



Vidya Prasarak Mandal's

B. N. BANDODKAR COLLEGE OF SCIENCE

Thane 400 601.

NAAC Accredited : B++

**The Annual Quality
Assurance Report
(AQAR)
of the IQAC**

Year : 2005 - 2006

The Annual Quality Assurance Report (AQAR) of the IQAC

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Part A:

What is the plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and what is the outcome by the end of the year?

At the beginning of the academic year 2005-2006, we chalked out the plan in QAC and IQAC meetings towards quality enhancements:

- To continue with the practice of preparing yearly calendar before the beginning of the academic year and implement it seriously.
- To continue with ongoing projects yoga classes, 'College-School Complex' activity, 'Science Square' activity.
- To continue with the strategy of conducting A.T.K.T. examinations in the month of August.
- To continue with the policy of encouraging students and teachers to participate in seminars and workshops.
- Try to improve academic excellence in college and university examinations.
- To set up well equipped library.
- To collect Department / committees reports by emails.
- To arrange some interdepartmental programmes.
- To have National Conference as apart of Centenary celebration of great scientist Albert Einstein.
- To conduct some programme on stress management for students.
- To arrange the programme / lecture for teachers on quality improvement of teachers.
- To arrange programme for non-teaching staff.
- To present mini research projects and the research work done in our college to industry peoples in the month of February 2006.

- To make efforts for raising funds by setting donor's club.

Based on this we have the following outcome achieved in the academic year.

- The entire calendar was ready in the beginning of the academic year showing Schedule of examinations, Club activities, Sport and Cultural activities, HOD meetings, QAC and IQAC meetings, College committee meetings etc. We followed the calendar very strictly to the best possibility. (Copy of the calendar is attached at the end)
- The meetings of IQAC, QAC, Heads of the departments and club coordinators were conducted regularly to take review of all the activities planned at the beginning of the year.
- This year also Mathematic and Statistics departments have conducted Terminal Examination in addition to Preliminary examination for T. Y. B. Sc. Classes as was done in the previous year. Students have responded well.
- Like last year this year also A.T.K.T. Examinations were conducted in the month of August. Hence there were very few failures in the A.T.K.T. examination.
- A three-day Workshop on Statistics for Biology teachers and a three-day conference on Einstein's theories, were organized.
- A lecture on "stress management" was arranged for students.
- A lecture on 'Best Practices in Teaching Profession' was arranged for our teachers.
- A lecture for non-teaching staff was arranged. Mrs. Sushama Paudawal (Librarian of S.N.D.T. University) spoke on 'How to accommodate with changing work culture'

- Web –Net committee is formed to update our web site as well as to give publicity in media.
- Our library is shifted to new area as planned and is made well equipped.
- This year all Committee reports and Departmental reports were collected through e-mails.

Most of the programmes chalked out at the beginning of the year could be completed except a presentation of the research projects to industry people and to set up a donor's club.

National seminar on “Einstein’s theories and Present Scenario” 17th -19th November 2005



Workshop by Statistics Department

“Statistics for Non – Statisticians”

27th -29th September 2005



NATIONAL INTEGRATION CAMP (N.C.C. camp) 28th Oct.-8th Nov. 2005



Part B:

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

Ans: ➤ Our vision and mission statement is

Vision: Imparting quality education in science.

Mission: To mould students into rational thinkers, competent workers and socially aware citizens.

To achieve our goal, all the departments and committees put continuous efforts, by conducting various programmes in addition to its regular academic schedule as prescribed by the University.

Following are some such major programmes conducted in our college in the academic year 2005- 2006.

1. **National Seminar:** The Department of Physics along with Marathi Vidnyan Parishad, Thane, had organized UGC sanctioned three days National seminar on “Einstein’s Theories and Present Scenario”.
2. **Workshop:** Three days workshop was conducted by Department of Statistics for Non – Statisticians.
3. Through **Cultural association** various cultural activities, workshops and contests were organized. Our Students participated in various Inter Colligate Competitions.

4. Through **Magazine Committee various** competitions were held. At the end of the year we have published comprehensive magazine “Sanyuja”.
5. Various **N.C.C.** and **N.S.S.** Programmes like tree plantation, blood donation, participation as volunteers in Ganapati immersion programme, water conservation schemes along with NGO Hariyali were organized.
6. **NATIONAL INTEGRATION CAMP (N.C.C.)** was conducted in our college from 28th October 2005 to 8th November 2005. Boys and girls from NCC units, all over India, gathered in our college campus for cultural exchange between different states of India and to study cultural heritage of Maharashtra.
7. **Club activities** of various departments in which eminent speakers were invited. Seminars, Lecturers and Exhibitions were held.
8. **Campus interviews** were conducted for placement of Apex Ltd., Mayer Vitabiotics, ICICI Prudential, Tata AIG, Infosys and L& T Infotech. ‘English Speaking course’ was conducted by Employment cell.
9. **Yoga** training classes were held free of cost, from July 2005 to October 2005 (every Fri & Sat) for 30 participants and from November 2005 to January 2006 (every Wed & Sat) for 25 participants.

- 10 Excursions:** Long and short excursions are a part of our Zoology and Botany syllabus. In this, the students visit many National parks & sanctuaries; they observe flora and fauna, different life styles of countrymen, important monuments and national heritage. This help to develop healthy relation between the student and teacher other than the study in fields.
- 11 College School - Complex programme:** Under this scheme we guide to various schools to make their science projects for the children science congress competitions and to satisfy the thirst of school children to gain more knowledge to some extent.

In all these activities students from our college participate actively.

All these activities make our students self-reliant and bold, and teach them Work Ethics, prepare them to absorb complex socio-economic and cultural environment to meet the future challenges.

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

Ans: ➤ College is running B.Sc. (I. T.) a self-financing course since 2001-2002. In continuation college had started M. Sc. (I.T.) part I in the academic year 2004-2005 and M. Sc. (I.T.) part II this year i.e. 2005-2006.

Q. 3 Innovations in curricular design and transaction:

Ans: ➤ Number of the Staff members, are members of Board of Studies, faculty of Science and syllabi committees. They contribute in reframing the syllabus.

Q. 4 Inter disciplinary programmes started

Ans: Ours is single faculty college, we conduct interdepartmental programmes. Following are the activities conducted during this academic year.

- Mrs. K.D. Phal from Statistics Department delivered the lecture on 'Introduction to Biometry' to T.Y. B.Sc. Botany students on 24th June 2005.
- Three days workshop was conducted by Statistics Department on 27th to 29th September 2005 for Non – Statisticians. Along with Statistics teachers Dr. (Mrs.) M. S. Mulgaonkar and Dr. N. S. Tekale from Botany Department, Dr. (Mrs) N. N. Patil and Dr. R. P. Athalye from Zoology Department have worked in the Organizing committee.
- IT department on 1st October 2005 organized a workshop on Linux, for teachers and non-teaching staff of our college.
- An interdisciplinary project on "Analysis of Ash from Biomedical Waste" was done jointly by Chemistry and Zoology Departments. Dr. Anita Goswami from Chemistry department guided T. Y. B. Sc. Zoology students.

Q. 5 Examination reforms implemented:

Ans: We continued the policy of conducting A.T.K.T. examination in the month of August. As a result we observed that many students could clear their subjects.

In order to improve the results in T.Y. B.Sc. Class Mathematics and Statistics departments conducted terminal examination in addition to preliminary examination for T.Y. B.Sc. students. All the students took it seriously and performed well in the examination.

Q. 6 Number of Candidates qualified: NET/ SET: -

Ans:

	Till 2004-05	In the year 2005-2006
NET / SET	4	-

Q. 7 Initiative towards faculty development programme

- Ans:
- Department of Information Technology conducted second workshop on Linux on 1st October 2005, sixteen teaching and non-teaching staff attended the workshop.
 - Department of Statistics conducted three days workshop mainly for Biologists. All the teachers from Zoology and Botany department attended the workshop.

- Mr M.S. Pathak has attended refresher course for Librarians at Jaykar Library, Pune University from 28th November to 18th December 2005.
- Mr. S. G. Bapat and Mrs. S. S. Meshram have attended refresher course in Physics at Staff Academic College, University of Mumbai from 7th Dec. to 27th December 2005.
- Mrs. S.N. Joglekar has attended refresher course in Mathematics from 3rd March to 25th March 2006 at Staff Academic College, University of Mumbai and secured 'A' grade.
- Mr. A. A. Kale participated in the Faculty Development Programme conducted by Accenture Services Pvt. Ltd, Vikroli on 24th & 25th February 2006.

Q. 8 Total number of Seminars/Workshops conducted.

Ans: **National Conference (1)**

➤ Three Day Conference on "EINSTEIN'S THEORIES AND PRESENT SCENARIO" was arranged by Department of Physics and Marathi Vidnyan Parishad Thane Vibhagh on 17th, 18th & 19th November 2005. As a part of this conference following competitions were held.

1. Power point presentation " Life and work of Einstein "
2. Essay on "Einstein's Thoughts on Science, Society & religion."
3. Science fiction based on "Einstein's Theories."

Prof. Jayantrao Narlikar Emeritus professor, IUCAA Pune, was the chief advisor for the conference. Eminent Scientists from reputed institutes like TIFR, IIT, BARC, IUCAA, University of Mumbai delivered talks on papers published by Einstein and its impact on the present development in science & technology. Over 225 delegates from all over India attended the conference.

Popular lecture by Prof. Jayantrao Narlikar was arranged for citizens of Thane at Gadkari Rangayatan, Thane, on 17th November 2005. Two Thousand five hundred persons including School children from Thane city, College Students and citizen's from Thane city attended the lecture.

The star gazing programme with five telescopes was held on 17th November 2005 at 9.00 p.m. on our college terrace. About 300 students attended this programme. Mr. D. K. Soman vice president of Marathi Vidnyan Parishad and an eminent astrologer gave a popular lecture.

Exhibition on "Life History of Einstein" was arranged in the Physics Department along with Indian Planetary Society, Mumbai.

University Level Workshop (1)

- The Department of Statistics had arranged three days workshop from 27th to 29th September 2005 for Non – Statisticians. The theme of the workshop was "Statistics for Non–Statisticians". Around 42 Mumbai University teachers, teaching the subject other than Statistics and 25 students from various institutions registered for workshop.

Mr. A. P. Patil (H.O.D. Stats. Dept), Mrs. M. J. Gholba, Mrs. S. M. Phatak and Mrs. K. D. Phal all teachers from Statistics Department of our College worked as resource persons and tried to make the subject easy and interesting. All the participants really appreciated such an effort in their 'feed-back' and even demanded for refresher course in Biostatistics.

College Level Workshop (For Teaching and non-teaching staff)

- A workshop was organized on Linux by IT department on 1st October 2005. Mr. A. A. Kale faculty from the department was the resource person.

Workshop for College students

- Cultural Association had organized a workshop on mimicry and mono acting on 25th August 2005 and a workshop on Dancing on 1st October 2005, reflecting the goals and objectives of enhancing the skills among students even in such fields.
- "Seminar Competition" was held for students of F. Y. B. Sc., S. Y. B. Sc. and T. Y. B. Sc. by Mathematics club "SIDDHANT" in the month of December 2005, on the occasion of the birth anniversary of India's greatest Mathematician Srinivasa Ramanujan. The students were asked to prepare and give Seminar on the topic, which is not covered in their course. There was good response from the students

Q. 9 Research Projects**Sanctioned Project**

Department	Project Title	Sanctioned by	Cost. Rs.	Duration	In-Charge Staff
Botany	Collection, cultivation and conservation of rare and endangered species of Orchids in an Orchadium collected from Thane and its adjacent regions .	University of Mumbai	35,000/-	1 Year	Dr (Ms) M.S. Mulgaonkar

Completed Project : Till academic year 2003 – 2004 : 06

In academic year 2005 – 2006

Department	Project Title	Sanctioned by	Cost. Rs.	Duration	In-Charge Staff
Zoology	Comparative study of butterflies from urbanized zone, degraded forest and core forest in and around Thane city.	University of Mumbai	10,000 / -	1 Year	Dr. Ms. P. N. Kurve
Zoology	Effect of pollution on mudskipper fishery of Ulhas river estuary with special reference to biology of <i>Boleophthalmus dussumiori</i> .	University of Mumbai)	15,000 / -	1 Year	Prof. S. D. Rathod.

Q.10 Patents generated, if any

Ans: Nil

Q.11 New Collaborative Research Programmes:

Ans: Nil

Q.12 Research Grants received from various agencies:

Ans: ➤ Department of Botany received Rs. 35,000 /- from University of Mumbai for Minor Research Project.

Q.13 Details of Research Scholars

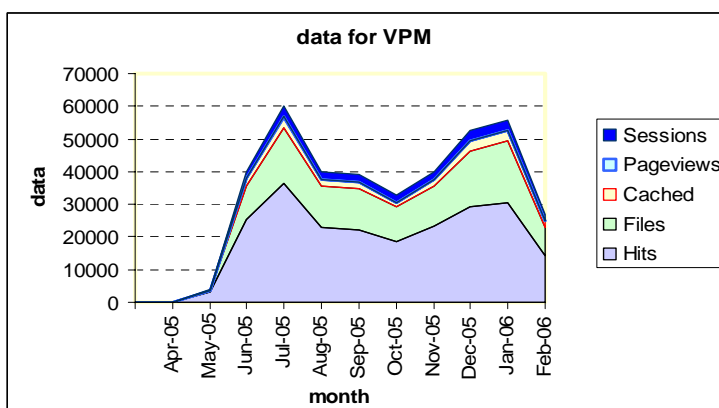
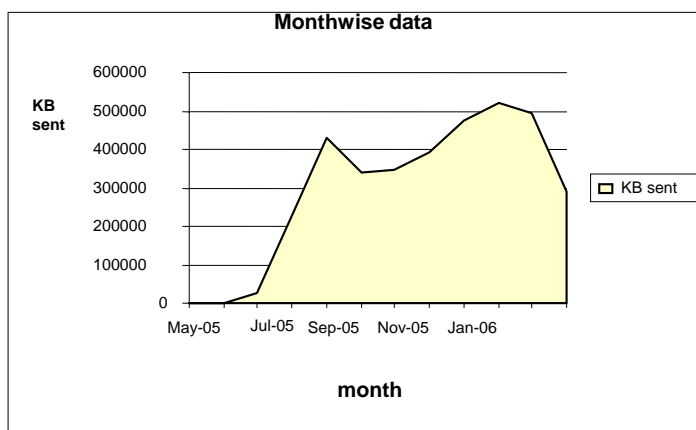
Ans:

Number of Research scholars	Subject	At PG by Research	For Ph.D	Name of the guide
6	Zoology	-	1(YCMOU) 1 (M.U.) 3 (M.U.) 1 (M.U.)	Dr. (Mrs) M.K. Pejaver Dr (Mrs)N.N. Patil Dr R..P. Athalye Dr. (Mrs) S..V. Mahajan
-	Botany	-	-	Dr. (Mrs) M.S. Mulgaonkar Dr N.S. Tekale Dr. M. J. Kolet Dr. (Mrs.) M. Saha
2	Chemistry	2 (M.U.)	-	Dr. A. N. Bedekar Dr. M. V. Ratnam
-	Physics	-	-	Dr. M. N. Nyayate

YCMOU – Yeshavantrao Chavan Maharashtra Open University, M.U.- Mumbai University.

Q.14 Citation Index of faculty members and impact factor:

Ans: The data on citation index was collected from May 2005. Data for VPM web site (Managements' web site for all the Institutes) is as follows:



Month	Hits	Files	Cached	Page wise	Sessions	KB sent
Apr-05	0	0	0	0	0	0
May-05	3248	280	79	0	498	27583
Jun-05	25254	10328	2499	58	1614	225778
Jul-05	36533	16887	3322	121	3379	429082
Aug-05	22794	12896	1839	134	2132	339668
Sep-05	22108	12552	1968	108	2533	346357
Oct-05	18431	10924	1083	123	2439	391121
Nov-05	23296	12248	2090	128	2283	474014
Dec-05	29288	17044	3056	172	3042	521846
Jan-06	30563	18866	3054	153	3171	495699
Feb-06	14101	9027	1645	91	1962	289069

Soon the software will be modified so we can get citation index for our Science college separately. Announcements of seminars / workshops & some new achievements are seen also on VPM's web site hence citation index of this site is also important.

Q.15 Honors/Awards to the faculty

Ans **Department of Zoology**

Principal Dr. (Mrs.) M.K. Pejaver.

- Presented a research paper “Conservation and management of freshwater bodies, strategy to overcome water problem” in IWP sponsored regional workshop on 22nd and 23rd April 2005 at Hyderabad.
- Was conferred the fellowship in recognition of her outstanding contribution towards the advancement of aquatic biology in particular and ecology and environment in general in IWP sponsored regional workshop on 22nd and 23rd April 2005 at Hyderabad.
- Selected as member of advisory committee on “Non conventional energy resources by Government Of India” on 14th November 2005.
- Was Invited as chief guest
 1. For prize distribution ceremony of S.S.C. & H.S.C. toppers by Rotary Club of Thane North End on 12th July 2005.
 2. For prize distribution ceremony of “Paryavaran Shibir” organized by HOPE, NGO from Thane.
 3. On 5th September 2005 (Shikshak din) in Samarth Sewak Mandal Thane.
 4. For prize distribution ceremony by Rotary Club of Thane Midtown on 23rd October 2005.
 5. For career guidance workshop in ICLE’s M. J. College Vashi, on 10th February.

- Delivered a lecture on
 1. “Enjoy the nature” in Rotary club of Thane on 30th August 2005.
 2. “Water Conservation” in N.K.T.T. college, Thane, on 14th Sept 2005.
 3. “Importance and Necessity of vigilance” for participants during NCC National Integration Camp.
 4. “Enjoy the nature” in Rotary club of Panvel on 26th November 2005.
 5. “Natural impact of Human activities” at two days workshop on ‘Training of teachers for Environment Education in schools conducted by HOPE.
 6. “Household waste and biocomposting / vermicomposting” during workshop at VPM’s Polytechnic College on 10th March 2006.
- Nominated as Vice-Chancellor’s Nominee on selection committee for placement of teachers in zoology, on 3rd December 2005 in Joshi Bedekar College Thane.
- Selected as member of advisory committee to conduct three day National seminar on “Healthcare Waste Management” to be conducted by Enviro-vigil and Thane Municipal Corporation jointly.
- Was appointed as a referee for viva-voce examination of Ph.D. candidate in M.S. University Baroda on 3rd March 2006.
- Worked as the convener for
 1. The three days National Conference on “ Einstein’s Theories & Present Scenario” which was arranged by Department of Physics and Marathi Vidnyan Parishad Thane Vibhagh on 17th, 18th & 19th November 2005.
 2. The three days workshop “Statistics for Non–Statisticians” conducted by Statistics department of our college on 27 to 29th September 2005.
 3. The workshop conducted by Jidnyasa Trust, Thane on 19th March 2006 on “Biodiversity”.

Dr.(Mrs) N.N.Patil

- Was invited as subject expert in
 1. Sathaye College Mumbai, on 30th Nov.2005.
 1. Ratnam College, Bhandup, on 16th Dec 2005.
 2. K. V, Pendharkar college, Dombivali, on 2nd Dec 2005
 3. Motilal Jhunjunwala College Vashi on 2nd Dec 2005.
 4. Sonopant Dandekar College Palgha on 30th Jan 2006.

Dr.R.P.Athalye

- Delivered a lecture at HOPE, NGO from Thane on “Status of Pollution in Thane creek” on 25th June 2005.
- Worked as subject expert in zoology for the interviews for placement of teachers of the following colleges
 - 1 Jhunjunwala college of Arts, Comm. Science.
 - 2 K. V. Pendharkar College, Dombivali.
 - 3 Ratnam College of Arts Comm. And Science, Bhandup
- Was invited as paper setter in subjects Biostatistics and Mammalian Physiology, for Padmashree D. Y. Patil. Vidyapeeth on 12 November 2005.

Dr. (Mrs) P. N. Kurve

- Was invited as a judge for Mehendi Competition arranged by WWF during Panda Festival of Environment held at Maharashtra Nature Park, Mumbai on 16th December 2005.
- Delivered a lecture on ‘Butterflies, Identification and Ecology’ at Royal college of Arts, Science and commerce, Mira Road, on 12th December 2005.

Mr. S.D. Rathod

- Delivered a lecture at HOPE, NGO from Thane on 'Pollution in Ulhas river estuary and its effect on fishery' on 24h Sept 2005.
- Was invited as a judge for Rangoli Competition arranged by WWF during Panda Festival of Environment held at Maharashtra Nature Park, Mahim, Mumbai on 15th and 17th December 2005.

Dr. (Mrs) V.D.Manjramkar

- Was invited as chief guest by N.C.C. unit of Birla college and Rotary club of Kalyan to deliver a lecture on " Plastic and Thermacol as curse or boom" on 5th August 2005.
- Was invited as chief guest by Rotary club of Kalyan on 14th September 2005, to speak on "Menace by plastic and Thermacol".
- Worked as Officer in charge for events and delivered lectures on topic 'Health & Hygiene and Infectious Diseases' in National Integration Camp held at B. N. Bandodkar college of Science by N.C.C. Battalion, B Mumbai.
- Delivered a guest lecture in Salvi College Kalwa on "Genetics" on 6th February 2006.

Dr. Kiran Pariya

- Was awarded Ph. D degree by Mumbai University and DIM (Diploma in Management) by Indira Gandhi Open University.
- Was invited as guest lecturer by Salvi college of Arts, Science and commerce, Kalwa to give series of lectures in Bioinformatics in July and August 2005.
- Was invited at Andrews College Bandra, on 11th September 2005, to guide the students appearing for Biotech entrance examination.

Department of Botany

Dr. (Mrs.) M. S. Mulgaonkar (Head of the Department)

- Is recognized as a guide for Ph.D. degree in Botany with effect from 26th May 2005.
- Has worked as a judge for Dr. D. V. Amonkar Intercollegiate elocution contest on 16th July 2005, in Ram Niranjana Jhunjhunwala College, Ghatkoper.
- Was invited as a Subject Expert on the selection committee to select Lecturers in Botany at Birla College of Arts Science and Commerce, Kalyan on 27th August 2005.
- Was the member of Organizing committee for the National Seminar at Wilson College on 23rd -24th September 2005.
- Was invited to work as a judge for a Seminar in Dnyansadhana College, Thane on 7th December 2005.
- Was invited to work as a judge for 'Personality Contest' on 22nd December in Science festival SCI-NIDE in Vikas College of Arts and Commerce, Vikroli, Mumbai.

Dr. N. S. Tekale

- *INTERNATIONAL RECOGNITION* – In 2005 he was conferred with an honorary appointment to the Research Board of Advisors for "The American Biographical Institute."
- Delivered a lecture on 'Malnutrition in Tribal children' in the programme of K. B. Deshpande memorial lecture in Department of Botany, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, on 5th September 2005.

- Was invited as a co-opted member on Board of Studies in Botany, Shivaji University, Kolhapur.
- Was invited as a resource person for the Refresher Course in Environmental Science, in the Department of Environmental Science, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad. on 5th September 2005.
- Delivered a guest lecture in Rotary club of Thane (W) on “Status of NGO – Navdrusthi” on 5th October 2005
- Was invited to work as a judge for ‘Nutrition’ on 22nd December 2005, in Inter collegiate Science festival SCI-NIDE in Vikas College of Arts and Commerce, Vikroli, Mumbai.
- Was nominated as a Subject Expert on the selection committee for the placement of Lecturers in Botany at Motilal JhunJhunwala College, Vashi, on 22nd December 2005.
- Was Organizing secretary for the workshop on ‘Opportunities in Horticulture’, conducted by Advanced Study Centre of VPM Thane.

Dr. M. J. Kolet

- Was invited as a Subject Expert on the selection committee at
 1. Manisha Vidyalaya on 24th June 2005.
 2. K. C. College on 25th September 2005.
 3. BNN College, Bhiwandi. on 24th Nov 2005.
 4. ICLE's M JhunJhunwala College, Vashi (Navi Mumbai) on 2nd Dec 2005.
 5. K M Agrawal College, Kalyan, on 3rd Dec 2005.
- Was invited on 21st December 2005 as at judge in inter-collegiate Science festival. SCI-NIDE organized by Vikas College, Mumbai for Inter-collegiate Quiz-Competition.

- Chaired a session on oral paper presentation at UGC and Univ. of Pune sponsored National Seminar on 'Recent Advances in Botany and conservation of Biodiversity', organized by Rayat Shikshan Sanstha ASC, Hadapsar, Pune – 27th to 29th January 2006.
- Was invited to judge and evaluate the Research Projects for Maharashtra State level, Dr. Homi Bhabha Bal Vaidnyanik(Young Scientist) Competition on 12th March 2006 and to give an opinion about reports at Prize Distribution function at Gadkari Rangayatan, Thane on 19th March 2006.
- Delivered a guest lecture on
 1. 'Applications of Fungi in Solid Waste Management' in Rotary club project.
 2. "Recent Trends in Biology" at Smt. Salvi College.
 3. "Awareness and misconceptions regarding HIV and AIDS" for participants during NCC national integration camp.

Dr. (Mrs.) M. Saha

- Is recognized as a teacher of the University for M. Sc. by Research degree in Botany with effect from 26th May 2005
- Was invited to conduct lectures on Molecular Biology and Genetic Engineering for M. Sc. part I Biotechnology students for the year 2005-2006 at Birla College of Arts Science and Commerce, Kalyan.
- Was invited to guide the students for M. Sc. part I Biotechnology project "*In vitro culture studies in Carnation*".
- Has been nominated as a Subject Expert on the selection committee for the placement of Lecturers in selection grade on 3rd December 2005 in Joshi Bedekar College Thane.

Department of Chemistry

Mr. S.G. Medhekar (Head of the Department)

- Was invited as a subject expert on the selection committee at
 1. JSM College. Alibag, (Dist. Riagad).
 2. Dynansadhana College, Thane,
 3. Vartak college, Vasai
 4. Ratnman College, Bhandup
 5. Menon College, Bhandup

Mr. V.M. Phegade

- Was invited as a subject expert on the selection committee at
 1. Salvi College, Kalwa
 2. ICL College Vashi.

Mrs P.P.Karnik

- Was invited as a subject expert on the selection committee at
 1. ICL College, Vashi
 2. Dynansadhana College, Thane.

Mrs M.M.Ranade

- Worked as a subject expert on the selection committee for Vartak College Vasai.

Dr. Atul Bedekar

- Worked as a subject expert on the selection committee for selection of University Lecturer at S.N.D.T. University.
- Has been selected as a member of the advisory Board on 'Asian Chitin Journal' published by SSM International Publication.

Mrs V.V. Mahajan

- Was invited to work as an examiner for M. Sc. examination of S.N.D.T. University.

Department of Physics

Mr. V.D. Golatkar

- Worked as co-convener for three days National Seminar conducted by Physics department.

Dr M.N. Nyayate

- Is recognized as a guide for M. Sc (by research) and for Ph.D. degree in Physics.
- Worked as member of Syllabus Committee appointed by Board of Studies in Physics for M. Sc. II and I.
- Worked as Subject expert (Physics) of Selection Committee for New appointments / Placement to selection grade of lecturers at
 1. Vinayak Ganesh Vaze College of Arts, Science and Commerce, Mulund, Mumbai, on 12 July 2005.
 2. Birla College of Arts, Science and Commerce, Kalyan on 31st August 2005.
 3. Sidharth College of Arts, Science and Commerce, Mumbai on 15th October 2005.
 4. NES'S Ratnam College of Arts, Science and Commerce, Mumbai on 14th November 2005.
 5. B. N. N. College, Bhiwandi on 24th November 2005.
 6. Parle Tilak Vidyanalaya Association's, Sathaye College of Arts, Science and Comm, Vile Parle. Mumbai on 30th November 2005.
- Was invited to deliver a talk for graduate students of ICLES' M. J. College Vashi, New Mumbai on 20th January 2006.
- Was invited to deliver a talk for graduate students of K. M. C. College of Arts, Science and Commerce, Khopoli, Dist. Raigad on 14th February 2006.

Mr. N. D. Mandage

- Worked as Organizing Secretary for three days National Seminar conducted by Physics department.

Department of Mathematics

Mr. R.S.Poddar (Head of the Department)

- Was invited as a subject expert on the selection committee as Vice Chancellor's Nominee at
 1. Ruparel College on 13th September 2005
 2. Siddharth College of Arts and Science on 14th October 2005.
- Delivered a lecture on 'Best Practices in Teaching Profession', for degree college teachers of our college on 14th March 2006.

Mrs. S. N. Joglekar

- Was invited to work as examiner for the Regional Mathematical Olympiad (RM) 2005 for Greater Mumbai Region, on 8th December 2005.

Department of Statistics

Mr. A. P. Patil (Head of the Department)

- Is appointed as a member of a Syllabus committee of three-year degree course in Statistics.
- Worked as Organizing Secretary and resource person for three days workshop conducted by Statistics department.

Mrs. M.J. Gholba

- Worked as member of Syllabus Committee appointed by Board of Studies in Statistics for revising T.Y. B. Sc. Practicals.
- Worked as resource person for the workshop Statistics for Non-Statisticians.

Mrs S.M. Phatak

- Worked as member of Syllabus Committee appointed by Board of Studies in Statistics for revising T.Y. B. Sc. Practicals.
- Worked as resource person for the workshop Statistics for Non-Statisticians.

Mrs K.D. Phal

- Worked as resource person for the workshop Statistics for Non-Statisticians

Department of Information Technology

Mr. A.A. Kale

- Worked as the resource person for one day workshop on Linux system organized by IT Department. on 1st October 05.

Department of Library Science

Mr. M.S.Pathak

- Was invited as a subject expert on the selection committee as Vice Chancellor's Nominee at
 1. Dnyansadhana College of Arts Science and Commerce Thane,
 2. Swami Vivekanand Night College of Arts and Commerce Dombivali.
- Was invited as a judge for essay competition organized by Thane Municipal Corporation on the occasion of International Women's day 8th March 2006.

Q.16 Internal Resource Generated.

Ans ➤ Research Grants

Rs. 35,000 /- from University of Mumbai.

➤ UGC Funding

Rs. 1,00,000 /- to Physics Department for National Seminar

Rs. 90,000 /- Advertisements for the conference

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

Ans: Nil

Q.18 Community services:

Ans: Dr (Mrs.) M. K. Pejaver

- ❖ Has been associated with the activities and contributed to the programmes of NGOs Hariyali, Hope Nature Trust, which are the year round programmes for collection of seeds, tree plantations, rain water harvesting and other activities related with environment.
- ❖ Has been associated with the NGO Jidnyasa through which many science related activities are conducted for school children.
- ❖ Accompanied the team of non-conventional energy resources to visit different sites on educational tour like Energy Park at Pune, Solar steam system at Shiradi etc.

Dr. N. S. Tekale

- ❖ Is working to raise the pitiable status of Malnutrition in tribal children of Maharashtra.

Dr. Kiran Pariya

- ❖ Is working as co coordinator for Medical Waste Treatment at Virar.

Dr (Mrs) V.D. Manjaramkar

- ❖ Has donated blood during blood donation camp in our college, on 8th August 2005.

Mrs. S. N. Joglekar

- ❖ Is working as in-charge of Thane centre of the 'Mathematics Association of Mumbai' for last seven years. The centre arranges training program for students of 8th & 9th std. to prepare for the Regional Maths Olympiad.

Our college students have collected donation of Rs 33000/- for National Association of Blind.

T. Y. B. Sc. Zoology students worked as Nature Interpreter for guiding school children and city people for nature trail arranged by WWF during Panda Festival of Environment held at Maharashtra Nature Park, Mumbai during 15th Dec. to 17th December 2005.

Various activities and projects are conducted through N.S.S., N.C.C. to inculcate civic responsibilities among the students.

Following are the activities conducted during this academic year.

NCC Boys and Girls (Army and Navy)

Sr. No.	Activity	Description	Location	Date
1.	Observed “World No Tobacco Day” in co-ordination with Health Department, Govt. of Maharashtra	An innovative mobile advertising campaign and a street play was arranged to spread the ‘say no to tobacco’ message.	Thane	31 st May /05
2.	Observed “World AIDS Day”	Participated in Marathon Rally on AIDS awareness conducted by Health Dept. Govt. of Maharashtra.	Oval Maidan to Churny Road	1/12/05
3.	Cleanliness Drive	Helped neighbors and citizens during the deluge in July 2005	Thane	July 2005
4.	Blood Donation Drive was organized jointly with NSS and LIONS Club	20 cadets donated 6000cc of Blood.	College campus, Thane	26/8/05
5.	Tsunami Relief Fund	An amount of Rs.5,036 through collection and Rs. 400 through sale of greeting cards was handed over to 1 MAH BN NCC.		
6.	Pulse Polio immunization programme	Cadets participated as volunteers	Thane	
7.	Tree plantation	1,578 saplings were planted by 30 cadets in collaboration with Hariyali	Fulora Nursery, Owala.	10/7/05
		600 saplings were planted by 38 cadets in collaboration with Hariyali	IIT Powai, Mumbai	17/7/05
8.	Organisation of “NISARG MELA”	10 cadets participated in the “Nisarg Mela” to bring awareness about the Environment.	Education Society School, Kopri	2/10/05
9.	Organised a survey on deluge of July 2005	The survey helped to find out the nature, causes, effect and preventive measures.	Thane	21/9/05-to 30/9/05

NSS:

The social activities of NSS students are listed below.

Sr.No	Activity	Description	Location	Date
1.	Tree Plantation	Planted trees and checked the survival of planted trees repeatedly along with NGO Hariyali	Dindeshwar 2000 plants Planted	3 rd July 2005 10 th July 2005 24 th July 2005
			IIT powai 900 plants planted	17 th July 2005
2.	Relief Work	After the devastation of 26 th July relief work was carried along with Akshara (NGO) (They distributed food packets, bed sheets, utensils to the affected persons)	Shantinagar, Kalyan	6 th August 2005 10 th August 2005
3.	Independence day Celebrations:	1000 Flags made by the NGO, Hitech Family Enrichment Foundation, were sold and the amount collected was given to the NGO.		15 th August 2005
4	Survey of entire Thane area.	Aftermath of the massive floods following the heavy rains of 26 th July 05. Report of the survey had appeared in News Papers MID-DAY, Times of India –Thane plus edition and Maharashtra Times <i>This report has been appreciated by MMRDA (Mumbai Metropolitan Region Environmental Authority) which may further help to continue the project in detail</i>	TMC area	August 2005

Sr.No	Activity	Description	Location	Date repeated eliminate
5.	Blood Donation Drive	The students and teachers donated 131 bottles of Blood.	College campus . In Collaboration with Sir J. J. group of Hospitals, Byculla,	26 th August 2005
6	Volunteers	During Ganapati immersion.	Masunda Lake	Sept 2005
7.	Development in Shantivan	(I) About 150 mango trees were reinforced with mud and pits were made for putting water and fertilizers. (II) A small bund was made. (III) A temporary bund across Gade River was made.	Shantivan, Nere Village, Panvel, Navi Mumbai.	20 th October 2005- 29 th October 2005
8	Seed collection	Along with NGO Hariyali	Thane	Nov 2005 Dec 2005
9	Observed "World AIDS Day"	Participated in a rally in connection with World AIDS DAY	Thane Mulund	1 st Dec 2005 2 nd Dce 2005
10	National exhibition	Helped in organization of National exhibition by Marathi Vignyan Parishad, Thane Vibhag	Dadoji Konddeo stadium, Thane.	4 th , 5 th , 6 th and 7 th of Jan 06.

Q.19 Teachers and officers newly recruited?

Ans: • Newly recruited Teaching Staff

Seven Regular course Temporary

Four Self Financing course Temporary

• Newly recruited Non-teaching Staff: seven (Temporary)

Q.20 Teaching-Non-teaching staff ratio?

Ans: ➤ 59: 77

Q.21 Improvements in the library services:

Ans: Large collection of books and journals are in the Library, accessible via our intranet facility as we have OPAC system.

- Library plays an important role in academic development of the institution. Prior to examinations reading hall facility is provided on Sundays. New books and recent journals are displayed. This year the work of renovation and expansion of library was in progress.
- Department of Botany has setup separate library for Botany students.

Q.22 Number of new books / journals subscribed and their value

Ans:

Subject	No. of new books		Value
	College	UGC	
Zoology	27	11	23571.20
Botany	09	01	5355.00
Chemistry	72	06	25507.11
Physics	40	01	18581.10
Mathematics	46	-	6698.40
Statistics	15	06	7309.60
I.T.	78	-	31236.50
Fictions/General	80	09	31518.36
Total books	401		149776.27
Journals	10		7050.00

Q. 23 Courses for which students' assessment of teachers is introduced and the action taken on student feedback:

Ans: Last year, for F. Y. B. Sc., S. Y. B. Sc. and T. Y. B. Sc. classes, we took students' assessment of teachers. After analyzing the data, we discussed the problems in teachers' meeting to take remedial action. This year we did not take the student' assessment of teachers.

There were suggestions to modify the feed back form, after discussion we have formulated new format, which will bring into force in next academic year.

Q.24 Unit cost of education:

Ans: Unit cost of education comes to Rs. 39,753/- per student per year by considering all expenses including salary of teaching & non-teaching staff. Otherwise it is Rs. 6050/- per student per year.

Q.25 Computerization of administration and process of admissions and examinations results, issue of certificates:

Ans:

- Already we have developed application form using JSP technology. Hence post admission work like generating identity cards became easy.
- Web based application forms can be downloaded from our website or can be filled online.
- Attendance for lectures of students of T.Y. B. Sc., S.Y. B. Sc. and F.Y. B. Sc. is computerized.
- Our college examination (F.Y. B. Sc. & S.Y. B. Sc.) results preparation and printing of mark list are completely computerized.

Q.26 Increase in the infrastructural facilities:

- Ans: ➤ This year extension and renovation of the library was carried out with
- Separate glass cabin for librarian,
 - Glass cabin for teaching staff with separate computer having internet connection, this room is attached to the open terrace.
 - Open terrace garden with potted plants.
 - Wide Newspaper stand & new textbook stand.
 - Two OPAC terminals.
 - Display window for new books and Journals.
 - Five new computers with D-Link points for students so in all there are 10 D-Link points in the library.
 - Separate toilets for ladies and gents.
 - Drinking water facility (water cooler).
 - Laser Printer.
 - Suggestion Box.
 - Reading hall having capacity to accommodate 130 students. The library is quite airy and having sufficient sunlight so tube lights are not required during day, hence there is lot of energy saving.
- Our staff common room is renovated with separate room for ladies staff. The renovation is still in progress.
- Ladies room (for girls) is also expanded and is having attached toilet. The renovation is still in progress.
- **Department of Zoology** has added two new microscopes.
- A monopan balance is received as a donation from Mrs V. V. Mahajan, a senior lecturer from Chemistry department.

- **Department of Physics:** One Astronomical Telescope with necessary accessories is added in the department.
- **Department of Chemistry** has added 10 kits for microanalysis. Spectrophotometer in visible range is purchased for PG students. Also there is an addition of a printer and a balance together costing Rs. 45000/-
- **Department of Information Technology has added**
 - Hardware: One Laptop, One Color Laser Printer,
One Laminator, One Emergency Tube.
 - Software: License copy of Adobe Acrobat Writer.
 - Others: Two New Notice Boards, Three wooden cupboards
One wooden Structure for Journal Display.
One steel cupboard and shoe rack,
Acrylic boards outside the classrooms.

We have kept the suggestion box for the students near office.

Q.27 Technology Up gradation

- Ans:
- Through Department of I.T. Linux training programme was arranged for teaching and non-teaching staff.
 - Our website vpmthane.org is updated with information about present & future conferences /seminars/ workshops.
 - Proceedings of all seminars conducted so far are uploaded on our web site.
 - Our computers are connected by LAN we have intranet communications among all departments and the sister institutes.
 - We have developed FA Payroll software on Linux used by all sister institutes of our management.

Q.28 Computer and Internet Access and Training to teachers and students

- Ans: ➤ Computer and Internet facility is available at free of cost for research students and staff members for 24 hours from last three years.
- Computers are available in all the departments as well as in the office and in the library. Hence internet access is very easy.
- Like last year this year also Linux training programme was organized by I.T. Department for teaching and non-teaching staff.
- Like last year this year also through Department of I.T. Internet Training Programme was conducted for B. Lib And M. Lib students.

Q.29 Financial aid to students

Ans: In the academic year 2005-2006, following major scholarships helped students from financial aspect

- Government Scholarship 58
- Government Freeship 88
- ZillaParishad Scholarship and Free ship: 14

25 book sets were given through book bank to the needy students.

One student has received free-ship through students' welfare fund.

Q.30 Activities and support from alumni association:

- Ans:
- A programme of poetry presentation was arranged by our past students association "Anubandha ", on 21st Aug 05. A known poet Shri Ramdas Khare was invited as guest poet. Our past students Mr. Uday Nirgudkar, Mr. Girish Tilve, Mr. Gitesh Shinde, Ms Shruti Ankolekar and Mr. Sushil Samant presented their poems.
 - Cultural Association had organized a workshop on Dancing on 1st October 2005. Prof. Ketan Kamble conducted the workshop. Prof. Ketan Kamble was a student of B. N. Bandodkar College of Science from F.Y.J.C. to T.Y.B.Sc. (Botany). He is at present working as a lecturer in Department of Biotechnology Vikas College Vikhroli, Mumbai.
 - A series of lectures was arranged for journalism students, our past student Mr. Uday Nirgudkar was a speaker for one session.
 - An additional set of journals published by Indian Academy of Science, Bangalore is subscribed from the amount received as donation from past students.
 - A lecture for non-teaching staff was arranged through Anubandh. Mrs Sushama Paudawal Librarian of S.N.D.T. University, spoke on 'How to accommodate with changing work culture'. Not only the non-teaching staff but many teaching staff members also attended this lecture.

Q.31 Activities and support from the parent teacher association

- Ans:
- Parent teacher meetings were organized by each department to discuss various issues regarding student's attendance, discipline, and academic performance of T.Y. B. Sc. Students.
 - The meeting of the parents of defaulter students of F.Y. B.Sc., & S.Y. B.Sc. classes was called at the end of the first term. This resulted in improving the attendance in the second term.

Q.32 Health Services:

- Ans:
- First aid boxes, which are kept in all the departments, college office, library and gymkhana, are regularly checked and medicines are replaced.
 - Whenever need arises students, teachers and non teaching staff are sent to Dr. V. V. Bedekar's clinic for medical help.
 - For psychological counseling we take help of our past student Dr. Anand Nadkarni.
 - Yoga training courses are conducted at free of cost for students and staff in association with NGO Ambika Yoga Kutir.
 - Women cell had arranged lecture on "Stress management". Which was followed by question answer session. Nearly 80 students attended this programme and actively participated in question answer session.

Q.33 Performance in Sports activities:

Ans: Our students participated in various inter-collegiate & open state level competitions during the year 2005 – 2006

- Mr. Suraj Waghmare of T.Y. B. Sc. (Chemistry) secured '*GOLD Medal*' in the Inter-collegiate Best Physique competitions held at University of Mumbai. He also secured an award "**MR. UNIVERSITY OF MUMBAI**".
- Table tennis - girls team secured *GOLD Medal* at the Thane district level inter – collegiate Table Tennis competitions held at Pendharkar college, Dombivali: organized by the Thane District Sports Officer, Govt. of Maharashtra.
- Table tennis - girl's team also represented Thane District at Divisional level T.T. Tournaments held at Nashik and secured '*GOLD Medal*' at Divisional level T.T. Tournaments.
- Table tennis - girls team also represented Nashik Division at State level T.T. Tournaments held at Yavatmal: organized by The Director, Students Welfare & Sports, Govt. of Maharashtra.
- Miss Tejashree Shinde of S.Y.J.C. secured '*GOLD Medal*' and '*SILVER Medal*' at Inter-collegiate Swimming competitions, organized by Thane District Sports Officer, Thane. She also represented Thane District at Divisional level Inter-collegiate Swimming Competitions held at PUNE Balewadi Sports Complex.

- Our student Ms. Preeti Mokashi has participated in National and International Table Tennis Tournaments and has bagged prizes in many other tournaments.

Q.34 Incentives to outstanding sportspersons:

- Ans: ➤ Participating students get concessions in the attendance and we conduct extra practicals to complete their syllabus. We try to give maximum help, for deserving students, including special coaching in studies. This year we conducted special examination for Ms. Preeti Mokashi- table tennis champion.

Q.35 Student achievements and awards:

- Ans: ➤ Miss Pranali Gaokar from T.Y. B.Sc. zoology 2004-05 stood second in the merit of zoology in University of Mumbai. Pro-Vice Chancellor Dr. Arun Sawant, of University of Mumbai, felicitated her in July 2005.
- Mr. Nitin Katake from T.Y. B.Sc. Mathematics has been awarded "The Babasaheb Ambedkar Memorial prize" instituted by the Progressive welfare Association Bombay. For the year 2005, for securing highest marks on the aggregate among the successful candidates belonging to backward class, at B.Sc. examination held in March 2005.
 - Ms. Mayuri Sawant has been awarded 'Late Bhayasaheb Sahastrabudhe Prize' and 'Milind Ballal Prize for securing first rank in Journalism course.

- Mrs Jayashree Menon Ph.D. student of Dr. (Mrs.) S.V. Mahajan has been awarded the “Pandit Bhagwandin Dube & Mrs. Ramdulari Dube Schorship” in Science faculty, of Rs. 650/- per month for the period of two years (2004-2006) for her research work.
- Mrs.Roshan D’Souza, Ph.D. student of Dr. R.P. Athalye, submitted a project titled ‘Study of the effect of *Lytta vesicatoria* (Coleoptera) extract on gonads and serological paramaterss of male albino rat using biochemical and histological analysis’ to Mumbai University. To complete this project she received a grant of Rs. 30,000 /- from University of Mumbai. Also she got the *first* prize for this project presentation.
- Mr. Abishek Anerao has been selected for AFS Intercultural programme scholarship for one year sponsored by United States.
- Cadet Manasi Godbole of S. Y. B.Sc. received Sahara India scholarship Rs. 12000/-
- Miss. Shubhada A. Nandarshi (T. Y. B. Sc. I.T.) fulfilled all requirements as a SUN CERTIFIED PROGRAMMER For JAVA 2 Platform 1.4 on June 29, 2005
- Miss. Sumit Bhamra T.Y. B. Sc. (Botany) won silver medal in a competition organized by MEDA and VPM’s Polytechnic on “ Energy conservation and alternate energy source”. She presented a paper titled “Non conventional energy resources with new techniques” under the guidance of Dr M.J. Kolet.

- A team of 3 students of T. Y. B. Sc. (Maths), Mr. Salil S. Sawarkar, Ms. Nilofer Shaikh and Mr. Saurabh S. Kar, was awarded second prize at the Inter-collegiate MATHEMATICS QUIZ conducted by Bhavan's College, Andheri, Mumbai on 15th December 2005 at SCIENCE FEST-2005.
- Mr. Sudhir Mohite is awarded M.Sc. (by research) by University of Mumbai, under the guidance of Dr. M.V. Ratnam.

Research Papers

- Miss Sampada Tadphale, M.Sc. student of Dr. (Mrs.) M.K. Pejaver published two papers titled
 1. "Preliminary observations on effects of three different types of food on the population of the fresh water Rotifer, *Lecane inopinata*". J. Aquatic Biology Vol 20 (1)2005 159-161.
 2. "Preliminary observations on breeding behavior of fresh water Rotifer, *Brachionus calyciflorus*" in a book 'Ecology of Plankton' written by Dr. Arvindkumar published by Daya Publishing House.
- Mrs Nayana Raut, Ph.D. student of Dr. (Mrs.) M.K. Pejaver published two papers titled
 1. "New records of rotifers from Thane lakes (Maharashtra) Aquatic Biology" Vol 20(1) 2005 9 -14
 2. "Survey of diversity of plankton attached to macrophytes from weed infested lakes". J. Aquatic Biology Vol 20(1) 2005 1 -7

Participation in Seminar /Paper presentation/ Quize competition.

- Vikas Jaiswal and Balwant Singh (T. Y. B.Sc.) presented a poster, entitled , “Inorganic biomolecules” in one day seminar ‘Chem-Zone’ which was organized by NES Ratnam College, Bhandup and got certificate of merit .
- Mr. Salil S. Sawarkar and Ms. Sangeeta K. Chand of T. Y. B. Sc/ (Maths) attended 11th workshop in Mathematics from 10th to 15th November 2005 at Department Of Mathematics, IIT, Bombay.
- Under guidance of Dr Manjramkar, Manali Vedpathak S.Y.B.Sc student, presented a paper at National seminar on ‘Non Conventional Source Of Energy “ in V. P. M.’s Polytechnic College Her topic was “Energy produced by microorganisms – Hydrogen Gas.”
- Omkar Patil, Shirish Ganmukhi participated in National conference on ‘Environmental Technology- Biological Perspectives, Issues and Challenges’ held at Department of life Science University of Mumbai, on 9th –10th February 2006
- Mr. Amol Patwardhan Ph.D. student of Dr. R.P. Athalye, presented research paper entitled “Click beetles (coleoptera : Elateridae) one of the major group; less studied from India” (by Mr. Amol Patwardhan, Dr. R. P. Athalye and Mr. Hemant Karkhanis) at the **International conference** on ‘Biodiversity of insects: Challenging issue in management and conservation -2006’ from 30th Jan to 3rd Feb.06, organized by Department of Zoology Bartiyar University Coimbatore, Tamilnadu.

- Mr. Hemant Karkhanis Ph.D. student of Dr. R.P. Athalye, presented the research paper “Distribution of butterfly *Colotis amata* (Lepidoptera: Pieridae) a pest of *Salvadora perrica* along Thane creek and Ulhas river.” (by Mr.Hemant Karkhanis , Dr.R.P.Athalye and Mr.Amol Patwardhan) at the **International conference** on ‘Biodiversity of insects: Challenging issue in management and conservation -2006’ at Department of Zoology Bartiyar University Coimbatore ,Tamilnadu.
- A poster presentation was done by Dr. Poonam Kurve and Mr. Amol Patwardhan on ‘Comparative study of butterfly diversity from urbanized zone, degraded forest and core forest in and around Thane city, Maharashtra.’ at the **International conference** on ‘Biodiversity of insects: Challenging issue in management and conservation -2006’ at Department of Zoology Bartiyar University Coimbatore, Tamilnadu.

Literary Association

We encourage our students to participate in various competitions held by different organizations outside the college campus.

Kalpana Jain and Priyanka Rode participated & Kalpana Jain bagged Consolation Prize in Elocution Competition, organized by ‘Mumbai Marathi Sahitya Sangh’.

Dramatics

This year our students participated in one act play competition organized by Bhavan’s College, Chowpatty on 23rd September 2005. The students performed very well. The name of the one act play was ‘Continuity’. Miss Devyani Deshmukh (S.Y. B.Sc.) bagged Certificate of Merit for the acting.

Miss Priya Marathe (T. Y. B. Sc. Botany) is playing a role in marathi T.V. serial “Ya Sukhano Ya”. She is also in recipient of the award “Fresh face of the year”. Three magazines have selected her photo for the cover page.

Cultural Association

Our College students have made us proud by participating and winning prizes in various intercollegiate competitions.

- Mr. Varun Deore (T. Y. B. Sc. I.T.)
 1. Secured 1st prize in singing competition at intercollegiate festival “Mantra” conducted by Ratnam College, Bhandup.
 2. Secured 3rd prize in gazal competition at intercollegiate festival “Mantra” conducted by Ratnam College, Bhandup.
 3. Secured 2nd prize in singing competition at intercollegiate festival, conducted by Birla College, Kalyan.
 4. Secured 2nd prize in singing competition at intercollegiate festival, conducted at Vaze-Kelkar College, Mulund.
- Mr. Varun Deore and Mr. Upendra Gokhale received 2nd prize in duet singing competition at intercollegiate festival, conducted at Birla College, Kalyan.
- Miss Siddhi Bhojane won 2nd prize in Drawing/painting competition for “Sayba” inter-intra collegiate festival conducted at Smt. Janakibai Rama Salvi College of Arts, Commerce and Science, Thane.
- Miss Pritha Arebail won 3rd prize in Drawing/painting competition for “Sayba” inter-intra collegiate festival conducted at Smt. Janakibai Rama Salvi College of Arts, Commerce and Science, Thane.

Achievements of Our N.C.C. cadets at National, State, Regional level camps.

Camp Attended Basic Leadership Camp, Tirchy, Tamilnadu

Name of the Cadet	Achievement
JUO Mamata M Thakare	Silver medal in Basketball 2 nd position of Maharashtra Contingent 1 st position Kho-Kho Competition 2 nd position Cross Country 2 nd position Drill Competition

Camp Attended Annual Training Camp, JNPT,Uran (14th –21st June)

SUO Hemangi Kowale	1 st position Cross Country 5 th position Drill Competition 3 rd position Firing Competition 3 rd position Solo Dance Competition
L/CPL Leena Awere	Silver Medal Cross Country
L/CPL Rupali Toraskar	Bronze Medal Cross Country

Camp Attended Thal Sainik Camp

L/CPL Madhushree Kamat	Gold Medal Rangoli Competition 1 st position of Maharashtra Contingent 1 st position Medical Competition 2 nd position Line Area Competition
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Camp Attended Punjab trek, Shimla(26th May- 8th June)

SUO Hemangi Kowale	1 st position of Maharashtra Contingent 1 st position Cooking Competition 1 st position Sports Competition 1 st position Cultural Competition
JUO Mamata M Thakare	2 nd position Cultural Competition
L/CPL Madhushree	1 st position Essay Competition
Kamat	1 st position Fancy Dress Competition 1 st position Group Song Competition 2 nd position solo dance Competition

Camp Attended Annual Training Camp, JNPT,Uran (16th –27st Nov.)

SUO Hemangi Kowale	1 st position Cross Country 1 st position Line Area Competition 1 st position solo dance Competition 1 st position Group Song Competition 2 nd position Cultural Competition 2 nd position Firing Competition 2 nd position Drill Competition 4 th position Obstacle Competition
JUO Mamata Thakare	Gold Medal for TSC-2004
JUO Madhushree Kamat	Memento for TSC-2005
L/CPL Leena Awere	Silver Medal Cross Country
CDT Jagruti Lad	Gold Medal Solo Dance

Q.36 Activities of guidance and counseling unit:

Ans: We have Placement and Career Guidance cell; through which we conduct lectures. On 4th July Mr. Kiran Jog, a career counselor delivered a lecture. He threw a light on the postgraduate courses in diverse fields. The counselor from Wegan & Leigh gave information about the courses in Fashion, Management and Advertising & Media.

Q.37 Placement services provided to students.

Ans: ➤ Our college has Employment cell through which we guide the students for placement. Letters from various companies and institutes looking for suitable graduates were displayed on the special notice board 'Grab It'. Also campus interviews of various companies were arranged Details are as follows:

Interview date	Company Name	No. of students appeared	No. of students selected
27 th April 2005	Tata AIG	26	05
14 th Sept 2005	Apex Ltd.	10	02
15 th Dec 2005	Apex Ltd	40	07
8 th Feb. 2006	Meyer Vitabiotics	42	04
10 th Feb 2006	ICICI Prudential	47	Results awaited
6 th Mar.2006	L&T Infotech	19	02
19 th Mar. 2006	Infosys	19	02

Q.38 Development programme for non-teaching staff

Ans: ➤ Mr Dharap from Botany Department, Mr. Amrutkar from Zoology Department attended a workshop on Linux which was organized by IT department on 1st October 05.

➤ Yoga **classes** were held from July to October (every Friday and Saturday) and from November to January (every Wednesday and Saturday). Twenty-five non-teaching staff completed yoga training.

- On 13th March 2006, a special lecture was arranged for non-teaching staff by our past students' association 'Anubandh'. Mrs Sushama Paudawal (Librarian of S.N.D.T. University) spoke on 'How to accommodate with changing work culture'. She highlighted the points that one should be flexible & ready to accept new techniques and try to change accordingly. All the non-teaching staff members responded for the programme with very positive attitude.

Q.39 Healthy Practices of the institution

Ans: Following healthy practices are continued this year.

- Inaugural lecture was arranged for S.Y. B.Sc. and T.Y. B. Sc students on 14th June 2005 and for F.Y. B.Sc. students on 11th July 2005, to explain the rules and regulations of the college and facilities provided by the college using audio-visual facility.
- Student's problems were discussed in Students Council meetings. Decisions related with planning, coordination and execution of extracurricular activities were taken through Students council.
- Defaulters list prepared by attendance committee was put up at the end of August, and their parents were informed. So improvement in their attendance for second term was observed. Students with very poor attendance were not allowed to appear for final examination.
- Each teacher prepared teaching plan at the beginning of the year and efforts were made to complete the syllabus accordingly.

- Departmental meetings and meetings of Head of the departments and the meetings of various committees were conducted as per the Calendar prepared by the college at the beginning of the academic year, to update the overall performance and to discuss the problems if any.
- For imparting value education we undertake community-based projects for students through N.S.S. and N.C.C. This year a series of talks was arranged for N.S.S. students. Ms. Poornima Rao from Prasanna Trust Bangalore, Mr. Anand Bhagawat, Mr. Madhav Jog, Mr. Yeshwant Bhide spoke on different topics like personality development, self-esteem, sacrifice and revolution.
- Publishing of the annual magazine, which gives students a way to express their creative writing potential.
- From last year we have decided to invite our past students who have an excellent career as a chief guest for annual prize distribution function. This year our past student Dr. Sanjay Deshmukh was a invited as a chief guest for the function which was held on 20th January 2006.
- College Gymkhana committee arranged Carom, Table Tennis Tournaments for the teaching & non-teaching staff members.

- Yoga Club organizes yoga classes for students teachers and non-teaching staff of V.P.M. Institutes, with the support from Shri Ambika Yoga Kutir, Thane. This year classes were held from July to October (every Friday and Saturday) and from November to January (every Wednesday and Saturday)



- College school complex: Under this scheme, Zoology Department is offering help to various schools to complete their science projects for the science congress exhibition and to satisfy the thirst of school children to gain more knowledge to some extent. This includes identification of plants and animals; analysis of water samples, giving guidance for various competitive examinations and helping them to understand some newly added science topics from their syllabus. On 13th January 2006 we arranged a practical session for 6th and 9th std students from various schools from Thane & Dombivali, appearing for Homi Bhabha Jr. Scientist competitive examination.

Following schools had taken advantage of this facility.

1. Saraswati English & Marathi medium school, Thane.
2. Anandibai Joshi English medium school, Thane.
3. Dr. Bedekar Vidyamandir, Marathi medium School, Thane.
4. Vidya Niketan School, Dombivali.
5. Chandrakant Patkar school, Dombivali.
6. Sister Nivedita School, Dombivali.
7. Abhinav Vidyamandir School, Dombivali.
8. Model English school, Dombivali.

- Staff Academy: Through Staff Academy we arrange send off functions. This year the function was organized for giving send off for retiring teachers Mrs. M.C. Pandit and Mrs. S.M. Menon. On the same occasion well-known poet Dr R.M. Shejwalkar recited his poems.
- Non Teaching Staff union: Send off function for Mr.Vijay Sawant (Statistics Dept.) was arranged on 30th June 2005 & for Mr.Suresh Sarangdhar (Zoology Dept) was arranged on 28th February. Departmental functions were also arranged to acknowledge their excellent services.
- It is our tradition to help our near ones; we collect money from all staff members to support medical expenses of needy staff member. This year we have helped Mr. M.V. Godbole our library staff member who had to undergo an operation for setting pace maker. This year Mumbai- Thane people experienced sever floods following heavy rains on 26th June 2005. Some of our non teaching staff had to face lots of damage. We extended our support by giving them financial help by collecting money from our staff members.

This year all the departmental reports and committee reports were collected by emails. The information about events conducted, students achievements/teachers honors can be viewed on our website.

Our aim is to generate awareness among students. From this year we are celebrating eventful days. On 15th September 2005 we celebrated 'Engineers Day' for which Mr. K.K. Gokhale, M.D. Konkan Railways, was the chief guest, he spoke on "Jammu-Kashmir Railway project".

On 28th February 2006 on the occasion of 'National Science Day' Mr. D. K. Nayak Principal of VPM's Polytechnic College, who had presented his paper in Masco, delivered a lecture on "Energy conservation and some solutions".

Q.40 Linkage developed with National / International, academic / Research bodies.

- Ans: ➤ There is no direct linkage at National/ International level for academic degrees, but we take help from national institutes like T.I.F.R., B.A.R.C., I. I.T. for our research/project work.
- In the year 2005 Dr. N. S. Tekale is appointed as a member to the Research Board of Advisors for "The American Biographical Institute."
- Dr N. S. Tekale is also appointed as member of Board Of Studies of Shivaji University.
- Dr. (Mrs) M.K. Pejaver and Dr. R.P. Athalye are recognized as research guide for Ph.D. from YCMOU Nashik.
- Dr. (Mrs.) M. Saha has conducted 10 days workshop on 'Principles & Techniques of Plant Tissue Culture' for guiding students of M.Sc part I & part II and Research students of Birla College of Arts Science and Commerce, Kalyan on 21st to 30th November 2005.

- We have continued our association with NGO Hariyali, HOPE Nature Trust for environmental activities such as tree plantation, water conservation. Also we are working with NGO Akshara functioning of various activities of women development cell.

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

Ans: Our result for the academic year 2004-2005 are as follows
(Mumbai University)

CLASS	PASSING %
F.Y. B. Sc	62.57 (82.63)*
S.Y. B. Sc	89.78 (96.00)*
T.Y. B. Sc	86.04
F.Y. B. Sc (I.T.)	88.33
S.Y. B. Sc (I.T.)	91.48
T.Y. B. Sc (I.T.)	71.74
M. Sc part I (I.T.)	89.47
M. Sc. part I(Chemistry)	80.00
M. Sc. part II(Chemistry)	100.00

* Bracketed values represent passing % with A.T.K.T.

(Yashavantrao Chavan Maharashtra Open University)

Class	Passing Percentage
B. Lib.	78.78
M. Lib	33.33
Diploma in journalism	96.05

During the current academic year 2005-2006, our staff members and research students have published research papers in various scientific research journals./ presented during conferences.

Department of Zoology

Principal Dr (Mrs) M.K. Pejaver

Sr.No	Name of the paper	Reference
1.	Preliminary observations on effects of three different types of food on the population of the fresh water Rotifer, <i>Lecane inopinata</i> .	J. Aquatic Biology Vol 20(1) 2005 159-161 (With Sampada Tadphale)
2	New records of rotifers from Thane lakes (Maharashtra)	J. Aquatic Biology Vol 20(1) 2005 9-14 (With Nayana Raut)
3	Survey of diversity of plankton attached to macrophytes from weed infested lakes.	J. Aquatic Biology Vol 20(1) 2005 1-7 (With Nayana Raut)
4	Conservation and management of freshwater bodies, strategy to overcome water problem.	IWP sponsored regional workshop on 22 nd and 23 rd April 2005 at Hyderabad.
5	Preliminary observations on breeding behavior of fresh water rotifer <i>Brachionus Calycislorus</i>	Ecology of Planktons by Dr. Arivandkumar published by Daya Publishing House.

Dr .R. P Athalye

Sr.No.	Name of the paper	Reference
1	"Click beetles (coleoptera :Elateridae) one of the major group less studied in India	International conference on Biodiversity of insects: Challenging issue in management and conservation -2006
2	Distribution of butterfly <i>Colotis amata</i> (Lepidoptera: Pieridae) a pest of <i>Salvadora perrica</i> along Thane creek and Ulhas river."	at Department of Zoology Bartiyar University Coimbatore ,Tamilnadu- India .(with Amol Patvardhan & Hemant Karkhanis)

Department of Botany

Dr. (Mrs.) M. S. Mulgaonkar

Sr.No	Name of the paper	Reference
1	Studies on dermal anatomy of three corticolous orchids from India	Int. J. Mendel vol 22(3-4) 105-106,2005
2	Dermal anatomy of some species of genus aerides Lour from Maharastra	Int. J. Mendel vol 22(3-4) 107-108,2005
3	Studies on Dermal anatomy of some Terricolous Orchids from Sahyadri(Western Ghats)	Int. J. Mendel vol 22(1-2) 61-63,2005
4	Dermal anatomy of two interesting Terricolous Orchids from the Western Ghats.	Indian J. Applied & pure Bio. Vol. 20(2), 305-308(2005).
5	Pollen analysis of three Species of Dendrobium. Sw. from Maharashtra.	Pb. Univ. Res. J. (Sci) Vol 54, 2004 pp 111-115
6	Dermal anatomy of some species of genus Dendrobium. Sw. from Maharashtra.	Indian J. Applied & pure Bio. Vol. 21(1), 1-8(2006).
7	Some observations on pollinia in Species of Genus Dendrobium. Sw. from Maharashtra.	Int. J. Mendel vol 21(3-4) 83-84,2004
8	Study of Pollinia of some corticolous orchids from Maharashtra under Sem	Ind J. of Applied and pure Biology Vol 20(1)35-38 2005.

Dr. N. S. Tekale

Sr.No	Name of the paper	Reference
1	Monitoring of diarrhoea in malnourished Tribal children by introducing semisolid indigenous food	8 th Commonwealth Congress on Diarrhoea & Malnutrition in International Centre for Diarrhoeal Diseases & Research in Dhaka, Bangladesh from 6 th to 8 th Feb, 2006.

Dr. M.J. Kolet

Sr.No	Name of the paper	Reference
1	Development of Novel Carrier Materials For Fungal Starter Cultures for Use In Composting.	National Conference organized by Univ. of Mumbai on 10 th Feb, 06.
2	Sources of cellulose degrading fungi from Thane district and determination of cellulolytic activity of the isolates'.	UGC and Univ. of Pune sponsored National Seminar on 'Recent Advances in Botany and conservation of Biodiversity', organized by Rayat Shikshan Sanstha ASC, Hadapsar, Pune – 27 th to 29 th Jan 2006.

Department of Chemistry

Dr Atul Bedekar

Sr.No	Name of the paper	Reference
1	"Chitin and Chitosan".	National Conference on 24 th May 2005 organized by Department of Chemistry Motilal Nehru National Institute of Technology, Allhabad

Dr (Mrs) Anita Goswami

Sr.No	Name of the paper	Reference
1	"Biochemical properties of PPO from Onion leaves."	National conference on 'Environmental Technology Biological Perspectives Issues and Challenges' held at Department of life Science University of Mumbai, on 9 th –10 th Feb. 2006

Department of Statistics

Mrs . K. D. Phal

Sr.No	Name of the paper	Reference
1	On estimating scale parameter of a truncated gamma distribution.	Soochow Journal of Mathematics vol.31, pp 515-523 Oct 2005

Department of Library Science.

Mr. M.S. Pathak

Sr.No	Name of the paper	Reference
1	Use of Marathi in computerization of Library.	Conference on “Sanganak and Marathi” organized by Joshi-Bedekar College, Thane.

Our teachers participated in various seminars / workshops/ conferences.

Department of zoology

➤ Principal Dr (Mrs) M.K. Pejaver

- Attended ‘Pakshi Mitra Melawa’ organized by Ecological Society in Pune, on 4th & 5th June 2005, on the occasion of Environmental day & has made presentation based on her research.
- Participated in the NAAC Sponsored workshop on “Quality Sustenance and Enhancement Measures in Higher Education” held on 13th February 2006, at Vidyanagari, Mumbai.
- Participated in one day workshop on “Technology Enabled Interactive Workshop For Accredited Institutions in Maharashtra” organized by Dnyanasadhana College jointly with Quality Assurance cell (Mumbai) and YCMOU (Nashik) on 24th February 2006.

➤ Dr .R. P. Athalye

- Participated in 'All India conference –cum- Meditation Retreat On Holistic Living For Overall Effectiveness.' on 8th to 12th October 2005, at Shantivan complex, Taleti, Abu Road. – Organized by Scientists and Engineers Wing of Rajyoga Education and Research Foundation and Prajapita Brahma Kumaris Ishwariya Vishwa Vidyalaya, Mt. Abu. Rajasthan.
- Attended International conference on "Biodiversity of insects: Challenging issue in management and conservation -2006" from 30th January to 3rd February 2006, organized by Department of Zoology, Bartiyar University Coimbatore, Tamilnadu.

➤ Dr (Mrs) V.D. Manjramkar attended one-day seminar organized by University of Mumbai College Principals association, on "The role of women leaders in Higher Education in the 21st century" at Ghanshyamdas Saraf Girls' college.

➤ Dr. (Mrs.) M.K. Pejaver, Mr. S. D. Rathod and Dr. (Mrs) V. D. Manjramkar attended a National seminar 'Alternative energy resources' organized by V. P. M.'s Polytechnic, Thane on 27th and 28th August 2005.

➤ Dr (Mrs). M. K. Pejaver, Dr (Mrs).N. N. Patil, Dr .R. P. Athalye, Dr (Mrs) S. V. Mahajan, Mr. S. D. Rathod, Dr (Mrs).V. D. Manjramkar, Dr (Mrs).P. N. Kurve and Dr. Kiran Pariya attended a workshop on 'Statistics for non Statisticians', conducted by Department of Statistics, on 27th, 28th and 29th September 05.

- Dr. (Mrs.) M.K. Pejaver, Dr. (Mrs.) N.N. Patil, Mr. S.D. Rathod, Dr. (Mrs.) P.N. Kurve attended one day workshop on Linux system organized by IT Dept. on 1st October 05.

Department of Botany

- Dr. M. J. Kolet attended two days National conference on 'Alternate Energy Sources' on 27th and 28th August 2005.
- Dr. (Mrs.) M. S. Mulgaonkar, Dr. N. S. Tekale, Dr. M. J. Kolet, Dr. (Mrs.) M. Saha, Dr. V. M. Jamdhade and Mr. R. S. Bhangare attended a workshop on 'Statistics for non Statisticians' in our college, on 27th, 28th and 29th September 05.
- Dr. (Mrs.) M. S. Mulgaonkar, Dr. (Mrs.) M. Saha from Teaching staff and Mr. G. D. Dharap, lab-assistant, attended a workshop on Linux organized by IT department on 1st October 2005.
- Dr. (Mrs.) M. S. Mulgaonkar and Dr. (Mrs.) M. Saha attended seminar on Characterization and Analysis Techniques organized by Birla College on 22nd & 23rd October 2005.
- Dr. (Mrs.) M. S. Mulgaonkar completed a self-employment course on 'Medicinal and Aromatic plants' organized by Mitcon Consultancy Services Ltd. at Thane on 12th and 13th Nov.2005.
- Dr. (Mrs.) M. S. Mulgaonkar and Dr. N.S. Tekale have worked in organizing committee for the seminar 'Opportunities in Horticulture' conducted by Advanced study Center at VPM Thane on 22nd January 2006.

- Dr. N. S. Tekale attended the 8th Commonwealth Congress on Diarrhoea & Malnutrition in International Centre for Diarrhoeal Diseases & Research in Dhaka, Bangladesh from 6th to 8th February 2006.
- Dr. N. S. Tekale was one of the selected 25 participants for a day's workshop on the "Use of stable isotopes in micronutrients studies" organized by ICDDR-B in collaboration with International Atomic Energy Commission Vienna in Dhaka, Bangladesh on 9th February 2006.
- Dr. (Mrs.) M. S. Mulgaonkar attended 8th National seminar on 'Orchid conservation, Improvement and Commercialization & Satellite Symposium on Orchids: Why an How?' organized by The Orchids Society of India (TOSI) at the department of Botany Punjab University, Chandigarh, from 18th to 20th March 2006. She also made oral presentation of the paper 'Collection of rare and endangered species of orchids from Thane and adjacent regions and their cultivation and conservation in an orchidarium.'

Department of Chemistry

- Mrs M.P. Akolkar and Mr. P. G. Bamane attended a three days seminar on 'Nanotechnology—a tiny revolution' at K.J.Somaaiya college, Mumbai.
- Mr. P. G. Bamane, Mrs V. V. Mahajan, Dr. M. V. Rathnum, Dr. U.R. Pandit attended a workshop for revised syllabus of M. Sc. part I(Chemistry) of University of Mumbai.

- Mrs M.P. Akolkar attended a workshop on Linux organized by IT department on 1st October 2005.
- Dr U.R. Pandit attended three days National seminar organized by Physics Department of our college, on 'Einstein's theories and present Scenario'. He also attended a seminar on, "Opportunities in Horticulture" at Advanced Study Centre, B.N. Bandodkar College of Science, Thane.
- Dr U.R. Pandit and Dr Atul Bedekar attended a workshop on 'Spectroscopy' at Institute of Science, Mumbai, from 22nd to 24th February 2006.
- Dr Anita Goswami attended two days National conference on 'Environmental Technology- Biological Perspectives issues & challenges' conducted by Department of Life Sciences University Of Mumbai on 9th & 10th February 2006.

Department of Physics

- Mr. V.D. Golatkar, Mr. D.R. Chaudhari, Mrs U.B. Gokhe attended three days workshop on "Statistics for non Statisticians" in our college, on 27th, 28th and 29th September 2005.
- Dr. M. N. Nyayate, Mr. D. R. Chaudhari, Mrs. S. S. Meshram attended 6 days workshop on C++ programming arranged by Department of Physics University of Mumbai.

- Mr. D. R. Chaudhari and Mrs. U. B. Gokhe attended the workshop on new Syllabus for Electronic Instruments (T. Y. B.Sc. Physics) held at C.H.M. College Ulhasnagar.
- Mr. A. D. Shet and Mr. D. R. Chaudhari attended two days state level Seminar on “Nuclear Physics”, on 3rd & 4th February 2006 at Ramniranjan Jhunjhunwala College, Ghatkoper, and Mumbai.
- All the Staff members of Physics Department attended three days National seminar organized by Physics Department of our college on ‘Einstein’s theories and present Scenario’.

Department of Mathematics

- Mr. R.S. Poddar (H.O.D.) attended one day workshop on ‘The 21st Century Teacher’ on 20th August 2005 at Ramkrishna Math, Khar.
- Mrs. S.N. Joglekar attended one-day workshop on Linux system organized by IT Department on 1st October 2005.
- Ms. Sarika. B. Upadhye has participated in TIME 2005, the First National Seminar on “Technology and Innovation in Mathematics Education”, held at IIT (Bombay), Powai, Mumbai, from 4th to 6th December 2005.

Department of Statistics

- Mr. A. P. Patil (H.O.D.) attended three days National seminar organized by Physics Department of our college on ‘Einstein’s theories and present Scenario’.

- Mrs. M. J. Gholba and Mrs. S.M Phatak attended one-day workshop on Linux system organized by IT Department on 1st October 2005.

Department of Information Technology

- Mr. A.A. Kale
 - Worked as the resource person for one-day workshop on Linux system organized by IT Department. on 1st October 05.
 - Attended workshop on 'MATLAB & SIMULINK', on 12th & 13th December 2005, conducted by D. G. Ruparel College, Mahim, Mumbai.
 - Attended one day National level conference 'Marathi & Sanganak' conducted by Joshi-Bedekar College of Arts and Commerce, Thane on 28th January 2006.
- Ms. Anjali Gangal, Ms. Bharti Bhole attended at the state level seminar on 'Network Security & WLAN Technology' held on 24th September 2005 by Department of I.T., SIES Nerul College of Arts and Commerce.
- All the Staff members of Physics Department attended three days National seminar organized by Physics Department of our college on 'Einstein's theories and present Scenario'.

Department of Library Science

- Mr. Mohan Pathak participated in one day conference on 'Sanganak and Marathi' organized by Joshi-Bedekar College, Thane.

Departmental clubs

We have nine clubs functioning in our college; we have performed various activities through these clubs.

Zoology Club “Green Force Nature club”

- 1) Inaugural programme was arranged on 30th August 2005. Mr.Amol P.Patwardhan, an expert of butterfly studies, inaugurated the programme. He delivered a lecture with slide show on “Butterflies and Moths”.
Our T.Y.B.Sc student Utkarsha Telang talked on ‘Endangered Animals’ in the same programme
- 2) Guest lecture by Mr. Vidyadhar Walawalkar Secretary, Enviro-Vigil, NGO from Thane, was arranged on 16th September 2005. He delivered a speech on ‘Rain water harvesting’. Lecture was followed by slide show on the same topic. Nature club and science square, jointly arranged this programme.
- 3) A poster competition was arranged on the topic ‘Save Energy Save Money’ It was well responded by the students. Dr. (Mrs.) S.V.Mahajan and Dr. (Mrs.) M.U. Borkar judged the posters.
- 4) Trail was arranged to Yewoor- Sanjay Gandhi National Park. On 11th December 2005. Dr. (Mrs.) Poonam Kurve and Mr.Amol Patwardhan showed insects, birds and other organisms and guided the participants

Members of Nature club were reading the book “Dainandin Paryavaran” written by Dilip Kulkarni, during weekly meeting days (Saturdays). This educates the students regarding the conservation of environment.

Botany Club “Srushti”.

1. Inauguration ceremony of the Botany club “Srushti” was held on 13th August at the hands of Mr. Shrikant Inganhalikar author of the book ‘Flowers of Sahyadri’. He conveyed the importance of conservation of nature. He enlightened club members with some fascinating pictures of animals and plants.
2. On 19th October the programme based on preparation of terrarium by using various techniques was conducted under the guidance of Mrs. Smita Jadhav (lecturer of Botany,) from Kirti College, Dadar. All the members enjoyed this session as they got in depth information about terrarium.

Chemistry Club “Urja”

1. Inauguration of chemistry club “Urja” was held on 3rd September 2005. Dr S. M. Gupte from Ciba research centre delivered lecture on, “Indian Pharmaceutical Industry and Patents”.
2. A lecture by Mr. Makarand Vaidya from Bharat Petroleum Corporation, was arranged on “Petroleum and Petrochemical Industries and opening in this field” on 15th December 2005.
3. An interactive session was held for T.Y. B.Sc. students with the representatives of Centennial College, Canada on 19th Dec 2005.

Physics Club

1. Inauguration of Physics club was arranged on 24th August 2005, Prof. Dr S.J. Gupta Head of Physics Department Mumbai University, delivered lecture on, “Scientific Aspects of Pyramid Power”.

2. A lecture of Mr K.K. Ghokale M.D. Konkan Railways was arranged on Engineers day (15th Sept 2005) on Jammu –Kashmir Railway Project.

Mathematics Club “ Siddhant”

1. Mathematics Exhibition was organized on 6th Sept 2005 as an inaugural activity of the club. 11 teams (30 students) displayed their projects.
2. Seminar competition was arranged in the month of December on the occasion of birth anniversary of Srinivasa Ramanujan. Eleven students participated in this competition.

Statistics Club “ Sankhya”

1. Inauguration of Statistics club “Sankhya” was held on 10th September 2005, Prof Chandrakant Nimkar delivered lecture on, “Scope of Statistics” which was followed by question answer session.
2. On 24th January 2006 Dr R.G. Shenoy spoke on “ Future in Statistics”. He also gave the information about the two new Diploma courses in statistics to be started from June 2006 in the Department of Statistics Mumbai University, at Kalina Campus.

“Sahitya Sahavas”

“Hindi Day” was celebrated on 14th September 05. Prof Vijaya Head of the department of Hindi Sidharth College, Mumbai, was a chief guest. The programme was conducted by students and some students read their poems in the programme.

I. T. (department / club)

1. All the teaching staff & few students of I.T. Department visited CDAC, Mumbai on 18th February 2006 on occasion of Open House event. They visited research labs to know their research, development & training activities. Students were allowed to see the server room & the network facility of CDAC.
2. Our B. Sc. (IT) students are developing software as a part of academic projects in renowned companies like Clariant, Cadbury, Elder Pharmaceuticals, Excel Industries Ltd. etc.
3. Our M. Sc. (IT) students are doing research projects like Computer control Motor, Image processing software, Computer based mobile controlled relay, and Computer based mobile controlled voting system. Two of our M. Sc. (IT) students developed certain properties of firewalls which will ban users from visiting certain sites.

Library Club “ Friends of Library” / Department

1. College library was under renovation hence many activities could not be conducted. An exhibition of important and new books was arranged.
2. A three-day study camp was organized for M. Lib Sc. students from 22nd - 24th December 2005. In this camp 21 students presented their research papers. Dr. D.N. Phadke Sr Assist Librarian II.I. Powai and Mrs. Sushama Poudwal Librarian S.N.D.T. were present as subject expert.

3. On 29th January 2006, a programme of release of 'Jagruti', and yearly publication of Journalism class was organized. Dr. Vijay Bedekar Chairman of VPM presided over the function. Mr. D. Shivananda Police Commissioner and Mr. Sanjay Sethi Municipal Commissioner were present on this occasion. They expressed their views on new trends in journalism. This magazine is appreciated by, Dr. Ramesh Shekokar, Ph. D. Research guide and information officer, Y.C.M.O.U., Nashik.

Foundation course (F.C.)

Foundation course makes the students aware of society and cultural activities. This year our F.C. students compiled the data from different newspapers related to heavy rains and floods in Mumbai. The newspapers from different languages were scanned to collect the information and they have completed the project "Floods in Mumbai". It was highly appreciated in the college.

Various Committees

Cultural Association

The first program of the year 2005 – 2006 was Father's day celebration that was held on 21st June 2005. The theme of the programme was "You and your relationship with your father". This programme was recorded and telecasted by Doordarshan's Sahyadri Channel for the programme "Amchi Shakha Kuthei Nahin". The programme executive Susan Johns and the Anchors of the show Dr. Amol Khalls and Mr. Kunal Rege conducted some Antakshari rounds among the students. Students recited poems on fathers written by them, there was also a game show based on

father's day and finally the student's described their fathers in one word. It was an altogether different experience for the students as well as for staff.

A singing competition was organized on 3rd December 2005.

Mehendi, hairstyle and bridal make up competitions were held on 23rd December 05. A annual gathering was held on 4th and 5th January 2006, where the events conducted were i) Dance, ii) Fashion Show, iii) Personality contest, iv) Antakshari v) Instrumental vi) Mimicry vii) Rangoli. viii) Fine arts. In all 23 competitions were conducted for which the number of participants was 445.

Annual gathering 'Aakansha', was conducted, by the students for the students. Students participated right from the preparation till execution of these entire event under the guidance of teachers. Here students learn about event management. 'Aakansha' of our college also give the scope to the students to explore their talents in various forms of arts, fine arts, and command over language. The participants are altogether of different personality latter. 'Aakansha' also helps to build rapo between students and staff, which develops healthy relation between them.

Literary Association

The activities of Literary Association, for the academic year 2005 – 2006 were started from the month July 2005. Various competitions were organized for Junior and Degree college students: Essay Writing, Elocution and debate in our college. About 25 students participate in these competitions.

Science Square activities

Under this scheme several minor research projects were initiated involving students from F.Y.J.C. to T. Y. B.Sc. of our college. Following projects were undertaken:

1. Analysis of ash from incineration of biomedical waste.
2. Adulterants from various samples of milk.
3. Analysis of water from two lakes from Thane city after Heavy rains

The students of our college also participated in exhibition organized by Marathi Vidnyan Parishad at Dadoji Konddev Stadium in from 4th to 8th January 2006. The projects were highly appreciated by the visitors.

Names of projects and participants: -

1. Effect of ash obtained from incinerable biomedical waste on growth of plants, by S. Y. B. Sc. students Prachi Sinalkar, Renu Pal, and Ashwini Pawar.
2. Effect of Herbicide (Glyphosate) on quantitative & qualitative growth of wheat plant, by Vikas Jaiswar (T. Y. B. Sc.) and Omkar Patil, Shirish Ganmukhi, Ganesh Jerurkar (all three from S. Y. B. Sc.)
3. Gaurav Agnihotri has completed a project and presented a paper on 'Life and Work of Albert Einstien'.

Dr. (Mrs.) M. U. Borkar and Dr. (Mrs.) Anita Goswami guided these students.

(The complied report of these projects sending herewith.)

Trekking / Hiking Committee

Hiking committee arranged the trek to Kondivade Caves on 20th August 2005. Fifty-six students participated in the trek. It was raining heavily. Students enjoyed the rain and were thrilled while crossing the big streams running in the mountains. During these treks students learn a lot of geography, our history, nature. They have very good friendship with accompanying teachers which later help in classrooms.

Women's Development cell

On 12th January a lecture of Dr (Mrs.) S.A. Singh Principal of VPM's Arts and Commerce College, was arranged on "Stress Management". The Programme ended with Question and Answer session in which students' participation was appreciable.

Employment Cell

Activities conducted during year are

1. Introductory lecturer by 'TRAILBLAZER' on job prospects was arranged on 2nd July 2005.
2. Lecturer on career guidance by Mr. Kiran Jog was arranged on 4th July 2005. Students from T. Y. B. Sc. attended the lecture in large number.
3. English speaking course was held after the first term examination.
4. Lecture on Career Guidance by Leigan & Weigh College was arranged on December 14, 2005.
5. Campus interviews were arranged.

Magazine Committee

Throughout the year the wallpapers were displayed based on certain themes. Cartoon competition, Short story competitions were arranged through this committee.

On 20th January 2006, the magazine "Sanyuja" was published, with reports of various committees, many articles, and poems in Marathi, Hindi and English. Our students met some of the past students to share their views, and these interviews are published in our magazine, which are more inspiring.

On the occasion of Centenary celebration of Albert Einstein, magazine cover page was designed by Mr. Vishal Kasbe T.Y. B. Sc student to give tribute to Albert Einstein.

Gymkhana Committee

Indoor game carom, chess, table tennis and Badminton tournaments were arranged in the month of December 2005.

College annual sports Athletic Meet was conducted on 23rd December 2005 at college ground, Junior & Degree college Boys & girls participated in the Running, Throwing, Shot-put, and Jumping events.

In all there were 250 participants in these tournaments.

Mr. **Shettye Siddhesh** from S. Y. B. Sc. secured general championship award.

Calendar Committee

Calendar committee had prepared calendar for the year 2005-06 well in advance. i.e. in the month of June on the first day of the opening of the college. For this preparations were complete in month of April 2005 itself. While preparing calendar following events were taken in to consideration.

Academic events.-

- Dates of college reopening after every vacation.
- Number of teaching days and Number of holidays of year 2005-06.
- End of Ist and IInd terms.
- Dates of IST term examination of F.Y. B.Sc., S.Y.B.Sc., F. Y. Jc. & S. Y. Jc.
- Dates of IInd term examination of F. Y. B. Sc.,S.Y.B.Sc. & F. Y. Jc. S.Y.Jc.
- Dates of Preliminary Examination of T.Y.B.Sc.
- Dates of A.T.K.T. & Additional Examinations.
- Dates of Annual Results of F. Y. B.Sc.,S .Y.B.Sc. & F.Y.Jc.
- Dates for admission of S. Y. B.Sc. & T.Y.B.Sc. & S.Y.Jc
- Dates for Conferences, Workshops and seminars.

Extracurricular events-

- Club activities of all departments
- Annual social days.
- Sport days.

Committee meetings-

- Principal with H.O.D. meetings
- QAC meetings & IQAC meeting
- Defaulter's parents meetings.
- Principal-Management meetings.
- Library committee meetings.
- Student council meetings
- Local managing committee meetings
- College managing committee meetings.

(The copy of the calendar is attached herewith)

Excursions:

List of excursions arranged during year 2005-2006.

➤ **Department of Zoology**

1. Dr R. P. Athalye, Mr. S.D. Rathod. Dr. (Mrs) V.D.Manjramkar and Dr.(Mrs) P.N. Kurve accompanied S.Y. B. Sc. Students at Satpati and Palghar on 18th and 19th September 2005. Students observed various animals in their natural habitat at vaghoba hill on the way to Satpati and fish fauna, fish landing and boat building workshop at Satpati.
2. Dr.R. P. Athalye, Mr.S. D. Rathod and Dr. (Mrs) V.D. Manjramkar guided F.Y. B. Sc. Students at Neral – Matheran. Excursion on 17 October 2005.
3. Dr. (Mrs) M. K. Pejaver, Dr.(Mrs) N. N. Patil, Dr. K. Pariya and Dr. (Mrs) P.N.Kurve accompanied and guided T.Y.B.Sc. students to Orrisa for a long excursion to study wild life, during period 17th to 30th September 2005.
4. Dr. (Mrs.) P. N. Kurve, Mr. Rathod accompanied and guided T.Y.B.Sc. students at Ferry Warf, Byculla, Mumbai to study fish landing activities.

➤ **Department of Botany**

1. This year two excursions were arranged to Vanghani Rose garden on 24th December 2005 for the students of S.Y.BSc.& on 2nd January for the students of F.Y.BSc. Students were shown the garden techniques and propagation methods. They also studied the natural flora of Vanghani. Dr. (Mrs.) M. S. Mulgaonkar , Dr. M. J. Kolet and Dr. V. M. Jamdhade accompanied the students.

- 2 Dr. (Mrs.) M. S. Mulgaonkar, Dr. N. S. Tekale and Dr. (Mrs.) M. Saha conducted a study tour to Mahabaleshwar and Goa from 8th to 12th January 2006 for the students of T. Y. B. Sc. Students were shown Bee keeping Centre, Wheat Research center and MAPRO Unit where they observed the Jam and Jelly making process and strawberry cultivation. The students observed mangroves and orchids in its natural habitat and observed algae in Whaga and Kalingut beach.

Most of the parts included in excursions are related to the theory parts in the syllabus. Hence students get a very good experience and understanding of the subject when they go for such excursions.

Special activities

- Dr. (Mrs.) M.K.Pejaver worked as Election officer and Dr. (Mrs.) N.N. Patil worked as polling officer for senate election of Mumbai University held on 30th September 2005.
- Mrs. V. V. Mahajan, a Sr. lecturer from Chemistry Department donated a mono-pan balance to Zoology Department.
- Dr. (Mrs) P.N. Kurve has written a series of articles on “Butterflies” in Disha, a magazine published by V. P. M. Thane. She has also written an article on “Parental care” in “Apale Paryavaran”, a magazine published by Enviro-Vigil, NGO from Thane.
- Mr. Mali has worked in vigilance squad for H.S.C. examination .

- Mr. V. S. Burkule from chemistry department has designed a new pattern for Question–Answer book to save wastage of stationary. This pattern has been implemented for University Practical examination in the subject of Organic Chemistry. His work is highly appreciated by Pro Vice Chancellor of Mumbai University.
- Mrs K.R. Karbhari was invited as judge in ‘19th sub Jr Artistic’ & ‘16th Sr. Rhythmic Gymnastic Championship’ tournaments held at Shahajiraje Bhosale Sports Complex, Andheri, Mumbai on 18th - 22nd Nov.2005. She also worked as judge for ‘3rd National Aerobics and Gymnastic Championship’ competitions held at Sri Kanteervava Indoor Stadium Bangalore on 12th &13th November 2005.

Vidya Prasarak Mandal

Our management Vidya Prasarak Mandal is very cooperative. Mandal always encourages the staff and students to implement new ideas. On our campus ‘Dnyanadweep’ we have a cluster of colleges- as Polytechnic college, Law college, Management college, Arts & Commerce College and our Science College. We also have an advanced study center on the campus. All these colleges are conducting workshops, seminars, conferences and guest lectures with the support from our management. We receive invitations for all these programmes. Our staff and students attend these informative programmes.

The conferences/ Workshops/Seminars conducted on our campus this year were

1. Alternative Energy Sources-----27th & 28th Aug 2005,
2. Statistics for Non Statisticians -----27th -29th Sept 2005,
3. Einstein's Theories & Present Scenario—17th- 19th Nov 2005,
4. Sanganak and Marathi-----28th Jan 2006.
5. Challenges for Indian Multinationals---18th March 2006.

(Information and proceedings are available on our web site)

Our Management encourages the staff to attend the seminars & conferences for paper presentation. Our Management has paid the traveling expenses and registration fee of Dr. M. J. Kolet for attending and presenting paper at the National Seminar on 'Recent Advances in Botany and conservation of Biodiversity', organized by Rayat Shikshan Sanstha ASC, Hadapsar, Pune – 27th to 29th January 2006.

Our Management conducted the following programs.

- On 1st August 2005 our management celebrated 69th anniversary.
- On 19th August 2005 (Narali Purnima day) we celebrated "Sanskrit Day" along with sister institutes of our management. Dr Vijay Bedekar spoke on "William Jones --- the Sanskrit scholar of 18th century".
- As per the tradition of our management, on Teachers' day (5th Sept 2005), two teachers from our degree college Mr. S. G. Bapat and Mr. D. R. Ambavadekar and three teachers from our junior college were felicitated for completing twenty years of service in our college, along with other teachers from our sister institutes.

Part C: Detail the plans of the institution for the next year (2006-2007)

Our college B.N. Bandodkar college of Science is a highly reputed institute run by Vidya Prasarak Mandal Thane.

Our aim is to provide Quality Education, hence in addition to the regular academic education prescribed by the University of Mumbai, the institution emphasizes on discipline, overall development of Students and to prepare them to meet the future challenges.

Being a science faculty college, we have a thirst for conducting research-oriented activities, to update our knowledge by conducting seminars/ conferences/ workshops. Our management encourages us and extends full support for such activities. Hence for last three years we could conduct National level conferences. First in Zoology then next year in Botany, this year in Physics, next year it is the turn of Information Technology Department. On 24th & 25th November 2006, we will be organizing a Conference on **“Linux Thane 2006”**.

Our Mathematics and Statistics Departments are organizing a one-day seminar on “Financial Mathematics” on 26th August 2006.

We will also have interdepartmental workshop on “Refreshing Chemistry for Biology students” in the month of September 2006.

Our employment cell will organize Seminar on ‘Career counseling’ for students.

We will continue our healthy practices of preparing yearly calendar and follow it strictly, Yoga training, College-school complex activity.

We will also proceed with N.S.S. & N.C.C. activities, which are useful to develop discipline, social awareness and sense of duty as a responsible citizen.

We will continue Science –square activity and activities of all clubs, which are helping our students to develop interest in the subject and in research. Also we will publish magazine, which is a good platform for the students to express their writing skills. Students participate in all these activities starting from planning till the execution of the programmes. This helps in overall personality development of students, also to know work ethics and to reduce the gap between students and teachers.

This year we received very good response on “Stress Management” programme. It is the need of the students, hence we will arrange more programmes to cater to the psychological need of our students.

Also we are planning to start “Class guide and Mentor system” by allocating 10-15 students per teacher so that teachers will be able to help to solve students difficulties and give them personal guidance. This will enable the teachers to counsel the students but before that the teachers will require proper training. Hence initially we are planning to have a workshop for teachers.

This is the era of fast food in which eatables consumed are satisfying hunger but are not having much nutritional status. Over and above in this hectic schedule of science faculty, students do not eat properly, they lag in knowing importance of nutritional diet, they have forgotten the motto ‘Health is wealth’, so we are planning to have lectures on this topic by experts. Also we have a plan to conduct health check-up camp for students as well as teachers.

Women cell of our college is planning to have a legal literacy workshop for girls.

Our web-net committee will update our web site.

As per the requirement of NAAC we have formed SPQAC (Students Participation in Quality Assurance Cell). We have taken two meetings of this committee in which it was decided that, the cell would arrange some programmes for students, and help in bridging the gap between students and teachers. The suggestions given by this cell regarding administration will also be considered.

Our management has started the expansion work. Already we have well equipped Information Technology Department, Mathematics and Statistics Department. This year there was an expansion and renovation of library, staff common room and ladies room.

Next year there will be an addition of an amphitheater, and the seminar room, examination room, record room and a well-set computer lab. Also our college office, Principal's chamber, Vice Principal's chamber will be renovated.

Our management is very supportive and ready to accept any new ideas. We believe in 'Healthy practices lead to Healthy Institute', hence we are trying to incorporate new ideas, new suggestions which help us in our progress. Always our efforts are to do better than the best.

Mrs. M.J. Gholba
IQAC Co-coordinator

Dr (Mrs) M.K. Pejaver
IQAC Chairperson.

Following is the list of Eminent personalities visited our college for various purposes during the academic year 2005-06.

Sr.no.	Name of the Eminent personality	Designation	Purpose of visit
1	Prof.Jayantrao Narlikar	Professor, IUCCA (Pune)	A conference on Albert Einstein's Theories present scenario.
2	Mr. Prabhakar Deodhar	Chairman, Aplab India Pvt Ltd.	A conference on Albert Einstiens Theories present scenario
3	Mr. D .K. Soman	Eminent Astronomist Vice president Marathi Vidyan Parishad	A conference on Albert Einstein's Theories present scenario
4	Dr .S. J. Gupta	Head of Physics department, University of Mumbai.	Invited by Physics club for inauguration function and delivered lecture on Scientific Aspects of Pyramid Power. Invited as chief guest for inauguration of A conference on Albert Einstein's Theories present scenario.
5	Mr.K.K.Gokhale	M.D.,Konkan Railway	To deliver a lecture on Engineers Day on Jammu-Kashmir Valley Railway Project.
6	Dr. S. M. Gupta	Ciba	Invited by chemistry club "URJA" to deliver, lecture on Pharmaceutical industries in India
7	Mr . Makarand .Vaidya	Bharat Petroleum Corporation	Invited by chemistry club "URJA" to deliver, lecture on Petroleum and Petrochemical industries
8	Prof. C. Y. Nimkar	Professor in Statistics	Invited by Statistics club "SANKHYA" for inauguration function.
9	Dr.L.R.Tiwari	Principal M.D.College,Parel	For inauguration of Workshop "Statistics for Non-Statisticians".

Sr.no.	Name of the Eminent personality	Designation	Purpose of visit
10	Dr.Sasikumar.Menon	Director, TDM Lab,Mumbai	For valedictory function of Workshop "Statistics for Non-Statisticians".
11	Dr.R.G. Shenoy	Professor, Department of Statistics, Mumbai University	Invited by Statistics club "SANKHYA" for delivering a lecture on "Future and scope of statistics"
12	Mr. Shashikant Ingalhalikar	Writer of the book "Flowers of Sahyadri"	Invited by Botany club "SHRISHTI" for Inauguration function
13	Prof.(Mrs).Smita.Jadhav	Lecturer Kirti College	Invited by Botany club "SHRISHTI" for giving guidance on preparing terrarium
14	Prof. V. Walawalkar	Secretary, Enviro-Vigil	Invited by Zoology club "Nature Club" to deliver lecture on rain water harvesting
15	Dr. Hemant Kulkarni	Director for Monoacting	Invited by Cultural association to guide students in mimicry workshop
16	Prof Ketan Kamble	Lecturer, Vikas College. Vikroli	Invited by Cultural association to guide students in Dancing workshop
17	Mr.Kiran.Jog	Director, Career guidance Academy, Dombivili.	Lectuer on career guidance
18	Mrs Utpala Mukerji	Hindustani classical singer.	Judge for singing competition held on 3 rd Dec 05.
19	Mrs. Vidya Sriram	Karnataki Classical singer.	Judge for singing competition held on 3 rd Dec 05.
20	Dr.Vijaya	Head of Department of Hindi, Siddharth College, Mumbai.	Invited as Chief Guest for celebration of "Hindi Day", on 14 th Sept.05.
21	Prof Manohar	Head of Department of Marathi, Siddharth College, Mumbai.	Invited for celebration of "Hindi Day", on 14 th Sept.05.

Sr.no.	Name of the Eminent personality	Designation	Purpose of visit
22	Dr Sanjay Deshmukh	Professor Department of LifeSciences, University of Mumbai	Chief guest for “ Annual Prize Distribution Function”
23	Dr. (Mrs.) S. A. Singh	Principal, Joshi Bedekar College. Thane.	Invited by WOMEN CELL to deliver, lecture on “Stress Management”
24	Shri Ramdas Khare	Well-known poet.	Guest for poetry presentation programme of Anubandha.
25	Dr.Pradeep Karnik	Librarian Ruparel college.	Speaker for a programme arranged by Department of Library Science on 12 th Aug 05
26	Dr.D.N. Phadake	Librarian I.I.T. Powai	Invited as Chief Guest for valedictory function of camp arranged for M.Lib students
27	Mrs Sushama Poudwal	Librarian, S.N.D.T. University.	Invited as Chief Guest for valedictory function of camp arranged for M.Lib students. Invited to deliver lecture on 'How to accommodate with changing work culture.'for non teaching staff
28	Brig R.C. Sharad	N.C.C. Maharashtra Directorate	Invited as chief guest on inauguration function of National Integration camp.
29	Mr D.Shivananda	Thane Police Commissioner	To release “Jagruti” Publication of Journalism class
30	Mr. Sanjay Sethi	Thane Municipal Commissioner	To release “Jagruti” Publication of Journalism class
31	Dr. Ulhas Wagh	Civil Surgeon	To give a lecture for N.C.C. cadets on “World No Tobacco Day”.
32	Mr. D.K. Nayak	Principal VPM's Polytechnic College	To deliver a lecture on “Energy Conservation and some solutions” on National Science day, 28 th Feb 2006.

Sr.no.	Name of the Eminent personality	Designation	Purpose of visit
33	Prof. Virendra Singh	Professor, TIFR (Mumbai)	A conference on Albert Einstein's Theories present scenario
34	Prof. Urjit Yajnik	Professor, IIT (Mumbai)	A conference on Albert Einstein's Theories present scenario
35	Prof.Unikrishnan	Professor, TIFR (Mumbai)	A conference on Albert Einstein's Theories present scenario
36	Prof.T.P.Singh	Professor, TIFR (Mumbai)	A conference on Albert Einstein's Theories present scenario
37	Prof. G.Ravikumar	Professor, TIFR (Mumbai)	A conference on Albert Einstein's Theories present scenario
38	Prof.S.M.Chitre	Professor, TIFR (Mumbai)	A conference on Albert Einstein's Theories present scenario
39	Prof.Aravindkumar	Professor, Homi Bhabha Center	A conference on Albert Einstein's Theories present scenario
40	Prof. Ajit Kembhavi	Professor, IUCCA (Pune)	A conference on Albert Einstein's Theories present scenario
41	Prof. Mohan Apte	Retired Professor	A conference on Albert Einstein's Theories present scenario
42	Prof Mayank Vahiya	Professor, TIFR (Mumbai)	A conference on Albert Einstein's Theories present scenario

According to the NAAC circular number NAAC/DO/JP/Quality/2005/ received on 09th Dec 05 regarding 'Gender Sensitive Quality Indicators' the report is as follows:

1. **Curricular Aspects:**

What are the women related courses/ topics introduced in the curriculum in the various subjects taught?

Ans: For F.Y. B. Sc and S.Y. B.Sc. class, Foundation course is a compulsory course. Under this course they study the topic '*Status of Women in India*'. In this topic, matter related with women's problem arising from a) Dowry System, Child Marriage, early pregnancy and b) Gender bias, Employment etc. are discussed. Also the different ways to solve them are suggested.

The students add their viewpoints after studying related news items appearing in Dailies or on Television. During the lectures some open discussion session are also taken, in which student discuss the topics like women's education and domestic environment as added dimension to the topic.

2. **Teaching , Learning and Evaluation:**

a) Gender segregated data on students and faculty in various departments at UG level?

Ans: I) Gender segregated data on students

Classwise

Class	No. of Girls	Total strength of the class	% of Girl students
F.Y.B.Sc	111	253	43.87
S.Y.B.Sc	145	293	49.49
T.Y.B.Sc	152	300	50.67

Department wise:

Department	Class	No. of Girls	Total strength	% of girl students
CHEMISTRY	F.Y.B.Sc	82	198	41.41
	S.Y.B.Sc	89	163	54.60
	T.Y.B.Sc	58	117	49.57
PHYSICS	F.Y.B.Sc	68	176	38.63
	S.Y.B.Sc	61	159	38.36
	T.Y.B.Sc	23	63	36.51
MATHEMATICS	F.Y.B.Sc	68	176	38.64
	S.Y.B.Sc	39	109	35.78
	T.Y.B.Sc	09	30	30.00
ZOOLOGY	F.Y.B.Sc	43	77	55.84
	S.Y.B.Sc	49	60	81.67
	T.Y.B.Sc	26	39	66.67
BOTANY	F.Y.B.Sc	43	77	55.84
	S.Y.B.Sc	32	48	66.67
	T.Y.B.Sc	18	22	81.82
STATISTICS	F.Y.B.Sc	29	55	52.73
	S.Y.B.Sc	20	47	42.55
	T.Y.B.Sc	18	29	62.06
INFORMATION TECHNOLOGY	F.Y.B.Sc	24	58	41.38
	S.Y.B.Sc	25	59	42.37
	T.Y.B.Sc	17	44	38.64
	MSc I.	03	13	23.07
	MSc. II	08	19	42.10
ORGANIC CHEMISTRY	MSc.I	06	10	60.00
	MSc.II	03	10	30.00

II) Segregated data on faculties from various departmentsNon teaching Staff

Category	No. of Women	Total strength	% of women
Class III	5	18	27.78
Class IV	1	54	1.85

Teaching Staff

Department	No. of women faculty	Total strength	% of Women faculty
Chemistry	7	16	43.75
Physics	3	13	23.31
Mathematics	4	5	80.00
Zoology	5	8	62.50
Botany	2	6	33.33
Statistics	4	5	80.00
I.T	3	4	75.00
Foundation Course	0	1	0.00
Librarians	0	1	0.00
Total	28	56	50.00

The above data shows that percentage of girl students is more for Biological Science subjects than technical subjects, while reverse is seen in teaching faculty.

b) Participation of women faculty in seminars/ conferences/ workshops/faculty development programme/ receiving awards.

Ans:

Many of our women faculty members have attended seminars/ conferences /workshops. Details are given in main report.

- Dr. (Mrs) M.K.Pejaver, Dr (Mrs) V.D. Manjaramkar were invited to deliver lecturer during N.C.C. Camp.
- Dr. (Mrs) M. K. Pejaver conferred the fellowship in recognition of her outstanding contribution towards the advancement of aquatic biology in particular and ecology and environment in general in IWP sponsored regional workshop on 22nd and 23rd April 2005 at Hyderabad.

- Dr (Mrs) M. S. Mulgaonkar was honored as a fellow of Mendelian Academy of Science.
- Dr (Mrs) M. S. Mulgaonkar has received a grant of Rs. 35000/- for minor research project.
- Dr. (Mrs) P.N. Kurve has written a series of articles on "Butterflies" in Disha, a magazine published by V. P. M. Thane. She has also written an article on "Parental care" in "Apale Paryavaran", a magazine published by Enviro-Vigil, NGO from Thane.
- Mrs K.R. Karbhari was invited as judge in '19th sub Jr Artistic' & '16th Sr. Rhythmic Gymnastic Championship' tournaments held at Shahajiraje Bhosale Sports Complex, Andheri, Mumbai on 18th -22nd Nov.2005. She also worked as judge for '3rd National Aerobics and Gymnastic Championship' competitions held at Sri Kanteerarao Indoor Stadium Bangalore on 12th &13th November 2005.

3 **Research, consultancy and Extension:**

- a) Percentage of women faculty actively involved in research/ guiding research students/ operating projects/publishing and extension activities.

Ans: The following table represents the related data.

Department	No. Of women in		
	Research /Guiding students	Operating Projects	Publishing Activities
Zoology	5	2	5
Botany	2	1	2
Chemistry	1	1	1
Statistics	1	-	1

b) What are the specific research topics and extension activities related to women?

Ans. Since ours is a Science college the topics only related with women problem are not considered. But through Women cell next year we are planning to take up a project related to women.

4. **Infrastructure and Learning resources:**

a. Availability of hostel/common room/toilet/sports facility for women

Ans: As we enroll local students we do not need hostel.

- There is a separate Ladies room with toilet for girl's students.
- There is a separate toilet at each floor for Ladies.
- There is a separate room and toilet for Ladies in the staff common room.
- Also there is separate toilet for office Ladies staff.
- We conduct intra-collegiate sports like running long jump, shot-put, carom, chess table tennis for girls. There are specific hours reserved in gymkhana for girls.
- We have separate N.C.C unit for girls through which the girls participate in camps, take part in sports like Kho-Kho. They are also trained in Cross Country, Map reading, and rifle shooting Judo/Karate. They are trained in Mass Drill.

b. Books and journals on women in the library.

Ans. There are 15 books on women related topics, in our library. Also we have subscription for one women related magazine '*Women's Era*'.

5 Student support and Progression.

- a) Sex disaggregated data on number of women students getting scholarships/ financial support and students getting placements.

Ans: There are many girls who have participated in various activities and won the prizes. Details are given in the main report. Some special points and achievements are noted below.

- Scholarships were given 160 students out of which 92 are girls. i.e. 57.5% of the scholarship holders are girls.
- Last year our toppers from S.Y. B.Sc., F.Y. B.Sc. (I.T.), S.Y. B.Sc. (I.T.), T.Y. B.Sc. (I.T.) T.Y. B.Sc. (Zoology, Chemistry and Statistics) and M.Sc. classes were girls.
- Miss Pranali Gaonkar (T.Y. B.Sc. Zoology) secured 2nd rank in merit list of B.Sc (Zoology) examination held in March 2005.
- Miss Mayuri Sawant stood first in Journalism course conducted by Y.C. M.O.U.
- Cadet Manasi Godbole of S. Y. B.Sc. received Sahara India scholarship Rs. 12000/-
- Miss. Shubhada A. Nandarshi (T. Y. B. Sc. I.T.) fulfilled all requirements as a SUN CERTIFIED PROGRAMMER For JAVA 2 Platform 1.4 on June 29, 2005.

- Miss Preeti Mokashi has participated in National and International Table Tennis Competitions.
- Miss Devayani Deshmukh bagged prize for acting in one act play competition organized by Bhavan's College, Mumbai.
- Miss Tejashree Shinde of S.Y.J.C. secured '*GOLD Medal*' and '*SILVER Medal*' at Inter-collegiate Swimming competitions, organized by Thane District Sports Officer, Thane. She also represented Thane District at Divisional level Inter-collegiate Swimming Competitions held at PUNE Balewadi Sports Complex, Pune.
- Miss Priya Marathe (T. Y. B. Sc. Botany) is playing a role in marathi T.V. serial "Ya Sukhano Ya". She is also in recipient of the award "Fresh face of the year". Three magazines have selected her photo for the cover page.
- Through placement cell 45 girl students appeared for interview of which 7 girls got placements. Details are given below:

Interview date	Company Name	No.of girl students appeared	No.of students selected
27 th April 2005	Tata AIG	17	01
14 th Sept 2005	Apex Ltd.	05	Nil
15 th Dec 2005	Apex Ltd	11	02
8 th Feb. 2006	Meyer Vitabiotics	12	02
10 th Feb 2006	ICICI Prudential	19	Results awaited
6 th Mar.2006	L&T Infotech	12	2
19 th Mar.2006	Infosys	12	2

- b. Availability of women counselor, sexual harassment cell, Lady doctor.

Ans: We have Women cell in our college and also there are 50% Ladies staff members in the college. Many of our Ladies staff member guide students to solve their personal problems.

6. **Organizations and Management.**

- a) Number of women in all selection /promotion committees/ academic/ administrative bodies of the institution.

Ans: In our organization various positions are occupied by women .

Principal – Dr.(Mrs.)M.K.Pejaver

Vice Principal – Mrs.M.P.Akolkar

Our Students' Secretary- Ms. Kalpana Jain

N.C.C. (girls) - ANO Lt (Dr) Vrinda Manjaramkar.

There are eight departments and for two departments viz Botany & Zoology Ladies are occupying the chair of Head Of the Department.

Our Students' Council consists of 28 members in which there are 13 staff members and 15 students' representatives. The number of ladies member is 13 of which the numbers of staff members and students' representative are 5 and 8 respectively.

There are 27 major Committees in our College and for 20 committees female staff members are working as coordinators which comes to 74%.

The detail data is given in the following table.

Sr No	Committee	Coordinator (If women)	No. Of women members	Total no. Of members	% of women
1	Planning and Management Forum	Mrs.M.P.Akolkar	4	9	44.44
2	Calendar Committee	Dr.(Mrs.)N.N.Patil	3	6	50.00
3	Grievance Committee	Mrs.M.P.Akolkar	4	8	50.00
4	Counseling Cell	-----	1	5	20.00
5	Quality Advisory Committee (QAC)	Dr.(Mrs.)M.K.Pejaver	2	7	28.57
6	Internal Quality Assurance Cell IQAC	Mrs.M.J.Gholba	5	16	31.25
7	Staff Academy	-----	2	6	33.33
8	Library Committee	Mrs.M.P.Akolkar	2	8	25.00
9	Gymkhana Committee	-----	2	12	16.67
10	N. S. S.	-----	4	15	26.67
11	N.S.S. Advisory Committee	Dr.(Mrs.)M.K.Pejaver	2	7	28.57
12	Cultural Association	Dr.(Mrs.)M.Saha	10	15	66.67
13	Literary Association	Mrs.P.P.Karnik	3	6	50.00
14	Dramatics	Dr.Mrs.M.S.Mulgaonkar	4	9	44.44
15	Magazine Wallpaper	Mrs.U.P.Bal	6	10	60.00
16	Examination committee	-----	3	6	50.00
17	University Examinations (other than F.Y./S.Y.)	Mrs.M.P.Akolkar	2	4	50.00
18	Examination Unfair means Enquiry	Mrs.V.V.Mahajan	1	3	33.33
19	Attendance (Degree College)	Mrs.C.P.Shirkarkhane	6	12	50.00
20	B.C.Cell	Mrs.M.P.Akolkar	3	6	50.00
21	Inaugural function & Parents Meetings: Management	-----	3	6	50.00
22	Student's Council	Dr(Mrs.)M.K.Pejaver	4	9	44.44
23	Alumni Association of Bandodkar	-----	3	6	50.00
24	College Managing Committee	Dr.(Mrs.)M.K.Pejaver	2	6	33.33
25	Local Managing Committee	Dr.(Mrs.)M.K.Pejaver	1	9	11.11
26	Employment Cell	Mrs.M.T.Wakhede	4	8	50.00
27	Women Cell	Mrs.M.P.Akolkar	4	6	66.67

b) Details on maternity leave, crèche for children.

Ans: Three months maternity leave is granted to the teaching as well as to the non-teaching ladies.