



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

Report

2005-2006

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

Report of the IQAC for the year 2005-2006

Part A

THE PLAN OF ACTION CHALKED OUT BY THE IQAC AT 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 2004-2005, the IQAC decided to consolidate the gains made and work on areas which could not be addressed in 2004-2005 in 2005-2006. These were as follows

- Introduction of more job-oriented courses
- Modernisation of library facilities
- Acquisition of more books for the Faculty of Science
- Increase in the use of modern teaching methods
- Regular maintenance and repair and upgradation of infrastructure
- Increase in minor/major research projects
- Constitution of a Committee to gather data on funding agencies
- Organisation of seminars and workshops
- Visits to University Departments and Advanced Centres of Learning
- Taking up of consultancy services
- Conducting coaching classes for competitive examinations
- Better networking with the alumni
- Formalisation of the counselling cell
- Setting up of the placement cell
- Strengthening of the institution-industry linkage

Progress was made in the following areas through the year

- The Department of English introduced the Certificate Level Course in Functional English as a part of the Add on Course Vocational Course Scheme of the U.G.C.
- The library acquired nine computers and completed the computerization of the cataloguing using the OPAC package. The barcoding procedure for the issuance of books will be brought into force from 2006-2007.
- A conscious attempt is being made about the use of alternative teaching methods like the use of games, role playing etc in addition to a regular use of PowerPoint and paper presentations by various departments
- The College has undertaken the construction of a new building with state-of-art facilities. Repairs of the floor of the Ground Floor of the Arts building were undertaken to retore the sunken part of the floor. Additionally departments are

procuring the infrastructure they need to keep themselves up-to-date with the requirements of education

- In addition to the various associations, seminars are being organized by the IQAC and the Women's Development Cell
- Departments like English, Geography, Marathi and Political Science have visited Libraries and other Institutions to widen the horizons of their students' knowledge
- The Department of Zoology has formed a study circle, which regularly solves papers for preparation for the NET examination

Part B

1. ACTIVITIES REFLECTING THE GOALS AND OBJECTIVES OF THE INSTITUTION

The mission statement of the D.G. Ruparel 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 strive consistently towards bettering its performance.

- A penchant for academics

The D.G. Ruparel 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 Ten 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 too 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 competition and sports that fulfil 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 fulfil 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 fulfilment and emerge as citizens that would contribute constructively to the future of the nation.

2. NEW ACADEMIC PROGRAMMES INITIATED (UG AND PG)

The Department of English introduced the Certificate Level of the Add-on Course in Functional English under the Vocational Course Scheme of the U.G.C.

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. Prakash Salvi, from the Department of Economics is a Member of the Board of Studies in Economics, a Member of the Faculty of Arts and Science and a Member of a Special Committee appointed by the Faculty of Arts to decide the pattern for introducing a 10th Paper in order to start B.A. (Hons.)

Dr. Nandani Diwan was the Convenor of the Committee appointed by the Board Of Studies in Psychology to finalize the practicals for paper –VIII of the T.Y.B.A Revised Course. She is also a Member of the Board of Studies in Psychology

Ms Rukaiya Joshi from the Department of Commerce is a Member of the Board of Studies in Commerce and a Member of the Committee for revising Strategic Management at M.Com. Part I, Management and Production Planning for T.Y.B.Com. and Marketing at the B.Com. and M.Com. levels

Dr. V. V. Golatkar from the Department of Botany has been elected as a Member of the Board of Studies in Botany from 1st September 2005 – 31st Aug 2010.

Dr. (Mrs.) N. R. Pai from the Department of Chemistry is a Member of the Board of Studies, the Faculty of Science and the Syllabus Committee for the new F. Y. B. Sc Organic Chemistry Syllabus for the year 2007-08

Dr. D.A. Shanbag from the Department of Chemistry has been elected as Council Member of the Indian Association of Chemistry Teachers (IACT) Western Zone from 2005 -2008 and a Council Member of the Indian Chemical Society (ICS), Kolkata, Western Zone from 2006 - 2008

Dr. P.V. Kolambekar from the Department of Chemistry has been appointed as a Member of the Syllabus Committee for the subject of Heavy and Fine Chemicals as also on the Board of Studies

Ms. H. I. Keer from the Department of Chemistry is a Member of the Executive Committee of the Ulhas Parisar Prathisthan, Vangani. She is actively involved in all their programmes for tribal children.

Dr. Tushar Desai has been elected as Chairman, Division - 5 (Education and Research) of the Computer Society of India from 2005 to 2007. He is also a Member of the Board of Studies in Physics of the University of Mumbai and a Member of the Ad hoc Board of Studies in Information Technology of the University of Mumbai

Mr. G.Y. Raosaheb from the Department of Statistics and Dr. N . A. Joshi from the Department of Mathematics are Members of the Syllabus Committee for the Applied Component Computer Programming and Systems Analysis.

Mr. G.Y. Raosaheb from the Department of Statistics is a Member of the Board of Studies in Statistics and the Co-ordinator for the committee constituted to revise the syllabi for FY, SY and TYBA Statistics

Ms S.G. Raosaheb and Ms V.V. Gokhale from the Department of Statistics are the Section In-charge of the question bank of the syllabus for the practicals of TYBSc for the period from 2006-07

Ms. A.G. Daptardar from the Department of Statistics is a Member of the Syllabus Committee for FYBA and SYBA Statistics

Dr. Madhavi Indap from the Department of Zoology is a Member of the Syllabus Revision Committee for M.Sc. Part-II in the subject of Zoology.

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

The Department of English used varied innovations in curriculum transaction for the Proficiency in English and Functional English Courses, which included computerised worksheets, word games, paper presentations, PowerPoint presentations, the Linguaphone package, audio cassettes, screening of and discussion on movies, role play and games using the dictionary, thesaurus and other language books and projects

The Department of Marathi organizes discussion-sessions with authors, group-listening of the cassette of 'Charchaughee', a play in the curriculum of F.Y.B.A. and/or group-reading of the same is organized to generate interest among the students, ten minutes of a period per week are used to make F.Y.B.A. students familiar with Marathi Shuddhlekhan, i.e., standard rules of grammatically correct writing, an assignment of reading two books at Mumbai Marathi Granthsangrahalay and submitting a report about them is given to F.Y.B.A. students. They are persuaded to do so to make them familiar with the 'Mumbai Marathi Granthsangrahalay', a main resource-library for Marathi in Mumbai and to cultivate reading and studying habits among them.

This year the Department of Political Science started a Book Review Club, which was inaugurated by the renowned journalist and scholar Dr. Aroon Tikekar. Under the aegis of

this programme the students were encouraged to read books that are broadly relevant to the discipline of Political Science. Students had to make a written presentation before the class. They were given 10 minutes for this exercise. In 2005-06, over two dozens books were read and reviewed by the students of F.Y. and S.Y. B.A. This exercise is really very useful as it provides the students with an insight into the book, its main argument, its positive and negative side, etc. A novel experiment was carried out under the banner of Book Review Club; an attempt was made to invite the author of the book and in his or her presence the book would be reviewed and later discussed by the students. For eg Mr. Arvind Lavakare who wrote a book on 'Article 370' was present when the student reviewed his book. He presented his arguments to defend his position. Moreover students of S.Y B.A. made presentations in pairs on topical themes like the Arab- Israel dispute, the Ireland-England problem, the Roman Catholic-Protestant Divide, etc. For these presentations they had to go to library, run through different books/magazines, collect maps and thereby make a meaningful presentation in ten minutes time. A programme entitled In the Company of Great Minds was introduced for students of F.Y.B.A. Each week a famous political speech was selected and given to a student. The student had to go to the library and get more information on the person who had made the speech. For example the famous speech of Dr. Martin Luther King Jr. [' I have a dream...'] was read out by a student in the class room, where along with the speech he also introduced the person behind the speech. In this section students read out the speeches of [1] Winston Churchill [2] Pandit Nehru [3] Abraham Lincoln [4] M.A. Jinnah [5] Lokmanya Tilak. This exercise again involved library visits. An activity entitled Open Forum, which amounted to running a weekly wallpaper was introduced for students of S.Y.B.A. The students collected important political, economic, cultural and sports news items of the week gone by and put them together in an attractive manner.

The Department of Statistics conducts group discussions on various topics, twice a week. Moreover Statistics students of S Y B.Sc made questionnaires for surveys involving the themes Health Care among Women and Investment Analysis.

The Department of Zoology undertook numerous activities to increase student participation. M.Sc. (I and II) students undertook small research projects based on their syllabus, which helped them to develop a research aptitude. F. Y. B. Sc. students were given tutorials every week based on both the papers in Zoology to improve their writing skills and the use of the English language. S. Y. and T. Y. B. Sc. Zoology students were asked to prepare their report on the field visit they had undertaken to better their writing, reading and presentation skills. Prizes were given out to the best projects. M. Sc. Part I students made PowerPoint presentations on their seminar topics. A film on Ranthambore National park and Bharatpur Bird sanctuary was prepared and edited by S. Y. B. Sc. Students along with PowerPoint presentations on various field trips. A study circle which included 25 students from M. Sc., Ph. D, Ex-students as well as Staff members was formed so as to bring about an exchange of knowledge through a discussion on allotted topics as well as sessions for solving NET papers

4. INTER-DISCIPLINARY PROGRAMMES STARTED

In the forthcoming year we propose to introduce the Biotechnology Course.

5. EXAMINATION REFORMS IMPLEMENTED

Various departments have increased the frequency of class tests, especially at the T.Y. level so as to ensure constant evaluation. Students are then given feedback so that they can ease out their lacunae and their performance improves.

6. CANDIDATES QUALIFIED: NET/SLET/GATE ETC.

- Ms. Deepa Jaydev from the Department of Philosophy cleared the SET examination
- Ms. Prachi Tamhane from the Department of Zoology cleared the NET examination

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

Ms. Preeti Shirodkar from the Department of English delivered a talk on Modernism: Unveiling the Complexities at the D.B.J. College in Chiplun

Ms. Neeta Tatke from the Department of Psychology was a resource person at a national level seminar on Games Management organized by the S.N.D.T University and delivered a talk on Mental Training in Sports

Mr. Nitin Kulkarni from the Department of Accounts delivered a lecture to Chartered Accountants at the Jalgaon Branch on Tax Deducted at Source.

Dr. Ganesh S Pathre from the Department of Chemistry was invited as a speaker at a one-day workshop on the topic “How to face SET/NET Examination” in Karmveer Bhaurao Patil College, Vashi on December 25, 2005.

Dr. Ganesh Pathre from the Department of Chemistry delivered a series of 30 lectures on “Synthetic Organic Chemistry” in Karmveer Bhaurao Patil College, Vashi, Navi Mumbai for Post Graduate students from November 23, 2005 to January 09, 2006.

Mr. S. M. Sapre from the Department of Physics was a resource person for a workshop on “Scope of Syllabus in Applied Component - Electronic Instrumentation” at K. J. Somaiya College on 7th February, 2006

Dr. Tushar Desai from the Department of Physics attended EDUCON 2005, Vice Chancellors meet at Hyderabad organized by the Sakal Newspaper, Pune, where he delivered a talk on ‘Faculty Upgradation Challenges’, on 13th and 14th August, 2005.

Dr. Tushar Desai from the Department of Physics was a Resource person for a Workshop on “Scope of Syllabus in Applied Component - Electronic Instrumentation” at K. J. Somaiya College on 7th February, 2006

Mr. Dilip Maske was a resource person at a one day workshop arranged by the Education Officer of the Vasai Taluka for Primary School Teachers from the area. The theme of the

workshop was “Preparation for Scholarship Examinations in the subject of Mathematics.” on 8th January, 2006.

Teachers as participants

Dr. Prakash Salvi attended a Seven Day Workshop on Quantitative Economics held at the Department of Economics, University of Mumbai from 3rd to 10th October, 2005.

Dr. Prakash Salvi was the coordinator of a One Day Workshop on the Pattern of T.Y. B. A. (Economics) Question Papers organized jointly by the Board of Studies in Economics, University of Mumbai and the Department of Economics, D. G. Ruparel College, Mumbai, on 26th September, 2005.

Ms. Preeti Shirodkar from the Department of English attended a seminar on Partition Literature at Sophia College, Mumbai on 6th August, 2005

Ms Deepali Bhide from the Department of Geography attended an orientation cum training programme organized by the Women’s Development Cell of the University of Mumbai on 29th November 2005.

Ms. Deepali Bhide attended a seminar entitled Women and Police : Defining Boundaries organized by the Women’s Development Cell of the University of Mumbai on 13th March, 2006.

Ms. Vaishali Jawlekar from the Department of Marathi completed her second Refresher Course in December 2005.

Ms. Vaishali Jawlekar from the Department of Marathi attended a seminar on ‘Bandh-Anubandh’ (a book in T.Y.B.A. curriculum) organized by the Acharya Marathe College.

Ms. Vaishali Jawlekar from the Department of Marathi attended a state level seminar entitled “Author Baburao Bagul” at R. K. T. college from 26th to 28th September, 2005

Ms. Anupama Yende from the Department of Philosophy attended a workshop on Changes in the Syllabus held at the University of Mumbai on 18th August 2005.

Ms. Anupama Yende and Ms Deepa Jaydev attended the workshop on Changes in the Paper Pattern held at SIES College on 1st February, 2006.

Dr. Nandani Diwan from the Department of Psychology attended a National Seminar on Globalization: A Psychosocial Perspective organized by the Bombay Psychological Association on 23rd & 24th January, 2006 and co-chaired the session of paper presentations by post and under graduate students. Ms. Neeta Tatke also attended this seminar.

Ms. Neeta Tatke from the Department of Psychology completed a certificate course on Quality of Life Issues in Chronic Illness conducted by the Department of Applied Psychology of the University of Mumbai from 1st to 20th December, 2005.

Dr. V. V. Golatkar and Dr. S.A. Sawant from the Department of Botany participated in a National Conference on "Management of Urban Vegetation" organized by the Department of Botany, Wilson College, Mumbai, on 23rd and 24th September, 2005. Dr. Golatkar also worked as the Convenor of the Transport Committee.

Ms. Sabita Swain from the Department of Botany attended a National Seminar on "Technology and Society" organized by the Indian Institute of Public Administration, New Delhi at Mantralaya, Mumbai in October 2005.

Dr. (Ms) N. R. Pai from the Department of Chemistry attended a UGC-sponsored seminar on Nanotechnology: A Tiny Revolution 21st and 22nd September, 2005 at K.J. Somaiya College.

Dr. D. A. Shanbag and Mr. Ksitij Chavan from the Department of Chemistry attended a workshop on Chemical Bonding and Spectroscopy organized by the Indian Association of Chemistry Teachers at Wilson College on 12th and 13th August, 2005.

Dr. D. A. Shanbag from the Department of Chemistry attended a U.G.C. sponsored seminar on Nanotechnology: A Tiny Revolution from 21st to 22nd September, 2005 at the K.J. Somaiya College.

Dr. D. A. Shanbag, Ms. H.I. Keer, Ms. A.A. Patkar, Dr. (Ms.) R. S. Manjrekar, Mr. K. T. Waghmode, Mr. Kshitij J. Chavan and Mr Vijay L Chavan from the Department of Chemistry attended a U.G.C. sponsored workshop on Spectroscopy, on 23rd and 24th February 2006 at the Institute of Science.

Ms. H I. Keer from the Department of Chemistry attended a workshop to discuss the course content of the newly introduced syllabus at M.Sc.-I in Chemistry at the Department. of Chemistry, at the University of Mumbai, on 3rd September, 2005.

Ms. S. D. Nadkarni and Mr. S. A. Mahimkar from the Department of Chemistry attended a workshop for the new syllabus for M.Sc. I in Analytical Chemistry at the University of Mumbai in September 2005.

Dr. (Ms.) R. S. Manjrekar from the Department of Chemistry attended the ACI Fall Convention at Kansas City, U.S.A. in November 2005.

Dr. (Ms.) R. S. Manjrekar from the Department of Chemistry attended a U.G. C. sponsored workshop for Counselling for College Teachers in January 2006 at Valia College, Andheri, Mumbai.

Mr. K. T. Waghmode from the Department of Chemistry attended a Research Scholars Meet sponsored by the Indian Chemical Society, organized by the Mithibai College

Mr. Kshitij J. Chavan and Mr. Vijay L Chavan from the Department of Chemistry attended a NET/SET Workshop at K.T.H.M. College, Nasik on 22nd, 23rd and 24th November, 2005.

Mr. Sagar Kotekar Patil from the Department of Information Technology attended a two day workshop on the “IT Faculty Development Program” organized by NASCOM at Accenture, Mumbai in February, 2005

Ms. Jayshree Mehta from the Department of Mathematics attended a workshop on Type setting “Tex / Latex” held at Jaihind College and Bombay mathematical Colloquium in December 2005

Ms. Abhaya Chitre from the Department of Mathematics participated in a symposium on Algebraic Number Theory held between 17th and 19th November, 2005 at Thakur College

Ms. Abhaya Chitre from the Department of Mathematics participated in a seminar on Application of Computer Aided Systems to Mathematics Teaching held on 13th and 14th January, 2006 at Sathaye College

Dr. Tushar Desai from the Department of Physics attended the Technology Senate 2005 – CIO and Head, IT meet at Bangkok from 15th to 18th September, 2005.

Dr. Tushar Desai from the Department of Physics attended the IVSNS – 2005, National Symposium of IVS at IPR, Gandhinagar from 16th to 18th November, 2005. He was the Co-Convenor of the symposium.

Ms. Vidya Patil from the Department of Physics was a Resource person for a Workshop on “Scope of Syllabus in Applied Component - Electronic Instrumentation” at the K. J. Somaiya College, on 7th February, 2006.

Ms. Vidya Patil from the Department of Physics attended a Refresher Course in Physics in December 2005

Mr. Dilip Maske from the Department of Physics attended a Two Day Workshop on M.Sc. Part I Revised Syllabus on 15th and 16th July, 2005.

Mr. Dilip Maske from the Department of Physics attended a One Day Workshop on ‘Lasers – The Wonder Light’ organized by the G.N.Khalsa college on 12th January, 2006.

Mr. Dilip Maske from the Department of Physics participated in a Panel Discussion on the Activities of WRIC in connection with the Repair, Maintenance and Fabrication of Instruments, Training on 26th November, 2005 & 14th March, 2006.

Mr. Ganesh Madkaikar from the Department of Physics attended a two days UGC sponsored workshop on ‘Physics of Music’ organized by the Physics Department of National College held on 28th and 29th January, 2005.

Mr. Ganesh Madkaikar from the Department of Physics acted as a Convenor for the Gravity 05 competition at Sathaye College, where students from our college participated.

Mr. Ganesh Madkaikar from the Department of Physics attended a lecture on “Big Bang” by Dr. Simon Singh at Jai Hind College, along with the students from our College.

Mr. Ganesh Madkaikar from the Department of Physics attended a two day workshop on the 'Fundamentals of Quantum Mechanics' organised by the Physics Department of the N.E.S. Ratnam College in collaboration with the Indian Physics Association, Mumbai Chapter, on 1st and 2nd September, 2005.

Mr. Ganesh Madkaikar from the Department of Physics attended a Two Day State Level Seminar on "Nuclear Physics" at Jhunjhunwala College, on 3rd and 4th February, 2006.

Mr. Bipin Sonavane from the Department of Physics attended a Two Day seminar on Development of Quantum Mechanics conducted by Ajoy Ghatak on 2nd and 3rd September, 2005, at Ratnam College.

Mr. Bipin Sonavane from the Department of Physics attended the SERC School on "Theoretical High Energy Physics" at HRI, Allahabad, from 6th to 25th November, 2005. (Sponsored by DST, Govt. of India.)

Mr. Bipin Sonavane from the Department of Physics attended a lecture along with students on "Quarks and Gluons" at TIFR

Mr. Bipin Sonavane from the Department of Physics attended a lecture by Dr. Jagtap on "Bose-Einstein Condensation" along with students at the Nehru Science Centre.

Mr. Deepak Gaikwad from the Department of Physics attended a Two Day state level seminar on "Nuclear Physics" organized by Jhunjhunwala College, Ghatkopar on 3rd and 4th February, 2006.

Mr. Deepak Gaikwad from the Department of Physics attended a Two Day seminar organized by the Department of Physics, University of Mumbai "National Science Day Celebration" on 26th and 27th February, 2006.

Dr. Madhavi Indap from the Department of Zoology attended a workshop on Immunological Techniques held at Bhavan's Research Centre, Mumbai from June 20-24, 2005 sponsored by DBT.

Dr. Meenakshi Sunderasan from the Department of Zoology attended an Orientation cum Training Programme for the Women's Development Cell, University of Mumbai on 29th November, 2005.

Mr. Nitin Wasnik from the Department of Zoology attended a workshop entitled "Application of Bioinformatics" at ACTREC on 9th and 10th March, 2006

Other Contributions

Mr. Rajendra Sardesai from the Department of Accounts was instrumental in developing material for a course on Information System Audit conducted by the Institute of Chartered Accountants of India.

The teachers of the Department of Chemistry are members of various professional bodies such as the Indian Association of Chemistry Teacher (IACT), the Indian Women Scientist Association (IWSA), the Indian Chemical Society (ICS), the Indian Society of Analytical Scientist (ISAS), the Society for Advancement of Electrochemical Science and Technology (SAEST).

Four of our non teaching staff members have completed the MSCIT Course in the year 2005. This course was conducted by our college for the State Government

8. TOTAL NUMBER OF SEMINARS/WORKSHOPS CONDUCTED

The College has a lot of 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

Activities of the Associations

THE INTERNAL QUALITY ASSURANCE CELL

- A seminar entitled Quality in Education was conducted on 22nd October, 2005, where Ms. Kalpana Hans from the Wellingkar Institute of Management made a PowerPoint presentation

WOMEN'S DEVELOPMENT CELL

- A seminar on "Prevention of Sexual Harassment at Work Place" was organised by the Women's Development Cell of the D. G. Ruparel College for the teaching, non- teaching staff and students on 20th January, 2006.

ECONOMICA

- The Department of Economics organized a workshop on 26th September, 2005 entitled Paper Pattern for TYBA Economics.
- A seven lecture series on "The Econometric Model" was conducted by Dr. Neeraj Hatekar for TYBA Economics students.

RUPELA: THE RUPAREL ENGLISH LITERARY ASSOCIATION

- Screenings
 - Pride and Prejudice
 - My Fair Lady
 - Dead Poets' Society
- PowerPoint Presentations
 - Vijay Tendulkar: His life and works by Vijaylakshmi
 - Demystifying Jejuri by Ameya Naik
 - Texts and Contexts: Approaching Literature by Preeti Shirodkar
- Scripting, direction and performance of a skit: An Informed Choice based on Revenge Herself - a story by Lalitambika Antaranjanam.
- A talk by Jaimini Pathak on Modern Theatre

- Presentations at D.B.J. College, Chiplun
 - Victorian Poetry – F.Y.B.A. students
 - Theatre of the Absurd – T.Y.B.A. students
- Regular class presentations by students of S.Y.B.A. on Background topics
- Play performances at D.B.J. College, Chiplun
 - Eugene Ionesco’s The Bald Prima Donna performed by Preeti Shirodkar, Ameya Naik, Pankti Shah, Sanchit Shrivastava, Swati Wagle, Minal Prasade and Vinita Nair. Adapted and directed by Preeti Shirodkar. Props creation Divya Nadkarni.
 - Oscar Wilde’s The Importance of being Earnest performed by Pankti Shah, Ruchika Choubal, Prajakti Sardesai, Smita Chavare, Annie Susai and Sowmya Shetty and Vinita Nair. Adapted and directed by Gayatri Gadgil and Minouti Naik.

MARATHI VANGMAY MANDAL

- The Late L.G. Joag Memorial Lecture Series was delivered this year by ‘Ms. Pratibha Ranade’, a respected author and researcher. In the two lectures, Ms. Ranade shared her views on Feminism, Feminist Literature, as well on the difference between literary and research work.
- On July 25, 2005, Mr. Sandip Kulkarni, a noted actor gave a talk on ‘Pravaas Ekaa Abhinetyachaa’, where he shared his experiences about T.V. soaps, films, and theatre
- A lecture of Mr. Nandkumar Moghe on the subject ‘Nisarg-Vinashapasoon Mumbai Shaharala Vaachva’ was organized jointly with the Department of Geography on 2nd September, 2005 to awaken the young generation about the grave environmental problems of Mumbai and possible solutions.
- On 5th September, 2005, senior journalist and researcher Mr. Nilu Damle was invited to speak on ‘Shikshankshetratil Navi Ahvaane’.
- To enable T.Y.B.A. students to understand the topic ‘Study of Different Forms of Ancient Marathi Verse’ better, a literary musical programme – ‘Kaakadaarati Te Shejaarati’ was organized on 10th January, 2006. It was performed by Rasikranjan Mandal, Pune and anchored by Dr. Madhuri Panshikar, Head of the Department of Marathi.
- Mr. Shekhar Kunte, an expert in the field of Voice-culture, was invited on 18th January, 2006 for an interactive programme-‘Sambhashankaushalya Ani Bhashankala’, during which he guided the students about communication skills and personality development.
- Since the last three years the Department of Marathi has been organizing a Poetry Competition in Marathi to provide a platform to talented students.
- A two-day workshop on ‘Shuddhlekh’(Standard Rules of Grammatically Correct Writing) was arranged for students, during which Mr. Kalyankar guided the students on how to avoid common punctuation mistakes and also provided them with some practice-material.

POLIS

- Talks by:
 - M.V.Kamath, Chairman of Prasar Bharati
 - Atul Deulgaonkar, a Rehabilitation Expert
 - Arvind Lavakare, Political Commentator

MAANAS

- The Department of Psychology conducted a one day orientation workshop on the revised syllabus of T.Y.B.A. Psychology papers VII, VIII, IX on 16th July 2005

CASSO: COMMERCE ASSOCIATION

- Mr. V. B. Kawatkar from the Kirti college and Mr. Shashikant Desai from Chetana College conducted a training session for T. Y. B. Com. students in Accountancy.
- Mr. P. S. Shet was appointed by the M. M. K College to evaluate the book reviews of the participants of the Refresher course in Accountancy.

CHEMARC: CHEMISTRY ASSOCIATION

- Professor Darsh Wasan, Motorola Chair Professor of Chemical Engineering and Vice President for International Affairs at Illinois Institute of Technology, Chicago, Illinois, USA conducted an interactive session on "Educational Opportunities in the United States" on 9th December, 2005.
- A career guidance talk for students of S.Y.B.Sc and T.Y.B.Sc was delivered by Dr. Ganesh S. Pathre on 15th December, 2005.
- An ongoing programme on "Potential to performance P2P" has been conducted by Dr. (Mrs.) R.S. Manjrekar for T.Y.B.Sc students.
- The Department of Chemistry conducted a workshop a NET/SET workshop on 14th , 15th and 16th January, 2006.

N.S.S.

- A workshop on Communal Harmony was held on 30th August, 2005. Mr. Ramesh Ozha shared his views on this with the volunteers of Kirti College and Poddar College.
- A lecture on Thalassaemia was held on 3rd September, 2005.

9. RESEARCH PROJECTS:

a) Newly implemented:

- Dr. V. V. Golatkar from the Department of Botany applied for a minor research project entitled "Comparative Analysis of Antifungal Activity of Different Extracts of Parthenium hysterophorus against some Plant Pathogenic Fungi" to the University of Mumbai.

b) Completed

- A major project entitled "Infrastructure and Economic Development in India" was submitted by Dr. Prakash Salvi to the U.G.C. in July 2005
- Dr. S. A. Sawant from the Department of Botany submitted a minor research project entitled "Assessment of Various Brands of Biofertilizers, Organic Fertilizers and Vermicomposts" to the University of Mumbai in August 2005. Based on the above minor research project Dr. S. A. Sawant presented a poster entitled "Assessment of Gromore Biofertilizer in relation to other Bio and Organic Fertilizers available in the Market." in a seminar on "Research Activities in the University Departments and Affiliated Colleges" on 28th September 2005 at the Marathi Bhasha Bhavan, University of Mumbai.

- Dr. Mugdha Patki along with Dilip Maske from the Department of Physics completed a minor research project entitled ‘Effect of Electric and Magnetic Field on Physical Characteristics of Exogenous Neurotransmitters Ach and Dopamine’ approved and funded by the University of Mumbai.
- The Department of Zoology has completed the project “Effect of petroleum film on phytoplankton ecology along west coast of Mumbai” funded by Department of Ocean Development (DOD), Government of India, which was investigated by Dr. Madhavi Indap and JRF: Ms. Reena Pandit for which the fund amount was Rs. 3, 27,800

10. PATENTS GENERATED, IF ANY

Nil

11. NEW COLLABORATIVE RESEARCH PROGRAMMES

- Identification and Isolation, in Pure Culture, of Various Fungi Growing on the Skin of Stuffed Animals like Tigers, Fish etc. will be carried out by Dr. V. V. Golatkar from the Department of Botany in collaboration with Dr. Santosh Gaikwad from the Department of Anatomy and Histology, Bombay Veterinary College, Parel and Goregaon in Mumbai.

12. RESEARCH GRANTS RECEIVED FROM VARIOUS AGENCIES

- Dr. S. M. Sapre along with Mrs. Vidya Patil and Dr. Mugdha Patki from the Department of Physics as co-researchers were awarded a grant of Rs. 25,000/- by the University of Mumbai for a minor research project entitled ‘Effect of Temperature Variation and Electric Field on Exogenous Neurotransmitters- Adrenaline and Dopamine’

13. DETAILS OF RESEARCH SCHOLARS

Teachers as research scholars

- Dr. (Ms). Mangala Heble got a Ph. D. in Botany under the guidance of Dr. Usha Mukundan. The title of her thesis was " Studies on Plant Microbe Interactions"
- Dr. Pradip Karnik got a Ph.D in Library and Information Science under the guidance of Dr. S. R. Ganpule. The title of his thesis was "Assessment of Contribution of a Public Library to the Society with specific reference to Cultural and Literary Development : a case study of Mumbai Grantha - Sangrahalaya.

Teachers as guides

- Mr. J. Suryavanshi was awarded a Ph.D. under the guidance of Dr.(Ms.) N.R.Pai. from the Department of Chemistry in February 2006, for his thesis entitled “Studies, Synthesis of Novel Antidiabetics, Antibiotic compounds and separation by Chromatographic Methods”
- Ms. Reena Pandit is at present working as a JRF on a DST funded project of Isolation and Purification of Tubulin under the guidance of Dr. Madhavi Indap from the Department of Zoology., the title of her thesis being Antiangiogenic and tubulin interactive properties of marine animal extract and their isolates. She has also received a months training at ACTREC on Animal Tissue Culture

- Ms. Vrushali Datar is working in the area of Chemoprotection and angiogenesis, under the guidance of Dr. Madhavi Indap from the Department of Zoology, the title of her thesis being Chemoprotection and some important biological activities of plant extracts and their fractions.
- Ms. Archana Thakur is working in the area of Isolation and Identification of marine bacteria using PCR technique and Endothelial cell culture, under the guidance of Dr. Madhavi Indap from the Department of Zoology, the title of her thesis being Studies on some bioactive aspects of selected marine organisms.
- Ms. Rupa Phatak is working in the area of Antimicrobial larvicidal and herbicidal activity, under the guidance of Dr. Madhavi Indap from the Department of Zoology, the title of her thesis being Larvicidal and other activities of extract from Marine Organisms.
- Ms. Sushama Parab is working in the area of Isolation of Marine Bacteria, PCR technique, Human karyotype analysis, under the guidance of Dr. Madhavi Indap from the Department of Zoology, the title of thesis being Efficiency of extracts of marine animals in modifying drug induced clatogenicity.
- The topic of Mr. Aditya Akerkar: has been sent for approval, it being Extraction, isolation and purification of fish oil from marine organisms and their biological activities.

14. CITATION INDEX OF FACULTY MEMBERS AND IMPACT FACTOR

Citation index of Dr. Madhavi Indap from the Department of Zoology

- The paper One step flow through adsorptive purification of tubulin from tissue homogenate has been published in Journal of Chromatography in April 2005. The impact factor of the journal is 2.176. The citation number of the paper is 11.
- The paper Antiangiogenic antimicrobial and cytotoxic potential of sponge associated bacteria has been published in the Journal of Marine Biotechnology in June 2005. The impact factor of the journal is 1. The citation number of the paper is 1

15. HONOURS/AWARDS TO THE FACULTY

- Ms. Arundhati. J. Rane from the Department of Biology of the Junior College was awarded the Savitribai Phule Adarsh Shikshika Puraskar 2005 for her immense contribution to the social and educational fields.

16. INTERNAL RESOURCES GENERATED

- The Department of English has collected Rs. 47,500 by way of fees collected from students for the Certificate Course in Functional English under the Add on Vocational Courses Scheme of the U.G.C. and Rs. 5, 700 for the Proficiency in English Course under the COHSSIP Scheme of the UGC
- The Department of Zoology has undertaken testing work of bioactive compounds for
- Nicolas Piramal under the guidance of Dr. Madhavi Indap from June 2005 from which it has generated Rs 15,000/-
- The Department of Zoology received Rs. 15, 77,723 from DST (Department of Science and Technology, Government of India) for the project “Isolation, purification and stabilization of tubulin” in collaboration with UICT. The second batch of funds is awaited

• Funds obtained by the Library	
Internet Fee	8125.00
Fine	22000.00
Mumbai University (For Book Bank)	37000.00

17. DETAILS OF DEPARTMENTS GETTING SAP, COSIST (ASSIST) / DST. FIST, ETC. ASSISTANCE/RECOGNITION

- The Department of English has received an assistance of Rs. Three lakhs under the Add on Vocational Courses Scheme of the UGC

18. COMMUNITY SERVICES

- Ms. Neeta Tatke from the Department of Psychology works with Samnvaya an NGO involved in family welfare and marital counselling. She also works for Shree Samarth Vyayam Mandir as a committee member and organizes and conducts camp for children and adults and trains blind children, foreign nationals and differently abled children in Mallakhamb.
- Ms. Rukaiya Joshi is associated with Baba Amte's Yuva Gram Project, the Aditya Purvi Charitable Trust, the Janani project at the Oshiwara BMC Hospital, the PPTCT programme of the Mumbai District AIDS control society, a health and training centre at Nehru Nagar, Vile Parle (West) and Sarvodaya, a humanist movement group
- Various fungal cultures have been provided to the students of different colleges by the Department of Botany for the completion of their research projects.
- Dr. V. V. Golatkar from the Department of Botany visited Dr. Mohammed Ishaq Jamkhanwala Girls High School and Junior College of Science And Commerce on 24th October, 2005 to guide Junior College biology students.
- An exhibition "Magic of Chemistry" was arranged for students of the Indian Education Society on 10th December, 2005. About 18 experiments were demonstrated to the students, who were enthused by the delights in Chemistry and motivated to further investigate the excitement offered by Chemistry.
- A visit to the Science Departments of the Ruparel College was organized by the Department of Physics for 30 standard IX students and five teachers of the V. N. Sule Guruji High School, Dadar. The students were exposed to various concepts in Physics, Chemistry, Botany and Zoology. Mr. M. R. Londhe and Mr Maske from the Department of Physics demonstrated and explained various experiments in Physics and co-related the concepts to experiences we have in our daily life. The students were fascinated with some experiments and took keen interest in them. The Visit to Science Laboratories programme will be regularly implemented for school children of the nearby areas.
- A Physics exhibition entitled Fun with Physics was arranged under the leadership of Dr. Ajit Naik and Mr. M. R. Londhe to popularize Physics among the degree college students. Rare apparatus was displayed and certain modern equipments were demonstrated. Experiments explaining concepts related to Heat, Thermodynamics, Electricity, Magnetism, Modern Physics and Optics were demonstrated. Some of the

interesting experiments were Platiny plate, Tesla coil and study of diffraction patterns with help of laser optics.

- Many of the teachers from the Department of Physics are associated with various societies, organizations and NGO's as committee members.
- Mr. Madhav Londhe has worked as a coordinator for the south zone for the International Year of Physics events organized by I.P.A., as a judge for the International Year of Physics- events organized by I.P.A. at M.D. College. Moreover he has conducted a series of lectures in the subject of Physics for Std VI and VII competitive examination and a lecture for school children organised by the Department of Extra Mural Studies of the University of Mumbai on 'Physics in everyday life' held at the Nehru Science Centre.
- Ms Vidya Patil promotes Astronomy in schools, organizes lectures and demonstrations on astronomical events and arranges star gazing programmes for schools in and around Kelve- Palghar (using a 5 inch Telescope and Binocular). She has been assisting High School students to participate in Science Exhibitions by suggesting innovative science projects and extending technical support for the same. Moreover she is associated with NGOS like Adiwasi Gram Seva Sangh- Kainad – Dahanu, Adiwasi Sahaj Shikshan Pariwar – Masvan-Palghar, National Institute of Rural Integrated Development (NIRID) - Palghar working in the rural area
- Service given to special readers by the library

No.	Name of User	No.of Books Issued
1	Mr. M.M.Shirodkar	12
2	Mr. Chandrakant Bhonjal	07
3	Mr. Jayant Moghe	06
4	Ms. Sunanda Bhosekar	06
5	Mr. S.S.Sompurkar	05

- Service given to Retired Staff Members of College by the Library

No.	Name of User	No.of Books Issued
1	Rtd. Prin. Dr. B.R.Shinde	71
2	Dr. M.B.Wani	34
3	Mr. Ram Kapse	12
4	Mr. G.R.Shinde	10
5	Ms.. Seema Toraskar	09

- Inter Library Loan Service provided by the Library

Date	Institute/Person	No.of Books
4/4/2005	Dr. Prakash Karmarkar (Kelkar College, Mulund	02

- Bibliographical Services given by the Library

Date	Institute/Person	Subject
11/4/2005	Mr. Ram Kapse	Bibliography of Swatantravir Savarkar (Books available in the College Library)
2006	Disha (Monthly Periodical)	Bibliography of Bharat Sasne
2006	Rtd. Prin. P.G.Hirlekar	List of Competitive Exam. Books available in the College Library

- N.C.C.

- 18 of our N.C.C. cadets helped the state administration for the peaceful immersion of Ganesh idols on the 5th and 11th day of immersions.
- 3 of our N.C.C. cadets were Battalion Pilots for the arrival of the Deputy Director General of N.C.C. Brigadier R.S. Sard
- 20 of our cadets attended the Cancer Awareness Programme Chaired by Director General of N.C.C. Lt. Gen. M.C. Bhandari
- 12 of our N.C.C. cadets helped our college to collect funds for Tsunami victims.
- 10 of our N.C.C. cadets attended the AIDS Awareness programme held at Churchgate on the occasion of Worlds AIDS Day, where Honourable Governor S. M. Krishna was the Chief Guest.
- V Care Foundation, Mumbai conducted a Cancer Awareness Programme on 3rd & 4th September, 2005 at Mulla / TIFR stadium. 15 of our N.C.C. cadets attended this programme.

- N.S.S.

- All the N.S.S. volunteers participated in the 58th Independence Day celebration. We also celebrated the Independence Day with the patients of Cooper Hospital and distributed sweets to them.
- A Blood Donation Camp was held by the N.S.S. on 5th September, 2005 in association with the St. George Blood Bank. 102 blood units were collected.
- On 11th, 12th & 17th September, 2005 N.S.S. volunteers helped the Mumbai Traffic Police in Ganesh immersion at Shivaji Park, Dadar

19. TEACHERS AND OFFICERS NEWLY RECRUITED

Sr. No.	Subject	Post Reserved for	Candidate Appointed	Cat.	Nature of app.	Salary to be Paid	Joining Date
1	English	SC 1	Mr. S.K. Athawale	S.C.	Temp. on cont.	Rs.8000/- p.m. consolidated	01.12.05
		OPEN 1	Ms. Gayatri Gadgil	OPEN			14.11.05
2	History	OPEN 1	Dr. R.V. Gore	OPEN			14.11.05
3	Philosophy	OPEN 1	Ms. Deepa Jaydev	OPEN			14.11.05

4	Psychology	SC 1	Mr. S.G. Gangurde	S.C.	Temp. on cont.	Rs.8000/- p.m. consolidated	21.12.05
5	Physics	ST 1	Ms. K.W. Bhanse	S.C.	Temp. on cont. upto 30.04.06	Rs.8000/- p.m. consolidated	26.11.05
6	Chemistry	OBC 1	Mr. G.S. Pathre	O.B.C.	Clear vac. on Prob.	8000-275-13500	14.11.05
7	Zoology	SC 1	Mr. N.L. Wasnik	SC	Clear vac. on Prob.	8000-275-13500	03.12.05
8	Commerce	SC 1	Mr. R.S. Netawate	S.C.	Clear vac. on Prob.	8000-275-13500	28.11.05

20. TEACHING – NON-TEACHING STAFF RATIO:

Teaching staff: 82; Non-teaching staff: 101

Ratio 1:1.23

21. IMPROVEMENTS IN THE LIBRARY SERVICES:

- We have introduced a computerization programme in full swing. 8 terminals have been made available for the teachers and students for accessing the catalogue OPAC
- Data entry for 60000 books has already been completed and the barcoding procedure will be implemented for lending of books from 2006-07 to all students and staff

22. NEW BOOKS/JOURNALS SUBSCRIBED AND THEIR VALUE:

- Books worth Rs. 3,11,814/- during academic year 2005-2006, which includes book-bank purchases of Rs. 56,964/-
- Number of books added to the library

Category	Year 2004-05	Titles added in 2005-06	Total
General	64915	776	65991
H.S.	9066	97	9164
U.G.C.	10773	-	10773
Book Bank	11459	531	11990
Donation	9293	587	9880
I.T.	661	162	823
D.M.S.	730	-	730
L.C.	1523	-	1523
Total	108420	2153	110593

- Number of periodicals added to the library

Category	Year 2004-05	Titles added in 2005-06	Total
Arts	30	05	35
Science	21	02	23
Commerce	08	06	14
General	11	01	12
Total	70	14	84

23. COURSES IN WHICH STUDENT ASSESSMENT OF TEACHERS IS INTRODUCED AND THE ACTION TAKEN ON STUDENT FEEDBACK:

We have taken a written and verbal feedback from students who have opted for the Vocational Course in Functional English and their parents. This feedback will be used to bring about changes in teaching material and implantation from the next academic year.

24. UNIT COST OF EDUCATION:

The unit cost of education for the current academic year was Rs.29, 035/- per student

25. COMPUTERIZATION OF ADMINISTRATION AND THE PROCESS OF ADMISSIONS AND EXAMINATION RESULTS, ISSUE OF CERTIFICATES:

The Accounts Department of the Office has been provided with two computers and Tally software.

26. INCREASE IN THE INFRASTRUCTURAL FACILITIES:

- The College has undertaken the construction of a building with 60000 sq ft area, which will have a ground plus four floors structure with an auditorium with a seating capacity of 600 students, the cost of which is about 6.5 crores
- This year the Library has purchased 15 steel racks due to an increase in the book collection of our Library. Five racks are for the lending section and 10 for the Open Access Section.
- The Department of English has purchased a computer with multimedia and a CD writer a printer and a computer table, a LCD projector, audio system, Dictaphone, three cupboards, games, books, maps etc. for students of the department and students of Functional English and the Proficiency in English Course.
- The Department of Psychology procured a reaction time apparatus for visual and auditory stimuli with a built in chronoscope.
- The Department of Zoology has procured a -20 and -80 deep freezer, an Ultracentrifuge, a Laminar flow, a CO2 incubator, a double distillation unit with deionizer, an incubator shaker, a double stage rocker and equipment to enable the development of animal tissue and culture facility

27. TECHNOLOGY UPGRADATION:

- The departmental computers have been updated with CD writers and printers. Moreover, one of the Computer Science laboratory has been upgraded with 20 PCs with multimedia and CD writers. We have also procured a Visual studio and Net 2005 with SQL server 20 licenses
- In the academic year 2005-06, the Library has purchased nine computers (One server and eight thin clients), one laser printer and one barcode scanner for the automation of the Library. This is the first phase of automation of the Library. Out of eight computers, four will serve the readers for searching the data (i.e. OPAC) of our collection. Two will be used for book issuing using barcode scanner (one for students and one for the staff members from the next academic year. And two computers will be used for acquisition, cataloguing and serial control work. From this year library has removed the catalogue cabinets and kept four computers in wooden cabinets for OPAC. For the automation of the Library we have completed casing work as well

28. COMPUTER AND INTERNET ACCESS AND TRAINING TO TEACHERS AND STUDENTS:

- We have three lease lines for the Internet facility. Using these, access is provided to all Departments in the College which house a computer. Over and above accessing the Internet in the various departments, students and teachers also avail of the facility provided in the library. Most teachers and students accessing the Internet are familiar with it but teachers, other students or the library staff provides guidance wherever needed, especially about which sites to access. Additionally a number of staff members and students access the Internet from their homes
- Details of Internet service provided by the Library

Users	No. of Users
Staff Members	567
Students	997
Total	1564

29. FINANCIAL AID TO STUDENTS:

The College has paid students fees from the Mutual Aid Fund and Book Bank purchases amounting to Rs. 53,912. Moreover the College offers fee waiver to children of the teaching staff

30. ACTIVITIES AND SUPPORT FROM THE ALUMNI ASSOCIATION:

The alumni regularly visit the College to seek guidance from their teachers and provide guidance to their juniors. They are invited by their teachers for programmes at the departmental level to ensure interaction and continuity in the teaching-learning process.

31. ACTIVITIES AND SUPPORT FROM THE PARENT-TEACHER ASSOCIATION:

Meetings at the Departmental level are arranged with parents of T.Y. students to keep them abreast with expectations from their ward and the ward's progress.

This year tutorials were introduced as a part of the syllabus for the compulsory papers at the F.Y.B.A. and F.Y.B.Com levels. The Department of English corresponded with the parents of all students from the F.Y.B.A. to inform them about the new system and resolved their queries. We also convened a meeting of all parents of wards who were participating in the educational tour to Chiplun to discuss the trip with them. Moreover parents of students of the Certificate Level in Functional English which was introduced as a course in this academic year were invited on the day of the declaration of their results and certificate distribution and were provided with a detailed feedback by their teacher Ms. Preeti Shirodkar. This was followed by a feedback session from both students and their parents.

32. HEALTH SERVICES:

The College has borne hospitalisation charges of Rs. 900 for a member of the non teaching staff. The College has also provided medical aid amounting to Rs. 230 for a member of the non teaching staff

33. PERFORMANCE IN SPORTS ACTIVITIES:

In the academic year 2004-2005, the College reached the 3rd Rank in the sport events of the University of Mumbai by securing 665 points. In the academic year 2005-2006, the college has secured 870 points fairly early in the academic year.

KHO-KHO

- Our Sr. College Girls beat Nene College (Pen) to become the University Champion. Five of our team players i.e. Vrushali Kothekar, Ashwini Parab, Rahi Lad, Richa Fernandes and Priti Khanolkar are representing the University of Mumbai at Inter-University tournaments. Two of our players namely Shilpa Jadhav and Aparna Khot have been selected for the open national.
- The Jr. & Sr. College combined team won the Kirti Karandak Trophy and the Verma Trophy of M.D. College. The Sr. College Boys' team won the University Championship by beating last year's winner Ruia College by 3 points. Mr. Anil Mandarkar, Swapnil Kotwal, Rushikesh Kotal and Vikas Shirgaonkar were selected for the University team and participated in "Ashwamedh" at Parbhani.

CRICKET

- Our Sr. College Cricketer Sahil Kukreja was selected for the Ranji Trophy as an opening batsman.
- Our Sr. College Cricketer Kshemal Waigankar represented the University of Mumbai team for the inter university tournament and was reported as a star player, when the team won the championship after about seventeen years.
- Yoga, Gymnastics and Mallakhamb
- The Sr. College Girls' team won the University of Mumbai Championship for the third time in succession, whereas the Sr. College Boys' team won the Championship for the first time. Siddhi Sawant has been selected to represent Maharashtra at the National

Gymnastics Competition. Aditi Deshpande was a recipient of the Chhatrapati award for 2004 - 2005.

- As also following players have been selected for different teams in cricket.
 - Under Nineteen
Omkar Gurav, Saurav Damle, Sachin Wagh, Nikhil Mandle, Balkrishna Shirke, Prashant Naik and Sagar Pawar
 - Under Twenty-two
Kshemal Waigankar and Abhishek Nair
 - Inter-University
Kshemal Waigankar, Ankit Chavan and Anand Singh

SOFTBALL

- Our Boys' team were champions for two years but this year the team lost the finals and secured the 2nd position in the University.
- The Girls' team also secured the 2nd position in the University for the first time. Some of our players, namely Chinmay Karandikar, Shrikant Masurkar, Viraj Jankar and Gajanand Parab have been selected to represent the University of Mumbai at the inter University tournament.

CHESS

- The Chess team won the University Championship for the first time with Nikhil Kamat scoring 7/7.

SWIMMING

- Our College team secured the third place. Shank Pilankar and Ashish Ambalkar were selected for the University Swimming Squad.

BOXING

- Gaurav Chati won the Gold Medal at the Inter-Collegiate boxing competition.

BADMINTON

- Our Girls' team secured the third place in the Inter-Collegiate tournament.

AIR RIFLE SHOOTING

Our boys and girls secured the Runners Up position in the following events:

- Open air rifle (Men)
- Open air rifle (Women)
- Peep Sight (Women)

We also participated in Basket-Ball, Table-Tennis and other games but were not among the top three.

Highlights of Inter-Collegiate-Championships

- The Kho-Kho Women's Team retained the University of Mumbai title and won the Kirti College Trophy:
- The Chess Men's Team won the University Championship for the first time:
- The Kho-Kho Men's Team won the University Championship :

- The Yoga Women's Team created a Hatrick by winning the University Yoga Championship
- The Yoga Men's Team won the University title for the first time by winning the Gold Medal
- The Kho-Kho Boys Team won the Sports Association's title for the first time:

34. INCENTIVES TO OUTSTANDING SPORTSPERSONS:

The students who participate in various games and sports often miss class as they are out playing in tournaments. The teachers thus provide them all the required guidance and help so as to enable them to catch up with their studies

35. STUDENT ACHIEVEMENTS AND AWARDS:

Academic Achievements

- Mr. Siddharth Kasturi Rangan stood third in the University in the subject of Physics.
- Paresh Gosavi stood third in the University in the subject of Chemistry
- Our post graduate student, Mr. Vivek Gore secured a scholarship of \$ 42000 per annum for MS-Ph.D. programme at Florida Institute of Technology, Melbourne, Florida and left for USA in December 2005.
- NGPE (National Graduate Physics Exam) is a national level examination organized by IAPT (Indian Association of Physics Teachers).for which 41 students had enrolled from our Institute of which 3 students, namely Kanchan Sanved Ulman, Vinod Sanved Kolekar and Bhargav Vaidya, were in the top 25 at the national level. The students with marks above the cut-off level were Rahul Dubey, Deepashri Saraf, Vikram Shimal, Kiranbhai Patel

Achievements in Co-curricular Activities

- Archana Bhatt from S.Y. B.Sc. won a prize at Royal College for her presentation on Mathematical Concepts.
- Omkar Lanjekar won the third prize at Royal College for his presentation on Cryptology.
- Ruta from S.Y.B.Sc. won the third prize at Royal College for the Mathematics Quiz
- Our faculty members along with the students attended various public lectures at T.I.F.R. & Nehru Science Centre and various colleges. Mr. M. R. Londhe, Dilip Maske and Deepak Gaikwad guided the students for various projects, one of which was “Futuristic City Model”. Several individual prizes and team prizes were won by our students.
- Sanchit Srivastava (F.Y.B.A.) presented a paper entitled Whose Line is it Anyway? during a seminar on Partition literature held at Sophia College on 6th August, 2005.
- Ameya Naik, Annie Susai, Minal Prasade, Smita Chavare, Shweta Karmalkar, Devika Kotibhaskar, Pallavi Arur, Aparna Krishnan and Sanchit Srivastava performed a skit: An Informed Choice based on Revenge Herself - a story by Lalitambika Antarjanam at an intercollegiate skit competition held at Royal College.
- Ms.Shrutika Shirole (T.Y.B.A.) bagged the first prize in the state-level ‘Kusumanjali Marathi Poetry Competition’, while Ms. Rupali Kambli (T.Y.B.A.) was awarded a consolation prize

- In the Inter-collegiate Youth Festival organized by the University of Mumbai, Ms. Manasi Joshi (S.Y.B.A.) won the first prize in the Marathi Elocution competition. Mr. Saprem Kulkarni (S.Y.B.A.) bagged the second prize in the Story-writing competition. Ms. Geetanjali Rane (F.Y.B.A.) and Mr. Hitesh Rane (S.Y.B.sc.) won a consolation prize in the Marathi Debate.
- In 'Maharashtrastav' organized by Elphinston College, Mr. Sunil Gangawane (T.Y.B.A.) bagged the first prize in an Essay competition. Ms. Geetanjali Rane won the second prize in Marathi Elocution.
- Ms. Geetanjali Rane (F.Y.B.A.) was awarded the second prize in a Marathi Elocution competition organized by the Dadar Sarvajanic Vaachanalay. She has also won consolation prizes in Marathi Elocution competitions organized by Savarkar Pratishthan, Jhunjhunwala College and M.D. College.
- Mr. Swapnil Pange (S.Y.B.A.) bagged the third prize in the 'Sahitya-Sangh Elocution Competition'.
- Mr. Vikram Walawalkar (S.Y.B.A.) was awarded a consolation prize in a state-level Elocution competition organized by Parlekar Sangh.
- Mr. Devendra Pai (F.Y.B.A.) and Ms. Adnya Shinde (S.Y.B.A.) made a presentation on " Mumbai floods" at a competition organized by Sathye college on 28th Nov. 2005, where
- Ms. Adnya Shinde won the third prize.
- Festival- 2005 is an intercollegiate cultural competition organized by the University of Mumbai. Here, in the Literary events, Manasi Joshi was awarded the 1st Prize in Marathi elocution. She was selected to represent the University of Mumbai at the State level Inter University Competition, where she won the 1st Prize in Debate and the 2nd Prize in Elocution. She continued her winning streaking by winning the prestigious State level Inter University PC. Alexander Trophy in the elocution competition held at the University of Pune. Aparna Krishnan and Sanchit Shrivastav bagged the 3rd Prize for the English Debate.
- Our students participated in the National Graduate Physics Examination (NGPE), where four of our students -Siddharth Kasturirangan, Mander Deo, Saurabh Ashtamkar and Abhay Shah - ranked within the top 1 % of the winners at the State Level.
- Our students have actively participated in the "Tele-Conference with the President of India Dr. A.P.J. Abdul Kalam" held at the University of Mumbai.
- Two of our students viz. Mr. Soumya Pal and Mr. Sameer Barve participated in the quiz at the Youth Festival of the University of Mumbai and won the 1st two rounds and reached the finals.
- Two of our S.Y.B.SC. Students, Ms. Daya Devi Nambi and Aarti Nagarajan, participated in a competition organized by the Indian Physics Association (IPA) Ms. Aarti Nagarajan was awarded the Encouragement Prize at the National Level after clearing the Unit Level and State Level competitions.
- Ms. Tejaswini Varade won the 1st prize in an Essay Writing competition organized on account of the International Year of Physics held at Maharashtra College, Byculla.
- At the Brabourne Trophy, an intercollegiate English Elocution Competition organized by the Ismail Yusuf College, Mr. Sanchit Shrivastava and Devendra Pai won the first prize.
- Our students won a number of prizes at the "Sci-Nide" - the science fest organized by Vikas College, Vikhroli - Debate: 1st place, Mr. Ajinkya Kamat & Mr. Sameer Barve, Singing (Karaoke): 2nd place, Ms. Shweta Sohail, Paper Presentation: 2nd place Mr.

Kishan Kumar Sinha and 3rd Place Ms. Aarti Nagarajan & Ms. Madhura Gunye, Crossword: 3rd place, Mr. Manish Pandey, IT Quiz: 3rd place, Mr. Soumya Pal & Mr. Aashish Deogharkar

- A seminar was organized on 6th January 2006, where our students presented papers and projects. The presentations were:
 - "A New Design of a Space Ship" - Kishan Kumar Sinha (F.Y.B.Sc.)
 - "Geomagnetism" - Aarti Nagarajan and Madhura Gunye (S.Y.B.Sc.)
 - "Ground Water: Clearing up the Toxic Mess" - Ajinkya Kamat and Gauri R. (S.Y.B.Sc.)
 - "Futuristic City Construction" - Tejaswini Varade and Team (S.Y.B.Sc.)
 - "Contribution of India to 20th century Physics" - Tejaswini Varade (S.Y.B.Sc.)
- The N. L. Dalmia College of Management Studies recently held their college festival. "Neev 2006" on 18th & 19th January, 2006. A contingent of 11 students from the D. G. Ruparel College were among 90 colleges that participated. The Ruparel team consisted of students from S.Y. & T. Y. B.Sc. (Statistics) & Functional English from the Arts faculty. These students participated in a plethora of events ranging from : Mock CET to AD-Mad, from creative writing to debates. The students from Ruparel walked away with top honours in three of the most prestigious events
 - Debate (Varun Shetty, Jasmine Chavda)
 - Marketing Plan (Varun Shetty, Jasmine Chavda, Sanchit Srivastava, Devendra Pai)
 - Wanna Be CEO (Devendra Pai)

Despite a contingent of only 11 students, Ruparel stood third in the college ranking at the end of NEEV 2006.

Achievements in Extra-curricular Activities

- In Festival- 2005, in the Fine Arts events, Karishma Pandit was awarded the 2nd Prize in Clay modelling. She also won prizes in jewellery designing, painting, soap carving, etc. at various intercollegiate competitions.
- In the music events, Sagar Sathe won the 3rd Prize for his performance in the non-percussion event; but our Indian group song team had to be satisfied with a consolation prize.
- In the Indian Classical dance competition, Aparna Mane was awarded the 2nd Prize at the University level and also at the State level Inter University competitions.
- Five of our students were selected to represent the University of Mumbai at the State and Zonal level Inter University competitions. Kunal Jadhav and Aditya Surte of the One Act Play team and Shivendra Dwivedi of the Quiz team won the first prize at the State and Zonal level Inter University competitions for the University of Mumbai.
- As usual our performance in Theatre events was brilliant. We staged four One Act plays, three in Marathi and one in Hindi. Following are the achievements:
 - HINDI ONE ACT PLAY - 'PAISA VASOOL'
 - 1st Prize at the Youth festival- 2005.
 - Best Actor 1 st Prize - Subodh Khanolkar.
 - 2nd Prize at the IPTA Hindi One Act Play Competition.
 - MARATHI ONE ACT PLAY - 'BALKADU'
 - Consolation Prize at the Youth Festival.
 - 1st Prize at the 'Yuva-amrut' One Act Play Competition

- Best Actor 1 st Prize - Swapnil Phadke.
- Best Actor 2 nd Prize - Ketan Karande.
- Best Director - Adwait Dadarkar
- 1st Prize at the 'Umbartha' One Act Play Competition.
- Outstanding performances - Swapnil Phadke, Aarti Vadgabalkar
- Best Director - Adwait Dadarkar.
- Best Costume and set design - Iravati Karnik
- 3rd Prize at the 'Mrugjal' One Act Play Competition.
- At the INT competitions our Marathi One Act play 'Vadani Kawal Gheta' reached the finals with Bhakti Desai being adjudged as the second best actress.
- THE MARATHI ONE ACT PLAY - 'KAALLOK'
 - 1st prize at the Vidyadhar Gokhale Marathi One Act Play Competition.
 - Best Actress - Veena Jamkar.
 - Best Lighting - Raghu Bangera
 - Best Director - Adwait Dadarkar.

All these plays were directed by our alumnus Adwait Dadarkar, who has been creating waves in One Act Play Competitions for the last two years.

Mr. Sudhir Bhat, noted Marathi play producer invited us to stage 'Balkadu', for his theatre company's Anniversary Celebration function and has also offered to produce it as a full fledged commercial play.

- At the 'Maharashtra Utsav Intercollegiate Competition organized by Elphinstone College our students Manasi Joshi, Karishma Pandit, Kalpita Rane, Prerna Shah, Kasturi Phatak, Sunil Gangavane, Chaitali Phadke, Swapnali Sawant, Dinesh Hatim, and Makarand Sawant have won eleven prizes and the overall championship trophy for the second year in succession.
- At the 'Dalmia Ustav' our students Sanchit Srivastava, Devendra Pal, Amey Khandare, Doli Bhanushali, Sneha Parab, and Diya Nadkarni bagged nine prizes to win the second place in the overall ranking.
- At the 'Malhar' Intercollegiate Competition, our Mime entitled 'Life is Short' won the first prize.
- Our students also have excellent event organizing and management talent. The well planned and professionally executed 'Kshitij-2005' - an intercollegiate festival organized by our Students' Council, was a grand success, where a number of Colleges participated in Rangoli, Mehendi, Solo Singing, Traditional Folk Dance and Marathi One Act Play competitions. The salient feature of the festival was the Marathi One Act Play Competition, where various colleges from Mumbai and Pune participated. Our college is the only college to hold such a competition.
- "Gravity 2005" is a science fest organized by Sathye College, Vile Parle. Our students have secured prizes at various competitions held there -Treasure Hunt: 1st place, Mr. Soumya Pal & Mr. Manish Pandey They completed this event in a record time of only 38 mins while 3 hrs were given for the event, Model Making & Presentation: 2nd place, Ms. Tejaswini Varade & Ms. Madhura Gunye, Debate: 2nd place Mr. Ajinkya Kamat, Mr. Sameer Barve & Ms. Gauri R.
- Our students Mr. Kishan Kumar Sinha (F.Y.B.Sc.) and Ms. Aarti Nagarajan won the 2nd & 3rd Prizes respectively at the poster presentation competition held at K. J. Somaiya College, Vidyavihar.

36. ACTIVITIES OF THE GUIDANCE AND COUNSELLING UNIT:

Considering the hesitation that students feel in opening up to strangers, the teachers provide extensive guidance to the students on both career and personal dilemmas. This is possible due to the open door policy that the teaching and administrative staff of the College adopts. Moreover in case of a severe problem the College makes it point to discuss the issue with the family and/or refer the child to counsellors.

37. PLACEMENT SERVICES PROVIDED TO STUDENTS:

- The Department of Chemistry invited Asian Paints and BASF to conduct campus interviews for students who had completed their post graduation in the June 2005. Following students were selected through campus recruitment - Padmakumar Unny P.K. and Gharat Sushant Shantaram. by Asian Paints and Abhijeet Vishwas Pawar. By BASF.
- The Department of Commerce had invited J.P. Morgan, which recruited ten students after campus interviews in December 2005

38. DEVELOPMENT PROGRAMMES FOR NON-TEACHING STAFF:

- Under the aegis of IQAC a one day workshop on Maintenance and Precaution of Electrical Equipment was conducted for laboratory assistants of the science faculty

39. HEALTHY PRACTICES OF THE INSTITUTION

- The Library saved 17000 out of 20000 books affected by the flood which occurred in Mumbai on 26th July, 2005 and introduced a special methodology to protect the books from fungus and water. This activity was carried out with support from the Zoology and Botany departments and students
- 111 students benefited from the Book Bank facility given to students

40. LINKAGES DEVELOPED WITH NATIONAL / INTERNATIONAL, ACADEMIC /RESEARCH BODIES

- An MOU has been signed with EMC2 a storage management company from the U.S. to start certification courses in the area of storage management, for which equipment and software worth Rs.1 crore was supplied by EMC on a loan basis for conducting this course

41. ANY OTHER RELEVANT INFORMATION THE INSTITUTION WISHES TO ADD:**Departmental Activities**

The Department of English under the aegis of Rupela organised visits to various academic institutions so as to provide a wider exposure to the students. The institutions visited were the Tata Institute of Social Sciences for a talk on research methodology; the DBJ College, Chiplun for a three-day programme entitled Marasim: A Bond Across Miles where students made presentations, enacted plays and interacted with the students and staff of the College and the American Center for a screening and discussion on two films related to the syllabus

entitled: Voices and visions: Sylvia Plath and The Grapes of Wrath and a familiarisation with the use of reference books and material from the library.

On 8th December 2005 the Department of Geography arranged a one-day field trip to the geomagnetic observatory at Alibaug.

The Department of History conducted a study tour to the Prince of Wales Museum to acquaint the students with the cultural heritage of India.

The Department of Political Science had organised visits to some city-based educational institutions, which included the Library of the American Centre, The Tata Institute of Social Sciences, Deonar for a discussion on Research Methodology and the Rambhau Mhalgi Prabodhini, Uttan [Dist. Thane] for an exposure to training about politics as a career.

Fifty students of T. Y.B. Com. visited the Bombay Stock Exchange.

A mobile repair workshop of duration one week was conducted by the Department of Physics in the month of November 2005.

In the year 2005-2006 the research group of the Department of Zoology has performed testing on 30 samples for the antiangiogenic activity for Nicolas Piramal pharmaceutical, Mumbai.

Achievements of the Teaching Staff

- Dr. Madhuri Panshikar from the Department of Marathi
 - Has judged the 'Kharkar Essay Competition'.
 - Her review of 'The Alchemist' was aired on Radio.
 - She has been giving lectures on 'Dasbodh' at State Bank Colony, Mahim since a year.
 - She was appointed as an examiner of the examination held for Non-Marathi gazetted officers.
 - She worked as a judge for the state-level 'Kusumanjali Poetry Competition'.
- Dr. Nandani Diwan from the Department of Psychology published a laboratory manual for T.Y.B.A. manual for T.Y.B.A students in 2005.
- Ms. Neeta Tatke from the Department of Psychology was appointed as Competition Director for the Inter Collegiate Yoga Championship held on August 2005 She also demonstrated Jal-deepsana during the inauguration of the Mumbai festival.
- Mr. Rajendra Sardesai from the Department of Accountancy is a visiting faculty at Jamanalal Bajaj Institute of Management.
- Dr. (Mrs.) R. S. Manjrekar from the Department of Chemistry visited the Material Testing Laboratory Worlee-Chem, Frankfurt, Germany, to learn about the latest innovations in and techniques on 'Polymers and their use in Construction Chemicals' in November 2005. She also attended the ACI Fall Convention, Kansas City, USA, November 2005, where she gained useful insights on Electrochemical treatment to stop

corrosion by techniques such as Cathodic Protection, Galvanic Protection and Electrochemical Chloride Extraction (ECE). She also interacted with four International Universities in the U.S., namely the Illinois Institute of Technology, Chicago, Rochester Institute of Technology, Rochester, Rensselaer Polytechnic Institute, Albany, New York and Lewis University, Chicago in November, 2005.

Publications

- Dr. Madhuri Panshikar from the Department of Marathi
 - An article entitled Dynaneshwaraanchya Abhangaatil Vitthal' in 'Baaprakhumadevivaru'.
- Dr.(Ms.) N. R. Pai from the Department of Chemistry
 - Simultaneous Estimation of some antiretroviral drugs from tablets by reverse phase HPLC. Indian drugs 42(10),October, 2005
 - Synthesis and antibacterial screening of N-[naphtho[1,2-b]pyrano[3,4-d]thiazol-8-yl] spiroindoloazetidid-2-ones/thiazolidin-4-ones., Indian Journal of Chemistry, Communicated,10/12/2005
 - Barbiturates and 2- hydro-3,4,6- trioxofuro(4,5-d) pyrimidines via sulfonyl urea-synthesis and biological activity., Heterocyclic Communications., Communicated, 10/12/2005
 - Azitidinones, thiazolidinones and oxadiazolines via nitrofurans – synthesis and antibacterial activity., Journal of medicinal chemistry., Communicated, 10/12/2005
 - Synthesis and antibacterial activity of naphopyran derivatives., European Journal of Medicinal Chemistry., Communicated, 10/12/2005
 - Reactions and antibacterial activity of 8- substituted -4- chloro – 2 methy -1,5 – Benzothiazepines., Heterocyclic communications,
 - Synthesis and antidiabetic activity of novel thiazolidin-2,4-diones., Canadian Journal of Chemistry, Communicated, 10/12/2005
- Dr. (Mrs.) U. P. Halkar from the Department of Chemistry
 - Synthesis and application of novel 4,5,6,7 – tetrahydrobenzothiazole based azo disperse dyes, ARKIVOC 2005 (XIII) 141 -149.
- Dr. M. M. Grampurohit from the Department of Chemistry
 - Determination of Related Compound and Degradtes of Trandolapril Using A Stability Indicating Reverse Phase H.P.L.C., Indian Drugs, published in August 2005.
 - Synthesis, Characterization and Gas Chromatographic Determination of 4-(2-Methoxy Ethyl) Phenol, and Intermediate of Metoprolol., Indian Drugs, January 2006.
 - Use of N,N-Dimethyl Aniline as an Internal Standard for Quantification of Organic Compounds like 1-(2-Methoxy Ethyl) -4-Nitrobenzene, (2-Aminoethyl).Benzene and 1-(2-Amino Ethyl) Cyclohex-1-Ene,Using Gas Chromatographic Techniques., Indian Drugs, submitted June 2005.
- Dr. D.A.Shanbag from the Department of Chemistry
 - Books in Chemistry for T.Y.B.Sc students published by Saujanya Prakashan.
 - Inorganic Chemistry, 12th Edition, November 2005

- Pathway of Analytical Chemistry, 7th Edition, January 2006
 - Organic Chemistry, 8th Edition, January 2006.
 - Physical Chemistry, 3rd Edition, January 2006
 - Path of Chemistry, 27th Edition, March 2006
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- Dr.(Mrs.) R. S. Manjrekar from the Department of Chemistry
 - Rehabilitation and Waterproofing of Water Retaining Structures- Effective Use of Construction Chemicals – Case study communicated to New Building Materials and Construction World., New Delhi
 - Corrosion Mitigation – Futuristic Trends- Extraction of Chlorides and Sacrificial Anodes, Communicated to NCE-13, CECRI-Karaikudi.

 - Dr. Ganesh S. Pathre from the Department of Chemistry
 - Novel Mesoporous Solid Superacidic Catalysts: Activity and Selectivity in the Synthesis of Thymol by Isopropylation of m-Cresol with 2-Propanol over UDCaT-4, -5, and -6 J. Phys. Chem. A 109 (2005) 11080-11088
 - Novelties of a superacidic mesoporous catalyst UDCaT-5 in alkylation of phenol with tert-amyl alcohol., Applied Catalysis A: General 297 (2006) 237–246
 - Chemoselective catalysis by sulphated zirconia in O-alkylation of guaiacol with cyclohexene., Journal of Molecular Catalysis A: Chemical 243 (2006) 77–84
 - Novel mesoporous solid superacids for selective C-alkylation of m-cresol with tert-butanol., Microporous and Mesoporous Materials 89 (2005) 16–24
 - Efficacy of Ion exchange resin in selectivity: Alkylation of Guaiacol with cyclohexene., Forwarded revised edition to Industrial and Engineering Chemistry Research
 - Zirconia Modified Superacid UDCaT-5: An Efficient and Versatile Catalyst for the Alkylation Reactions under Solvent Free Condition., Forwarded to Chemical Communications

Papers submitted for publication

- Antiangiogenic activity of a sterol from the cephalopod *Loligo duvauceli* d'Orbigny
Reena Pandit, Sujala Pathare and Madhavi Indap
Submitted to Marine biotechnology
- Defining the role of angiogenesis in human health and diseases: a review
Reena Pandit and Madhavi Indap
Submitted to Indian journal of Pharmacology
- Effect of Bombay High crude oil and its fractions on growth and primary productivity of the phytoplankton
Sushama parab, Reena Pandit and Madhavi Indap
Submitted to Indian journal of Marine Science
- Effect of Bombay High crude oil on phytoplankton biomass
Sushama Parab and Madhavi Indap
Submitted to Mahasagar Bulletin

Student activities

The postgraduate students of the Department of Zoology have undertaken numerous research projects, the details of which are as follows

- Research projects by M. Sc. I students
 - Mahadik Gauri, Bhandari Kavish and Nikam Sunita: Antibacterial activity of chloroform extract of leaves of *Leucas aspera*
 - Antibacterial activity of petroleum ether extract of leaves of *Leucas aspera*: Mishra D'vya, Shaikh Heena, Dhuri Lalitagauri
 - Antibacterial activity of methanol extract of leaves of *Leucas aspera*: Cheryl Carrea, Leo Aruldas, Rakesh Gorivale
- Research projects by M. Sc. II students (Animal physiology) students
 - In vitro evaluation of immunomodulatory activity of *Leucas aspera* extracts with reference to Phagocytosis: Babita Balkrishnan, Juhi Sharma, Suprbha Parab, Ujjwala Nikambe
- Research projects by M. Sc. II (Marine Zoology) students
 - Comparative account of biodiversity of phytoplankton from Marve and Uran-Ransai creek Shradha Mhatre, Sadhana Patil, Rashmi Sawant

Achievements of the Library

The Library organised the following programmes

- BOOK EXHIBITIONS
 - Kakad aarati te shejarati on January 10, 2006 in Room No 2 Science
 - Books about Mumbai University and UGC during the visit of Pro Vice Chancellor of the University in February 2006.
- Art to Art Programme from December 5 to December 7, 2005
- Dr Pradip Karnik held a reader orientation lecture organised by the Department of Politics on the subject of Library Science and Library administration on January 31, 2006
- Grantha Tulas : 31 Titles for the year 2005-06

Part C

DETAIL THE PLANS OF THE INSTITUTION FOR THE NEXT YEAR

- Introduction of interdisciplinary programmes
- Acquisition of more books for the Faculty of Science : we need to separate out the data on Science books from the library and then purchase books as per the need
- Increase in the use of modern teaching methods : Although this is being enforced by some departments, the base of it needs to be widened
- Regular maintenance and repair and upgradation of infrastructure : The College needs to generate funds and gradually take up the upkeep of the buildings in phases
- Increase in research activities, minor/major research projects and collaborative research programmes : A larger number of teachers need to be channelised into taking up research projects
- Constitution of a Committee to gather data on funding agencies
- Organisation of seminars and workshops: A larger number of intercollegiate seminars and national level seminars need to be organised by the College.
- Visits to University Departments and Advanced Centres of Learning Although this is being enforced by some departments, the base of it needs to be widened
- Taking up of consultancy services
- Conducting coaching classes for competitive examinations
- Better networking with the alumni : the Alumni Association needs to be formalised
- Formalisation of the counselling cell
- Setting up of the placement cell
- Strengthening of the institution-industry linkages
- Formalisation of the Parents-Teachers Association
- Introduction of examination reforms
- Provision of incentives to sportspersons by getting sponsorship

Dr. Tushar Desai
Coordinator, IQAC

Dr. P. M. Sule
Chairperson, IQAC



The D. G. Ruparel College
Internal Quality Assessment Cell (IQAC)

2005-2006

Principal Dr. P. M. Sule	Chairperson
Mr. G. Y. Raosaheb	Vice Principal
Dr. Pradeep Kulkarni	Vice Principal
Dr. Ajit Naik	Teacher Member
Dr. Nandini Pai	Teacher Member
Dr. Madhavi Indap	Teacher Member
Dr. Prakash Salvi	Teacher Member
Dr. Nandini Diwan	Teacher Member
Ms. Preeti Shirodkar	Teacher Member
Dr. Pradeep Karnik	Librarian
Ex-Prin. A. P. Pradhan	Member from Management
Mr. Subhash Dandekar	Nominee, Local Society
Dr. Tushar Desai	Coordinator (Teacher Member)

The D. G. Ruparel College
OF ARTS, SCIENCE AND COMMERCE
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