day workshop on new topics in the F.Y.B. Sc. /B.A. syllabi organised by University of Mumbai and Kirti College.
- Ms. Vidya Patil and Dr. Mugdha Patki attended a two-day national conference on *Physics of semiconductor devices and smart materials* organized by K. B. P. College Vashi on 22nd and 23rd December 2007.

- Ms. Vidya Patil and Dr. Mugdha Patki participated in a one-day workshop on *M.Sc. II (E – 1) lab experiments* organized by G. N. Khalsa College, Mumbai.
- Ms. Vidya Patil and Dr. Mugdha Patki participated at a one day workshop on *VLSI course* organized by W.R.I.C. Mumbai.
- Mr. Giridhar Raosaheb, Head, Department of Statistics, Ms. Sulabha Raosaheb, Ms. Vasundhara Govilkar, Ms. Vijaya Gokhale, Ms. Vrinda Kanitkar, and Ms. Aarti Daptardar attended a one-day workshop on new topics in the F.Y.B. Sc. /B.A. and S.Y. B. A. syllabi organised by Board of Studies in Statistics and D. G. Ruparel College on 22nd January 2008. Mr. Giridhar Raosaheb, Head, Department of Statistics was the Convener of this workshop.
- Ms. Vasundhara Govilkar, Ms. Vijaya Gokhale, Ms. Vrinda Kanitkar and Ms. Aarti Daptardar attended a one-day workshop on revised syllabus for Mathematical and Statistical Techniques at Kirti College on 30th January 2008.
- Ms. Vasundhara Govilkar completed a refresher course in *Applications of Computers in Statistics* organised by Indian Statistical Institute, Kolkata from 10th to 31st March 2008.
- Dr. Meenakshi Sundaresan attended a one day workshop on *Animal Physiology* at Ruia College.
- Ms. Monica Chavan attended a two day seminar on *Frontiers in Biosciences* at Sophia College on 23rd and 24th November 2007.
- Dr. Prakash Salvi, Head, Department of Economics, Ms. Varsha Utpat and Ms. Anita Hamand attended a one day workshop on revised syllabus for the F.Y.B. Sc. /B.A. and S.Y. B. A. in D. G. Ruparel College on 28th November 2007. Dr. Prakash Salvi, Head, Department of Economics was the Co-ordinator of this workshop.
- Ms. Varsha Utpat and Ms. Anita Hamand attended a one-day workshop to revise the syllabus of F.Y., S.Y., and T. Y. B.Com at Hinduja College.
- Ms. Anita Hamand attended a one-day workshop to revise the syllabus of T.Y. B.Com at Mithibai College.
- Ms. Gayatri Gadgil, Head, Department of English and Ms. Minouti Naik attended a one-day workshop cum orientation on revised syllabi of F.Y., S.Y.B.A. English Literature organized by the Board of Studies in English and R. Jhunjhunwala College on 11th September 2007.
- Ms. Gayatri Gadgil, Head, Department of English attended a one-day seminar on *Varied Communication Skills* at K. B. Hinduja College on 25th January 2008.
- Ms. Gayatri Gadgil, Head, Department of English attended a two day U.G.C. funded State level seminar on *Women Empowerment: Myths and Reality* organized by S.N.D.T. on 11th and 12th April 2008.

- Ms. Deepali Bhide, Department of Geography attended an international conference on *Globalization, Technology & Economic Transformation* organized by The Deccan Geographical Society from 7th – 9th March 2008 at Department of Regional Planning & Economic Growth, Barkatullah University Bhopal.
- Ms. Deepali Bhide, Department of Geography attended a three day workshop on *Geoinformatics-Concept and Applications* from 27th – 29th March 2008 organized by Department of Geography, University of Mumbai.
- Ms. Vaishali Jawlekar, Head, Department of Marathi and Ms. Anagha Mandavkar attended a seminar on *Sahityavedh* organized by University of Mumbai on 6th February 2008.
- Ms. Vaishali Jawlekar, Head, Department of Marathi attended a workshop on *Research Methodology* organised by PUKAR on 9th January 2008.
- Ms. Anagha Mandavkar attended a seminar on *1980 nantarche Streenirmeet Kathatma Sahitya* organized by University of Mumbai on 15th February 2008.
- Dr. Rekha Gore attended an international seminar on *The Importance of Medical History* organized by S.I.E.S. College on 16th and 17th November 2007.
- Mr. A.M. Ganveer, Head, Department of History attended a one day seminar on *Research and Teaching of History* organized by Bombay History Teachers Academy.
- Ms. Anupama Yende, Head, Department of Philosophy attended a one day workshop on Revised Syllabus for F.Y. /S.Y. /T.Y.B.A. Philosophy at Somaiya College Vidyavihar on 3rd July 2007.
- Ms. Anupama Yende, Head, Department of Philosophy attended a two day national seminar on *Indian Philosophy-Its Relevance in the 21st Century* at Joshi-Bedekar College Thane on 18th and 19th January 2008.
- Mr. Avinash Kolhe, Department of Political Science attended a discussion on Threat Perception with Prof. Zaki Slalom, the Institute for National Security Studies.
- Dr. Nandini Diwan, Head, Department of Psychology attended a one- day seminar on *C.G. Jung, Dreams and Symbols of the Unconscious* at NCPA on 6th October 2007.
- Mr. Ravindra Netawate attended a one day workshop on Accountancy for F.Y.B.Com. at Hinduja College on 17th August 2007.
- Mr. Ravindra Netawate attended a two day U.G.C. sponsored State-level seminar on *Commerce Education-The Road Ahead*, at Sathaye College on 15th and 16th February 2008.

8. Total number of seminars/workshops conducted:

The College has numerous Associations, which are usually related to the subjects offered by the College. These Associations conduct seminars, workshops and other activities on a regular basis to encourage students and expose them to organisational skills and build in them confidence and leadership qualities:

During this academic year, the College had organised a two-day national workshop as well as a three-day national conference. The deliberations during the workshop and the conference as well as the interaction with scholars from all over the country have definitely benefited the faculty as well as the students.

- The Department of Botany in association with Mycological Society of India, Mumbai Unit organised a two-day national workshop on *Fungi from Diverse Habitats* in D.G. Ruparel College on 8th and 9th December 2007.
- The Departments of Zoology and Botany organised a three-day national conference on *Marine Biology to Marine Biotechnology: Current Status, Challenges and Opportunities* in D.G. Ruparel College from 18th to 20th January 2008.

Activities of the Associations:

- **CHEMARC:**

- i. A five-day workshop for preparation for IIT-Jam Examination.
- ii. A lecture by Psychotherapist Ms. Chitra Munshi on *How to overcome anxiety*.
- iii. A lecture by Dr. Prabodh Chobe General Manager - BASF India Ltd. on *Career Guidance*.
- iv. Professor Evans Coutinho, Bombay College of Pharmacy delivered a lecture on *Drugs Discovery Design and Development*.
- v. Mr. Mihir Date delivered a talk on *How to apply for M.S. and Ph.D. programmes in U.S.A.*

- **Science Association:**

- i. A talk was given by Dr. S.S. Prabhu, Tata Institute of Fundamental Research, Mumbai on *Present and Upcoming Research Careers*.
- ii. Dr. Vandana Nanal, Tata Institute of Fundamental Research, Mumbai gave a talk on *Nuclear Science*.
- iii. The college hosted a one-day seminar on *New Striking Notes in Physics (Physics behind New Materials)* organized by the Indian Physics Association (IPA). Mr. Subodh Sapre, Head, Department of Physics was the convener for this seminar.
- iv. The members of Science Association went for a sky observation programme at Wangani.

- **Department of Zoology:**

- i. A talk by Dr. Karunasagar, National professor, Karnataka Veterinary & Fishery Science University, College of Fisheries, Mangalore on Sea food and Safety-Biotechnological application.
- ii. A talk by Dr. Ramprakash, Editor-in-Chief, Advances in Pharmacology and Toxicology on *Research and funding schemes from U.G.C.*
- iii. A lecture on *Bioinformatics* by Rishi Biotech.
- iv. A lecture on *Lab Safety* by Dr. Madhavi Indap, Head, Department of Zoology under the banner of Bioneer's Club.
- v. A visit to Sanjay Gandhi National Park, Borivali, Mumbai.
- vi. A visit to the sea-shore of Harihareshwar and Srivardhan.
- vii. An institute visit to CIFE, Versova.
- viii. A long excursion to Tadoba Andhari Tiger Reserve, Chandrapur, Maharashtra.
- ix. A lecture by Dr. Madhavi Indap, Head, Department of Zoology on *Biofilm- a new concept and case study* in Journal club meetings for research students.
- x. Screening of films *Wonders of butterfly world* and *Marine nature park of Israel*.
- xi. A Photography Exhibition titled *Journey through Excursions* wherein the photographs taken by the students and staff members during the excursions were displayed.

- **Book Review Club:**

- i. A talk on the Art and Science of Book review.
- ii. Various books like Story of Vande Mataram and Mumbai Dabbawala were reviewed by students.

- **ECONOMICA:**

- i. A speech on *Derivatives markets in India* by Dr. Madhav Datar, General Manager, Credit and Risk Department, IDBI.

- **Open Forum:**

1. A study tour to the American Centre Library, Churchgate. A documentary on the Life and Times of Ms. Rosa Park was screened.
2. The documentaries *SEZ* and *Shwet Angaar* were screened followed by a discussion with Mr. Nandu Madhav.

3. Study tours to the Indian Institute of Population Studies and the Tata Institute of Social Sciences were organised.

- **RUPELA:**

1. In conjunction with the Marathi Association, RUPELA had organized a talk on translation skills by senior translator Dr. Hemant Vinze.

2. Students of the department participated and won prizes in various intercollegiate competitions.

- **GENESIS:**

1. A presentation and lecture on *Antarctica* by Mr. Ajay Dhar - a senior scientist and researcher, India Institute of Geomagnetism, New Panvel.

2. Ms. Nrupura Bhagwat from Parisar Vikas, Mumbai made a presentation on *Solid Waste Management*.

- **MARATHI VANGMAY MANDAL:**

1. A talk on theatre by Prof. Waman Kendre, Co-ordinator, Theatre Department, University of Mumbai.

2. Screening of a documentary *Tendulkar ani Himsa* followed by a dialogue with the Director, Atul Pethe.

3. Students of the department participated in Prof. V. R. Joag Smriti Vachak Spardha, Geeta Elocution Competition, Marathi Poetry Competition and Creative Writing Competition.

- The Department of Philosophy had organised a two-day workshop on *Personality Development through Yoga* on 14th and 16th August 2007.

- **MAANAS:**

1. A talk on *Psychology of Happiness* was delivered by Dr. Anagha Barve, Practicing Counselor and Psychotherapist, Washington DC.

2. Various alumni of the department shared their experiences related to the process of admission to universities in USA, studying abroad, teaching and counseling.

3. On Raksha Bandhan, students of the department sent 80 *rakhees* to the soldiers of the Indian army with messages of regard and appreciation.

4. Dr. Milind Joshi a Consultant Psychiatrist made a presentation on *Stress Management* and shared his views and experiences.

5. Students of the department presented five skits on different techniques of counseling.

6. Ms. Mala Gaonkar, Consultant Clinical Psychologist at Prashanti Mental Health Centre, Sirsi, Karnataka, presented a slide show and gave a talk on *Mental Health*.
 7. Students of the department viewed the film *Ek Ruka Huaa Faisala* and discussed it from various psychological perspectives.
 8. A Workshop on *Laughter Therapy* was organized which included a talk by Mr. Naresh Shah, founder member of the Hindu Colony Laughter Club at Dadar, sharing of personal experiences by the members of the Laughter club, a Film on 'Laughter clubs in India', and demonstrations of Laughter Therapy and Yoga.
 9. Ms. Sushama Sathe, a former teacher from the department shared her interesting experiences and challenges as a practising psychologist in Australia.
 10. Ms. Aruna Kurvey, Head,, Department of Psychology, Raheja College, gave a lecture on *Industrial-Organizational Psychology*.
 11. Ms. Asmita Kulkarni, Ms. Sucheta Natekar and Ms. Rucha Deshmukh conducted an informative programme on *Sexual Awareness among Adolescents*.
 12. Dr. Anagha Barve conducted workshops on *Managing Anxiety* and *Managing Negative Emotions*.
- **POLIS:**
 1. A talk on *Politics of Maharashtra* by Mr. Bharat Kumar Raut.
 2. A speech on *Communal Harmony* by Mr. Suresh Khopade, Additional Commissioner of Police, Mumbai.
 3. A discussion and presentation on the problems of Tibet with the members of Friends of Tibet.
 4. International Human Rights Day was celebrated with a discussion on *Human Rights* with Mr. Yogesh Kamdar, People Union for Civil Liberties.
 - **CASSO:**
 1. Prof. Nitin Kulkarni spoke on *Accounting Standards*.
 2. Mr. Niranjana Amte, Sales Manager, Fongya Enterprises, Thailand delivered a talk on *Marketing Perspectives and Industry Orientation*.
 3. Prof. Suchita Shahapurkar, Sathaye College gave guidance on Management and Production Planning to prepare the students for the University examination.
 4. An Elocution Competition was organized for the students.

- **CHITRAVEDH:**

Chiturvedh, a film association was revived at the hands of Mr. Kiran Shantaram in order to encourage students to view global films analytically, to understand the technical aspects of film-making and at a broader level, to sensitise them about various issues through discussions on the films. Film critics Mr. Ashok Rane conducted a session on film appreciation. The following films were screened during the year:

1. Roman Holiday
2. The Godfather
3. Odessa File
4. One Flew over the Cuckoo's Nest
5. Guns of Navarone
6. The day of the Jackal
7. For a few dollars more
8. The Sound of Music

9. Research projects

a) Newly implemented:

- **Department of Botany:**

1. Dr. R. K. Jadhav applied for a minor research project on Effect of aquatic leaf deproteinised juice on plants. The project was sanctioned by the University of Mumbai vide letter dated 19th Nov. 2007 and is implemented.
2. Ms. Sabita Swain applied for a minor research project on the beneficial role of *Aspergillus* and *Penicillium* species on the growth pattern of *Capsicum annum* and *Phaseolus vulgaris*. The project was sanctioned by the University of Mumbai vide letter dated 19th Nov. 2007 and is implemented.

- Department of Physics:

1. Mr. Dilip Maske has undertaken a minor research project on *Growth characteristics and applications of CDs Thin films*.
2. Mr. Ganesh S. Madkaikar has undertaken a minor research project on *Properties of the theta plus pentaquark*.

- Department of Zoology:

1. Dr. Madhavi Indap, Head, Department of Zoology has undertaken a U.G.C. funded major research project on *Modulatory effect of extracts of different marine organisms on drug induced clastogenecity*.
2. Dr. Madhavi Indap, Head, Department of Zoology along with Dr. S. Chiplunkar Head, Department of Immunology, ACTREC Navi Mumbai, has submitted a project to the

Department of Biotechnology (DBT) on *Characterisation of Bioactive Compounds from Marine Mollusc and Porifera that regulate Osteoclastogenesis*.

Completed:

- Ms. Vaishali Jawlekar, Head, Department of Marathi completed a project on *Friendship beyond Gender: Experience and Attitude of College Students* under the PUKAR youth fellowship.
- Dr. Madhavi Indap, Head, Department of Zoology has completed a project funded by Rameshwardasji Birla Smarak Kosh on *Immunomodulatory and antioxidant activities of extracts from marine organisms*.

10. Patents generated, if any:

- Dr. Madhavi Indap, Head, Department of Zoology, A.M Lali, A. Annamma, Reena Pandit renewed a patent for *one step flow through adsorptive purification of tubulin from tissue homogenate*. Filed in India dated 03.05.2004, ref. No. 222 / DEL / 2000 (funding agency DST).

11. New collaborative research programmes:

- Dr. Madhavi Indap, Head, Department of Zoology is currently working on *Studies on anticancer activity of indigenous medicinal plants* with Dr. Sadhana Sathaye, Department of Pharmacy, University Institute of Chemical Technology (UICET), Mumbai.

12. Research grants received from various agencies:

- **Department of Zoology:**
 - Dr. Madhavi Indap, Head, Department of Zoology has received the first installment of Rs. 4, 48,600.00 of a grant for a major research project on *Modulatory effect of extracts of different marine organisms on drug induced clastogenecity*.
 - Dr. Madhavi Indap, Head, Department of Zoology has received a grant of Rs 61000 from Rameshwardasji Birla Smarak Kosh for a project on *Immunomodulatory and antioxidant activities of extracts from marine organisms*.
 - Dr. Madhavi Indap, Head, Department of Zoology has applied for grant of Rs 30,20,400 from the Department of Biotechnology (DBT) for a project on *Characterisation of Bioactive Compounds from Marine Mollusc and Porifera that regulate Osteoclastogenesis*.
 - Dr. Madhavi Indap, Head, Department of Zoology as a co-investigator with Dr. Sadhana Sathaye, Department of Pharmacy, University Institute of Chemical Technology (UICET), Mumbai has applied for grant of Rs. 67.344 lakhs from the Department of Biotechnology (DBT) for a project on *Studies on anticancer activity of indigenous medicinal plants*.
- **Department of Psychology:**
 - Dr. Nandini Diwan, Head, Department of Psychology received a research grant of Rs. 25,000 from the University of Mumbai for a minor research project on *Age and Gender differences in the Attitude toward the Role and Identity of Women*.
- **Department of Marathi:**
 - Ms. Vaishali Jawlekar, Head, Department of Marathi received a fellowship of Rs. 60,000 under the PUKAR youth fellowship programme for a project on *Friendship beyond Gender: Experience and Attitude of College Students*.

13. Details of research scholars:

Teachers as research scholars:

- Mr. Krishnakant Waghmode from the Department of Chemistry has registered for Ph.D. with the University of Mumbai.
- Mr. Kshitij Chavan from the Department of Chemistry has registered for Ph.D. with the University of Mumbai.
- Mr. Dilip Maske from the Department of Physics has registered for Ph.D. with the University of Mumbai.
- Ms. Aarti Daptardar from the Department of Statistics has registered for M.Phil with Annamalai University.
- Ms. Anagha Mandavkar from Department of Marathi has registered for Ph.D. with the University of Mumbai.

Teachers as guides:

- Department of Botany
 - Dr. Vikas Golatkar, Head, Department of Botany
Five students for Ph.D
 1. Mr. Deepak Sohoni
 2. Ms. Manjiri Bhawe
 3. Ms. Neeraja Ambiyee
 4. Ms. Komal Palande
 5. Ms. Revati Bagool-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, Head, Department of Chemistry
Two students for M.Sc.
 1. Mr. Sanket Chaudhari
 2. Mr. Deeptaunshu Pusalkar
Eight students for Ph.D
 - Mr. Kailaskumar Borate
 - Mr. Ameya Chavan
 - Mr. Deepnandan Dubhashi
 - Mr. Parag Kulkarni
 - Mr. Amrisha Samel
 - Mr. Krishnakant Waghmode
 - Mr. Sandesh Vishwasrao
 - Mr. Anil Mahajan
 - Dr. Damodar Shanbag
Three students for M.Sc
 - Mr. Amit Khumdagale
 - Ms. Sunita Jayraman

- Mr. Umakant Mahale
- Department of Zoology
 - Dr. Madhavi Indap, Head, Department of Zoology
Five students for Ph.D
 - Mr. Aditya Akerkar.
 - Ms. Sushama Parab.
 - Ms. Babita Balakrishnan.
 - Ms. Monica Chavan.
 - Ms. Rupa Phatak.
- Department of Economics
 - Dr. Prakash Salvi, Head, Department of Economics
One student for M.Phil
 - Mr. Vijay Khandare
Two students for Ph.D
 - Ms. Mona Bhalla
 - Mr. Sameer Anvekar
 - Dr. Pradip Karnik, Librarian
Nine students for M.Phil.
 - Mr. Rayappa Mashale
 - Ms. Shruti Oak
 - Ms. Vedika Khatu
 - Mr. Madhukar Patil
 - Mr. Yashwant Mane
 - Mr. Ramakant Sawant
 - Mr. Ravindra Adaw
 - Mr. P.G. Pawar
 - Mr. Sachin Garate

One student for Ph.D.

 - Ms. Pradnya Bhosekar.

1. Citation index of faculty members and impact factor:

- Papers by Dr. Madhavi Indap entitled *Effect of water-soluble fraction of crude oil on growth and metabolism of Thalassiosira sp., Evaluation of antiangiogenic activity through tubulin interaction of chloroform fraction of the feather star, Lamprometra palmata palmata, Evaluation of immunomodulatory activity of extracts from marine animals* have been accepted in The Indian Journal of Marine Sciences having impact factor 0.037.
- The following papers by Dr. Madhavi Indap are available on National Center for Biotechnology Information (NCBI), Entrez, Pubmed database
 1. *Antiangiogenic, antimicrobial, and cytotoxic potential of sponge-associated bacteria*. Mar Biotechnol (NY). 2005 May-Jun;7(3):245-52. Epub 2005 Mar 24. PMID: 15776311 [PubMed - indexed for MEDLINE]

2. *One step flow-through adsorptive purification of tubulin from tissue homogenate.* J Chromatogr B Analyt Technol Biomed Life Sci. 2005 Apr 15;818(1):83-7. PMID: 15722048 [PubMed - indexed for MEDLINE]
3. *Fatty acids derived from a marine crustacean Diogenes avarus (Heller) and their antiangiogenic activity.* Indian J Exp Biol. 2003 Jun;41(6):632-5. PMID: 15266912 [PubMed - indexed for MEDLINE]
4. *Influence of antiangiogenic fraction from Diogenes avarus (Heller) on fertility and implantation in mice.* Indian J Exp Biol. 2004 Jun;42(6):581-8. PMID: 15260109 [PubMed - indexed for MEDLINE]
5. *Matrix-mediated canal formation in primmorphs from the sponge Suberites domuncula involves the ex-expression of a CD36 receptor-ligand system.* J Cell Sci. 2004 May 15; 117(Pt 12):2579-90. PMID: 15159453 [PubMed - indexed for MEDLINE]
6. *In vivo and in vitro evaluation for immunomodulatory activity of three marine animal extracts with reference to phagocytosis.* Indian J Exp Biol. 2002 Dec;40(12):1399-402. PMID: 12974404 [PubMed - indexed for MEDLINE] Items 1 - 6

15. Honors/Awards to the faculty:

- Ms. Neeta Tatke was felicitated as an expert in Sport by the Department of Sport and Youth Affairs, Maharashtra State on the occasion of Women's Day on 15th March 2008 at Bombay Hockey Association, Mumbai.
- Dr. Pradip Karnik, Librarian received the *Grantha Mitra Puraskar* for the year 2008 from Rajmata Rani Parvatibaisaheb Birth Centenary Committee.

16. Internal resources generated:

Department of Chemistry:

- Alumni Dr. P. V. Kolambekar and Mr. Sanket Choudhary gifted a sound system with a cordless and collar mike worth Rs.22, 000. Ms. Trupti Shirke donated Rs. 5,000 to the department.
- Alumni Mr. Nikhil Patil and Mr. Amode Darne presented a steel cupboard for the departmental library.
- Dr. Padmakar Wagh donated Rs. 25,000 to the department.
- Mr. Sandesh Vishwasrao donated an LCD Projector to the department.
- R. N. Awasthi (Retd. Assistant Commissioner of Police) donated Rs. 15,000 for purchase of Books towards research work of Dr. Madhavi Indap, Head, Department of Zoology.
- A training program on Tissue culture conducted by the Department of Zoology has generated Rs. 50,000.
- Dr. Sujala Pathare (Manger-Clinical Research Scientist, Manipal AcuNova Ltd), Sushil Sule (General Manager, Marketing, Solvay pharma.), Dr. Chetan Ponshe (Reader, Sathaye College) gave financial support to the Department of Zoology for organizing the Conference on *Marine biology to Marine Biotechnology Current status, challenges and opportunities*, from 18th -20th January 2008.

Library:

- Fine: Rs. 38605.00 upto 5th March 2008.
- Book Bank: Rs. 33672.00

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

- The Department of English continues to conduct a course in Functional English under the Vocational Courses Scheme.

18. Community services:

Our college is the first college in Mumbai to have introduced a rain-water harvesting project. The college campus covers an area of ten acres and about 60,000 litres of water is utilised daily. The rain-water harvesting project has been set up with assistance from MOB and Coca-Cola. Three ring wells have been sunk in the college campus. They have the capacity to harvest 1, 42,000 litres of water per day during the monsoon. The total volume of water harvested during the entire season will be 1, 27, 80,000 litres. Also, 90 per cent of the water being utilised daily will be re-cycled. After the implementation of the rain-water harvesting scheme, the daily water available for secondary use will be 70,000 litres which is more than the daily requirement of our college.

This project, apart from reducing our expenses on water, will conserve the environment and will also benefit residents of the nearby areas. This environmental endeavour will set an example for other institutions and will also sensitize the students about conservation of water.

- Volunteers of an NGO - Save Sparrow Campaign made a presentation and installed a shelter for sparrow breeding in the college.
- Dr. Vikas Golatkar, Head, Department of Botany gives guidance to the students of Anjuman –Islam School, Bandra to improve their performance in the H.S.C. examination. He was a resource person for the Summer Training programme for the students, organized by Ayurvedic Research Centre of K.E.M. Hospital, and delivered a lecture on *Scope of Research in Botany*.
- Microbial cultures and plants incorporated in the syllabus of U.G. students are provided free of cost to the colleges in need by the Department of Botany.
- Dr. Mugdha Patki gave guidance to the T. Y. B. Sc. Physics students of Vikas College of Arts, Science and Commerce.
- Mr. Dilip Maske made a PowerPoint presentation on *Applications of micro processors and micro controllers* at Patkar College Mumbai. He gave lectures on *Chaos* at Shet J. N. Paliwala College, Pali.
- Dr. Madhavi Indap, Head, Department of Zoology provided consultation to Fine Envirotech Engineers on Environmental Impact Assessment for the project *2000 MW gas based power plant* (at Ratnagiri, NMSEZ Maharashtra).
- Ms. Gayatri Gadgil, Head, Department of English provided soft-skills training to trainees of Sachin Travels. She conducted training sessions on effective use of email and presentation skills for the employees of Clark and Kent Consulting Inc., and YEN Consultants, Mumbai. She also

provided study material and guidance to the ex-students of the Department who are pursuing M.A. (English).

- Ms. Vaishali Jawlekar, Head, Department of Marathi was invited as a judge for the Poetry Competition organised by Ruia College.
- Ms. Anagha Mandavkar contributed to the narration for a CD titled *Saad*. She proof-read a book titled *Bharatachi Phalani* (Partition of India).
- Mr. Avinash Kolhe, Head, Department of Political Science delivered a speech on the *Indo-US Civil Nuclear Deal* at the Annual Convention of Maharashtra Veej Kamgar Mahasangha, Ambernath. He delivered lectures on Local Self-Governments in U.K., U.S.A. and France for students of the All India Institute of Local Self-Government, Mumbai.
- Dr. Nandini Diwan, Head, Department of Psychology participated as a psychologist in three panel discussions on television viz.
 1. about Suicides in *Dilkhulaas* on Mee Marathi in June 2007.
 2. about Domestic violence in *Dilkhulaas* on Mee Marathi in December 2007.
 3. *Lokmaanas* on Sahyadri in December 2007.

She was a member of the Editorial board of *Research Reach – Journal of Home Science* published by the Research Centre of College of Home Science, Nirmala Niketan, Mumbai in July 2007.

- Ms. Neeta Tatke was a judge for the Inter-University Mallakhamb Competitions conducted by Punjabi University, Patiala on 18th and 19th November 2007. She was a judge for the 25th National Mallakhamb Championship held in Goa from 26th to 28th November 2007.
- Ms. Zulekha Peerbhoy is actively involved in promoting the welfare of stray animals.
- Dr. Pradip Karnik was invited as a member editor of *Vari Kosh* project plan by Shri Wamanraj Prakashan, Pune.

- **Services given by Library**

- i. **Retired Staff:**

The college library provides reading as well as lending services to the retired staff members of the college. Our former Principals Dr. B.R. Shinde, Dr. P.M. Sule have, among many others, availed of this facility.

ii. **Bibliographical Services:**

Date	Institute/Person	Subject
9 th January 2007	Dr. Nandini Pai, Head, Department of Chemistry	List of books for students of M.Sc. (Chemistry)
9 th January 2007	Dr. Vikas Golatkar, Head, Department of Botany	List of books for students of M.Sc. (Botany)
9 th January 2007	Dr. Ajit Naik Department of Physics	List of books for students of M.Sc. (Physics)
9 th January 2007	Dr. Madhavi Indap, Head, Department of Zoology	List of books for students of M.Sc. (Zoology)
23 rd April 2007	Mr. Jayant Moghe	List of periodicals
14 th February 2008	Dr. Prakash Salvi, Head, Department of Economics	List of books related to D.M.S. / B.M.S. subjects for L.I.C.
14 th February 2008	Dr. Tushar Desai	List of books related to Computer Science and Information Technology
3 rd March 2008	Mr. P.G. Hirlekar	List of books on R.B.I. Financial Education

iii. **Photocopy Service** : 200

iv. **Question papers** : 25

v. **Special Services:** Lists of those books prescribed in the syllabi of the University of Mumbai for various subjects and which are available in our Library were created by Mr. Yashwant Mane, Assistant Librarian. These lists were forwarded to the heads of the respective departments for their use and for helping students. These lists are also useful for the acquisition policy of our library.

vi. **Ex-students** : 02

vii. **Reference Service** : 165

19. Teachers and officers newly recruited:

1. Mr. Hanumant Lokhande – Lecturer, Department of English
2. Ms. Anagha Mandavkar – Lecturer, Department of Marathi
3. Mr. Sandeep Kadam – Lecturer, Department of Philosophy

20. Teaching – Non-teaching staff ratio:

Teaching Staff: 82 Non-Teaching Staff: 121 Ratio 1 : 1.46 Approved

Teaching Staff: 78 Non-Teaching Staff: 98 Ratio 1 : 1.25 Actual

21. Improvements in the library services:

- Books were issued out to the following departmental libraries for a year, for effective service.

Department	No. of Books
Botany (P.G.)	58
Zoology (P.G.)	28
Computer / IT	51

- **Data Entry**
Added 1832 entries to our data.
- **Keywords**
Added keywords to our data for 630 books.
- **Editing of Book records**
Data of 321 books has been edited and checked.
- **Extra reading material given for the Project and Research work**
- Department Psychology (for one month) : 51 Books

22. New books/journals subscribed and their value:

Number of books added to the Library (up to 13th March 2008):

Category	Year 2006-07	Titles added in 2007-08 up to 14 th March 2008	Total Books	Amount (in Rupees)
General	66749	367	67116	91,722.75
H.S.	9573	321	9894	19,816.00
U.G.C.	10847	---	10847	00.00
Book Bank	12554	123	12677	16002.00

Donation	10483	379	-----	00.00
Vocational (B.M.S., I.T. etc.)	1183	242	1425	63209.00
Total		1432		1,90749.75

Number of Periodicals added to the Library:

Category	Year 2006-07	Titles added in 2007-08	Total Periodicals	Amount (in Rupees)
Arts	35	01	36	10805.00
Science	31	12	43	38980.00
Commerce	13	1	14	5745.00
Total	79	14	93	55530.00

Books added to the sections of

Career Guidance	07
Competitive Examinations	16

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

- Evaluation of teachers by students was introduced. Written feedback was collected.

24. Unit cost of education:

The Unit cost of Education for the current academic year was Rs. 2720.96/- per student

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

Most of our office work has been computerised long ago and we continue to update it. . The software for the examination results is regularly upgraded in house as per the requirements.

26. Increase in the infrastructural facilities:

The Society has constructed a new seven stored building in the College premises admeasuring nearly 100,000 Sq. ft. The building is near completion and the NOC will be obtained by June 2008. It has a multipurpose AC hall having 10,000 sq ft. area on the first floor, similar size assembly hall on ground floor. There are 12 classrooms with a seating capacity of 100 students each. On fourth floor there are three Computer laboratories having about 160 computers in total, Server room, Staff room and departmental Library.

27. Technology upgradation:

- **Department of Physics:**

1. Mercury thermometers have been replaced by digital thermometers.
2. Analog meters have been replaced by digital meters.
3. CRO with digital readout has been procured.

- **Library**

Particular	No. of Items	Added
Barcode Scanner	02	3
Client in HRS	01	1
Printer Laser-1	01	2

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.
- Computers are available in the Library for the benefit of staff and students. Internet access is provided at a nominal charge.

29. Financial aid to students:

- **Library:** Rs. 33672.00 Under the Book Bank Scheme.

30. Activities and support from the Alumni Association:

- An Alumni Meet was organized in the college on 15th August 2007. Mr. Nilu Damle delivered a talk on *Sixty Years of Democracy in India*.
- The Department of Botany has formed an informal association of graduates and post-graduates in order to maintain contact with the industry.
- Many alumni of the college are now working in the media and entertainment industry. Every year, they organize 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.

- The rain water harvesting project has been implemented with active assistance from our alumni.

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 counseling 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:

- Dr. Kamakshree Bhate, G. S. Medical College, Mumbai delivered a talk on *Women and Health* for staff and students under the aegis of Women's Development Cell.
- The Students' Welfare Committee had organised an AIDS awareness programme in association with Lion's Club, Parel.

33. Performance in sports activities:

Our growth in the field of sports has been both consistent and remarkable. Our college has been adjudged second in the university ranking for the last two years.

- **KHO-KHO:** Our women's team won the University title and the men's team won the third place.
- **LAWN-TENNIS** : Ms. Radhika Jadhav won the gold medal for state level lawn-tennis competition.
- **GYMNASTICS** :
 1. Ms. Pooja Surve won the gold medal in the open national level competitions.
 2. Mr. Rohit Mane won the silver medal in athletics in the inter-University tournaments.
 3. Mr. Ashish Deval and Ms. Bhagyashree Sawant won the gold medal in inter-university Malla-khamb competitions.

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

1. Ms. Dipali Veerker stood first in Statistics and second in the Science stream of University of Mumbai by scoring 94 percent marks.
2. Mr. Ajinkya Kamat stood first in Physics and scored 88.4 percent marks.
3. Ms. Shambhavi Khandalekar bagged third position in Philosophy and scored 77.5 percent marks.
4. Ms. Manasi Joshi ranked ninth in Psychology and scored 79.8 percent marks.

Students securing first-class at the T.Y.B.Sc., T.Y.B.A., AND T.Y.B.Com University Examinations:

Department	Total number of students securing first class / total students for the subject in College
Botany	08 / 11
Chemistry	39 / 79
Computer Science	15 / 44
Information Technology	44 / 56
Mathematics	16 / 37
Physics	18 / 45
Statistics	15 / 29
Zoology	13 / 19
Economics	14 / 35
English	03 / 07
Marathi	03 / 22
Philosophy	25 / 40
Psychology	23 / 32
Philosophy+Psychology	01 / 07
History+Political Science	02 / 26
Commerce	115 / 282

Following research papers were presented by the research scholars of various departments:

1. Mr. Kailash Kumar Borate and Parag Kulkarni presented research papers at the 28th Research Scholars Meet 2008 at Vaze College on 22nd February 2008, organized by the Indian Chemical Society.
 2. Mr. Sanket Choudhary presented a paper at a national seminar on *Recent Trends in Industries & Chemical Education* held at K.B.Patil College, Navi Mumbai on 17th February 2008 and it was adjudged as the second best paper.
 3. Mr. Ameya Chavan presented his doctoral work during Research Scholars Meet (RSM) organized by the Indian Chemical Society at Thakur College, Kandivali, in February 2007.
- **Achievements in co-curricular activities:**
 1. 15 students from the Department of Chemistry participated in an Aptitude Test conducted by the Indian Chemical Society. Four students received ranks and certificates of merit.
 2. 10 students of T.Y.B.Sc from the Department of Chemistry presented a skit titled *A day in the life of a Scientist* organized by Chem-skit at S.I.E.S College on 1st September 2007 and won the second prize.
 3. Two students from the Department of Chemistry presented a poster on "Global Warming" at Mithibai College.
 4. Two students from the Department of Chemistry participated in a Science Quiz organized by Mithibai College.
 5. Two students from the Department of Chemistry participated in Chem-speak organized by S.I.E.S College.

6. Two teams of students won prizes at the poster presentation competition organized by the Science Association.
7. Two students from the Department of Physics won third prize in Gravity-2007 organized by Sathaye College.
8. Gauri Paranjape, Shraddha Sundaram, Sneha Pitre, Sukhada Gole, and Swati Wagle won the second prize for a presentation on the topic 'Elevating Mental Health Status in India' in an inter-collegiate competition held at M.M.P. Shah College, Malad.
9. Students of F.Y.B.A. participated and won prizes in the Essay Competition organized by Shri Sathya Sai Seva Mandal.

- **Achievements in extracurricular activities:**

2. Our Marathi one-act play *Ankalipi* received the second prize at the University Youth Festival and Dr. D.Y. Patil one-act play competitions. Ms. Aarati Vadgabalkar was adjudged the best actress and Mr. Dinesh Hatim received a consolation prize.
3. Our Hindi one-act play *B* bagged the first position at the University Youth Festival. Ms. Bhakti Desai received the prize for the best actress. Mr. Sujay Hande received the third prize for acting.
4. Our Hindi skit *Vo Hindi* secured the second position at the University Youth Festival.
5. In the category of mime, *Pruthvila Phutalay Gham* received the third prize at the University Youth Festival.
6. Ms. Bhakti Desai received the consolation prize for *36* at the Indian National Theatre (I.N.T.) One-act Play Competition.
7. Mr. Prakash Ambre received a prize for the best lighting arrangements for the Marathi one-act play *Ankalipi* at the Advait One-act Play Competition.
8. *Mrugacha Paoos* secured the second prize at the Advait One-act Play Competition. It also received prizes for Best Writer, Best Director, Best Set-designer, Best Music and Best Actress.
9. Our Marathi one-act play *Ankalipi* received the second prize at the Amrut-Kumbha One-act Play Competition. Mr. Swapnil Murkar was declared Best Director. Ms. Aarti Vadgabalkar received a consolation prize for acting.
10. NSS volunteers participated in intercollegiate competitions and bagged various prizes viz.
 - Anubhuti - Ruia College
 - First Prize for Dance
 - First Prize for Singing
 - Second Prize for Elocution
 - Pratishodh - Sophia College
 - Third Prize for singing

- **Achievements of the NCC Girls Unit:**

1. Sgt. Riddhi Bhatt attended RCTC at Kerala and bagged the second position in rappelling.
2. Cdt Smita Kesarwani was selected for the group selection 3 camp held at Uran and won a gold medal in cross country.
3. Cdt Smita Kesarwani and Cdt Pooja Parab bagged silver medals in Air Pistol Shooting competition.

- **Achievements of the NCC Boys Unit:**
 - Cpl. Sushant Gawali received the best cadet award for the Disaster Management Camp in Kolhapur.
 - JUO Ved Dhuru received two silver medals for group discussion and essay writing at the N.I.C. camp at Darbhanga, Bihar.

- **Achievements of the NSS Unit:**
 1. The N.C.C. and N.S.S. students of our college regularly organise blood donation camps.
 2. The N.C.C. cadets of our college help in maintaining law and order during Ganapati Visarjan.
 3. NSS students participated in a workshop on 'Importance of Blood Donation and Thalassamia Minor Detection' conducted by University of Mumbai.
 4. On Independence Day, Twenty-five saplings were planted by the volunteers near the Library Building. Eighteen NSS Volunteers also participated in the Parade Squad.
 5. A one-day rural camp was held at Narangi Hill at Virar. The chief programmes were grass cutting, tree plantation, site search, cleanliness, planning session, sadbhavana diwas and a workshop on interpersonal skills.
 6. The N.S.S. unit of the D. G. Ruparel College carried out the Rakhi Project by selling 1000 rakhis prepared by mentally retarded children from the Kokoomal & Keslibai Vocational Rehabilitation Centre for males and females.
 7. The N.S.S. volunteers of the college cleaned the Shivaji Park beach the day after Ganapati Immersion in order to protect the environment and save the beach.
 8. NSS Volunteers helped the Mumbai Traffic Police during Ganapati immersion at Shivaji Park, Dadar.
 9. The D. G. Ruparel College N.S.S. unit organized SCTS 2008 to enable senior citizens to display their talents like singing, acting, painting before a live audience at Dadar-Matunga Cultural Centre. About 56 senior citizens participated in this programme and were presented with certificates and prizes.
 10. Pulse Polio Project was conducted in association with 'G' North Ward, Dadar Municipal Office.
 11. A ten-day camp based on the theme Health in Spirit: Nature, Experience and Personality Development was organized at Shivabhakta Adivasi Ashram Shala, Lavali, Ambarnath. 45 students along with Programme Officer Dr. Rekha Gore attended the camp.
 12. The NSS Volunteers participated and bagged prizes in various intercollegiate competitions.
 13. The NSS Unit of D.G. Ruparel College had organized an intercollegiate environment rally from Five Gardens to Veer Kotwal Udyan.
 14. Under the AIDS Awareness Week from 1st to 10th December 2007, the NSS unit had organized an intercollegiate Rangoli Competition on HIV/AIDS Awareness in the College Gymkhana. Street plays were performed and pamphlets were distributed to the masses.
 15. Volunteers participated in Don Bosco Diwali Mela Open House for street children.
 16. NSS volunteers participated in the leadership camp of the Ladli Project. They also attended a two-day workshop on AIDS Awareness under the Red Ribbon Club Project and a two-day workshop on 'Vasundhara Bachao' organized by Yuvak Biradri.

Other achievements

Dr. Tushar Desai was the Convener for the two day International Course on Vacuum Interrupter Science, Technology and Applications on 18th and 19th April 2008 held at Hyatt Regency, Mumbai.

36. Activities of the Guidance and Counselling unit:

- In order to identify the various problems faced by students and to help them tackle those problems, a Guidance and Counselling Cell has been formed. Dr.Nandini Diwan, Head, Department of Psychology is the Convener.
- A talk on *Emotional Support through Phone Helplines* by volunteers of the Samaritans Telephone Helpline was organized by the Cell on 17th September 2007.
- Students are regularly counselled regarding studies, career plans as well as personal problems.

37. Placement services provided to students:

A Placement Cell was started by the college in the academic year 2006 – 2007 with a view to expose students of different faculties to opportunities in the job market. Dr. Vikas Golatkar, Head, Department of Botany was appointed as coordinator. Some companies invited the students for interviews in their premises. The first company to hold a campus interview was J. P. Morgan Chase. The company selected four students offering T.Y.B.A. (Economics). Ms. Kavita Mane was sent to Australia for further training.

Several companies demonstrated an interest in recruiting our students with a significant demand for final year students of T.Y.B.A. (Economics), T.Y. B.Com, T.Y.B.Sc. with Computer Science, I.T., Mathematics and Statistics. Students of Physics, Chemistry and Biological Sciences were also offered lucrative positions in various companies. Some of the companies which recruited students through placement cell of the college are as follows:

Company	No. of Students Selected
J. P. Morgan Chase	04 (2007-2008)
TATA Consultancy Services	30
Wipro	03
Accenture	02
Infosys	05
Crestcom	02
Packt	11 (awaiting final interview with M.D.)
AC Nielsen Bases	13 (awaiting result of written test.)

Banks like IDBI, ICICI, HDFC also approached the placement cell.

The students of M.Sc. Chemistry were given job placements at

- i. B.A.S.F.India Ltd
- ii. Watson (Seksharia) Pharmaceutical Ltd.
- iii. Specialities Construction Chemicals Factory, Kuwait.
- iv. Aarti Drugs.
- v. Galaxy Surfactants
- vi. Asian Paints.

38. Development programmes for non-teaching staff:

Members of the non-teaching staff are motivated to participate in sports and cultural activities.

- Mr. Yashwant Mane attended a one-day state level seminar on *Modern Technology and the use of internet in college libraries* at N.G. Acharya and D.K. Marathe College, Chembur on 12th January 2008.
- The non-teaching staff of the college participated in various intercollegiate competitions and won numerous prizes the details of which are as follows:

Sports Tournaments organised by College Non-teaching Staff Association

- Our team won the First Prize for Kabaddi. Sports Tournaments organised for Non-teaching Staff Khandwala College, Malad
- Carrom (Women) First Prize- Ms. Rima Lendy.
- Carrom (Men) Consolation Prize- Mr. Milind Nevrekar.
- Our Cricket Team won the Second Prize.
- Mr. Sandip Salvi was awarded Man of the Match twice and Mr. Dhananjay Bhise once.
- Mr. Sandip Salvi was also awarded Man of the Series.
 1. Mr. Ravikumar Pandit won a prize in the Dance Competition (Men).
 2. Ms. Jyoti Brid won a prize in the Rangoli Competition.

39. Healthy practices of the institution:

- Industrial visits are organized to expose students to the applications of their subjects in the professional arena.
- Excursions, field trips and exhibitions provide the students with practical experience.
- Group discussions, debates and presentations are encouraged to improve the independent analytical thinking of the students.
- Career guidance and placement assistance are provided to the students.
- Guest lectures and seminars are organized to enrich the knowledge base of faculty and students.
- Financial assistance is provided to needy and deserving students.
- Students are counselled to help them tackle their academic or personal problems.
- Inter-disciplinary activities are encouraged to foster holistic thinking.
- Participation of students in sports, cultural and other co-curricular activities enables all-round personality development.
- Teachers are motivated to take up research activity.
- A Credit society has been set up for the benefit of the non-teaching staff.

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

A MOU was signed with EMC² for training the students in Storage Management Course. About 40 students have undergone training of EMC² Storage Technology Foundation. EMC² has donated a storage array of capacity 7 terabytes to the College for this training along with some simulator software.

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

- **Butterfly Garden**

The students of T.Y.B.Sc and M.Sc. were introduced with a new concept of wild/sustainable landscaping and butterfly garden. They were motivated and guided to establish and maintain butterfly garden in the College campus. Around 40 species of butterfly were recorded in this garden. Among them were some of the rarest butterflies like Blue mermon, Common palmfly, Red Pierrot, etc. An article regarding this garden was published in the newspaper- DNA. A lot of interest was shown by the communities in the neighborhood.

- **Donations to the library**

Sr. No.	Name of the Donor	Total Books
1	Dr. Ajit Naik (Retired Head, Department of Physics)	14
2	Dr. Madhavi Indap (Head, Department of Zoology)	20
3	Ms Vasundhara Govilkar (Department of Statistics)	49
4	Mr. Q.S.Khan (Proprietor, Tanveer Publications, Mumbai)	06
5	Ms. Patel, Mumbai	120
6	Dr. Pradeep Karnik (Librarian)	39
7	Retired Principal Dr. B. R. Shinde and Mr. P.R. Shinde	103
8	Mr. Avinash Kolhe (Head, Department of Political Science)	05
9	Dr.Pradeep Kulkarni (Principal)	09
10	Dr. Tushar Desai (Vice Principal)	02
11	Mr. Vilas Ghandat (Phadke Prakashan)	08

Part C:

Detail the plans of the Department / Institution for the next year (2008-2009):

- Evaluation of teachers by students will be conducted on a more comprehensive basis. Feedback will be provided to individual teachers in order to help them improve their performance.
- The Department of Psychology will celebrate its Golden Jubilee in 2008-2009. Various programmes like seminars, workshops, exhibitions, lecture series etc. will be organised to mark the occasion.
- The Department of Botany and Zoology has applied for a three-year degree course in Bio-technology.
- The Department of English proposes to start a Language Laboratory to enable students to improve their communication skills.
- The Department of Geography proposes to purchase and install weather instruments on the college campus. Setting up a laboratory to provide more practical knowledge of the subject is also proposed.
- The Department of Zoology proposes to start two new courses- A Course in Micro technique and A Certificate Course in Taxonomy.
- Infrastructural facilities will be upgraded to ensure a more conducive learning atmosphere.
- Renovations to the office will be carried out.
- Latest equipment will be made available in the laboratories.
- The teaching staff will be encouraged to take up minor research projects in greater number.
- The extent of inter-disciplinary activities will be increased.

Dr. Tushar Desai
Coordinator, IQAC

Mumbai
29th March 2007

Dr. Pradeep Kulkarni
Chairperson, IQAC

Seal



MODERN EDUCATION SOCIETY'S

The D. G. Ruparel College

OF ARTS, SCIENCE AND COMMERCE

senapati bapat marg, mahim, mumbai 400 016.

Internal Quality Assessment Cell (IQAC)

2007-2008

Principal Dr. Pradeep Kulkarni	Chairperson
Mr. G. Y. Raosaheb	Vice Principal
Mr. S. M. Sapre	Teacher Member
Dr. Nandini Pai	Teacher Member
Dr. Madhavi Indap	Teacher Member
Dr. Prakash Salvi	Teacher Member
Dr. Nandini Diwan	Teacher Member
Dr. V. V. Golatkar	Teacher Member
Dr. Pradeep Karnik	Librarian
Dr. P. M. Sule	Member from Management
Mr. Subhash Dandekar	Nominee, Local Society
Dr. Tushar Desai	Coordinator (Teacher Member)



New Building under construction in Ruparel Campus