

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?

Ans: Our policy is to audit the activities conducted during the previous year and try to go one step ahead to achieve our goals. This helps to plan the activities in advance for the year to come and also in improving the quality. We plan to proceed with following activities:

- To start graduation course in Microbiology and the graduation course in Computer Science.
- To have 2nd Preparatory Workshop on August 26, 2008 for the Seminar on 'Wonderful world of insects' to be conducted on December 03, 2008 through the Department of Zoology.
- To conduct the Seminar on 'Wonderful world of insects' on December 03, 2008 through the Department of Zoology.
- To have Medha Samskar Program for Jr. College as well as for Degree College students.
- To conduct Programs to boost self-awareness among teachers and students.
- To arrange a lecture on Stress Management for the students through women cell.
- To complete the expansion and improvement of infrastructure of our Botany Department.
- To complete the work of amphitheater and chemistry research laboratory.
- To complete the construction of laboratories for computer science and biotechnology.
- To further renovate Gymkhana and add gymnasium facility.

Also we decided to continue the good practices which were started earlier and proven useful like:--

- To collect the admission forms online, to take help of our students in guiding the prospective students to fill the online forms.
- Preparing yearly calendar before the beginning of the academic year and try to implement it seriously.
- Strategy of conducting A.T.K.T. examinations in the month of August to improve results.
- Ongoing projects like Yoga Classes, 'College-School Complex' activity, 'Science Square' activity.
- Collecting departments/committees reports by e-mails.
- Policy of encouraging students and teachers to participate in seminars and workshops.
- Try to improve academic excellence in college and university examinations.
- "Class guide and Mentor system" which helps to solve student's difficulties and give them personal guidance.
- To arrange short duration course in Bioinformatics and in Horticulture.
- To arrange workshop for office staff to update their knowledge.
- To continue extended library working hours.

Based on this we have the following outcomes achieved during the academic year.

- We have started graduation course in Microbiology and in Computer Science.
- We have arranged the lecture on 'Stress management' with interaction session.
- The 2nd Preparatory Workshop for the seminar to be conducted on 'Wonderful World of Insects' was held on August 26, 2008 as per the schedule.
- Seminar on "Wonderful World of Insects" was conducted successfully on December 03, 2008.

- Entire College Activity 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 to the best possible Way. (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 Mathematics and Statistics departments have conducted Terminal Examination in addition to Preliminary examination and class tests for T.Y.B.Sc. Classes as was done in the previous year. Students have responded well.
- Like previous year this year also A.T.K.T. Examinations were conducted in the month of August. Hence the result of A.T.K.T. examination was good.
- Web –Net committee is updating our web site regularly.
- This year also all Committee reports and Departmental reports were collected through e-mails.
- Our on going programmes ‘Yoga Classes’, ‘N.S.S. and N.C.C. Activities’, ‘College-School Complex Activity’, ‘Science Square activity’, ‘Class Mentor system’ were conducted smoothly.
- We have completed the construction of Computer Laboratory and Biotechnology Laboratory.
- Renovation along with infrastructural development in Botany department is completed.
- Library was kept open on Sundays one month prior to examination and like last year library was kept open for students from 7:00 a.m. to 8:00 p.m. on each working day.

Though we tried to follow and complete our planned activities in systematic ways, still we could not complete the following tasks,

- Complete the work of Amphitheater and Chemistry Research Laboratory.
- To arrange workshop for office staff to update their knowledge.
- Short term courses on Bioinformatics and Gardening.
- We could not conduct Medha sanskar programme for our students.

Following are the activities carried out during this year which were not planned earlier.

- We have started the practice of honoring the retiring non-teaching staff by presenting him/her a memento and the certificate of honor at the time of send off function.
- Our Management has introduced new security system at the entrance. Entry from Gate 2 is permitted only for the students and staff members, for whom Identity cards with bar code are issued and activation of these identity cards is done in our library.
- Complete beautification of our college campus is undertaken by our management which includes arrangement of different flowering plants throughout the campus. Also enclosed parking will be provided for staff members.



Inaugural function of the activities of Cultural Association for the academic year 2008-2009 Chief Guest Mrs. Vasanti Vartak, a famous news reader and anchor.

Seminar on “Wonderful World of Insects”



Seminar on Cyber safety. Deputy Commissioner of Police Mr. Vikram Deshmane, guiding the students.

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, we all 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 2008- 2009.

  We have started graduation in Microbiology and Computer Science. Also we have started one additional division of S.Y.B.Sc. (I.T.) and a division for S.Y.B.Sc. Biotechnology in continuation.

  National Seminar: Seminar on “Wonderful world of insects” was conducted by our Zoology Department on December 03, 2008 Dr. V. V. Bedekar, Chairman, VPM, Thane was the chief guest. 187 participants were present for this seminar.

  Workshop: one preparatory workshop was conducted by Zoology department which was 2nd Preparatory Workshop on August 26, 2008. About 127 participants attended the workshop.

  A lecture by eminent counselor Dr.Mrs Anuradha Sohani was arranged on the topic ‘Stress management’ with interaction session for students.

Community orientation and awareness of the environment through 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. This year some students rendered their services to the centre Sobati –the school for blind and disabled children.

Through **Magazine Committee** various competitions were held. At the end of the year we have published comprehensive magazine “Sanyuja”.

Club activities of various departments in which eminent speakers were invited. Seminars, Lecturers and Exhibitions were held.

Various cultural programs, sports activities, elocution/debate, essay, quiz competitions were conducted

Campus interviews were conducted for placement of Apex Laboratories Ltd., Wipro (BPO), ICICI Prudential, DAT Engineering and Stream International BPO.

Yoga training classes were held free of cost. This year the number of students taking training increased hence training was given in three batches.

Excursions: Long and short excursions are a part of our Zoology and Botany syllabus. In this, the students visit many National parks and sanctuaries; they observe flora and fauna, different life styles of countrymen, important monuments and national heritage. During this period healthy relationship between the student and teacher develops.

Industrial visits for our I.T. students were arranged. This helps students to know much about upcoming Technologies in the subject of Information Technology.

Industrial Laboratory visits were arranged for our Biotechnology and Microbiology students. These visits benefited the students to know the practical use of the subject.

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. We guide the children for Jr. and Sr. young Scientist Examinations conducted by Homi Bhaba Centre . Many of these students receive prizes and medals at State and National levels.

To pay Homage to Martyrs in the attack of 26th Nov 2008 and to show of this attack , the students ,teachers and non-teaching staff of our college conducted peace rally in our college campus. They had a silent walk around the campus and lighted candles near statue of our beloved founder President Late Dr. V.N. Bedekar.

In all these activities students from our college participate actively. All these activities help our students to become self-reliant and bold, capable **to meet the future challenges. Always our efforts are student centric to improve their personality so that they can stand boldly in this competitive world.**

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

Ans: University of Mumbai has granted recognition for graduation course in Microbiology and Computer Science. Hence we have started F. Y. B. Sc. Microbiology division of 30 students and F. Y. B. Sc. computer science division of 24 students.

Last year we had started F.Y.B.Sc. Biotech division and an additional division of I.T. So as a continuation of this course, we have started S.Y.B.Sc. Bio-tech division of 30 students and an additional S.Y.B.Sc. I.T. division of 60 students.

Q.3 Innovations in curricular design and transaction:

Ans: The faculty of the college has been incorporated in the University bodies in various capacities all over the years. Some of the College Faculty held positions as members of boards of studies, Chairman of the University's Curriculum Committee, Syllabus committees, coordinator, M. Sc. Programme at University. They contribute in reframing the syllabus or help in conduction of workshops related to syllabi. Following staff members attended the meetings related to syllabi reformation and designing subject related workshops.

- Principal Dr. Mrs. M. K. Pejaver Zoology
- Dr. Ms. N. N. Patil Zoology
- Dr. R. P. Athalye Zoology
- Vice Principal Mrs. M.P.Akolkar Chemistry
- Mr. V. S. Burkule Chemistry
- Mrs. M. M. Ranade Chemistry
- Dr. Ulhas Pandit Chemistry

Whenever a new syllabus is framed, the college teachers attend workshops to refresh the knowledge and acquire new skills.

Ans: Ours is single faculty college, we conduct interdepartmental programmes as and when required.

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 and class tests for T.Y. B.Sc. students.

In order to increase the interest in research we have introduced mini-research projects, which are of short term duration, can be done in a group of 4-5 students under guiding teacher. We also have started seminar system and journal club in some of the departments.

Ans:

	Till 2007-08	In the year 2008-09
NET / SET	4	-

Q.7 Initiative towards faculty development programme

Ans: Teaching Staff

- Mrs. S.V. Tayade was awarded M.Phil. Degree from Aligappa University Karaikudi under the guidance of Dr.Mrs. A.S.Goswami in July 2008.
- Ms Rani Singh attended and gave a presentation on “Conservation of Medical Plants of Thane District, India.” in Ethnobiological conference held at Arkansas Fayetteville, Arkansas U.S.A. on April 15, 2008
- Mr. B. K. Mandlekar attended Orientation Course from August 18, 2008 to September 16, 2008 at Mumbai University, Kalina.
- Mr. S. K. Bhosale attended the Orientation course August 18-September 16, 2008 conducted by University of Mumbai.
- Mr. D.R. Ambavadekar attended an Orientation Course on National Service Scheme organized by Tata Institute of Social Science , at Training Orientation and Research Centre (Maharashtra and Goa) from November 19-28, 2008.
- Dr. Moses J. Kolet and Dr. V. M. Jamdhade participated in one day workshop on the F. Y. B.Sc. (Revised) Botany syllabus (University of Mumbai) held in Jai Hind College Mumbai on July 29, 2008.
- All the teachers in department of zoology have attended one day workshop in Zoology for F.Y.B.Sc.(revised syllabus) organized by Board of Studies in zoology at ICL college ,Vashi, New Mumbai on August 22, 2008.
- Mr.S.K.Bhosale
- i. Participated in a workshop on the 'New Syllabus F.Y.B.Sc. for Foundation Course’ held at K.J.Somaiya college of Arts Science and Commerce college Vidyavihar on July 23, 2008.

- ii. Attended the seminar on January 30, 2009 at MENON COLLEGE, Bhandup, MUMBAI. The seminar was on “Adoption of Gandhian Vision of education to meet Terror and Violence”.

- Mrs. U.B. Gokhe and Mrs. S.S. Meshram attended One day workshop on Revised syllabus of Physics for F.Y.B.Sc. held at D.G. Ruparel college, Mahim on Saturday July 26, 2008.

- Mrs. M.M.Patgaonkar attended work shop on F.Y.B.Sc.- New syllabus of Mathematics on June 27, 2008

- Mrs M.T.Wankhede and Mrs. M.M.Patgaonkar attended workshop on S.Y.B.Sc new syllabus of Mathematics on February 25, 2009

- Mr Subhash Kamble attended the workshop on New Syllabus F.Y.B.Sc. of Chemistry held at Pendharkar College Dombivali on July 09, 2008 and at Ruparel College Mumbai on July 19, 2008.

- Mrs L.K.Mali attended the workshop on “New Syllabus F.Y.B.Sc.” at Ruparel College Mumbai on July 19, 2008.

- Ms. Prajakta Kamble participated in the workshop on F.Y.B.Sc. Computer Science Revised Syllabus on July 12, 2008 at Vivekanand Education Society's College Chembur.

- Ms. Ashwini Apte, Ms.Rani Sing and . Ms. Yogita Dhuri attended two day workshop for hands on training of practicals on revised syllabus (2008-2009) of F.Y.B.Sc Biotechnology at Khalsa College Matunga on June 20-21, 2008.

- Ms.Ashwini Apte, . Ms.Rani Sing and . Ms. Yogita Dhuri attended one day seminar for Theory Syllabus of Biotechnology at Mithibai college, Vileparle, on July 05, 2008.
- Ms. Ashwini Apte and Ms Sneha Narvekar attended one day workshop on revised syllabus of F.Y.Microbiology at Mithibai college, Vileparle on July 24, 2008.
- Ms. Namrata Dalvi and Mr.Anil Athavale participated in a two day workshop on “Environmental Education” on September 22-23, 2008 organized by Kirti college and British council, Mumbai.

Non-Teaching Staff

- Librarian Ms Kadambari K. Kardekar has completed her Diploma course in German Language from University of Mumbai.
- Ms Vijayashree Redkar, Library Trainee, has completed her M.A. in Hindi from University of Mumbai.
- Mr Vaibhav Gaikwad, Library Trainee, has completed his M.L.I.Sc. With 1st class from YCMOU.
- Mr Ganesh Patil from IT department has completed Hardware course from IT Source Thane

Q. 8 Total number of Seminars/Workshops conducted.

Ans: **National Seminar (1)**

The seminar on wonderful world of insects was inaugurated at the hands of **Dr. V. V .Bedekar, Chairman, VPM (Thane)**, at 9:00 am on December 03, 2008. Our principal Dr(Mrs) M. K. Pejaver, convenor of seminar Dr. R.P.Athalye, our collaborator of W.W.F. Dr. Goldin Quadros, expressed their views. **Dr. P.V.Joshi** retired professor of entomology from University of Pune was felicitated on this occasion by Dr. V.V. Bedekar. On the same day in the inaugural session the proceedings of the workshop were released. There were 187 participations from teachers and students sector.

The seminar was divided into four sessions, In each session six papers were presented, and each session was concluded by the discussion.

Session I – Plenary talk was given by Dr. G.P. Bhavane HOD, Zoology Dept. Shivaji University, Kolhapur on entomological studies carried at the Shivaji University, Kolhapur. He also chaired the session.

Session II – Plenary talk was given by Dr.H.V.Ghate HOD, Zoology Dept, Modern College, Pune on entomological studies at Modern College, Pune. He also chaired the session.

Session III – Lecture was delivered by Dr.Ranade, Reader (Retd.) Annasaheb Garaware College, Pune on Stingless bee. He is a retired professor from Pune University.

Session IV – Plenary talk was given by Dr.Amol Patwardhan on Click Beetles.

Prizes were given to best paper presentation, poster and photography during the valedictory function at hands of Dr. P.V.Joshi

University Level Workshop (3)

Second preparatory workshop on “Wonderful World of Insects was held on August 26, 2008. **Dr. B. G. Kulkarni, Chairman Board of studies, Zoology**, University of Mumbai, Head and Professor, Zoology Department, Institute of Science, Mumbai was invited as guest. .

Prof. Dr, P. V. Joshi. Retired Professor University of Pune, gave a lecture on “Parental care in Insects”. It was an informative and guiding lecture.

Dr. S.M Gaikawad., Lecturer, Bhogavati college, Dist – Kolhapure, delivered lecture on “ Life cycle of Common Mormon Butterfly “with interesting video shoots of hatching of egg, larva feeding on leaf, moulting, pupation, emergence of the adult butterfly. The audience was spell bound by the lecture. The lecture has inspire the staff and students to do study of similar nature.

Mrs. Alaka Vaidya, Research Associate B. N. H. S. Mumbai gave an informative talk on “ Study of Moths “ She exhibited some photographs of moths of different families.

Our two students of T,Y.B.Sc. presented the papers

Sushama T.Y.B.Sc. Zoology, gave a talk on Screwworm fly.

Swapna T.Y.B.Sc. Zoology, gave a talk on Life cycle of Potter wasps.

Dr. R. P. Athalye. Reader, Zoology Department and Convener of the workshop, presented a talk on the “origin of the theme of the workshop wonderful world of insects”.

There was an overwhelming response from the students and staff not only from our college but from other colleges also. Among 210 participants 95 were from our college and 115 were from 18 other institutes. NGO's like WWF and BHNS Maharashtra also participated in the workshop.

College Level Seminar/workshop

Department of Information Technology conducted following seminars during the academic year 2008-09.

1. A seminar on “Careers in I.T” was conducted on July 19, 2008 in collaboration with Trimax.
2. A seminar on SAP was organized by I.T club in Collaboration with computer link on August 23, 2008 in I.T. Department.
3. A seminar by Web Dunia regarding Marathi webdunia.com was arranged on August 25, 2008 in Collaboration with the I.T club.
- 4 Seed Infotech conducted seminar on December 15, 2008 for T.Y.B.Sc I.T students. Their topic of discussion was DotNet .

Our N.S.S. unit conducted following seminars/workshops for N.S.S. students.

1. Workshop on ‘Personality development’ was organized in collaboration by NGO Akashara on July 31, 2008.
2. Seminar on ‘Aniti-superstition’ was organized in collaboration with Joshi Bedekar College, Thane on August 02, 2008
3. Workshop on ‘Gender equality’ was organized in collaboration by NGO Akashara on August 29, 2008. Workshop on ‘Eco-friendly Ganapati’ was organized in by NGO Enviro-vigil, on August 29, 2008.
4. Workshop on ‘women harassment’ was organized in collaboration by NGO Akashara on December 03, 2008.

Q.9 Research Projects

Sanctioned Projects for the academic year 2008-2009 : 02

Department	Project Title	Sanctioned by	Cost. Rs.	Duration	In-Charge Staff
Zoology	EIA (Environment Impact Assessment) Project (continued last years project)	Conservation Action Trust; Mumbai.	100,000/-	1 year	Dr. R. P Athalye
Chemistry	"Separation of endogenous inhibitor , Immobilization and properties pf PPO from onion leaves"	UGC, New Delhi	11,30,800/-		Dr. (Ms) A. S. Goswami-Giri

Completed Project : Till academic year 2006 – 2007 :

16

In academic year 2007 – 2008 :- 04

Department	Project Title	Sanctioned by	Cost. Rs.	Duration	In-Charge Staff
Zoology	'Study of Effect of Water PH on Embryological Development of Daphnia SPP'.	University of Mumbai	11,000/-	1 Year	Dr. Mrs. M.K.Pejaver
Botany	"Conservation of medicinally important Orchids in a Green house from the Western Ghats."	University of Mumbai	20,000/-	1 year	Dr. (Mrs.) M. S. Mulgaonkar
Zoology	"Epidemiological Surveillance of skin diseases among tribal in and around Thane".	University of Mumbai	11,000/-	1 year	Dr. Mrs V.D.Manjramkar
Zoology	EIA (Environment Impact Assessment) Project	Conservation Action Trust; Mumbai.	100,000/-	1 year	Dr.R.P Athalye

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: Following are the grants received for the academic year 2008-2009:-

Dr(Mrs).Anita .S.Goswami-Giri got approval for the project entitled
**“Separation of endogenous inhibitor , Immobilization and properties of
PPO from onion leaves”** from University Grants Commission , New Delhi.

The approved amount for this project is Rs. 11,30,800.

Q.13 Details of Research Scholars

Ans:

Number of Research scholars	Subject	At PG by research	For Ph.D /M.Phil	Synopsis /Thesis submitted	Degree Awarded	Name of the guide
13	Zoology	01(M.U.)	4(YCMOU) and	1 M.Sc 1 Ph.D.	01 for Ph.D.	Dr. (Mrs) M. K. Pejaver
		Nil	2 (M.U.) 1 M.Phil	Nil	1 M.Phil	Dr. (Mrs) N. N. Patil
		Nil	2 (M.U.)	03 for Ph.D.	2	Dr. R. P. Athalye
		Nil	1 M.U.)	Nil	Nil	Dr. (Mrs) S. V. Mahajan
01	Botany	Nil	1 (M.U.)	Nil	Nil	Dr. (Ms) M. S. Mulgaonkar
03	Botany					Dr. Ratanam
11	Chemistry	5	8			Dr. (Ms) A. Goswami
		1			2 M.Phil	Dr. M. N. Nyayate
02	Physics *	2	Nil	Nil	Nil	

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

***Dr. M. N. Nyayate**--one student is doing M.Sc. by research at I.I.T. Mumbai and other M.Phil at TIFR Mumbai.

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

Ans: During the process of technical up gradation of the server old data on citation index was deleted .Hence we do not have the relevant data for the year 2008-09. But the remedial action is taken and as a result we will be able to give the information for next academic year.

Q.15 Honors/Awards to the faculty

Ans

Department of Zoology

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

Was invited to present paper on 'Ingraining Science in young minds' on behalf of Jidnyasa Trust , Thane for National workshop on Science and technology communication in India- the way Forward on February 12, 2009 organized by Department of Science and and Technology, Govt. of India, at Raman Auditorium, New Delhi.

Working as 'Executive President' for Jidnyasa Vidnyan Munch which received National award for the year 2009, for popularizing science in young children. The award is Rs. one Lakh and a trophy.

Was appointed on the committee for the revised fee structure for unaided courses at P.G.Level of University of Mumbai.

Appointed as a Member of syllabus committee for S.Y.B.Sc and T.Y.B.Sc. Toxicology and Endocrinology by Board of Studies in Zoology University of Mumbai.

Was appointed on the committee to consider the requirements in respect of teachers for teaching M.Sc. on behalf of the university in the subject of zoology by University of Mumbai

Was invited to give a talk to the local community and the colleagues in CAT to deliver a lecture on 'Thane creek-Geography, pollution and climate change' on December 18, 2008 at Shivai Vidyamandir, Nahur.

Was invited as an expert for a workshop on “Right of admission to college, CBSE, ICSE, or SSC?” organized by Maharashtra Pradesh Rashtravadi Student Congress, Thane Branch on August 10, 2008 at TipTop Plaza.

Was invited as a resource person for 2 days workshop for Environment Education teachers of Jr. College on September 23, 2008 conducted by Kirti College of Arts Science and Commerce in collaboration with British Council, Mumbai held at British Council. Topic was People’s participation in conservation of environment

Was invited to write a series of four lectures on Thane Jilhachi Jaiv-vividhata (Biodiversity of Thane District) on Akashwani in the programme called Pariser, on November 20-24, 2008.

Was invited as chief guest for the annual gathering of New English school and Jr college Kalwa, Dist Thane on December 04, 2008.

Was invited as chief guest for the 39th prize distribution function in Nav-Bharat Education Society’s English Medium School and Jr. college Bhiwandi Dist Thane on December 18, 2008.

Was invited as a chief guest for 14th Clean and Green school Trophy presentation function organized by Lions Club of Bhiwandi on January 27, 2009 at Halari Visa Oswal Vidyalaya Railway Station Road Anjurphata Bhiwandi.

Was invited as a speaker to speak on ‘Careers in Science’ in the event ‘What next after S.S.C. and H.S.C.?’ in S. K. Somaiya college of Arts, Science and commerce on May 31, 2009.

Dr.(Mrs) N.N.Patil

Appointed as a Member of syllabus committee for S.Y.B.Sc and T. Y. B.Sc. by Board of Studies in Zoology, University of Mumbai

Was invited as subject expert by St.Xavier College, Mumbai on April 26, 2008.

Appointed as Vice Chancellors nominee on selection committee at Art, commerce and science college, Shivle Dist.Thane, on July 27, 2008

Appointed as University expert in subject of zoology at Modern college (Karmvir Baurao Patil college) Vashi, on September 19, 2008.

Dr.R.P.Athalye

Appointed as a Member of syllabus committee for S.Y.B.Sc and T.Y.B.Sc. Ecology, Ethology Environmental Science and Environmental Biology by Board of Studies in Zoology, University of Mumbai

Was invited as Guest lecturer to give lectures to M Sc II Entomology students at Pancham Khemraj Mahavidyalay, Sawantwadi. Dist. Sindhudurg in June 2008.

Working as the member on the editorial board of Yogamanthan Magazine. Published by Shri Ambica yoga kutir, Thane.

Worked as Judge for poster competition at the Conference on 'Students participation in clean creek movement organized by NGO Envirovigil for a project, on world wetland day February 02, 2009.

Was invited as Guest lecturer for Conservation Action Trust Mumbai at Kanjurmarg, on December 24, 2008.

Department of Botany

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

Was invited as Judge for National Children Science Congress 2008 (NCSC-2008) for the evaluation of the presentation of students on September 28, 2008 at New Horizon School, Airoli, New Mumbai.

Appointed as University expert in subject of Botany at Siddarth College, Mumbai for the placement of the teachers in the Senior/selection grade, on March 18, 2009.

Worked as reporter and also co-chaired the session at the two day national conference on "Sustainable management of agriculture – changing scenario in 21st Century” Organized by Department of Botany and Zoology in association with Directorate of Agriculture at NIO Seminar Hall, Dona Paula, Goa on February 05-06, 2009.

Dr. M. J. Kolet

Was invited as guest lecturer by American Joint Distribution commission (AJDC) Mumbai on May 11, 2008 to speak on the topic Key to Leadership.

Was invited to conduct plenary session at Rotary Youth Leadership Awards RYLA 2008 and deliver a lecture on “Developing a leader in you” held on September 20, 2008.

Worked as judge for “Children Science Congress” at district level, Thane District on October 02, 2008 and for Mumbai district on October 03, 2008 held at St. Francis Highschool, Mount Painsur Church Borivali, at Modern English School, Chembur on October 20, 2008 and at Govt. Madhymic Ashram shala Bhinar, Tal. Bhiwandi, Dist. Thane on November 25, 2008 for Special Tribal Children's Science Congress, and was invited as Evaluator of projects of state level NCSC held at Janshikshan Sanstha, Aurangabad on December 06-07, 2008.

Was invited to work as the member of evaluation committee of Dr Homi Bhabha Bal vaidnyanik Competition on February 23, 2009.

Appointed as Camp Adjutant NCC Training Camp, Mumbai October 18-27, 2008.

Was invited to guide students from Srirang vidhyalaya Thane for projects at Children's Science Congress, October-December 2008. This project was selected for National level competition which was held in Nagaland in December 2008.

Was invited to function as rapporteur at National Workshop on fungal enzymes, organized by Bhavan's Research Centre and Mycological Society of India, held at Bhavan's College, Mumbai, November 28, 2008 and January 11, 2009.

Dr. (Mrs.) M. Saha

Was appointed as a paper setter for M.Sc. Botany Semester II, 2009 by Sant Gadge Baba Amravati University, Amravati.

Was invited to join as local organizing committee for U.G.C. sponsored Two Day National Seminar on "Frontiers in Biotechnology, Proteomics, Genomics and Nanobiotechnology " on February 26 and 27, 2009 held at Birla college Kalyan..

- Dr. Moses J. Kolet and Dr. (Mrs.) M. Saha got the recognition for Ph.D. guide in the subject of Botany University of Mumbai.

Dr. V. M. Jamdhade

Is the co-editor of "Bionano Frontiers" a National Journal of Science and Technology.

Department of Chemistry

Mrs. M.P.Akolkar

Was invited as a resource person for the workshop on revised Syllabus of F.Y.B.Sc. at K.V.Pendharkar college Dombivali on July 09, 2008.

Was appointed as coordinator for Avishkar 2008 for Thane District on December 16, 2008

Was invited to join as local Organizing Committee for National conference on “Corrosion Prevention through Advanced Technologies” conducted by VPM's Polytechnic Thane.

V.S.Burkule

Was invited as resource person for the workshop on revised Syllabus of F.Y.B.Sc. at Kirti college on July 26, 2008.

Was invited as subject expert on August 26, 2008 at SGV and SSP's ASC College Onde Tal Vikramgad Dist Thane.

Was invited to work as Subject expert at Karmaveer Bhaurao college Vashi on September 19, 2008

Dr Ulhas Pandit

Was appointed as a member of the committee to revise Syllabus in analytical chemistry of T.Y.B Sc

Dr. M. V. Rathnam

Was invited as a guest lecturer for P.G. students at Gogate college Ratnagiri.

Mr. P.G.Bamane

Was invited as subject expert for the selection of the post of lecturer in Chemistry by Rayat Shikshan Sanstha

Was invited to work as Subject expert at S.G.V. and S.S.P.'s college on August 26, 2008.

Dr. Anita Goswami-Giri

Was invited to guide the teachers of Shri Sushilkumar Thirani Jr College regarding personality contest on December 03, 2008.

Department of Physics

Dr. M. N. Nyayate

Was invited as a guest lecturer at

- i) Karmaveer Bhaurao Patil College Vashi, on February 03, 2009.
- ii) Mehta college Vashi, on February 05, 2009.

Mr. Mr S G Bapat

Was invited as a guest lecturer at Karmaveer Bhaurao Patil College Vashi on February 02, 2009.

Department of Statistics

Mr. A.P. Patil

Was invited as chief guest on the occasion of one day program organized by the Department of Statistics, Z.B. college, Dhule , on January 29, 2009.

Was invited as visiting lecturer for 'Applied Statistics' course conducted by Advanced study centre.

Mrs.M.J. Gholba

Was invited as visiting lecturer for 'Applied Statistics' course conducted by Advanced study centre.

Mrs S.M. Phatak

Was invited as judge for personality development competition held by cultural committee of our college on December 22, 2008.

Department of Mathematics

Mrs M.T.Wankhede (Head of the Department)

Was invited as a guest by Youth Development Circle, Ambernath.

Was invited as a Chief Guest on the occasion of Send-Off function of 10th std students of Takhshashila Vidyalaya, Ulhasnagar on February 04, 2009.

Department of I.T. and computer Science.

Mr. A.A Kale

Was invited as Subject expert in

- i. Birla College Kalyan on November 11, 2008
- ii. K.C. College , Churchgate on June 18, 2008
- iii. VPM College , Mulund on April 29, 2008
- iv. Ruparel College, Mahim on May 09, 2008

Was invited as Guest Lecturer to deliver a lecture on the topic “Artificial Intelligence” at Joshi Bedekar College , Thane on August 11, 2008.

Appointed as a member on local inquiry committee of SNDT university.

Appointed as Coordinator for CAP by University of Mumbai, for T.Y.B.Sc I.T. examination, October 2008 and March 2009.

Department of Bio-technology and Microbiology

Ms Rani Singh

Was invited for the presentation of the paper on

- i. “Conservation of Medicinal Plants of Thane District, India in Ethnobiological conference held at Arkansas Fayetteville, Arkansas U.S.A. on April 15, 2008.
- ii. “Status of medicinal plants used by Bhil-bhilalas tribe in Jhabua district of Madhya Pradesh”, at the “National Conference on Biodiversity , Sustainable Development and Human Welfare” held at Ghogrey Science College, Dhule, MS, India on January 10 & 11, 2009.

Was invited to serve as Review Committee Member for online Journal of Ethnobotany Research and Applications

Mr.P.S.Mali

Received Maharashtra Gunagaurav Puraskar 2008 from Jai Hind Sevabhavi Sanstha Mumbai branch for the contribution towards community services.

Received Rashtriya Ekatmata Fellowship 2008 from Akhil Maharashtra Patrakar Sangh and Patralekhak Sangh.

Received “Samajratna Puraskar” for his contribution to the society from Saptahik Lakshmi Nivas on September 21, 2008.

Received “Maharashtra Ratna Puraskar 2008” by MaitrySanstha Mumbai for his contribution towards social and education field.

Received a certificate from “Bharatiya Manav Vikas Seva Sangh” Shahapur Dist Thane.

Received a certificate from “Samvedana Sevabhavi Sanstha Kalyan for his social work.

Worked as judge for Ganeshotsav Murti competition 2008 for Thane district on behalf of Indian express group.

Was awarded a certificate of appriciation for his contribution towards CET workshop held at K. A. Banthia Higher secondary school,New Panvel by Lions Club of New Panvel.

Was invited as guest lecturer at Sahyadri Jr. college, Bhandup Mumbai on January 02, 2009.

Q.16 Internal Resource Generated.

Ans UGC Funding

Our college has received Rs. 9,50,232 from UGC under Xth plan till year 2007 and Rs.7,76,832 from UGC under XIth plan till year 2009.

Department of Chemistry : Dr(Mrs).Anita .S.Goswami-Giri received Rs. 11,30,800 for a project entitled “Separation of endogenous inhibitor , Immobilization and properties of PPO from onion leaves”.

Research Grants

Department of Zoology has got the EIA (Environment Impact Assessment) Project by Conservation Action Trust; Mumbai. The project is approximate amount of Rs. 1 Lac.

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 Vidnyan Munch as an Executive president Science Wing through which many science related activities are conducted for school children.

Dr. R P Athalye.

- ❖ Conducted Yoga class for staff, students and NCC cadets of V. P. M. Institutes.
- ❖ works for the NGO Shri Ambica yoga kutir, Thane. He is on the editoal board of Yogamanthan Magazine and also associated with the Yoga training activities of Kutir.

Mr. A. P. Patil

- ❖ has founded “Senior Citizen Association”. He is the secretary of the association . Every month programmes on different topics related with senior citizens are arranged.

Mrs M. J. Gholba

- ❖ Is associated with “Shikshan Vikas Abhiyan” organized by Samarth Bharat Vyaspeeth, Thane.

Our students Kanchan Yadav, Surathia Kausar and Archana Tripathi of T.Y.B.Sc. Zoology, volunteered in the activities like drawing competition, paper bag making, pot painting, etc: in State level “Panda Festival” which was organized by WWF-India at Maharashtra Nature Park, Mumbai from December 11-13, 2008.

Our students Umesh, Trupti, Swamini, Sharmin of S.Y.B.Sc were helping children of ‘Sobati’- the institute conducting various activities for blind and disabled children.

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.	Assistance in college admission	Cadets helped parents and students during F.Y.B.Sc. admissions	College campus, Thane	
2.	Blood Donation Drive was organized jointly with NSS and LIONS Club	15 cadets donated 4500cc of Blood.	College campus, Thane	25 Aug 08
3.	Pulse Polio immunization programme	Cadets participated as volunteers	Thane	28 th Oct-2 nd Nov. and 25 th -30 th Nov 08.
4	Rally against 26/11 Mumbai terrorist attack	Entire unit participated in the rally	College campus, Thane	23 rd Dec. 2008
5.	Project in association with Jidnyasa Trust, Thane	5 cadets were deputed to train school children participating in Military School Activity		

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	22 nd 29 th June 08 6 th 13 th 20 th 27 th July 08 and 10 th Aug 08
			College Campus	1 st Aug 2008.
2.	Independence day Celebrations:	Flags made by the NGO, Hitech Family Enrichment Foundation, were sold and the amount collected was given to the NGO.		14 th Aug. 2008
3	Blood Donation Drive In Collaboration with Sir J. J. Hospital, Byculla	The students and teachers donated 130 bottles of Blood.	College campus .	28 th Aug 2008
4.	Gandhi peace march	Participated in a rally organized by Sarvodaya Mandal and N.S.S. unit of Mumbai university	University Stadium, Marine Lines, Mumbai.	2 nd Oct 08
5	Volunteers	During Ganapati immersion.	Masunda Lake	Sept 08
6.	Development in Shantivan	(I) 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.	16 th Oct.08 to 25 th Oct.08
7.	AIDS awarness Rally		College campus	1 st Dec 08
8	Peace rally	Participated in a rally human chain 'Mumbai for peace'	Sion circle	12 th Dec. 08
9	Participation in solidarity meet	To pay homage to Martyrs of 26/11	Shivaji park Dadar	20 th Dec 08.

Q.19 Teachers and officers newly recruited?

Ans: Newly recruited Teaching Staff

Regular Courses : 13 temporary

Self-Financing Courses : 08 temporary

Newly recruited Non-teaching Staff:

Class III 15 temporary.

Class IV 23 temporary .

Q.20 Teaching-Non-teaching staff ratio?

Ans: ➤ 59: 77

Q.21 Improvements in the library services:

Ans: Library plays an important role in academic development of the institution hence we always try to improve the library services after taking suggestions from students.

We have large collection of books and journals in the Library, accessible via our intranet facility as we have OPAC system.

Library provides Membership to the External Students with minimum charges.

Library is kept open on **Sundays and other holidays** one month prior to the commencement of Examinations.

Library Circulation section is now online.

One computer kept for students for Web OPAC search

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

Ans:

Subject	No. of new books		Expenditure Incurred	
	College	UGC	College	UGC
Zoology	31	6	16670	6982
Botany	4	5	7944	8055
Chemistry	41	7	24518	15149
Physics	39	17	14456	11652
Mathematics	31	9	10482	9478
Statistics	7	2	9544	5138
I.T.	194	-	71871	-
Biotechnology	19	-	15852	-
Comp. Sci.	53	-	22613	-
Microbiology	12	-	11946	-
General	19	11	18021	14832
F.C.	24	-	5805	-
Total	474	57	229722	71286

Periodicals :

	College	UGC	Amount Spent College	UGC Spent
Journals	39	-	46200	-
Magazines	16	-	8336	-
IT magazines	7	-	6054	-
Newspapers	10	-	10908	-
Total	72	-	71498	-

We have added following new journals

1. Mens Sana Monograph
2. The ICFAI University Journal of Science and Technology
3. The ICFAI University Journal of Biotechnology
4. The ICFAI University Journal of Soft Skills
5. The ICFAI University Journal of Information Technology
6. The ICFAI University Journal of Computational Mathematics
7. The ICFAI University Journal of Genetics and Revolution

Also we have subscribed for J-store . Our students and staff have an access to J- store in which there are 1415 journals.

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

Ans: This year we took student's assessment of teachers. After analyzing the collected data we are taking remedial action.

Q.24 **Unit cost of education:**

Ans: **For the aided courses:**

Unit cost of education comes to Rs. 57,852/- per student per year by taking in to account all expenses including salary of teaching and non-teaching staff.

Unit cost of education comes to Rs. 21,761/- per student per year if salary of teaching and non-teaching staff is borne by the Government.

For Self Finance Courses:

Unit cost of education comes to Rs. 28,491/- per student per year including salary and non salary expenses unit cost of education comes to Rs. 24,422/- per student per year considering only non salary expenses.

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

Ans: We are very proud to state that our management has started accepting the admission forms online from last five years. Our admission forms for all classes were available on web-site www.vpmthane.org. Students fill the forms online. Also computerization of following processes is already completed

- ✓ We have already developed application form using JSP technology. Hence post admission work like generating identity cards became easy.
- ✓ Attendance records of students attending lectures of T.Y.B.Sc., S.Y.B.Sc. and F.Y.B.Sc. is computerized.
- ✓ Our college examinations F.Y.J.C., F.Y. B. Sc. and S.Y. B. Sc. results preparation and printing of mark list are completely computerized.
- ✓ Our management has developed the FA/Pay Roll/Students Database Software Packages with Client-Server architecture.
- ✓ Identity cards are smart cards; printed in our library and issued on the same day of the admission.

Q.26 Increase in the infrastructural facilities:

Ans: ➤ **Department of Botany** This year renovation of the Botany was carried out. Botany department covers an area of 1,056 Sq. ft. It includes separate room for HOD, separate room for Lab assistant and separate room for teaching staff, all these rooms are well furnished along with computer and internet facility. There is well equipped lab and research lab. Lab area is 113 sq. ft. and all tables are with granite tops.

➤ **Department of Biotechnology and Microbiology :**

New Biotechnology laboratory was built up this year on the 2nd floor next to the Botany department with all essential facilities. Next to lab a separate classroom was built for biotechnology students. The departmental library facility is provided to the students with 5 computers having internet connectivity. Also separate air-conditioned rooms for laminar air flow and tissue culture are provided in the department. There is a separate room for teachers and HOD. With two computers with internet connection.

Sr. No.	Equipment purchased	Cost in Rs.	Details
1	Electrical balance - 0.1-500gm - Diamond	9,850	
2	Calorimeter - Equiptonics -	10,725	- mod no. - 651
3	pH meter with electrode -	11,270	Equiptonics-mod no. - 615
4	Autoclave - double wall -115(c)- 550mm * 350mm(20"*14") - 3 kw - Secor	33,600	
5	Incubator-18*18-500W- 3 shelf 51kg - Secor	82,100	
6	Shaker - 24" * 24" 1/4HP - Secor	33,200	
7	D/w assembly - 71(d) – 8 lit - 6kw - secor	11,200	
8	Centrifuge-110(d) and with motor head 111(f)	20,600	
9	Refrigerator - B steel	21,560	Godrej - mod no.- GFE - 36 DY/DZ/2008 J0043 and J0038
10	Light microscope - wf -10x - sr no.- 10221		mod no. - 777A - Metzger
11	Hot Air Oven		Meta-Lab,Mumbai
12	Vaccum Pump	27,891	Secor India, Ltd
13	PAGE vertical apparatus		Techno source Ltd
12	Electronic water-bath	4,960	Secor India Ltd

➤ **Department of Computer Science :**

New computer science laboratory was built up in this year on the 2nd floor. Lab is fully air conditioned with 38 computers with LCD display. All computers are in LAN with 24 hrs internet facility. There are four 8085- Microprocessor Kits.

There is separate cabin for the coordinator with computer with internet.

There is separate table for lab assistant / lab attendant with computer, internet and intercom facility. There are Cupboards for storage of material.

➤ **Gymkhana**

Additional area of 200 sq. ft is included in the gymkhana which will be used as gymnasium.

➤ **Department of Mathematics** has added:

One OHP Screen of worth Rs. 5000/-.

- ✓ This year we have added one common room for non teaching staff where they can relax in the lunch break.

Q.27 Technology Up gradation

Ans: Gunnebo India Ltd has successfully commissioned IP based Smart Card Access Control System integrated with our Entrance Control System i.e. Tripod SlimStile BE as a part of the Campus Access Management System at Vidya Prasarak Mandal (Thane College).

This is the first of its kind system to be used in Collages in India done by Gunnebo. The college campus has nearly 7 streams of various degree programs with nearly 15000 students attending.

The main task for the college administration was to keep a track on the student's movement in and out of the campus. The attendance for the students is also captured by the system.

The application software is used for central monitoring and full operation of personal movement tracking and Access Control System.

In the College, we have integrated the Access Control System with our Entrance Control System i.e. Tripod System and Vehicle Entry Boom Barrier. All employees' personal information is in application server and also resides on the smart cards used by the students and employees. For the visitor a separate tripod lane has been created. When a visitor reports to the security in-charge, the personal details of the visitor are fed in the database and also on to the Smart Cards. The security then issues a one day entry card for the college premises. Some of the important areas in the campus like the entries for Research Center; Computer Lab and Library are secured with Access Control System. In case if the student forgot to bring his smart card on a day, he will be allowed entry through the Visitor Entry Door and he has to get his attendance marked manually on the client software at the Admin block.

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

Ans: Computers are available in all departments as well as in the office and in the library. Hence internet access is very easy, and is made available free of cost. Computer and Internet facility is available at free of cost for research students and staff members for 24 hours from last five years.

Our all office and Library staff is well trained. We have a well developed, fully established IT Department, continuous consultancy is given to the teachers, office staff and Lab staff regarding new computer programs, if and when needed.

Q.29 Financial aid to students

Ans A) Scholarship

Sr.no.	Type of Scholarship	No. of students	Amount
1	SC	41	3,36,785/-
2	ST	04	39,140/-
3	NT	12	1,40,198/-
4	OBC	50	5,55,513/-
5	SBC	12	82,243/-
Total		119	11,53,879

B) Freeship

Sr.no.	Type of Freeship	No.of students	Amount
1	SC	58	4,59,777/-
2	ST	7	70,651/-
3	NT	31	3,09,984/-
4	OBC	91	5,18,992/-
5	SBC	17	1,38,489/-
Total		204	14,97,893/-

C) Other scholarships

Sr.no.	Name of Scholarship	No. of students	Amount
1	STW Freeship	2	2,670/-
2	Ex- servicemen	1	1,685/-
3	Research Fellowship	2	20,000/-
4	Jawan	2	3,370/-
5	Eklavya Arthik Sahayya	2	10,000/-
Total		9	37,725/-

Q. 30 Activities and support from alumni association:

Ans: Our past students always interact with college staff to extend this interaction with present students from last year we have decided to conduct some interaction sessions with the members of Alumni. The various programmes conducted in the academic year 2008-09 are as follows.

1.. Mr.Abhishek Rane (1st in zoology in Mumbai university 2007-2008) and Ms.Sonal Salvi (3rd in zoology in Mumbai university 2007-2008) were invited on Saturday 13/12/2008. Both of them gave their precious suggestions regarding the preparation for the examination. They guided the T.Y.BSc students regarding paper writing, the time management involved in it, how to study for the entire year.

2 Mr. Jitendra Pendharkar, another meritorious past student from Physics Department who is presently working as a lecturer in K. J. Somaiya College was invited on Monday 5/1/2009, he informed the students regarding different job and career opportunities after passing the B.Sc examination.

3. Mr. Vishal Khot, who is a bright past student from Chemistry Department, presently working with pharmaceutical company Pfizer (conecticket U.S.A), was invited on Wednesday 28/1/2009. He informed the students about the process for getting the admission in US universities. He also discussed about the courses available at those universities.

In all the response of the students for all the programmes was overwhelming and the students were benefited tremendously.

Q.31 Activities and support from the parent teacher association

- Ans:
- Frequent parent teacher meetings were organized by each department to discuss various issues regarding student's attendance, discipline, examination pattern, study tours, certificate courses, other facilities and academic performance of T.Y. B. Sc. Students.
 - The meeting of the parents of defaulter students of F.Y.B.Sc. and 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:
- 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, well known pscychatric and founder member of IPH.
 - From last three years we have started Mentor System which functions at student's level and counsel the students regarding the personal as well as career problems. If required we send student for interaction session with qualified psychiatrics.
 - We have well equipped gymkhana. Students avail of this facility to remain fit.
 - Yoga training courses are conducted at free of cost for students and staff in association with NGO Ambika Yoga Kutir. This year all N.C. C. cadets completed yoga training.

Q.33 Performance in Sports activities:

Ans: About 115 students from Junior and Degree College participated in Group Events as well as Individual Events in tournaments / competitions arranged by Zilla Parishad , University and State Level.

Group Participation and Achievements

1] Volleyball Tournament

This year our Degree college Boys team participated in Volleyball Tournament organized by Mumbai University. Our team reached **quarter final** in Inter collegiate tournament.

2] Cricket Tournament

Our Degree college team participated in Inter collegiate Cricket Tournament University of Mumbai under the able guidance of our cricket coach Mr.Shashikant Naik.

This year our Junior college team also participated in Tournaments organized by Zilla Parishad under the able guidance of our cricket coach Mr.Shashikant Naik.

3] Chess Tournament

Three Students of Degree college participated in Chess Tournaments organized by Mumbai University.

4] Badminton Tournament

Our Junior college Boys team participated in Badminton Tournaments organized by Zilla Parishad .

Our Degree college Boys and Girls teams participated in Badminton Tournaments Organized by University of Mumbai.

5] Table Tennis Tournament

Our Junior college Boys team participated in Table Tennis Tournaments organized by Zilla Parishad

Our Degree college Boys team participated in Table Tennis Inter colligate Tournaments of University of Mumbai.

6] Athletics

Our Degree college Boys team participated in Athletics Inter colligate Tournaments of University of Mumbai.

7] Swimming

Our Junior college Girls team participated in Swimming Tournament organized by Zilla Parishad

8] Carrom

Our Junior college Boys team participated in Carrom Tournaments organized by Zilla Parishad .

Our Degree college Boys team participated in Carrom Tournaments organized by University of Mumbai .

9] Football

Our Degree college Boys team participated in Football Tournament organized by University of Mumbai

Individual Participation and Achievements

	Name	Tournament /Competition	Medal	Organized by
1	Mr. Raool Aditya A.	YOGA	Gold selection for state level	Zilla Parishad
2	Miss . Attar Karishma	Taekwondo	Gold	Zilla Parishad
3	Miss. Shinde Tejashree V.	Swimming 100m Butterfly(W) 200 m Back stroke (W)800 m Free style (W)	Bronze	University of Mumbai
4	Mr. Kamble Krupal Baban	Best Physique	Gold	University of Mumbai

Our students participated in intercollegiate competition organized by Dr.D.Y.Patil College and got following the prizes

1. Kocharekar Pradnya T.Y.BSc IT and.Chakravarty Shailesh S.Y.BSc got 1ST place in Carrom Doubles Competition
2. Savla Komal T.Y.BSc. IT got 1ST place in Carrom Singles Competition
- 3 **K**amble Sonesh T.Y.BSc. Prabhu Bhushan S.Y.BSc. Thorat Omkar S.Y.BSc/. Mawri Ranjeeta S.Y.BSc got 1st place in Treasure Hunt Competition
- 4 Kadam Anish S.Y.BScIT 1st place in Table Tennis (Singles)
- 5 Sawant Pratik S.Y.Biotech 2nd place in Table Tennis (Singles)

OUR COLLEGE Received **“BEST COLLEGE AWARD”** for Winning **Maximum prizes** in Competitions at Dr.D.Y.Patil College.

Our students participated in intercollegiate competition organized by SIES College Of Commerce and Economics and got the following prizes

1. Carrom Doubles Competition

Vishal Madhavi T.Y.BSc and. Chirag Kamble S.Y.BScIT got 1st place **and** Ajay Gupta T.Y.BSc IT and Kunal. Naik T.Y.BSc IT got 2nd place

2 Table Tennis (Singles)Competition

Kadam Anish S.Y.BScIT got 1ST PLACE and
Sawant Pratik S.Y.BIOTECH got 2nd PLACE

Annual Sports Activities

Indoor Activities were held from December 05-17, 2008. Annual Sports Meet was organized on December 20, 2008 on college ground. Students participated in various events. In order to show respect to the victims of terrorist attack on Mumbai, on November 26, 2008, teachers decided not to celebrate these sports events.

General Championship were awarded to the following Students

Students Name		Class
Yadav Shivshankar Rajnarayan	Degree College	S.Y.BSc
Ganoo Pushkar Mahendra	Junior College	F.Y.J.C.
Kocharekar Pradnya Shivaji	Degree College and Junior College Girls	T.Y.BSc.

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. Also we give them traveling and other expenses incurred to attend competitions.
 - College bears traveling expenses and daily expenses of the students who participate in the intercollegiate and university tournaments.

Q.35 Student achievements and awards:

Ans: Academics

➤ This year four of our T. Y. B.Sc. students secured place in the merit list of University of Mumbai in T.Y.B.Sc. Examination held in March 2008.

1) Mr Milind Kokate stood 3rd rank in the merit list of University of Mumbai and stood 1st in the subject of Statistics.

2) Ms. Umalaxmi Birajdar secured 2nd rank in the merit list of Mathematics in University of Mumbai

3) Mr Rane Abhishek stood 1st in the merit list of Zoology in University of Mumbai.

4) Ms Sonal Salvi secured 3rd rank in the merit list of Zoology in University of Mumbai.

These students were felicitated at University of Mumbai on September 10, 2008 in the hands of honorable Vice chancellore Dr. Vijay Khole..

➤ Mr. Uday A. Shisve completed project work for M. Phil. in Zoology under the guidance of Dr.(Mrs) N. N. Patil , and got M. Phil. degree with Ist class from Alagappa University, Karaikndi.

➤ Ms Pallavi Nagvekar completed her M. Sc. (By Research) in Botany under the guidance of Dr. N. S. Takale in August 2008.

➤ Ms. Gayatri Sagade submitted her thesis for M.Sc. (by research) in Zoology under the guidance of Prin. Dr.(Ms) M.K. Pejaver in April 2009.

➤ Miss Mira.M.Nair of M.Sc I Chemistry received First Prize for her presentation:- Role of chemicals in diseases and disorders.

➤ Mr. Rupesh Torkari of T.Y. B.Sc received First Prize for his poster presentation on Green Chemistry.

➤ Mr.Abhishek Joshi T. Y. B.SC.(Maths) got through the TOFEL examination with 7.5 grade points.

➤ Ms. Savitri Kambali and Mr. Prathemesh Chougule both our F.Y.B.Sc. Microbiology students completed their industrial training in Microbiology in Ethypharma II Pvt. Ltd., Ambernath.

- Our eight students Ajay Jha, Nitin Mhatre, Ibrahim Makbul, Sanjay Sawant, Rahul Gupta, Mahendrakumar Gupta , Vrushali Badgujar and Gayatri Sagade received Post graduate merit scholarship.

Participation in Various conferences/ Seminars

1 Mr. Sameer N. Surve research student of Dr. Mrs M.S. Mulgaonkar Department of Botany,



- i. Presented a paper on “Medicinally important Orchids of Sahyadri region” in “National Conference on Orchids: Science and society and orchid show” held at Central College campus, Bangalore on April 10 & 12, 2008.
 - ii. Participated in the “National conference on biodiversity, sustainable development and human welfare” sponsored by University Grant Commission (W.R.O.) Pune and Organized by P.G. Department of Botany, S.S.V.P.. Sanstha’s L.K. Dr. P.R. Ghogrey Science College, Dhule. (M.S.) on January 10 & 11, 2009.
- 2 Ganesh Kadam Stood 3rd in intercolligate Paper presentation competition held at R. J.College , Ghatkopar on December 05-06, 2008.
- 3 Saikumar Dudam and Pratik Sawant participated in Microlog Ruia college, Matunga on December 01, 2008.
- 4 Prajakta Bagade and Ashwini Lahire stood 2nd in Science exibition, a Project Competetion held at CHM College, Ulhasnagar on December 15, 2008.
- 5 Five students of S.Y.B.Sc participated in the one Day Inter-Collegiate Workshop on “Vedic Mathematics and its Applications” organized by Motilal Jhunjhunwala College on December 15, 2008.

Sports

Our students participated in intercollegiate competition organized by Dr.D.Y.Patil College and got the prizes

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3. Kamble Sonesh T.Y.BSc., Prabhu Bhushan S.Y.BSc., Thorat Omkar S.Y.BSc Mawri Ranjeeta N.S. S.Y.BSc. got 1st place in Treasure Hunt Competition
4. Kadam Anish S.Y.BScIT 1st place in Table Tennis (Singles)
5. Sawant Pratik . S.Y.B.Sc. Biotech 2nd place in Table Tennis (Singles)

Our students participated in intercollegiate competition organized by SIES College of Commerce and Economics and got the prizes

-  Vishal. Madhavi T.Y.BSc and. Chirag. Kamble S.Y.BScIT got 1st place and Ajay Gupta T.Y.BSc IT and Kunal Naik T.Y.BSc IT 2nd place in Carrom Doubles Competition
-  Kadam Anish S.Y.BScIT got 1st place and Sawant Pratik S.Y.Biotech got 2nd place in Table Tennis (Singles) Competition

Cultural

1. Eighty students from our college participated in the intercollegiate competition festival “Paramount” organised by Dr.D.Y.Patil College, Nerul. Apart from winning best prizes in individual performances, our college also won the “**Best College**” title for all round performances. Mr.Pramod Patil from M.Sc. won a round trip air ticket for Bangkok, Thailand.
2. Ms Trupti Kini and Ms Kanchan Lovalekar of S.Y.J.C. received consolation prize inter collegiate Quiz contest held at Chetana's H.S. College Mumbai.

3. Prachi Arun Ambavane has achieved “Visharad” in Katthak(Classical dance) from Akhil Bharatiya Gandharve Institute . She has given her performances at “ Gadkari Rangayatan” Thane and “Brahmin Mahavidyalaya” Thane.
4. Shruti Shotri stood 2nd [Runners up] in T-shirt painting competition held at Ruia college Matunga on December 01, 2008.
5. Ganesh Kadam and Kaynath C. stood 3rd in Quiz competition held at R. J.College , Ghatkopar on December 05-06, 2008.
6. Swapnil lambe of (F.Y. Micro) stood 1st in Rang de Culture competition held at Birla College, Kalyan on January 03, 2009.

Name of the Student	Name of the Award	Date	By Whom	Reason
Trupti Kini	3 rd Prize Certificate and Trophy	18/7/2008	N.E.S's Ratnam College Inter Collegiate	Inter Collegiate Poetry recitation Competition
Gayatri Oak	1 st prize Certificate and Trophy	18/7/2008	N.E.S's Ratnam College	Inter Collegiate Story Telling Competition
Trupti Kini and Kanchan Lovalekar	Consolation Prize	23 /7/2008	Chetana's (BMS)	Inter Collegiate Quiz Competition Chakraview 2008
Gayatri Oak	Special achievement certificate	17/9/2008	Chaturang Psthan	Vidyadhar Gokhale Karandak Elocution Competition

N.C.C.

1. Deepak Dalvi won 1st position in cross-country event at Battalion level and was awarded Gold medal
2. Vinayak Thombre was awarded best cadet medal and trophy .
3. Subramanyan Konar was awarded Best cadet Award from Science faculty.
4. JUO Akash Dalvi was selected and participated in Republic Day Camp and RD parade in New Delhi (January 26, 2009)

Literary Association

We encourage our students to participate in various competitions held by different organizations outside the college campus on literary events. This year 29 students participated in various intercollegiate Competitions.

Dramatics committee :

Presented drama “EKvaja Kshana” in I.N.T. Competition

Magazine committee.

Omkar Kulkarni designed the Cover page of the college magazine “Sanyuja”. The theme of the cover page was fight against terrorism, unity among masses and peace among other nations. His achievement at this age is appreciable.

Q.36 Activities of guidance and counseling unit:

Ans: We have Placement and Career Guidance cell, called “Grab IT”, through which we conduct lectures, seminars, workshops etc.

From last two years we have started Mentor System which functions at student’s level and counsel the students regarding the personal as well as career problems. Considering the hesitation that students feel in opening up to strangers, Class-Mentor system is useful.

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'. This year the effect of the recession is observed at the college end hence the number of companies visited were less. Campus interviews of various companies were arranged this year and its details are as follows:

Interview date	Company Name	No. of students appeared	No. of students selected
04/07/2008	Dent Aids	06	01
22/08/2008	Patni Computer	120	09
26/11/2008	Wipro BPO	18	04
16/01/2009	Apex limited	33	06

Q.38 Development programme for non-teaching staff

Ans:

- Yoga classes were held from July to September (every Wed and Saturday) and from November to January (every Wednesday and Saturday). 12 non-teaching staff completed yoga training.
- College Gymkhana committee arranged Carom, Table Tennis Tournaments for the non-teaching staff members.
- We send our non-teaching staff to participate even in intercollegiate tournaments for cricket and other sports.
- Mr. Ganesh Patil from I.T. department completed hardware training from IT Source, Thane. He was sponsored by college for the same.

Q.39 Healthy Practices of the institution

Ans: Following healthy practices are started this year.

Pasting Hallograms to our Marksheets to avoid malpractice of any kind and to have more security.

Of honoring the retiring non teaching staff by presenting him/her a memento and the certificate of honour at the time of send off function. This is a guesture to express the gratitude towards their services.

Our sister institute Joshi , Bedekar Arts and commerce college located in the same campus has started film society through which we screen many films. Our students can enroll as member of this.

Following healthy practices are continued this year.

- Inaugural lecture was arranged for S.Y. B.Sc. and T.Y. B. Sc students on 9th June 2008 and for F.Y. B.Sc. students on July 11, 2008, to explain the rules and regulations of the college and facilities provided by the college using audio-visual facility.
- Zoology department has continued the following practices,
 1. A computer has been made available to all students for Internet as well as other facilities; the computer is kept in degree lab so that it will be accessible to the students. The students are using the facility as per need.
 2. Instrument diary has been introduced for all-important instruments in which entries will be made while using the instruments. This will help in proper utilization and maintenance of the instruments.
 3. Research lab has been kept available to students and staff, who can work late in the evening and also on holidays.
- Chemistry and Botany department's Research laboratories are also available for research students to work late in evening and even on holidays.
- 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. This leads to 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.
- Publishing of the annual magazine, which gives students a way to express their creative writing potential.
- “Shri Satyanarayan pooja” was organized on 14th August 2008 in the gymkhana.
- College Gymkhana committee arranged Carom, Table Tennis Tournaments for the non-teaching staff members. Our teachers decided that they will not celebrate sports day this year to pay homage to the Martyrs of the attack on Mumbai.
- **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 we conducted classes in 3 batches.

1st batch (June 27, 2008 to August 01, 2008.)

- Total 25 students including staff, joined the yoga training. 7 students and 3 staff completed the training. 5 students completed shuddhi kriya however could not complete the course. The training was completed on July 25, 2008 and certificates were given away on August 01, 2008.

2nd batch (August 05, 2008 to September 23, 2008)

- To make it convenient to Junior college students of XI std. this batch was organized on every Tuesday from 9:00 a. m. to 11:00 a.m.

Initially 85 students joined the training course. 48 students completed the course; girls were more in number. Certificates were given on September 23, 2008. Shri Ajit Ghangrekar from Shri Ambika Yoga Kutir had come as chief guest..

3rd Batch (August 06, 2008 to October 01, 2008)

This batch was arranged especially for NCC (Girls) students. Initially 70 students, which included girls NCC cadets from Arts, Commerce and Science colleges, and other students also, joined the training class. However due to NCC camps and examinations during the training period, the class schedule got disturbed and only 12 students completed the training. NCC officer Mrs. Joshi from Joshi Bedekar Arts and Commerce College took keen interest in the training activity.

College school complex: Like every year students from different schools approached our college for guidance for various projects. For children science congress the focal theme selected In this academic year was – "Planet Earth: Our Home Explore, Care and Share" and sub themes were: Atmosphere: Weather and Climate, Sky and air pollution under the headings:-

1. Energy
2. Lithosphere - Soil, Land and Agriculture
3. Biodiversity
4. Hydrosphere-Water and Wetlands
5. No sphere- Human Influence on Environment

Projects taken by the students from

- ✓ Bedekar Vidya Mandir: Thane
 - 1. Physical properties of soil
 - 2. Flora present in the school campus
 - 3. Fauna (insects) present in the school campus
- ✓ Shreerang Vidyalyaya ,Thane
 - 1. The ecosystem on a decaying log of wood
 - 2. Documentation of the change in food habits in school children
 - 3. Weather forecasts to monitor variations in climate
- ✓ Saraswati Vidyamndir Thane
 - 1. Flora in the in the society campus at Runwal nagar, Thane

The guiding teachers were Dr. (Mrs) N.N. Patil, Zoology Department, Dr. (Mrs) M.U. Borkar, Biology Department, Dr. R.P. Athalye, Zoology Department, Dr Moses Kolet, Botany Department.

- Our aim is to generate awareness among students. Hence with the help of Swami Vivekananda Kendra Thane ,an exhibition of books and portraits of Swami Vivekananda was arranged in our college on September 11-12, 2008.
- I.T department started with book bank facility for all I.T students where a book of each subject /paper is issued among a group of students of 6 or 7 for a period of six months i.e till the end of semester because each student cannot afford to buy book or take a book from library for a period of six months. This has helped students to easily manage with the costly books and can thus use the library more efficiently.
- Department of Biotechnology and Microbiology has started 'Journal Club' which is useful for the students to read research papers of the eminent scientists not only Indian but across the world, and learn recent trends and development in the concerned subject.

➤ Staff Academy:

We organize felicitation programme for retiring staff. This year on 29th April we gave farewell to Mr. Phegade from chemistry department and Dr. N.S. Tekale from Botany department. Then on 30th August 08, we gave farewell to Mr. P.K. Bhat and on December 24, 2008 to Mrs. C.P. Shikarkhane both from Physics department.

This year felicitation function of meritorious students was arranged on August 27, 2008. Four of our T. Y. B.Sc. students came with flying colours in University of Mumbai in T.Y.B.Sc. Examination held in March 2008.

- 1) Mr Milind Kokate stood 3rd rank in the merit list of University of Mumbai and stood 1st in the subject of Statistics.
- 2) Ms. Umalaxmi Birajdar secured 2nd rank in the merit list of Mathematics in University of Mumbai
- 3) Mr Rane Abhishek stood 1st in the merit list of Zoology in University of Mumbai.
- 4) Ms Sonal Salvi secured 3rd rank in the merit list of Zoology in University of Mumbai .

These were felicitated by the college in a special programme arranged by staff academy at the hands of DR. K.B. Sainis-HOD Immunology, Bio Science , Radiology, BARC, Mumbai.

- This year five of our non teaching staff retired Mr. B.B.Jadhav Senior Clerk May 31, 2008. Mr. C.N.Karnik Lab Assistant on June 30, 2008. Mr. H.R.Dhami Lab Assistant on August 31, 2008. Mr.Y.V.Desale Lab Attendant September 30, 2008 and Mr.B.P.Mahashabde Lab Attendant on March 31, 2009. For all of them send off functions were arranged and they were felicitated by giving memento and the certificate.

This year also 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.

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. and I.I.T. for our research/project work.
 - Under the guidance of Dr. M. N. Nyayate--one student is doing M.Sc. by research at I.I.T. Mumbai and other M.Phil at TIFR Mumbai.
 - We have continued our association with NGO
 1. Hariyali,
 2. HOPE,
 3. Enviro-vigil.

These are related to Nature and social work for environmental activities such as tree plantation, water conservation solid waste management, science projects.

4. Akshara: functioning for activities of women development cell.
5. Jidyasa : functioning to develop awareness for science among school children.
6. Sobati: :functioning of various activities for blind an disabled children and to help them to develop creativity.

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

Ans: We run graduation courses in Physics, Chemistry, Mathematics, Zoology, Botany, Statistics, Information Technology, Biotechnology, Microbiology and computer Science affiliated to University of Mumbai. We also run post graduation courses by papers in Chemistry and Information Technology while by research in Botany, Chemistry and Zoology. We also have Ph. D. courses in Botany, Chemistry and Zoology.

In addition to this we run B. Lib., M. Lib. and Journalism Courses of Yashwantarao Chavan Maharashtra Open University. Also we have Ph. D. courses of Yashwantarao Chavan Maharashtra Open University.

Our result for the academic year 2007-2008 are as follows

(Mumbai University)

CLASS	PASSING %
F.Y. B. Sc	(82.02)*77.4
S.Y. B. Sc	(97.26)* 93.35
T.Y. B. Sc	81.00
F.Y. B. Sc (I.T.)	90.68
S.Y. B. Sc (I.T.)	94.20
T.Y. B. Sc (I.T.)	84.37
M. Sc part I (I.T.)	83.33
M. Sc part II (I.T.)	100.00
M. Sc. part I(Chemistry)	77.00
M. Sc. part II(Chemistry)	92.00

* Bracketed values

represent passing % with A.T.K.T.

(Yashavantrao Chavan Maharashtra Open University)

Class	Passing Percentage
B. Lib.	51.05
M. Lib	31.00
Journalism	54.05

During the current academic year 2008-2009, our staff members and research students have published research papers in various scientific research journals/ presented during conferences.

Department of Zoology and Department of Statistics

Principal Dr. (Mrs) M.K. Pejaver and Mrs M. J. Gholba

Sr.No	Name of the paper	Reference
1	Study of Phytoplankton population in lake Masunda, Thane, employing multivariate analysis	Eco, Env. And Cons. 13(4):2008:pp.(847-848) (With Dr.Mrs. Vaishali Somani)

Department of Zoology

Principal Dr. (Mrs) M.K. Pejaver

Sr.No	Name of the paper	Reference
1	Comparitive Study of effect of three different types of food on population density of freshwater rotifer Monostyla sp.	Aquatic Ecology, 2008, VOL. 1. PP 148- 156 (with Sampada Ketkar)
2.	“Study of Water quality of Jail and Kalwa lake Thane Maharashtra”	J Aqua.Biol.Vol. 23 (2), 2008, 44-50. (with Minakshi Gurav)

Dr.R. P Athalye

Sr.No	Name of the paper	Reference
1.	A New species of Metricaulacus Schwarz,1901, from Maharashtra, India	Bionano Frontier, vol 2 (1) Jan 2009-June 2009. pp. 15- 17 (with - Amol Patwardhar, G. Platia)
2.	Genera of click beetles (Coleoptera : Elateridae) from Maharashtra	Proc. Sem. ‘Wonderful world of insects’3 Dec.2008.pp47-50
3	“A New Species of Xanthopenthes Fleutiaux 1928 from Maharshtra, India (Coleoptera:Elateridae)	Genus Vol.19 (4): 675-678 (with - Amol Patwardhan)

Department of Botany

Dr. M. J. Kolet

Sr.No	Name of the paper	Reference
1.	Mycoflora associated with Biodeterioration of paper from Mumbai and Thane region of Western India.	Bionano Frontier Vol.2 (1) 2009: 68-70
2	Studies on Insects encountered during Compost preparation, with special reference to fly breeding menace	Proc. Sem. 'Wonderful world of insects' 3 Dec.2008.

Dr. (Mrs.) M. Saha

Sr.No	Name of the paper (REVIEW ARTICLE)	Reference
1.	DNA Nanotechnology – The journey forward.	Bionano Frontier Vol.2 (1) 2009: 1-4

Dr. V. M. Jamdhade

	Name of the paper	Reference
1.	Studies on Seed Mycoflora of Green gram and Black gram	Bionano Frontier Vol.1 (2)- 2008:137-139
2	Effect of Multi-micronutrient Application through Soil and fertigation on sweet Orange Production	Bionano Frontier Vol.2 (1) 2009:85-87
3	In Vitro multiplication of important horticulture crop Banana (Musa paradisica L).	Bionano Frontier Vol.2 (1) 2009:124-126

Department of Chemistry

Dr. M.V. Rathanam

Sr.No	Name of the paper	Reference
1	Simultaneous RP HPLC Determination of Camylofin Dihydrochloride and Paracetamol in Pharmaceutical Preparations.	Ind. Anal. Chem. Vol 7,11.2008.
2	Excess Volumes of Binary Solutions of Methyl Formate, Ethyl Formate, Propyl Formate and Benzyl Acetate with Bromo-, Chloro and Nitrobenzenes at (303.15, 308.15, and 313.15)K	J. Chem. Eng. Data 2008, 53,265-270 USA
3	Interaction studies in binary liquid mixtures of methyl formate with o-, m-, and p-xylenes using viscosity data at 303.15 K	Indian Journal of Chemical Technology Vol 15, July 2008, pp 409-412.
4	"Thermophysical Properties of Isoamyl Acetate or Methyl Benzoate +Hydrocarbon Binary Mixtures, at (303.15 and 313.15) K	J.Chem.Eng.Data 2009 54, 305-309

We conducted the elimination round for Inter-collegiate Research festival **Avishkar 2008-09 for Thane District**, on December 12, 2008 in our college. For Thane District Prin. Dr (Ms) M. K. Pejaver was appointed as chief coordinator and (Ms) M. P. Akolkar as coordinator for Thane District by University of Mumbai. We received six entries from different colleges. Mr. Vitthal Sontakke from Kirti college Mumbai, Mr Sanjay Talokar, Training and placement Officer SIES Nerul, Ms Sailaja Ravindranath Vice Prin SIWS Wadala Mumbai, Dr Vikas Vaidya Ruia College, Mumbai and Dr S. S. Barve Vaze College Mulund Mumbai worked as Judges for the 'Posters and Presentations' for Research Festival Avishkar 2008-09.

Our teachers participated in various seminars / workshops/ conferences.

Department of zoology

- All the staff members of Zoology department attended the 2nd preparatory workshop on "Wonderful World of Insects" held on 26th August 2008.
- All the staff members of Zoology department participated and worked in the organizing committee for the National conference on Wonderful World of Insects organized by Department of Zoology , on December 03 ,2008.
- Principal Dr (Mrs) M.K. Pejaver attended
 - i. Two days workshop for Environment Education teachers of Jr. College on September 23, 2008 conducted by Kirti College of Arts Science and Commerce in collaboration with British Council, Mumbai held at British Council. She delivered a lecture on "People's participation in conservation of environment".
 - ii. a workshop on " Right of admission to college, CBSE, ICSE, or SSC?" organized by Maharashtra Pradesh Rashtravadi Student Congress Thane Branch on August 10, 2008 at TipTop Plaza.

- iii. National workshop on Science and technology communication in India- the way Forward on February 12, 2009 organized by Department of Science and and Techology, Govt. of India, at Raman Auditorium, New Delhi.
- Dr. R P Athalye, Dr. (Mrs)N.N. Patil Dr. K. M. Pariya and Mr S. D. Rathod attended National Conference on Marine Biology to Marine Biotechnology at D. G. Ruparel College, Matunga, Mumbai on January 18-20, 2009
 - Dr. R P Athalye, Dr. (Mrs)N.N. Patil attended two days work shop on Biodiversity- the Web life organised by Kirti M. Doongursee College , Dadar on March 21 & 22, 2009.
 - Dr. (Mrs)N.N. Patil attended a workshop on “ Preparation of RAR” organized by Jhunjhunwala College Ghatkoper on April 25, 2009.
 - Dr.K.M.Pariya attended the Workshop on Bioethics conducted by Joshi Bedekar College, Thane.

Department of Botany

- Dr. (Mrs) M.S.Mulgaonkar
 - participated and presented a paper
 - i) at a national conference on Orchids: Science and Society and Orchid Show organised by The Orchid Society of India at Central college Banglore University, Banglore between April 10-12, 2008.
 - ii) in a UGC sponsored National seminar on ‘Initiatives for creation, Sustainable Utilization and Retention of Wealth’ on July 14-15, 2008 organized by Department of Botany Deogiri college, Aurangabad.
 - attended in the deliberation of the “National conference on biodiversity, sustainable development and human welfare” sponsored by University Grant Commission (W.R.O.) Pune and Organized by P.G. Department

of Botany, S.S.V.P.. Sanstha's L.K. Dr. P.R. Ghogrey Science College, Dhule. (M.S.) on January 10-11, 2009.

- attended in Zonal work-shop on 'Gender Sensitization; held by Women Development Cell, University of Mumbai and Dnyansadhana College, Thane on 21st and 22nd August, 2008.
- attended two day National Seminar on "Frontiers in Biotechnology: Proteomics, Genomics and Nano-biotechnology" held at Birla College on February 27-28, 2009.
- Dr. (Mrs.) M. S. Mulgaonkar, Dr. M. J. Kolet, Dr. (Mrs.) M. Saha, Ms. N. Y. Dalvi and Ms. S. V. Raut participated in Workshop on "Wonderful world of insect" held in B. N. Bandodkar College of Science, Thane on August 26, 2008.
- Dr. M. J. Kolet, Dr. (Mrs.) M. Saha, Dr. V. M. Jamdhade, Ms. N. Y. Dalvi and Ms. S. V. Raut participated in the National seminar on "Wonderful world of insect" held in B. N. Bandodkar College of Science, Thane on December 03, 2008.
- Dr. M. J. Kolet attended two days work shop on Biodiversity- the Web life organised by Kirti M. Doongursee College , Dadar on March 21-22, 2009.
- Dr. V. M. Jamdhade attended one Day State Level Seminar on Role of the Reservation Policy in Uplifting the Underprivileged Sections of India on August 23, 2008, at Bhavans College, Mumbai.
- Ms. Shraddha Raut attended UGC sponsored state level conference on "Recent Trends in Mycology, Plant Pathology and Microbial Biotechnology" on September 26-27, 2008 at Vijapur organised by Vinayakrao Patil Mahavidyalaya.

Department of Chemistry

- Mr V.S.Burkule attended a seminar on “Education in Australia on June 14, 2008 at Jhunjhunwala College.
- Mrs.M.P.Akolkar and Mr. V.S.Burkule attended the workshop on “Wonderful World of Insects” held on August 26, 2008.
- Mrs.M.P.Akolkar Mr. P.G.Bamane, Dr.Mrs A.S.Goswami and Mrs P. Chanda attended the National conference on October 18, 2008 on “Corrosion Prevention Through Advanced Technologies” conducted by VPM's Polytechnic Thane.
- Mrs. M.P.Akolkar attended
 - i) a UGC sponsored state level seminar on ‘Alternative resources for NAAC’ organized by Vaze Kelkar college Mulund on November 29, 2008.
 - ii) the National conference on Wonderful World of Insects organized by Department of Zoology , B.N. Bandodkar College of Science on December 03, 2008 .
- Mrs. M. M. Ranade. participated in National conference on Environment Management : Watch your carbon foot print , organized by K.J.Somaiya College of Science and Commerce , Vidya vihar Mumbai on January 23-24,2009

Department of Physics

- Mrs. S.S. Meshram attended a state level seminar arranged by B.C. cell of Bhavans college On “The status of SC, ST and Minorities due to the reservation policies” on August 23, 2008

Department of Mathematics

- Mrs. M.T.Wankhede attended seminar on “The status of SC, ST and Minorities due to the reservation policies” organized by Bhawan’s College on August 23, 2008.

Department of Statistics

- Mr. A.P. Patil and Dr. (Mrs.) K.D. Phal attended
 - i) the seminar on “Recent Developments in Statistics ” held by Department of Statistics, University of Mumbai on September 20, 2008.
 - ii) the Chakravarti memorial lecture series arranged by Department of Statistics, University of Mumbai in September 2008.
- Mrs M. J. Gholba attended
 - a seminar on “Education in Australia” on June 14, 2008 at Jhunjhunwala College.
 - a UGC sponsored state level seminar on “Alternative resources For NAAC” organized by Vaze Kelkar college Mulund on November 29, 2008.
 - a workshop on “ Preparation of RAR” organized by Jhunjhunwala College Ghatkoper on April 25, 2009.

Department of Information Technology and Computer Science

- All Staff members of the department participated in the seminar 'Security in Arms' on February 07, 2009.

Department of Bio- Technology and Microbiology

- All Staff members of Biotechnology attended a 2nd preparatory workshop on 'wonderful world of insects'.
- Miss **Rani Singh** attended and presented paper
 - i. on 'Conservation of medicinal Plants of Jhabua district, M.P, India' in "31 st Ethnobiology conference " held at University Of Arkansas, Fayetteville, Arkansas ,U.S.A.on April 15-20, 2008.
 - ii. On the conservation strategies for endangered medicinal plants used by tribals in Central India. Oral Presentation in "International Medicinal and Aromatic Plants Conference on Culinary Herbs" held at Diwan Talya Hotel, Antalya, Turkey April 29 - May 04, 2008.
 - iii. On 'Status of medicinal plants used by Bhil-bhilalas tribe in Jhabua district of Madhya Pradesh,' in "National Conference on Biodiversity, Sustainable Development and Human Welfare" held at Ghogrey Science College, Dhule, MS, India on January 10 & 11, 2009.

Department of Library Science

➤ Ms Kadambari Kardekar attended

One Day State level Seminar on Re-accreditation on February 16, 2009 at Kelkar College, Mulund.

Three days International conference on November 12-14, 2008 on Knowledge for all at Tata Institute of Social Sciences, Deonar, Mumbai.

Two days Seminar for Counsellors of Yashwantrao Chavan Maharashtra Open University at Nashik on September 8 & 9, 2008

Departmental clubs

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

Zoology Club “Green Force Nature club”

Inaugural function of green force nature club was organized on July 18, 2008.

Dr. Deepa Rathi Head of the Department of Chemistry, Nirmala Niketan, was invited as Chief guest for the day. She delivered a lecture on awareness related to environment and nature games. It was a motivating lecture for students. Students of T.Y.B.SC zoology also arranged an exhibition on sanctuaries and national parks of India on the same day.

Green force nature club had also arranged a film show on “Utsavachi paryayavarnachi vat” by Nivedita Kothare, on August 02, 2008 in zoology lab. The show was about the pollution of natural resources after the celebration of ‘Ganesh utsav’. It was an eye opening experience.

On August 03, 2008 on Sunday, green force nature club had arranged a nature trail to Yeeor. It was a close exposure to nature so as to understand, and enjoy the pure beauty of nature. Dr. Goldin Qudros of WWF (World Wide Fund) introduced us to various species of insects, butterflies and plants.

Botany Club “Srushti”.

The “Srushti” inauguration ceremony was held on August 09, 2008. The Chief Guest Dr. T. Srinivasu, Botany Department Institute of Science had graced the function. Dr. T. Srinivasu made a presentation on Electronic Herbarium. He explained the use of digital camera, computers and internet in the making of e- Herbarium. He explained the uses, merits and few demerits of e- Herbarium. He encouraged the young students to prepare the data bank for an e- Herbarium for the plants from Thane region.

SANKALP (September 16, 2008) Botany club “SRISHTI” believes in nurturing young talents and ‘Sankalp’ is a platform that has been provided for the inquisitive and exploring young brains of our young and youthful participants to express their talent, views etc. On September 16, 2008 a program ‘Sankalp’ was arranged by Botany club “SRISHTI” for the students. Fourteen students participated and spoke on wide range of topic such as Forensic science, Apiculture, Hedges, E-commerce, Green revolution, Orchids, Vegetables and importance of vegetables, Floriculture, Insectivorous plants, Home remedies, Food contamination, Condiments and Aromatherapy. Students kept surprising us with their extraordinary talents, burning enthusiasm and novel ways to make presentations.

The Botany Club “Srishti” had organized its concluding program on December 12, 2008. A flower arrangement competition was arranged for the students of F.Y., S.Y. and T.Y.B.Sc. Mrs. Ashwini Apte (Biotechnology department) and Mrs. Sneha Narvekar (Microbiology department) were the judges. Student’s response was noteworthy.

Chemistry Club “Urja”

Chemistry Club activities (2008-09) started with an inaugural lecture on August 30, 2008 by the Chief Guest , **Dr. Vinay Deshmukh, Director, Drug Regulatory Affairs and Patent Laws.** Dr. Deshmukh delivered a keynote address to the students on career advancements in clinical research. He explained to the students the various opportunities in clinical research and the branches of clinical research in India and abroad.

Lecture on ‘Clean Creek’ movement for Thane city was organized for T.Y.B.Sc. Chemistry students on September 30, 2008 at 12.30 p.m. Students of SIES College Of Management studies and Enviro –Vigil (Paryavaran Dakshata Munch an NGO of Thane) guided the students.

The Chemistry Club organized Seminar and Poster Competitions for our College students on December 13, 2008. Miss Mira M. Nair of M.Sc I received First Prize for her presentation on Role of chemicals in diseases and disorders and Mr. Rupesh Torkari of T.Y. B.Sc received First Prize for his poster presentation on Green Chemistry .

Physics Club

Inauguration of Physics club ‘Avishkar’ was arranged on August 26, 2008. Mr. Vinayak Parab, reporter Loksatta spoke on ‘Mission to moon’. 250 students attended the lecture.

Mathematics Club “ Siddhant”

Inaugural function of Mathematics Club “Siddhant” was arranged on September 01, 2008. Mr. Mandar Khansnis lecturer in Mathematics C.H.M. college, Ulhasnagar was invited as a Chief guest on this occasion.

Statistics Club “ Sankhya”

Inaugural function of Statistics Club “Sankhya” was arranged on September 19, 2008. Mr. Depa Reddy (SAS consultant) was invited as a Chief guest on this occasion.

A multimedia presentation was given by Mr.A.P.Patil (H.O.D. Statistics Dept) on “Career in Statistics” on January 31, 2009.

Sahitya Sahawas

The sahitya sahawas had arranged a programme for discussion on the topic “Terrorist attack on Mumbai” on December 16, 2008. The teaching, non-teaching staff and the students actively participated in the discussions.

I. T. club

A seminar on “Careers in I.T” was conducted on July 19, 2008 in collaboration with Trimax where all students and teachers of I.T club participated

A seminar on SAP was organized by I.T club in Collaboration with Computer Link on August 23, 2008 in I.T Department where all interested students and teachers of I.T club participated

A seminar by Web Dunia regarding Marathi web dunia.com was arranged on August 25, 2008 in collaboration with the I.T club. where all the interested students and teachers of I.T club participated

Cyber Crime Investigation Cell and NASSCOM have organized Cyber safety week in Thane on September 18, 2008 at 3.30 p.m. in Thorale Bajirao Peshave Sabhagruha The Deputy Commissioner of Police Mr. Vikram Deshmane was the Chief Guest who felicitated the guest lecture.

Students of I.T Department Conducted workshop on Hardware and Networking in Model College (Dombivli) on November 28, 2008 under the Guidance of Trimax Future perfect Ltd. (Vikhroli).

Seed Infotech conducted seminar on December 15, 2008 for T.Y.B.Sc I.T students. Their main topic of discussion was “DotNet”.

Students of S.Y.B.SC and F.Y.B.Sc I.T Conducted a Seminar on February 07, 2009 The Topic of Discussion was “Security ‘n Arms”. This was for the first time in the past Nine years where students took such an initiative and conducted the seminar

Library Club “ Friends of Library”

Friends of Library Club arranged Book Display on Lokmanya Tilak on August 01, 2008 in the college Library

Various Committees

Cultural Association

The inaugural function of the activities of Cultural Association for the academic year 2008-2009 was organised on July 30, 2008. The function commenced with “Ganesh Vandna” was followed by the lightening of the lamp by Chief Guest Mrs. Vasanti Vartak, a famous news reader and anchor. Mrs.Vartak delivered a speech “Nivedan - ek kalaa” on this occasion. Through this speech she provided a valuable guidance to the aspiring students. About 200 students attended this programme.

A Light Vocal Singing competition was organized for college students on September 20, 2008 Mr. Kamlesh Bachhao from F.Y.J.C. “A” division won the first prize. The award is given in the name of Shri.Swami Samarth for the best singer sponsored by Dr.R.P.Athalye, Reader, Department of Zoology of our college. The judges for this competition were Mrs. Manali Goregaonkar and Mrs.Trupti Sonawane.

Near about 80 students from our college participated in the intercollegiate competition festival “Paramount” organised by Dr.D.Y.Patil College, Nerul. Apart from winning prizes in individual performances, our college also won the “Best College” title for all round performances. One student Mr.Pramod Patil from M.Sc. won a round trip air ticket for Bangkok, Thailand.

Every year we celebrate our Annual Social entitled “Aakansha” with great pomp and valour including lots of music, dance and various other events. This year was quite unusual. The city of Mumbai was attacked by a bunch of terrorists on November 26, 2008. It was an attack on humanity. In the memory of those, who were killed in this brutal attack, the student council decided not to have “Aakansha” in a big way this year. All the music and dance

programmes / competitions were cancelled. It was, however decided to have only the indoor events such as Rangoli, Bridal and Bride groom make-up, Mehendi, Hair Styling, Flower arrangement, poster painting, cartoon drawing, photography etc.

These activities of “Aakansha” were formally inaugurated by Shri.Abhijit Tiptale, President “Nyaaikyak Ladha Patrakar Seva Sangh” on December 22, 2008. The judge for fine arts Mrs. Smita Jadhav was also present at the function. Inauguration programme was followed by personality contest Mr.Dadasaheb Patil from F.Y.B.Sc. was selected as “Mr. Bandodkar” where as Miss.Yuga Bhat from F.Y.J.C. was selected as “Miss. Bandodkar” through this contest. Mr.Abhijit Tupdale and Mrs. S.M.Phatak were the judges for this contest.

On December 23, 2008, a peace rally was organised in the college campus. Teachers, non teaching staff and students participated in this rally in large number. This rally went around college campus and was terminated in front of the statue of Late.Dr.V.N.Bedekar in the college campus. Dr.Mosses Kolet, NCC Officer and Mr.Prakash Mali, Cultural Coordinator from our college lead the rally. Our principal Dr.Mrs.M.K.Pejaver delivered a short but inspiring speech in this occasion. All the participants paid homage to the victims of 26/11 terrorists attack on Mumbai. Candles were lighted and arranged around the statue.

Dramatics Association

Presented Drama “EK Vaja Kshana” in I.N.T. competition.

Literary Association

The activities of Literary Association, for this academic year started from the month July 2008. Our students participated in various competitions which were organized in various colleges. Various competitions were organized for Junior and Degree college students. Essay Writing, Story writing, Quiz, Poetry writing, Elocution and debate in our college. About 140 participants enjoyed these competitions.

Science Square activities

This is the fifth year of Science Square and again we find our students participating in large number for science projects for various competitions and seminars. Hence We are continuing with the same, wherein, our students take up different projects and successfully complete it. This step will definitely inculcate research habit in our students who will hopefully opt for research in pure sciences in their future career. Finally we present these projects in the form of a report.

This year, that is in 2008-09, students' submitted as many as 23 projects from different disciplines viz. Botany, Zoology, Chemistry, Physics, Foundation Course and Statistics.

Some projects were presented for competitions; some were presented at National seminars held in different colleges, while some were to create awareness among the students and the public.

These projects are submitted as Mini Research Projects 2008-2009. The projects are compiled as given by the students to maintain their individuality and to guide them further. The students were guided by their professors in selecting the topics and completing the projects within the stipulated time.

The projects are as follows:

Sr. no.	Title	Class
1	Differentials in Infant Mortality	SYBSc (Stats)
2	Comparative Study and Conservation of some mangrove Species	SYBSc (Biotech)
3	Review Article of Conservation of <i>Gloriosa superba</i> L. by plant tissue Culture	SYBSc (biotech)
4	Purification of Enzymes on Natural Column from <i>Allium cepa</i> leaves	TYBSc. (chem.)
5	Footpaths in Mumbai	SYBSc. (F.C.)
6	Screw worm fly	TYBSc (Zoo.)
7	Life Cycle of Butterflies	TYBSc (Zoo.)
8	Life Cycle of Insects	TYBSc (Zoo.)
9	Petroleum Fly	SYBSc (Zoo.)
10	Harmful Insects	SYBSc (Zoo.)
11	Potter Wasp	TYBSc (Zoo.)
12	Bombardier beetle	TYBSc (Zoo.)
13	Types of Larvae and Pupae	TYBSc (Zoo.)
14	Collection and Preservation of insects	TYBSc (Zoo.)
15	Useful Insects	SYBSc (Zoo.)
16	Piercing and Sucking insects	TYBSc (Zoo.)
17	Damage caused to plants by different types of insects	TYBSc (Zoo.)
18	Insect Communication	TYBSc (Zoo.)
19	Insect attracted towards light	TYBSc (Zoo.)
20	Mimicry in Insects	TYBSc (Zoo.)
21	Insects on campus	FYBSc (Bio Tech)
22	Study of macro fauna from the house hold biocompost	MSc. (research) Zoo
23	Aquatic insects	TYBSc (Zoo)

Trekking / Hiking Committee

Hiking committee of our college arranged monsoon trek to 'Kandivade caves'. Fifty five students from degree and junior college attended the hike. It was raining heavily. The roads were flooded and Kondivade village was not accessible, hence they had to drop the idea of going to kondiwade caves. They changed the venue to Matheran and went to Jumma patti near the waterfall and enjoyed the hike in heavy rains. Five teachers accompanied the students and made the hike successful.

Women's Development cell

- 1) Organized a lecture on "Handling Stress in College Life" on 10th September 08 by renowned Psychologist Dr. Anuradha Sovani".
- 2) Elocution competition has been arranged for the students on December 20, 2008 to express their views on "Gender Difference Problems" 15 students participated in this competition.

Magazine Committee

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

On January 24, 2009, the magazine "Sanyuja" was published, with reports of various committees, many articles, and poems in Marathi, Hindi and English. Dr. Sanjeev Vaidya was chief guest.

Gymkhana Committee

Indoor games like carom, chess, tabletennis and Badminton tournaments were arranged in the month of December 2008.

College annual sports Athletic Meet was conducted on December 18, 2009 at college ground, Junior and Degree college Boys and girls participated in the Running, Discuss throw, Shot-put, and long-Jump events.

Calendar Committee

Calendar committee had prepared calendar for the year 2008-09 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 2008 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 1st and 2nd terms.

Dates of 1st term examination of F.Y.B.Sc., S.Y.B.Sc., F.Y.J.C. and S.Y.J.C.

Dates of 2nd term examination of F.Y.B.Sc., S.Y.B.Sc. and F.Y.J.C. S.Y.J.C.

Dates of Preliminary Examination of T.Y.B.Sc.

Dates of A.T.K.T. and Additional Examinations.

Dates of Annual Results of F. Y. B.Sc., S.Y.B.Sc. and F.Y.Jc.

Dates for admission of S. Y. B.Sc. and T.Y.B.Sc. and 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 and 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 2008-2009.

➤ Department of Zoology

1. Fifteen students of T. Y. B. Sc. Zoology joined excursion at Satpura–Kanha (M.P.) from November 14-20, 2008. They were accompanied by Staff members and a field collector.

They were at Satpura National Park, Madhai for overnight stay on November 15-16, 2008. The wildlife observed at Madhai, Satpura included Deer, Sambar, Indian Bison, birds like Kingfisher, Pied Kingfisher, Peacock, Bluejay, Crested Serpant Eagle and an

endangered species of Bison (i.e. White Bison). Night stay on 17th and 18th was at Kanha resort, Kanha. Wildlife here was almost the same as that at Satpura. Tiger spotting was the main attraction. Most of students could have a opportunity to observe a tiger from a very close distance. The glorious animal and its graceful walk was unforgettable event of the entire excursion. Jabalpur sight seeing was done on 19th. They visited Bedaghat and Dhuandhar.

- 2 A joint excursion of S.Y.B.Sc and T.Y.B.Sc was arranged on January 22, 2009 to visit poultry farm and fish farm at Aarey colony, Mumbai. Total 25 students from S.Y.B.Sc(15) and T.Y.B.Sc(10) participated in this excursion. Dr (Mrs) M.K.Pejaver, Dr.(Mrs) N.N.Patil and Dr.R.P.Athalye accompanied and guided the students.

In Poultry farm students observed various types of poultry birds like quail, leghorn, Jungle fowls, turkeys and collected information about their feeding and breeding behavior. They also observed different types of eggs of poultry birds, vaccination procedure and incubation plant. In fish farm students observed collection of carps by netting from fish aquaculture farm. Induced Breeding procedure, aqua culturing techniques, various types of happas and preparation of fish culture farms were explained by In-charge Fishery scientist.

3. One day Excursion of F.Y.B.Sc. Students was conducted to Prince of Wale's Museum, Mumbai on October 28, 2008. A visit to Natural History and taxidermy section was arranged. Sixty four students attended and were accompanied by our three staff members. Mr.S.D.Rathod, Dr.Mrs.Vinda Manjramkar and Dr.Mrs. P.N.Kurve.

➤ Department of Botany

1. Dr. M. J. Kolet and N. Y. Dalvi conducted 2-day Botanical excursion of T.Y.B.Sc students at Vangani, Sawantwadi Nursery Farm. December 16-17, 2008.
2. Dr. V. M. Jamdhade, N. Y. Dalvi and S. V. Raut conducted a Botanical excursion of S.Y.B.Sc students in College Campus on July 2008.
3. Dr. V. M. Jamdhade, N. Y. Dalvi and S. V. Raut conducted a one day Botanical excursion of S.Y.B.Sc students to Valley park C.B.D. Belapur, Navi Mumbai on July 17, 2008.
4. Dr. V. M. Jamdhade and S. V. Raut conducted one day Botanical excursion of S.Y.B.Sc students at Vangani, Sawantwadi Nursery Farm on January 16, 2008.
5. Dr. V. M. Jamdhade, N. Y. Dalvi and S. V. Raut conducted one day Botanical excursion of F.Y.B.Sc students at Vangani, Sawantwadi Nursery Farm on January 23, 2008.

➤ Department of Information Technology.

Industrial Visit

A group of 25 students of T. Y. B. Sc. (I.T.) class and one staff member, of our College went to Bangalore to Visit Industries from February 10, 2009 to February 15, 2009

➤ Department of Biotechnology

1. A visit of F.Y.B.Sc biotechnology and microbiology students was arranged to Trivector company on January 19-20, 2009. Students were given an entire tour of the lab and were given information about invitro fertilization and role of Trivector in the IVF industry.

Trivector company which is synonymous with IVF field in India for years is the most trusted source for all Infertility Management Needs of IVF centers all over India and outside. Trivector has sown the seeds in the field of Infertility and has been contributing since last fifteen years.

Students had a chance to observe and learn principles of many instruments and techniques like: cryopreservation, microinjection, ovum retrieval, and sperm banking, Embryo Freezer, CO2 Incubators, Micromanipulators and Microscopes, Heating Appliances (Blocks, Stage warmers), Aspiration Pumps, Work Stations and Laminar Flow Hoods.

The above lab visit helped the students to increase their interest in the subject area of IVF since the topic was entirely new for them. The enthusiasm of the students to study the related topics was increased by the visit.

2. A study visit of S. Y. B. Sc Biotechnology students was arranged to The Raputic Drug Monitoring Laboratory (TDM Lab) at Sion Koliwada on January 22, 2009.

A visit was arranged in two batches i.e Morning and Evening for the convenience of learning.

Therapeutic Drug Monitoring (TDM) Lab is basically a lab for **Study of Bioequivalence**. Bioequivalence study mainly aims on Study of Drug absorption and its' metabolism in the body. The TDM lab consisted of the Volunteer room, where the volunteers' were administered by the drugs, the plasma samples were collected according to different time intervals. These samples were then analysed in different laboratories .Various instruments were also seen and their working and principles was understood .The instruments are as follows: High Pressure Liquid Chromatography, Gas Chromatography, Polymerase Chain Reaction Machine, Mass Spectrophotometry, Maldi-Tof etc. Microbiology Laboratory also consisted of Laminar Air Flow Unit, Different Centrifuge.

The above lab visit helped the students to increase their interests in the subject area of research in biological science and biotechnology, since the topic was entirely new for them. The enthusiasm of the students to study the related topics was increased by this visit.

Vidya Prasarak Mandal

Our management Vidya Prasarak Mandal is very cooperative. Mandal always encourages the staff and students to implement new ideas.

Our Management encourages the staff to attend the seminars and conferences for paper presentation. The Management pays registration fees and traveling expenses incurred to attend these activities if the teacher presents the paper.

On our campus 'Dnyanadweep' we have a cluster of colleges-as Polytechnic college, Law college, Management college, Arts and Commerce College and our Science College. We also have an advanced study center on the campus. This year a centre to study foreign languages- German, French and Japanese has started. All these colleges and centers 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. This year following seminars were conducted on our campus.

- 1) National seminar on 'Wonderful World of Insects' on December 03, 2008 by B. N. Bandodkar college of Science.
- 2) National conference on Biometrics, RFID and Emerging technology on January 10, 2009 by V.P.M.'s Polytechnic.
- 3) National seminar on PostIndependence Indian Literature on January 16-17, 2009 K. G. Joshi College of Arts and N. G. Bedekar College of Commerce, Thane.
- 4) National conference on Consolidation - 'The New Business Mantra' on February 14, 2009 by Dr. V.N. Bedekar Institute of Management Studies.

Our Management conducted the following programs.

- April 14, 2008 was observed as 4th **Smritideen** for our beloved president late Dr. V.N. Bedekar .

- On August 01, 2008 our management celebrated 73rd anniversary. On this day all the principals of institutes run by our management present their report.
- On August 15, 2008 the Independence Day was celebrated by flag hoisting.
- Sanskrit day was celebrated.
- As per the tradition of our management, Teachers' day was celebrated on September 05, 2008.
- VPM celebrate the convocation programme and award/certificates/Diplomas for the courses run by the Trust. This year convocation programme was arranged on September 05, 2008.
- Our Chairman of VPM, Dr Vijay Bedekar has given outstanding contribution in the medical, educacational, social and culutural fields. He is a founder member of "Prachya Shikshan Sanstha" in Thane. He was conferred upon Fellowship from London Royal Ashiatic society last year. To introduce his contribution to the people of Thane, 'Thane Nagarwachan Mandir' organised an open interview of Dr Bedekar at Thorale Bajirao Peshwe Sabhagruha on October 23, 2008 on the occasion of Dr Bedekar completing his 60 years.
- Disha Vyasapeet of Our management organized
 1. Programme of vocal music by famous singer Sridhar Phadake on October 04, 2008 in Thorale Bajirao Peshwe Sabhagruha.
 2. Interview of Architect Mr Vasantrao Pansare and a sculpurist Mr. Sadashiv Sathe on October 30, 2008 in Thorale Bajirao Peshwe Sabhagruha.
 3. Programme 'Geet Sandya' on March 21, 2009. Singers were Dr. Prabhkar Kelkar, Drictor BRIMS, Dr Shakuntala Singh Principal Joshi-Bedekar Arts and Commerce College and Mrs Sumedha Bedekar.

- Our management organizes the singing programme of eminent artist every year. This year the programme of Violin by Dr. N. Rajam and vocal music by Pt. Upendra Bhat and Pt. Surendra Bapat was arranged on January 24-25, 2009.
- January 26, 2009 was celebrated as Republic Day.
- Our management (VPM) is keen to identify and to introduce new courses in the college campus in collaboration with various foreign Institutions/Universities. To cope up with the modern educational requirements VPM has installed Video conferencing facility in our college campus. It was inaugurated on 15th August 2008. Dr. D.B. Phatak of IIT Mumbai gave online speech and had an interaction session with us from IIT campus, Mumbai.
- The MOU was signed between Vidya Prasarak Mandal (VPM) with the University of Skovde located at Hogslevagen, Skovde that includes delivery of graduate and Post-Graduate Courses in Medical Biotechnology, Molecular Biology and Physiology and other promotional activities. Sweden is a country well-known for Biotechnology and Microbiology research.

Dr. Vijay Bedekar, Chairman signed the agreement, on behalf of VPM and Mr. Leif Larsson, Vice Chancellor signed on behalf of Skovde University.

Under this agreement, two institutions will work to promote a) Exchange of information and material that are of mutual interest b) Develop suitable courses harmonizing the teaching at the two partner Institutions c) Exchange students and staff between the two institutions d) Carry out joint research between academic staff and e) Other forms of cooperation which the two institutions may arrange jointly

VPM will be conducting courses by way of direct lectures and practicals in B.N. Bandodkar College and also through guest lectures via video conferencing from Sweden. After completing the course, students will be given a degree of

the University of Skovde. The degree holder of this University will get very good opportunity of employment in Sweden, EU countries as well as in US and Canada

- In the Era of globalization our management has signed MOUs with California University, U.S.A. and Northern college of Applied Arts and Technology, Canada. Thus made the education in VPM really global.
- Vidya prasaral Mandal has launched VPM's London Academy of Education and Research on May 26, 2009, in London, U.K. at Brunci Hall, School of Oriental and African studies, University of London, London. On the Inaugural day a workshop was conducted jointly with Lall Ondhia-Chartered Certified Accountants, London U.K. on 'Global Meltdowns-Lessons to be learnt'. Nearly 100 people attended the same.
- To give something back to the society VPM has taken one step forward in the field of the public libraries. VPM has launched a site for public libraries on which entire information related with the list of the books in those specific libraries will be made available to public. For this purpose VPM provides the required software to those libraries who wish to join this programme.
- On April 14, 2009 which was observed as 5th **Smritideen** for our beloved Ex-President late Dr. V. N. Bedekar, a lecture by Dr. Dipakkumar (Professor of History of Science/Education, Zakir Hussen Centre for Education JNV, New Delhi.

Part C: Detail the plans of the institution for the next year (2009-2010)

The vision of our institute is to impart quality education and mission is to mould students into rational thinkers, competent workers and socially aware citizens, **our aim is to provide Quality Education, hence in addition to the regular academic education prescribed by the University of Mumbai, the institution always emphasizes on discipline, overall development of Students and to prepare them to meet the future challenges.**

We conduct different seminars, conferences or workshops every year. We announce our conference one year in advance and we conduct two preparatory workshops prior to the conference. Accordingly we have already announced

- Conference on “Orchid Genetic Diversity: Conservation and Commercialization” will be organized by Department of Botany in association with The Orchid Society of India (TOSI) Chandigarh on December 11-12, 2009
- Preparatory workshops: will be conducted on 8th August 2009 1st Workshop - and 2nd Workshop on September 19, 2009.
- Library work shop will be conducted on November 27, 2009.
- Planning to have a collaborative workshop for Information Technology and Biotechnology students.

We will add ‘Environment Science’ as an applied component subject at T.Y. B.Sc. level.

We will continue our healthy practices of preparing yearly calendar and follow it strictly, Yoga training, College-school complex activity “Class guide and Mentor system”.

We will also proceed with N.S.S. and 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,

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

Our web-net committee will update our web site.

Our management has started the expansion work. Already we have well equipped Information Technology Department, Mathematics and Statistics Department, library, staff common room and ladies room.

Last year the expansion and improvement of infrastructure our office, seminar room, record room, principal and Vice principal's chambers was completed.

This year renovation of the Botany department is done. Also a well-set computer lab and bio-tech lab were constructed. Similarly our computer lab is equipped by 40 computers.

In gymkhana additional area is added so we can place gym equipments. Still construction of amphitheatre and chemistry research lab, Microbiology lab is in progress, which will be completed within six months.

We have already sent our consent letter for reaccreditation. We will complete RAR as early as possible and send to NAAC.

Our management is very supportive and ready to accept any new ideas. We believe continuous evaluation of existing practices and adding some new will take our institute to great heights. Hence with the strong support of management we wish to continue with our task to move upwards.

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 2008-09.

Sr. No.	Name	Date	Purpose of visit	Designation
1	Dr Deepa Rathi	18/07/08	Inauguraton of Nature club	Reader in Nirmala Niketan Mumbai
2	Mrs Vasanti Vartak	30/07/08	Inauguraton of cultural association	News reader andAnchor
3	Mr. K. G. Bhole	07/08/08	Inauguraton of Comp Sc lab	Ex-Vice Principal of Vaze-Kelkar College
4	Dr T.Shrinivasu	09/08/08	Inauguraton of Botany club	Dept. of Botany, Inst. Of Science Mumbai
5	Dr B G Kulkarni	26/08/08	Preparatory workshop of Zoology Seminar	Chairman Board of studies
6	Dr Gaikwad	26/08/08	Preparatory workshop of Zoology Seminar	Lecturer at Bhogavati college Kolhapur
7	Mrs Vaidya	26/08/08	Preparatory workshop of Zoology Seminar	Member of BNHS Mumbai
8	Dr P V Joshi	26/08/08	Preparatory workshop of Zoology Seminar	Rd. Prof. University of Pune
9	Dr K B Sainis	27/08/08	Felicitation of Meritorious students	HOD, Immunology, Bioscience, Tumor, Radiology, BARC Mumbai
10	Mr Vinayak Parab	27/08/08	Inauguration of Physics club	Counselor in Loksatta
11	Mr Vinay Deshmukh	30/08/08	Inauguration of Chemistry club	Director, Drug Regulatory Affairs, K.G.M. Biochem Pvt Ltd.
12	Mr Mandar Khasnis	01/09/08	Inauguration of Maths club	Lecurer in Mathematics.
13	Dr Anuradha Sovani	10/09/08	Women Cell	Clinical pscylogist andPsychotherapist
14	Dr Neelima Joshi	17/09/08	Inauguration of Biotech Lab	Vice president Glenmark Pharma

Sr. No.	Name	Date	Purpose of visit	Designation
15	Mr D Reddy	19/09/08	Inauguration of Stats club	SAS Consultant
16	Mr Vikram Deshmane	20/09/08	Workshop on Cyber Safety	DCP, Economic Offences Wing and Cyber, Thane
17	Mr Sanjay Jadhav	20/09/08	Workshop on Cyber Safety	ACP, Economic Offences Wing and Cyber, Thane
18	Mr Rohan Patil	20/09/08	Workshop on Cyber Safety	Sr. Information Consultant, Vista Infotech, Andheri
19	Mrs Usha Suryavanshi	20/09/08	Workshop on Cyber Safety	Police Sub-Inspector, Cyber Crime Investigation Cell
20	Mr Chaitanya Belsare	20/09/08	Workshop on Cyber Safety	Instructor India Cyber Lab
21	Mr. Ajit Gangrekar	23/09/08	Fir felicitation of 2 nd yoga batch	Trustee member, Ambika yoga kutir
22	Dr P V Joshi	03/12/08	Zoology seminar	Retired professor, University of Pune
23	Dr G.P.Bhavane	03/12/08	Zoology seminar	Professor, Shivaji University Kolhapur
24	Dr Ranade	03/12/08	Zoology seminar	Retired Prof at University of Pune
25	Dr Hemant Ghate	03/12/08	Zoology seminar	Professor, University of Pune
26	Dr Goldin Quadrose	03/12/08	Zoology seminar	Education officer WWF
27	Dr Amol Patwardhan	03/12/08	Zoology seminar	Research Asst. CAT project
28	Prof Vitthal Sontakke	12/12/08	Judge for Avishkar 2008	Lecturer at Kirti college, Dadar
29	Mr Sanjeev Talokar	12/12/08	Judge for Avishkar 2008	Training and placement officer SIES Nerul

Sr. No.	Name	Date	Purpose of visit	Designation
30	Ms Sailaja Ravindranath	12/12/08	Judge for Avishkar 2008	Vice Prin SIWS College Wadala
31	Dr Vikas Vaidya	12/12/08	Judge for Avishkar 2008	Lecturer at Ruia College, Matunga
32	Dr S. S. Barve	12/12/08	Judge for Avishkar 2008	Lecturer at V. G. Vaze college, Mulund
33	Mrs. Manali Goregaonkar	20/09/08	Judge for Singing competition	
34	Mrs Trupti Sonawane	20/09/08	Judge for Singing competition	
35	Mr. Abhijit Tiptale	22/12/08		President Nyayik Ladha Patrakar Seva Sangh
36	Mrs Smita Jadhav	22/012/08	Judge for Akansha competitions	
37	Mrs Aruna Manali	22/012/08	Judge for Akansha competitions	
38	Dr Sanjiv Vaidya	24/01/09	Annual prize distribution 08-09	Consultant, Xensor
39	Mr Khot	28/01/09	Alumni association lecture	Past student
40	Dr Jyoti Vora	11/02/09	Interview of project fellow	HOD Biochem and food science, Ruia College.
41	Dr Leif Larson	24/02/09	MOU between Skoude Uni andVPM	VC Skovde university Sweden
42	Dr Abul Mandal	24/02/09	MOU between Skoude Uni andVPM	Coordinator for Asia region Skovde university Sweden
43	Prof. Holmstorm	24/02/09	MOU between Skoude Uni andVPM	Skovde university Sweden
44	Dr Sandra	24/02/09	MOU between Skoude Uni andVPM	Coordinator Biomedicine Skovde university Sweden
45	Dr Maria	24/02/09	MOU between Skoude Uni andVPM	Coordinator Molecular Biology Skovde university Sweden

Sr. No.	Name	Date	Purpose of visit	Designation
46	Prof Henrick	24/02/09	MOU between Skoude Uni andVPM	Skovde university Sweden
47	Mr Magnus	24/02/09	MOU between Skoude Uni andVPM	Skovde university Sweden
48	Dr. P M Kelkar	24/02/09	MOU between Skoude Uni andVPM	Director Brims
49	Dr. Guruprasad Murthy	24/02/09	MOU between Skoude Uni andVPM	Director General Brims

NCC Army Boys Activities conducted during the year 2008-09.

Sr. No	Activity	Description	Location
1	Pulse Polio programme	6 cadets (Incl. 2 supervisors) participated. 814 polio doses administered Date : 27.04.2008 - 02.05.2008	Thane
2	Pulse Polio programme	5 cadets (Incl. 1 supervisor) participated. 812 polio doses administered. Date : 01.06.2008 – 06.06.2008	Thane
3	Director General NCC visit	NCC Officer along with 10 cadets were invited and participated in the function Date : 09.06.2008	Navy Nagar, Mumbai
4	Thal Sena Camp	4 cadets participated. Date : 01.07.2008 – 10.07.2008	Nasik
5	Rifle shooting trials	1 cadet participated and selected for state level competition Date : 01.07.2008 – 07.07.2008	Mumbai
6	State Level Rifle shooting camp	1 cadet participated Date : 14.07.2008 – 20.07.2008	Kolhapur
7	Project in association with Jidnyasa Trust, Thane	5 cadets were deputed to train school children participating in Military School Activity For academic year 2008-2009	Thane
8	Blood Donation Camp	3 cadets donated 900cc blood Date : 14.07.2008	Navy Nagar Mumbai
9	Pulse Polio programme	2 cadets participated, 192 doses administered Date : 04.07.2008 – 10.07.2008	Thane
10	Independence Day	Entire unit participated in celebration	College Campus, Thane
11	Blood Donation Camp	12 cadets donated 3600cc blood Date : 22.08.2008	College Campus, Thane
12	ATC (Camp 1)	10 cadets participated Date : 01.09.2008 – 13.09.2008	Military stn. Mumbai
13	ATC (Camp 2) and group training camp	15 cadets participated Date : 01.10.2008 – 10.10.2008	Military stn. Mumbai
14	Republic Day practice camp	1 cadet participated Date : 12.10.2008 – 17.10.2008	Military stn. Mumbai
15	ATC (camp 3) and group training camp	23 cadets participated (NCC officer also took part) Date : 18.10.2008 – 27.10.2008	Military stn. Mumbai
16	Republic Day Special camp	1 cadet participated Date : 01.11.2008 – 07.11.2008	Military stn. Mumbai

Sr. No.	Activity	Description	Location
17	State Level inter-NCC group competitions	2 cadet participated Date : 08.11.2008 – 17.11.2008	Pune
18	Pulse Polio programme	5 cadets participated Date : 09.11.2008 – 14.11.2008	Thane
19	NCC Day special camp	1 cadet participated Date : 18.11.2008 – 24.11.2008	Colaba, Mumbai
20	NCC Day celebration	10 cadets participated Date : 23.11.2008	Colaba, Mumbai
21	National Level adventure training camp	5 cadets participated in all-India Shivaji Trail Trek. Date : 22.11.2008 – 05.12.2008	Kolhapur
22	CATC (Republic Day Camp 1)	1 cadet selected and participated Date : 01.12.2008 – 10.12.2008	Pune
23	CATC (Republic Day Camp 2)	1 cadet selected and participated Date : 12.12.2008 – 22.12.2008	Pune
24	Youth Against Terrorism Rally	Entire Unit participated in the rally organized by Chancellor, Mumbai Univ. and consortium of universities in Maharashtra Date : 20.12.2008	Shivaji Park, Mumbai
25	Rally against 26/11 Mumbai terrorist attack	Entire unit participated in the rally Date : 12.2008	College Campus, Thane
26	Republic Day camp (All India Level)	1 cadet selected and participated in Republic day Camp Date : 30.12.2008 – 30.01.2009	New Delhi
27	Yoga	Entire Unit received Yoga training in association with our Yoga club Date : 22.11.2008 – 07.02.2009	College Campus, Thane
28	Army attachment Camp	3 cadets participated and were attached with regular Indian Army Unit Date : 12.01.2009 – 24.01.2009	Kamptee, Nagpur
29	VPM Classical Music Programme	30 cadets volunteered their services Date : 24.01.2009 – 25.01.2009	College Campus, Thane
30	Republic Day	Medals / trophies were awarded to cadets after flag hoisting	College Campus, Thane
31	Post-Republic Day Camp	1 cadet participated Date : 02.02.2009 – 12.02.2009	Mumbai
32	B-certificate exam	25 cadets appeared for exam Date : 14.02.2009	Mumbai
33	C-certificate exam	20 cadets appearing for exam Date : 21.02.2009 – 22.02.2009	Mumbai

NCC Army Boys Achievements conducted during the year 2008-09

Capt. Dr. Moses J. Kolet was appointed as Camp Adjutant for ATC Training Camp 3 held during October 08, 2008 to October 27, 2008.

Deepak Dalvi won 1st position in Cross-Country event at Battalion level and was awarded God medal (ATC Camp II, October 01, 2008 to October 10, 2008, Mumbai).

Entire unit contributed towards Bihar Relief Fund initiated by NCC Directorate for contribution towards food victims @Rs. 2/- per cadet during ATC Camp III, Mumbai (October 08, 2008 to October 27, 2008). The receipt of the same is yet not been issued by battalion.

Vinayak Thombare was awarded as Best Cadet medal and trophy of our college January 26, 2009.

Subramanyan Konar was awarded Best Cadet award from Science Faculty of our college, January 26, 2009

JUO Akash Dalvi was selected to participate in Republic Day Camp and RD Parade in New Delhi (January 26, 2009).