



**Vidya Prasarak Mandal's**  
**B.N.BANDODKAR COLLEGE OF SCIENCE**  
**Thane 400 601.**  
**University of Mumbai- “Best College Award-2009-10”**  
**NAAC Reaccredited ‘A’**

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

2010-11

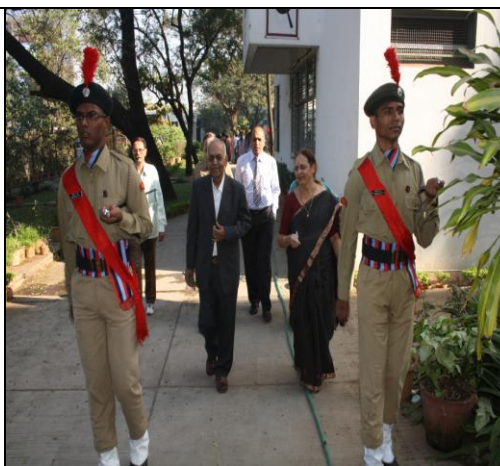
# **The Annual Quality Assurance Report (AQAR)**

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Principal Dr.Mrs. M.K. Pejaver accepting the Best College Award in the hands of Vice Chancellor Dr Rajan Welukar



*Best College Visit:*  
  
*Dr. A. P. Pradhan*  
*Dr. K. P. Sonavane*



**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: NAAC Peer team visited our college on 21<sup>st</sup>-23<sup>rd</sup> January 2010 for reaccreditation. As per the suggestion given by the peer team committee during the visit and in PTR, we planned to proceed with following activities at the beginning of the academic year 2010 -11.

- Introduction of Departmental audit.
- To Submit the proposal for “Centre For Potential for Excellence” to UGC
- To Submit the proposal for “Best College” to University of Mumbai.
- To start New Applied Component at T. Y. B.Sc. Level : WEB Technology and .NET Platform.
- To send proposal for New Courses / Subjects
  1. B.Sc. ( Biochemistry )
  2. M.Sc. ( Physics – By Papers )
  3. M.Sc. ( Physics – By Research )
  4. M.Sc. ( Biotechnology – By Papers )
  5. M.Sc. ( Environmental Science – By Papers )
  6. Ph. D. ( Physics )
- Computerization of attendance for all classes in Degree college.
- Preparation of “Online feedback forms” for students who are one of the stakeholders.
- Preparation of “Online peer evaluation forms” for teachers.
- To arrange a workshop for women on self defense through Women Development cell.

- To arrange a workshop /seminar regarding “Funding for research projects” from various agencies like UGC, DBT,DST and other government agencies.
- To start Add-on courses in various departments.
- To start a “digital repository” where old question papers question bank, research papers, seminar/conference proceedings, videos, and notes are made available online to the student community in general.

We decided to continue with 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 forms online.
- 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 students’ difficulties and give them personal guidance.
- To continue with Departmental Club activities.
- To encourage our student to participate in various extra- curricular activities.
- To arrange workshop for office staff to update their knowledge.
- To continue extended library working hours.
- To continue with extended Gymkhana hours.

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

- ✓ Departmental audit was implemented in all the departments. A format for the same was prepared and departments were asked to submit the report in that format.
- ✓ Proposal to UGC was submitted for “Centre for Potential for Excellence” and awaiting its outcome.
- ✓ Proposal for “Best College” under Mumbai University was submitted and our college was selected as “Best College” under Mumbai University for the academic year 2009 -10.
- ✓ New Applied Component at T.Y.B.Sc. Level: WEB Technology and .NET Platform is started.
- ✓ Applied for New Courses / Subjects
  1. B.Sc. ( Biochemistry )
  2. M.Sc. ( Physics – By Papers )
  3. M.Sc. ( Physics – By Research )
  4. M.Sc. ( Biotechnology – By Papers )
  5. M.Sc. ( Environmental Science – By Papers )
  6. Ph. D. ( Physics )
- ✓ Computerization of attendance for all classes is being done partially. This project is not completed yet.
- ✓ Online feedback from T.Y.B.SC students was done successfully. There are some loopholes which will be corrected and will be implemented for other classes in the next academic year.
- ✓ Peer evaluation for teachers could not be done.
- ✓ Workshop /seminar for women on self defense was conducted.
- ✓ We have started the process for Add-on courses. Preliminary survey in various departments is being done.

- ✓ Digital repository has started functioning. Question papers and question banks are available online.
- ✓ 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 there were very few failures in the A.T.K.T. examination.
- ✓ Web –Net committee is updating our web site regularly.
- ✓ This year also all Committee reports and Departmental reports were collected through e-mails.
- ✓ Our ongoing programmes ‘yoga classes’, ‘N.S.S. & N.C.C. activities’, ‘College-School Complex’ activity’, ‘Science Square activity’, ‘Class- Mentor system’ were conducted smoothly.
- ✓ Library kept open on Sunday one month prior to each examination and like last year library is kept open for students from 7:00 a.m. to 8:00 p.m.

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

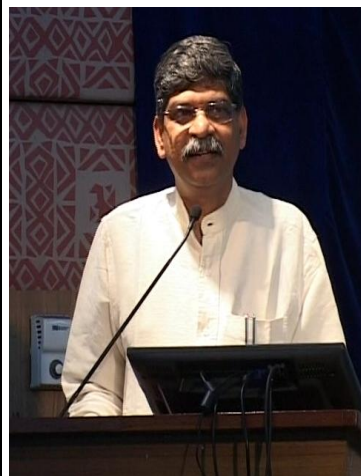
- ✗ Workshop/seminar on Funding for research projects from various agencies was not conducted.
- ✗ We had planned to conduct external audit of all the departments but we could not succeed due to time constraint.

## Conference: Intelligent System

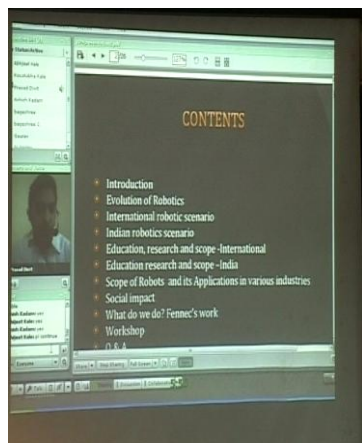


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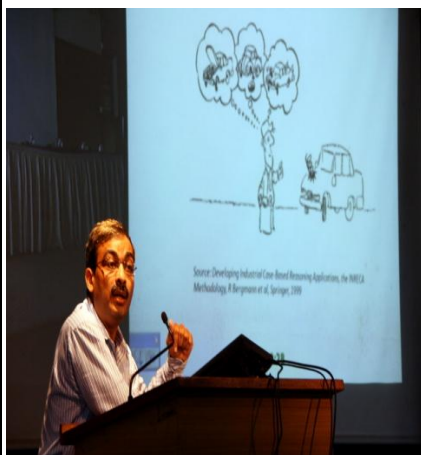
1. Guest Lecture: Dr.Bedekar
2. Dr. Rajan Welukar (VC)
3. Mr. Prasad Dixit
4. Mr. Rajendra Sonar
5. Mr. Dinkar Borde
6. Mrs. R. Srivaramangai
7. Mr. Prashant Kanade
8. Mr. Zaki Anwar Hamdani



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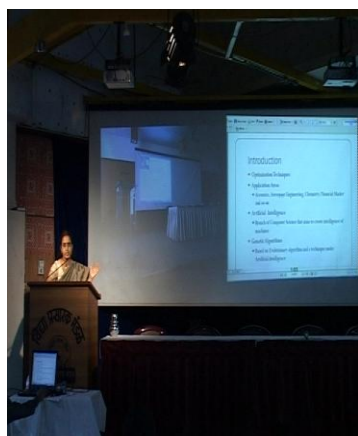
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Special Guest: Actress Sampada Joglekar



Drama: Lasso



Sports: prize Distribution



Special Guest: Poet Pravin Davane.



Sugam Sangit competition



Atheletics



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Employability Skills



Meeting for Univ. Campus(Thane)



Guest Lecture: Prin. Vijay Joshi



National Science day

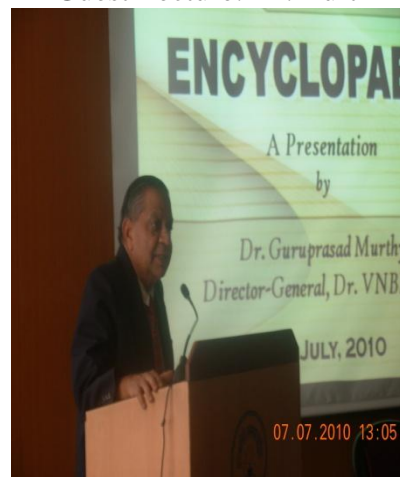


Informative Lectures  
2010-11

Past Students' Anubandh



Guest Lecture: Dr.Murti



Career Melava



Workshop: No Problem Car



NSS: Janjagruiti Abhiyan



NSS: Say No To Drugs



N.S.S. –How to-be Smart



WDC: Path-Natya



## N.S.S./WDC/GRAB-IT Activities Year 2010-11

Campus Interview



WDC: Self protection Training



Workshop: Robotics



Workshop:I.T.Department



## **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 citizen*

In attempting to fulfill its mission the college has set for itself the following goals:

- ✓ Continuous personal and professional growth.
- ✓ Installing moral values to mould the students into excellent human being.
- ✓ Providing homely environment in the institution.
- ✓ Developing students into socially responsible citizens.
- ✓ Promoting research culture.
- ✓ Providing them access to a comprehensive array of careers in Science
- ✓ Attaining greater heights of glory and excellence in life.

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.

Always our efforts are student centric to improve their personality so that they can stand boldly in this competitive world.

**Highlights of events/activities conducted for students in the academic year 2010-11.**

Sr.No	Month	Department/committee	Event/Activity
1.	26 June 2010	NCC	Seminar on “Drug Abuse and Illicit Trafficking”. Speakers are senior inspector of police Shri D. D. Shivthare and Advocate Manoj Bhatt.
2.	11 July 2010	Hiking committee	Hike to Kondivade caves
3.	20 July 2010	Literary Association	Essay competition
4.	27 June 2010	Green Force Nature Club	Tree plantation arranged by Hariyali.
5.	24 July 2010	Information Technology	First Preparatory workshop for conference on “Intelligent systems .”
6.	26 July 2010	Sankhyiki Club	A multimedia presentation was given by Mr.Amit Tiwari and Mr.Omkar Jadhav.
7.	27 July 2010	Cultural Association	Inaugural Function and Speech by Actress Sampada Kulkarni.
8.	28 July 2010	Statistics	Celebration of Statistics day.
9.	1-15 Aug 2010	Library	Book Exhibition On Vinayak Savarkar.
10.	4 Aug 2010	Botany	Excursion
11.	05 Aug 2010	College	Lecture on educational stress by Dr. Shubha Thathe
12.	06 Aug 2010	Library	Movie on Vinayak Damodar Savarkar.
13.	12 Aug 2010	Literary Association	Poet and story writing competition,

14.	13Aug 2010	NSS	Disaster management seminar by Lt. Mr. Sudhir Sawant
Sr.No	Month	Department/committee	Event/Activity
15.	16 Aug 2010	Information Technology	Club Activity Lecture by Prin Dr. Ms M.K. Pejaver
16.	18 Aug 2010	Botany	Prof. Vandana Sathe gave presentation on “Terrarium /Bottle Garden”.
17.	18 Aug 2010	Green Force nature Club	Lecture on solid waste management
18.	20Aug 2010	Science Square Activity	Intra collegiate competition-Zoo Zone
19.	21Aug 2010	Women Development Cell	Talk by Dr. Beena Joshi on “Male involvement in women’s health”.
20.	21 Aug 2010	NCC	NCC unit celebrated Earth Day by poster presentation.
21.	23 Aug 2010	Information Technology	Lecture on “Science and Technology Development in China” by Dr. Sudhakar Agarkar.
22.	25 Aug 2010	Sankhyiki Club	Talk on “careers in statistics”
23.	26Aug 2010	Physics Club	Lecture by Shri. Satish Diwanji Retired Colonel
24.	26Aug 2010	NSS	Workshop on consumer protection Act Awareness.
25.	08 Sep2010	Literary Association	Elocution and debate competition

26.	14 Sep 2010	Hindi	Hindi Divas was celebrated
Sr.No	Month	Department/committee	Event/Activity
27.	18 <sup>th</sup> Sept	Information Technology	Club Activity Lecture by Prin Dr. Ms M.K. Pejaver
28.	20 Sep 2010	NSS	Lecture on Female Foeticide by Dr.Mahesh Bedekar.
29.	25 Sep 2010	Information Technology	Second Preparatory workshop for conference on “Intelligent systems”.
30.	27 Sep 2010	Cultural Association	Light Vocal singing competition.
31.	16 Oct 2010	Women Development Cell	Lecture and workshop on “Self defense techniques” by Ms.Jignyasa.
32.	18 Oct 2010	Yoga Committee	Guest lecture and demo on yoga by Sureji of Shri Ambika Yoga Kutir
33.	18-23 <sup>rd</sup> Nov 2010	Zoology Department	Excursion
34.	26 to 27Nov 2010	Information Technology	National conference on “Intelligent System”.
35.	29 Nov to 2 Dec 2010	College	Career Melava
36.	03Dec 2010	Literary Association	Quiz competition
37.	03Dec 2010	NSS	Aids awareness programme
38.	07 Dec 2010	Sahitya Sahavas	Programme on poet Late Shri Narayanji Surve

39.	10 to 20 Dec 2010	Gymkhana	Indoor activities Competition
40.	13-14, December 2010	Information Technology	Workshop on Wired Robotics in collaboration with YUPS Robotics, Thane
Sr.No	Month	Department/committee	Event/Activity
41.	15 Dec 2010	NSS	Seminar by SEBI and consumer Guidance cell.
42.	16 Dec 2010	Green Force Nature Club	A talk by Mr. Vaibav Desai on environmental awareness was arranged.
43.	16 Dec 2010	Botany	Visit to Agro India Expo-Exhibition.
44.	20 Dec 2010	Cultural Association	Outdoor activities of “Akanksha”.
45.	20 Dec 2010	Cultural Association	Personality contest, Mono Acting and mimicry Competition
46.	21Dec 2010	Cultural Association	Light local, singing and instrumental, group dance competition, Fashion show
47.	22 Dec 2010	Gymkhana	Annual Athletic Meet
48.	24 to 26Dec 2010	Library	Workshop on project writing for YCMOU Students.
49.	27 Dec 2010	Zoology	Visit to fishery Exhibition
50.	06 Jan 2011	Sankhyiki Club	Presentation on “Personality Development and how to overcome Depression” was given by Dr.Santosh Kamerkar.
51.	10 Jan 2011	Zoology	Visit to Aarey Fish Farm

52.	11 Jan 2011	College	Publication of College Magazine “Sānyuja” and Annual prize distribution.
53.	17 Jan 2011	Non teaching	Lecture by Dr. Vasudha Pai
54.	27 Jan 2011	Biotech and Microbiology	Lecture on Agricultural Biotechnology and its Scope By Dr. Archana Kale.
Sr.No	Month	Department/committee	Event/Activity
55.	29 Jan-6 Feb 2011	Botany	Excursion
56.	3-7 Feb 2011	Information Technology	Industrial visit to IT Organisations in Hyderabad
57.	07 Feb 2011	Anubandh	To interact with T. Y. B. Sc. Physics students .
58.	10 Feb 2011	Anubandh	To interact with the T. Y. B. Sc. Zoology students.
59.	16 Feb-23 Feb 2011	Library	Book Exhibition -Vitro Fertilization.
60.	22 March 2011	College	Workshop for T. Y. B. Sc Students on newly introduced Barcoded OMR answer book.

National conference-(1) Department of Information Technology conducted National Conference “Intelligent System” on November 26-27, 2010,

Workshops-(3) Department of Information Technology conducted

1. First preparatory workshop on 24<sup>th</sup> July 2010.
2. Second Preparatory workshop on 25<sup>th</sup> September 2010.
3. Workshop on Wired Robotics on 13<sup>th</sup> 14<sup>th</sup> December 2010.

Community orientation & 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,

**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 & 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 Bio-tech & 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. & Sr. young Scientist Examinations conducted by Homi Bhaba Centre. Many of these students receive prizes and medals at State & National levels.

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.

**Q 2) New academic programmes initiated (UG and PG)**

Ans ❖ We have introduced two new Applied Component subjects at T.Y.B.Sc. Level :  
Environmental Science(2009-2010) and WEB Technology and .NET Platform (2010-2011)

❖ Applied for New Courses / Subjects

- B.Sc. ( Biochemistry )
- M.Sc. ( Physics – By Papers )
- M.Sc. ( Physics – By Research )
- M.Sc. ( Biotechnology – By Papers )
- M.Sc. ( Environmental Science – By Papers )
- Ph. D. ( Physics )

**Q.3) Innovations in curricular design and transaction.**

The curricular design for all affiliated Colleges such as ours is set by the University of Mumbai, affording no flexibility. However, teachers participate actively in revision of Mumbai University syllabi.

Dr.( Mrs) M.K. Pejaver, Principal and HOD of Zoology Dept is appointed as Dean of the Science Faculty of the University of Mumbai.

Following staff members are actively working as members of Board of studies and members of the Faculty of Science of the University of Mumbai.

1. Dr.( Mrs) M.K. Pejaver, Principal and HOD of Zoology Dept.
2. Dr. ( Mrs.) M.S. Mulgaonkar HOD of Botany Dept.
3. Dr. (Mrs) K. D. Phal Asso. Prof. Statistics Dept.

Dr. M.N. Nyayate HOD of Physics Dept. is the members of Board of studies of Physics of the University of Mumbai.

Prof S.K. Bhosale is the members of Syllabus committee of Foundation Course of the University of Mumbai

Prof A.A. Kale is the member of Syllabus committee in the subjects I.T. /Computer Science of the University of Mumbai.

Q 3 Inter disciplinary programmes started.

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

- Department of Information Technology is the PCP Center for Institute of Distance and Open Learning (IDOL), University of Mumbai.
- Department also conducts practicals of B.Lib.Sci. and M.Lib.Sci. Courses of YCMOU of our college.
- Teachers from statistics department help research students of Zoology and Botany department in analysing their data.

Q 4. Examination reforms implemented.

There is a uniform set of mandatory practices legislated by the University which the college is required to follow. The college is not at liberty to initiate any ex parte reforms.

- ✓ First year and Second year examinations are conducted by the College on behalf of the University.
- ✓ Third year examinations are conducted by the University. Periodical tests/Preliminary examinations were conducted by the respective departments.

- ✓ From last five years we are conducting A.T.K.T. examination in the month of August. As a result we observed that many students could clear their subjects.
- ✓ All the departments conducted regular class tests, seminars and presentations, so as to continuously evaluate the students. Question bank for was provided by Statistics, Mathematics, departments. Synoptic answers were provided by several departments. Intensive teaching and Remedial coaching were conducted by several departments.

Q 5) Number of Candidates qualified: NET/ SET

	Till 2009-10	In the year 2010-11
NET / SET	05	08

Q 6) **Initiative towards faculty development programme**

Teaching Staff:

**Department of Zoology**

- Mr. Rathod, Lecturer, Department of Zoology was awarded Teacher Fellowship under FDP Scheme of UGC during XI plan for the period, 2008-2011 for pursuing research leading to Ph.D. (Science) Degree in Zoology.
- Dr.( Mrs) N.N. Patil, Dr. R. P. Athalye , Dr. (Mrs) V.D. Manjramkar, Dr.(Mrs) P.N.Kurve, Dr.K.M.Pariya, Mrs. S. M. Patil attended workshop on 17<sup>st</sup> July 2010 on T. Y. B. Sc. Revised syllabus in Zoology at Ramniranjan Jhunjhunwala College, Ghatkopar, Mumbai.

- Dr. R. P. Athalye attended the workshop on revision of T.Y. B.Sc. syllabus of applied component organized by Board of studies zoology, Mumbai University at Zoology Dept. St. Xavier's college, Mumbai. on 21<sup>st</sup> July 2010
- Dr.(Mrs) P.N.Kurve and Mrs. S. M. Patil attended workshop on 31<sup>st</sup> July 2010 T. Y. B. Sc. Revised syllabus in Fishery Biology organized by Board of Studies in Zoology at Thakur College, Kandivli
- Dr. (Mrs) M.K. Pejaver, Dr. R. P. Athalye and Dr.(Mrs) P. N. Kurve attended workshop on 7<sup>th</sup> August 2010 T. Y. B. Sc. Revised syllabus in Fishery Biology organized by Board of Studies in Zoology at K. J. Somaiya college of Science and Commerce, Vidyavihar, Mumbai.
- Dr.K.M.Pariya attended workshop on 7<sup>th</sup> August 2010 T. Y. B. Sc. Revised syllabus in Marine Zoology organized by Board of Studies in Zoology at ICLES college, Vashi, Navi Mumbai.
- Dr.(Mrs) P. N. Kurve attended an intercollegiate workshop on Feasibility Report organized by Department of Zoology, M. D. College, Mumbai on 4<sup>th</sup> September 2010.
- Dr.K.M. Pariya completed the Refresher course in Bioinformatics, UGC Academic Staff college, University of Kerala, Thirunananthpuram from 27<sup>th</sup> December 2010 to 17<sup>th</sup> January 2011 and secured A Grade.

#### **Department of Botany**

- Dr. Moses Kolet participated in One- day Workshop on Revised T.Y.B.Sc. Syllabus in Horticulture (Applied Component) organized at Kirti College, Mumbai, by the Board of Studies in Botany, University of Mumbai, on 3<sup>rd</sup> July 2010.
- Dr. Moses Kolet and Dr. (Mrs.) Moitreyee Saha participated in One- day Workshop on Revised T.Y.B.Sc. Syllabus in Botany, organized at R. J. College, Ghatkopar, Mumbai, by the Board of Studies in Botany, University

of Mumbai, on 12<sup>th</sup> June 2010.

- Dr.V.M.Jamdhade completed UGC sponsored Refresher course in Biological Sciences held at Mithibai College, Vile Parle Mumbai on 11.10.2011 to 30.10.2010 and secured 'B' Grade.

### **Department Of Physics**

- Prof. B.K. Mandlekar attended refresher course from 28<sup>th</sup> Jan.10 to 17<sup>th</sup> Feb. 10 at University of Mumbai, and secured A grade.
- Dr. M.N. Nyayate, Prof. S. Venkatraman, Prof. D.R. Chaudhari, Prof. S.G. Bapat, Prof. N.D. Mandge, Prof. (Mrs.) S.S. Meshram, Prof. (Mrs.) U.B. Gokhe, Prof. B.K. Mandlekar attended one day workshop on revision of T.Y. B.Sc. syllabus practicals on 7<sup>th</sup> Aug 2010 at B.N. Bandodkar college of Science, Thane.
- Dr. M.N. Nyayate, Prof. S. Venkatraman, Prof. D.R. Chaudhari and Prof. S.G. Bapat attended one day workshop on revision of T.Y. B.Sc. syllabus on 31<sup>st</sup> July 10 at Vaze college , Mulund.
- Dr. M.N. Nyayate, Prof. S. Venkatraman, Prof. D.R. Chaudhari and Prof. (Mrs.) U.B. Gokhe attended one day workshop on revision of T.Y. B.Sc. syllabus on 24<sup>th</sup> July 10 at D.G. Ruparel College Mahim.

### **Department Of Chemistry**

- Prof V.S.Burkule and Dr.M.V.Rathnam attended One day workshop for Revised Syllabus of T.Y.B.Sc (University of Mumbai) on 16<sup>th</sup> June2010 held by Board of Studies in Chemistry , University of Mumbai .
- Prof (Mrs.)M.M.Ranade and Prof. D.R.Ambavadekar attended One day workshop for Revised Syllabus of T.Y.B.Sc (University of Mumbai) on 19<sup>th</sup> June 2010 held by Board of Studies in Chemistry, University of Mumbai at Patkar college
- Dr.U.R.Pandit and Dr.(Mrs) Pooja Jagasia attended One day workshop for

Revised Syllabus of T.Y.B.Sc (University of Mumbai) on 22<sup>nd</sup> June 2010 held by Board of Studies in Chemistry , University of Mumbai at Khalasa college

- Prof P. G. Bamane attended One day workshop for Revised Syllabus of T.Y.B.Sc (University of Mumbai) on 26<sup>th</sup> June 2010 held by Board of Studies in Chemistry , University of Mumbai at Somaiya college
- Prof (Mrs.)M.M.Ranade attended One day workshop for Revised Syllabus of T.Y.B.Sc (University of Mumbai) on 28<sup>th</sup> June 2010 held by Board of Studies in Chemistry , University of Mumbai at R.K.Talreja College .

#### **Department of Statistics**

- Prof. A. P. Patil, Prof.( Mrs) M. J. Gholba, Prof( Mrs) S. M. Phatak and Dr. (Mrs) K. D. Phal participated in two days workshop on revised syllabus of T.Y. B. Sc./ B. A. (Statistics) conducted by Somaiya College, Mumbai, on May 5 and 6, 2010.
- Prof. (Mrs) M. J. Gholba participated in two days Faculty Development Program on Research Methodology conducted K. B. / K. C. College, Thane, on 17<sup>th</sup> and 18<sup>th</sup> Sept. 2010.
- Prof. A. P. Patil attended three days National workshop on Medical Statistics & Clinical Trials held by Modern College Pune on 18<sup>th</sup>, 19<sup>th</sup> and 20<sup>th</sup> Dec.2010.
- Dr. (Mrs) K. D. Phal attended workshop on revised syllabus of T. Y. B. Sc. Applied component , at K.C. College in Dec. 2010.
- Prof.( Mrs) M. J. Gholba, Prof( Mrs) S. M. Phatak and Dr. (Mrs) K. D. Phal participated in one day workshop on revised practical syllabus of T.Y. B. Sc. (Statistics ) conducted by R. J. College, Mumbai, on 29<sup>th</sup> Jan, 2011.

#### **Department of Mathematics**

- Prof (Mrs.) M.T. Wankhede Attended workshop on T.Y. B. Sc New syllabus

conducted on 17<sup>th</sup> July 2010.

- Prof. Umesh Pal attended workshop on T.Y. B. Sc New syllabus conducted on 31<sup>st</sup> July 2010.
- Prof (Ms) Akanksha Shinde attended a national level seminar on "Vibrant management education is need of Indian industry" on 15<sup>th</sup>-17<sup>th</sup> Jan 2011 at K. R. Sapkal college of management studies.
- Prof (Ms) Akanksha Shinde and Prof (Ms.)Umalaxmi Birajdar participated in the workshop on "Mathematical Modeling and Free Mathematical Software" organized by Department of Mathematics, Institute of Chemical Technology, Mumbai from 26-27 Feb , 2011.
- Prof(Mrs.) M. T. Wankhede attended refresher course in "Financial Mathematics" conducted by Academic staff college , University of Mumbai from 21<sup>st</sup> Feb 2011 to 12<sup>th</sup> March 2011 .

#### **Department Of Microbiology and Biotechnology**

- Prof (Ms.) Sneha Narvekar attended workshop on revised syllabus of microbiology for T.Y.B.Sc. 2010 conducted at Wilson College on 28-29<sup>th</sup> April 2010.
- Prof (Ms.) Sneha Narvekar and Prof (Ms.) Priyanka Rode attended workshop on transactions of revised syllabus of biotechnology for T. Y. B.Sc. Practicals conducted at on Mithibai college on 6<sup>th</sup> and 7<sup>th</sup> June 2010.
- Dr.(Mrs) Kalpita Mulye and Prof (Ms.) Sneha Narvekar attended workshop on T.Y.B.Sc. revised syllabus at Ramnarian Jhunjunwala college on 11<sup>th</sup> June 2010.
- Prof (Ms.) Jayshree Pawar and Prof (Ms.) Sneha Narvekar attended work shop on transactions of revised syllabus of biotechnology for T. Y .B. Sc

Practicals conducted at K.C. College on 29<sup>th</sup> June 2010.

**Department Of Computer Science**

- Prof (Ms.) Pradnya Pawar, Prof (Ms.) Nishtha Harne attended workshop on Revised Syllbus of T.Y.B.Sc. Computer Science held at Patkar College, Goregaon.

**Department of Foundation Course**

- Prof S.K. Bhosale Completed UGC Sponsored Refresher Course from 19<sup>th</sup> February 2010 to 12<sup>th</sup> March 2010 at UGC Academic Staff College, University Of Mumbai , and secured A Grade

**Non-Teaching Staff**

Mrs Swati Khakam (Jr. Cleark) attended the workshop from 10<sup>th</sup> Feb & 11<sup>th</sup> Feb 2011 at T.J. High school , Thane

**Q 5) Total number of Seminars/Workshops conducted.**

National Conference (1)

Workshops – University level-(3)

Workshops College level-(4)

**National Conference (1)**

On November 26-27, 2010, Department of Information Technology conducted National Conference “Intelligent System”. Prior to this Conference two preparatory workshops were conducted on July 24 and Sept 25, 2010. Prof Sanjay Shitole, Assistant Professor in Information Technology at SNDT, Mumbai was the guest lecturer for first workshop while Prof. Rajendra Patil, Assistant Professor from KET’s Vaze College, Mulund was for the other. To understand the Biological flavor of the subject, two special lectures by Prin. (Ms.) M. K. Pejaver were conducted on July 31, 2010 and August 16, 2010.

The conference was inaugurated in the hands of Dr. V. V. Bedekar, Chairman, Vidya Prasarak Mandal. Dr. Rajendra Sonar Associate Professor of IS/IT

at SJMSOM, IIT Bombay was the Guest of Honor for the Inaugural function, of the conference, who published the proceedings of the conference

The first key note address was given by Dr. Rajendra Sonar on “Next Generation Business Intelligence” in which he talked on use of intelligence in business. In his speech, he talked on Enterprise Resource Planning, Customer Relationship and presence of Intelligent Computing which we are finding today and also the one which are expected in future.

The first technical paper was presented by Prof Prashant Kanade and Prof (Ms.)Anjali Yeole, Assistant Professor VES Institute of Technology on “Antiswarm: A swarm to Challenge the task of The Swarms: Primary Approach”. He discussed how Swarms will be useful for military purposes.

After lunch, the first guest speaker Mr. Zaki Anwar Hamdani, President and MD, Zaib Technologies Pvt. Ltd. introduced Embedded Systems and their applications in Robotics which was followed by presentation by Prof. Pritam Kalos, Assistant Professor, Wagh Institute of Technology, Nasik on “Comparison of Artificial Neural Network Algorithms for Roundness Prediction on Turned Cylindrical Bars”

Honorable Vice Chancellor Dr. Rajan Welukar’s speech on importance of intelligent system was a real motivation for organizers as well as for delegate students. In his small speech, he also told about how he brought concepts of virtual class rooms in YCMOU.

Live demonstration of wireless robotic cars and seminar on robotics conducted by YUPS Institutes concluded the first day of the conference.

First session of second day ( Saturday, November 27, 2010) of the conference was full of technical papers where

1. Ms. Khan Tehasin, Teacher, B. N. Bandodkar College of Science (Junior College), Thane talked about fuzzy logic with an example of grading students

2. Prof Mrs. Srivaramangai, Head, UDIT talked about genetic algorithms with an example of stock market
3. Prof Mrs. Chaitali Gadekar, Prof. Pushpendru Rakshit, Assistant Professor, MGM College, Kamothe had a talk on how Wireless sensor networking and AI will help in preserving trees and thereby nature
4. Prof (Mrs.) Anu Thomas, Assistant Professor, SIES College, Nerul had a talk on Artificial intelligence in Robotics
5. Prof.(Ms) Vinda Manjramkar, Assistant Professor, B. N. Bandodkar College of Science, Thane talked about how Neural Network in Animals how can it be Harnessed Artificially and Intelligently.
6. Knowledge Extraction and Fact understanding using opinion mining was discussed by Prof. Rajendra Patil, Assistant Professor, KET's Vaze College, Mulund, Prof. Hiren Dand, Assistant Professor, Mulund College of Commerce, Mulund and Dr. Ajay Patil, Assistant Professor, North Maharashtra University, Jalgaon.

After lunch, using Adobe Con connectivity, Mr. Prasad Dixit, Founder Member of Fennec Fox Technologies, Pune discussed the importance of robotics live from Pune. Being working in industry, he gave the input about latest robotic applications and how students can prepare themselves for the robotic field.

Mr. Dinkar Borde, Scientist, Telecommunication Engineer lifted the conference great heights. His speech related to all branches of Intelligent Systems in Marathi and with full of his real life experiences / examples made the students not only understand the topic in depth but also remove the fear regarding this technical topic. His speech was appreciated by standing ovation from all present in the auditorium.

In the valedictory function Principal declared next two conferences on

- Cloud Technology by Post Graduate Students of Department of Information

Technology on 26-27<sup>th</sup> November 2011

- Biotechnology in Diagnostics on 06-07<sup>th</sup> January 2012.

Workshops:

Preparatory work shops :2

First preparatory workshop towards “Intelligent System” conference was arranged on July 24, 2010. Mr. Sanjay Shitole, Assistant Professor in Information Technology at SNDT, Mumbai was the guest lecturer. Around 150 students and 14 staff members were present. Mr. Abhijeet Kale explained the purpose of the conference and along with Ms. Tehasin Khan from IT Department explained views in context to Intelligent System.

Second preparatory workshops towards “Intelligent System” conference was conducted on September 25, 2010. Mr. Rajendra Patil, Assistant Professor from KET’s Vaze College, Mulund was the guest lecturer. Around 135 students and 10 staff members were present. Prof. M. Saha, Prof. Mozes Kolet and students from Botany Department discussed the Botany approach of Intelligent System.

### **Workshop on “Wired Robotics”**

On December 13-14, 2010, Department of Information Technology organized Workshops on “Wired Robotics” in collaboration with YUPS Robotics And More. **62** students and **12** staff members from ours as well as nearby colleges attended the Workshop. Participants were trained to assemble their own Wired Robot which then was used for Soccer Competition.

Seminars:

### **Seminar on 'Drug Abuse and Illicit Trafficking of Drugs'**

The International Day against Drug Abuse and Illicit Trafficking was observed in on 26th June 2010. The NCC Army (Boys & Girls) and Navy units on the campus, along with the NSS unit had organized a seminar on 'Drug Abuse and Illicit Trafficking of Drugs' to observe the day. The Theme of the event was

'Think Health; Not Drugs.' The seminar was held in Patanjali Sabhagriha. Over 200 cadets, students and members of the staff attended and actively participated in the interactive sessions.

Cadets had prepared slogans against drug abuse, which were displayed. The entire proceedings were efficiently managed and conducted by cadets and student volunteers. The first guest speaker to grace the event was Senior Inspector of Police Shri D.D.Shivthare from Narcotic Drugs and Psychopathic Substances Cell, Crime Branch, Thane. He represented the Law Enforcement organization. Various aspects of drugs, drug abuse and trafficking were discussed in his presentation. The second invited speaker was Advocate Manoj Bhatt, an alumni an ex-NCC cadet. He enthralled the gathering with his presentation on the legal aspects of drug abuse. The invited lectures were followed by presentations by students, on different aspects of the topic, details of which are as given below:

#### **TITLE OF PRESENTATION PARTICIPANTS**

1. Origin of Drugs (Farming Aspects) Prachi Koli & Sanjaykumar Pandey
2. The Truth About Drugs Ajit Shipurkar, Pooja Khot & Shubhangi Tayade
- 3 Say No To Drugs Smita Patil & Reshma Patil
4. Classification of Drugs Priyanka Sawant & Amol Tripathi
5. Genetics of Drug Addiction Jyoti Dharvin.

#### **Q.9 Research Projects**

##### **A) No. of UGC sponsored research projects sanctioned on going: Three**

<b>Department</b>	<b>Project Title</b>	<b>Cost Rs.</b>	<b>Duration</b>	<b>In-Charge Staff</b>
Chemistry	“Separation of endogenous inhibitor, Immobilization and properties of PPO from	11,30,800/-	3 Yrs	Dr. (Ms) A. S. Goswami-Giri

	onion leaves”			
Botany	“Surveillance of habit distribution of medicinally important orchids from Maharashtra (Western Ghats) with mention to their substance composition and conservation of some rare and endangered orchids in orchidarium.”	4,81,300/-	3 Yrs	Dr. (Ms.) M. S. Mulgaonkar
Chemistry	“Study of Organic liquid-liquid mixtures of ester in cyclic ethers.”	5,88,000/-	3 Yrs	Dr. M.V. Ratnam

**B) No. of University sponsored research projects completed in the year 2009-10 : 4**

Department	Project Title	Cost Rs.	Duration	In-Charge Staff
Chemistry	Mechanism action of lanthana against wood destroying agency.	30,000	1 Yr	Dr. (Ms) A. S. Goswami-Giri
Zoology	Bio-compost- “ a Niche for insect diversity”	16,000	1 Yr	Dr.(Ms) M. K. Pejaver
Zoology	“Flora and Vertebrate Fauna of Malwada region in Taluka Vikramgad”	16,000	1 Yr	Dr (Ms.) N. N. Patil
Zoology	“To study the diversity in marine algae and shells found at coast Barshiv village near Alibaug”	20,000	1 Yr	Dr. (Ms )P.N. Kurve

**C) No. of University sponsored research projects sanctioned in the year 2010-11**

Department	Project Title	Cost Rs.	Duration	In-Charge Staff
Zoology	Assessment of some molluscan shells as a source of calcium for Aurvedic Medicines	30,000	1 Yr	Dr. R.P. Athalye
Botany	“Studies on the application of fungal inoculums for efficient management of cellulosic residues.”	19,000	1 Yr	Dr M.J. Kolet

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 2010-2011:-*

Sr. No.	Item	Amount in Rs.
1	UGC	11,000,00
2	UGC	25,000,00
3	Major Research Project (2) from UGC	
4	Minor Research Project from University of Mumbai (2)	49,000

Q.13 **Details of Research Scholars.**

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) &1 (M. U.)	1 M.Sc 1 Ph.D.	2 for Ph.D.	Dr. (Mrs) M.K.Pejaver
		Nil	Nil	2 Ph.D.	1 M.Phil	Dr (Mrs) N.N. Patil
		Nil	2 (M.U.)	03 for Ph.D.	2 for Ph.D.	Dr. R. P. Athalye
		Nil	1 (M.U.)	Nil	1 Ph. D	Dr. (Mrs) S.V.Mahajan
01	Botany	Nil	1 (M.U.)	Nil	1 Ph. D	Dr.(Ms)M.S.Mulgaonkar
11	Chemistry	5	8			Dr. Ratanam
		1	-	-	2 M.Phil	Dr.(Ms) A. Goswami
02	Physics *	2	Nil	Nil	Nil	Dr. M. N. Nyayate

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

The details about Research guides is

Sr. No	Name Of Guide/ Department	Ph.D.	M.Phil.	M.Sc. (Research)	Priority Areas For Research
1	Dr. Ms.M.K.Pejaver Zoology	√	√	√	Environmental studies, Toxicology, Limnology and Biodiversity and Entemology.
2	Dr. R.P.Athalye Zoology	√	√	√	Environmental studies, (creeks, river, lake) Insects & Polychete toxonomy, Benthic study. Physiology
3	Dr. Ms.N.N.Patil Zoology	√	√	√	Environmental studies & Fishery

4	Dr.Ms.S.V.Mahajan Zoology	√	√	√	Environmental studies & Toxicology
5	Dr.Ms.M.S. Mulgaonkar/ Botany	√	√	√	Orchids & Pharmacogony
6	Dr. M.J.Kolet Botany	√	√	√	Mycology and Environmental biotechnology
7	Dr. Mrs.M.Saha Botany	√	√	√	Plant tissue culture and Environmental biotechnology
8	Dr.M.N.Nyayate Physics	√	√	√	Atomic, nuclear and solid state physics
9	Dr.A.N.Bedekar Chemistry	√	√	√	Bio-organic and Analatical Chemistry
10	Dr.M.V.Rathnam Chemistry	√	√	√	Thermodynamics
11	Dr.Mrs.A.S.Goaswa mi-Giri/ Chemistry	--	√	√	Organic and Bio Chemistry, Natural Products
12	Dr. Mrs P.V. Jagasia	-	-	√	Organic Chemistry

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

Ans: Month wise number of visitors to our website are tabulated as:-

Month	Apr 10	May- 10	Jun- 10	Jul- 10	Aug- 10	Sept- 10	Oct- 10	Nov- 10	Dec -10	Jan -11	Feb -11	Mar - 11
visitors	3741	8380	25122	14682	11902	5348	4365	3672	5393	4468	4498	3950



During Admissions(in June) number is maximum.

Q.15 Honors/Awards to the faculty

Ans Department of Zoology

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

1. Elected as **Dean of the Science faculty**, University of Mumbai.
2. Selected as a **member of committee to review the present methodology of Assessment and Accreditation by NAAC.**
3. Awarded **“Paryavaran Mitra Purskar”** by TJSB – The Thane Janata Sahakari Bank, Thane for excellent work in the field of environment protection & conservation on 5<sup>th</sup> June 2010.
4. Given a **certificate of Honor** by PWD, Thane on the Occasion of International Women Day on 8<sup>th</sup> March 2010.
5. Honored as “Bal Sahitya Mitra” by Nyayik Ladha Patrakar Seva Sanstha on 8<sup>th</sup> January 2011.
6. Invited as Resource Person to deliver a lecture on NAAC preparation at K.G.Joshi College of Arts & N.G.Bedekar College of Commerce, Thane on 9<sup>th</sup> June 2010.
7. Invited to be a member of advisory committee for “Interdisciplinary State

Level Seminar on Ecotourism an Indian Perspective” conducted by M.D. College, Parel on 13<sup>th</sup> February 2010.

8. Invited to be a member of advisory committee for National Level Seminar on “Present Scenario of Aquatic Biodiversity with respect to Pollution in India” conducted by Mahatma Phule Arts, Science & Commerce College, Panvel, on 15<sup>th</sup> & 16<sup>th</sup> February 2010.
9. Invited as a chief guest-
  - i. for International Women Day Celebration by PWD, Thane on 8<sup>th</sup> March 2010.
  - ii. by Nyayak Ladha Patrakar Seva Sanstha, Thane for Women day celebration on 27<sup>th</sup> March 2010.
  - iii. for Environment Day Celebration by Mentro Environment at Bhandup on 8<sup>th</sup> September 2010.
10. Delivered a lecture on-
  - i. “Biodiversity from fresh water bodies” in National Seminar on “Present Scenario of Aquatic Biodiversity with respect to pollution in India” organized by Department of Zoology Mahatma Phule Arts, Science, Commerce College, Panvel on 15<sup>th</sup> February 2010.
  - ii. “Household Waste Management and Bio-composting” at Guru Nanak College of Arts, Science and Commerce, Chembur on 18<sup>th</sup> February 2010.
  - iii. NAAC preparation’ at K.G.Joshi College of Arts & N.G. Bedekar College of Commerce, Thane, on 9<sup>th</sup> June 2010.
  - iv. “Many Species one planet, one future” in world Environment celebration Day at ACC, Thane on 4<sup>th</sup> June 2010.
  - v. “Role of Hariyali” at the program of Jilha Nyaya Pradhikaran in collector office, Thane, on 29<sup>th</sup> June 2010.

- vi. “Functioning of Hariyali” in the inaugural session of visit of students to India from Auckland International College, Newzealand, on 3<sup>rd</sup> July 2010, in Patanjali Sabhagruha.
  - vii. “Household Waste Management” in National Seminar on Urban Waste Disposal and its Impact on Environment : Quest for solution, organized by Department of Chemistry, Sibsagar College, Joysagar (Assam) on 23<sup>rd</sup> - 25<sup>th</sup> September 2010
  - viii. Orientation lecture on re-accreditation process of NAAC in ICLE's Motilal Jhunjhunwala College, Vashi on 27<sup>th</sup> October 2010.
  - ix. “Development and Evolution of Syllabus” in Refresher course in Biological Sciences [Entrepreneurial & Industrial Biology] on 30<sup>th</sup> October 2010 in Mithibai College.
11. **Delivered 4 talks** on All India Radio on “Jaivividhatche Mahatva” on 25, 26, 27, 28 April 2010
12. Invited as subject expert -
- i. on selection committee for career Advancement at Birla College of Arts, Science and Commerce, Kalyan, in January 2010.
  - ii. on selection committee for the post of Principal at Gramin Shikshan Sanstha's Arts, Commerce and Science College, Thane, in 6<sup>th</sup> September 2010.
13. Invited as an Examiner to conduct the viva for M.Sc. Zoology at M.S. University Baroda for March / April 2010.
14. **Life member** of “Maharashtra Pakshi Mitra” Chiplun from May 2010.
15. Invited to be a member in core group for XI<sup>th</sup> standard admissions of Maharashtra Board MMR region for 2010 – 2011.
16. Worked as the convener for two days National conference on “Intelligent Systems” which was organized by Department of Information Technology,

B.N.Bandodkar College ,Thane on 26<sup>th</sup> &27<sup>th</sup> November 2010.

17. Worked as Chairperson for a session in “National level conference on Impact of urbanization on Lake Ecosystem” (Causes, consequences and remedial measures) conducted by Vikas Night College of Arts, Science and Commerce, Vikroli, on 21<sup>st</sup> December 2010.

**Dr.(Mrs) N.N.Patil** was invited as

- **Subject Expert**, in the subject of Zoology Karmaveer Baaurao Patil college, Vashi, 10 th July 2010, Navi Mumbai

**Dr.R.P.Athalye** was invited as

1. **Jury** for paper presentation competition at One day conference on “wet lands- Key to preservation of Environment” organized by Paryavaran Dakshta Munch Thane at B.N.N. College , Bhiwandi. 2nd Feb. 2010.
2. Resource person at the workshop on revision of T.Y. B.Sc. syllabus of applied component organized by Board of studies zoology, Mumbai University at Zoology Dept. St. Xavier’s college, Mumbai. 21<sup>st</sup> July 2010.
3. Resource person ,for workshop on Revised syllabus of Applied component for T. Y. B.Sc. zoology organized by Board of studies zoology, Mumbai University at K. J. Somaiya college Ghatkopar. 7<sup>th</sup> August 2010.
4. External referee for M.Phil. Dissertation from Shivaji University Kolhapur. 7<sup>th</sup> June 2010.
5. Key note speaker for a function to felicitate the students and teachers- organized by Lions club Kanjurmarg, Mumbai. 19<sup>th</sup> Aug. 2010.
6. Invited as subject expert –
  - i. as V.C’s Nominee, Interviews of the posts Assistant Professor. at Zoology Dept. R. J. Jhunjhunwala College. Ghatkopar. Mumbai. 12<sup>th</sup>

July 2010.

- ii. Interviews of the posts Assistant Professor . SGV and SSP College . Onde, Vikramgad, Thane. 25<sup>th</sup> July 2010.
  - iii. for the Interviews of the posts Assistant Professor at B.N. N. College , Bhiwandi. 17<sup>th</sup> Sept 2010.
7. Invite to deliver a Guest lecture on Entomology at UGC sponsored refresher course in Biological sciences (Entrepreneurial and Industrial Biology) at Mithibai college of Arts, Sc. and Com. on 29th Oct. 2010
  8. Invited as Advisory Committee member for National Conference on “Impact of urbanization on lake ecosystem (Causes, consequences and remedial measures)” organized by Vikas night college of Arts, Science and commerce on 12<sup>th</sup> Dec 2010.
  9. Invited as the Chief Guest at Annual Social gathering and Prize distribution ceremony I.E.S.’s Secondary School Bhandup, on 15<sup>th</sup> Dec 2010.
  10. Invited as the Chief Guest at Annual Social gathering and Prize distribution ceremony at Late D. L. Marathe, Primary School, Vartaknagar Thane on 22<sup>nd</sup> Dec. 2011.
  11. Invited as Chief Guest at one day conference on Wetlands – Key to healthy environment, Organised by Evirovigil Thane, K.B.P.College, Vashi, Navi Mumbai M.P.C.B., Vidyan Bharti at K.B.P.College, Vashi, on 2<sup>nd</sup> Feb 2011

**Dr (Mrs) V.D. Manjramkar**

- Received **Samaj Bhusan Puraskar** from NGO Nyaeek Ladha, for social work , on 25<sup>th</sup> Oct.2010
- Was invited as
  1. Vice Chancellors nominee Subject Expert in the subject of Zoology Karmaveer BaauraoPatil college, Vashi, 10 th July 2010Navi Mumbai.
  2. Vice Chancellors nominee Subject Expert in the subject of Zoology

Kelkar vaze college Mulund, 16 July 2010.

3. Subject expert in zoology at N.E.S. Ratnam College On 16 July 2010

4. Subject Expert in the subject of Zoology Menon College Bhandup on 16 Sept 2010.

**Dr (Mrs) P.N.Kurve :** Was invited as

- judge at A.K.Joshi English Medium School, Thane for science exhibition on 12<sup>th</sup> February 2010.

**Dr. K. M. Pariya** Was invited as

- a Resource Person to conduct Practical on 21<sup>st</sup> Aug 2010 in Bioinformatics at National College, Bandra

### **Department of Botany**

**Dr. (Mrs.) M. S. Mulgaonkar**

1. was awarded 'Certificate of Excellence' by International Society of Science and Technology, Mumbai for a **lead lecture** titled "**A Glimpse to the world of Orchids**" on UGC Sponsored two day National Conference on Recent trends in Plant Sciences for rural development on 20<sup>th</sup> – 21<sup>st</sup> Feb., 2010 at Aundha Nagnath, Parbhani. Also chaired a session during the conference.
2. Was invited as a Subject Expert for subject of Botany on 10<sup>th</sup> July, 2010 in Karmaveer Bhaurao Patil College, Vashi .
3. **Felicitated and awarded an excellence award** by Indian Botanical Society, Mumbai Chapter in a Seminar on Prospects of Plant Sciences in 21<sup>st</sup> Century organized by D.G. Ruparel College (Matunga) on Wednesday 9<sup>th</sup> Feb. 2011.
4. **Member of Advisory committee** of National Conference on

“Environment and Climate, Theme: Impact assessment of Environment and Climate” on Sunday 13<sup>th</sup> Feb. 2011 organized by M.V.M. Science and Home Science College, Rajkot.

5. Was invited to deliver a lecture in the National Conference on “Environment and Climate, Theme: Impact assessment of Environment and Climate” on Sunday 13<sup>th</sup> Feb. 2011 organized by M.V.M. Science and Home Science College, Rajkot.

**Dr. M. J. Kolet**

- was Invited as Judge/ Evaluator for the Thane District Level 18<sup>th</sup> National Children’s Science Congress 2010 held at P.E. Society’s English Medium School, Thane (E) on 9<sup>th</sup> Oct 2010.
- Invited as Chief Guest for community function and felicitation of academic scholars by NGO AHVA on 27<sup>th</sup> March 2011 at Shivaji Mandir, Dadar, Mumbai
- Delivered an Invited Popular Guest Lecture on ‘**How to become a Leader**’ at VPM’s Polytechnic, Thane on 29<sup>th</sup> March 2011 for the students of Medical Electronics.

**Dr. V. M. Jamdhade**

1. was invited as Guest of Honor for the seminar on Emerging Technologies and Application in Engineering and Sciences (NCETAES-2011) held at Saraswati Engineering College, Kharghar, Navi Mumbai .
2. Was invited to deliver a lecture in the U.G.C. Sponsored conference on Applied Aspects of Life Sciences for the Welfare of Mankind held at Deogiri College, Aurangabad on 15-16 January, 2011.

3. Invited to Chair the Session in the international conference Sustainable Environment (ECO REVOLUTION-2011) held at Hotel Vits Hotel, Aurangabad on: 19-20 February, 2011.
4. Was felicitated by award for outstanding contribution in the field of Environment, Scientific work and Educational contribution 2010-2011 from Bharatmata Bahuudesheya Santha, Naldurg Dist. Osmanabad on 20.02.2011

### **Department of Chemistry**

#### **Prof V.S.Burkule**

1. was invited to deliver a lecture on ‘ Revised Pattern of T.Y.B.Sc-Chemistry (Major ) Practical -2010-2011- for Physical Chemistry Practical on 28<sup>th</sup> January 2011 at JSM College , Alibag .
2. was invited as subject expert for the post of Assistant Professor at Kokan Gyanpeeth ’ Arts ,Commerce and Science College ,Karjat . District: Raigad on 29<sup>th</sup> January 2011

### **Department of Physics**

#### **Prof Namdev Mandge**

1. was conferred a title of "**THANE GAURAV**" for his outstanding contributions to social and educational activities. This award is given by Thane Municipal Corporation.
2. He is divisional secretary of 'Akhil Bhartiya Marathi Vidnyan Parishad'.
3. He is working as director of 'Thane Janata Sahakari Bank'.
4. He is also nominated as Chairman - 'Ethics Committee', 'Kaushalya Medical Foundation Trust'.

***Prof. S.G. Bapat***

- invited as a Guest Lecture in Birla College of Arts, Science & Commerce, Kalyan on 4<sup>th</sup> Feb 2011

***Department of Statistics***

**Prof. A.P. Patil**

- Was invited as Resource Person in two day workshop on revised syllabus of T.Y. B. Sc./ B. A. (Statistics) conducted by K.J. Somaiya College, Mumbai, on May 5<sup>th</sup> and 6<sup>th</sup>, 2010.

**Prof (Mrs) .M.J. Gholba**

Was invited to deliver a lecture on

1. “Public health and my contribution” on 16<sup>th</sup> Jan 2011 by Nana Palkar Smruti Seva Mandal.
2. “Importance of solid waste management” for Shreenagar/ Kisannagar residents on 13<sup>th</sup> March 2011, the program was organized by Samarth Bharat Vyaspeeth.

***Department of Mathematics***

**Prof(Mrs) M.T.Wankhede** was invited as a chief Guest to deliver a talk on

1. “Moral Values” for the students of Bahujan Hitay Vasatigruha on 24<sup>th</sup> July10.
2. “Buddha and His Eight fold Path” at Mabodhi Vihar Ulhasnagar on 11<sup>th</sup> Sept.10.
3. “Social Revolution” organized by Youth Development Circle on 22<sup>nd</sup> Oct 10.

***Department of I. T.& computer Science.***

**Prof A.A Kale**

- was invited as Resource Person for Workshop on Revised Syllabus of F.Y.B.Sc. (I.T.) held on at Vaze-KelkarCollege, Mulund.
- is appointed as member of Scrutiny Committee for verifying the applications for continuation of affiliations from various colleges for B.Sc. (IT) Course.
- Worked as Resource person for F.Y.B.Sc. (I.T.) Revised Syllabus workshop held at S. K. Somaiya College, Vidyavihar on 6<sup>th</sup> December 2010.

- Was invited as Guest Lecturer for B.Sc. (I.T./C.S.) students at CKT College, Panvel on January 11, 2011.
- Was invited as Guest Lecturer for T.Y.B.Sc. (I.T.) students of Vikas College, Vikhroli on February 25, 2011.

**Department of Bio-technology & Microbiology**

**Prof (Ms.) Jayshree Pawar**

- Was invited as judge for biotechnology festival “ BIO GENEI ” at K.C.College, churchgate, Mumbai.on 31<sup>st</sup> August 2010.

**Mrs Kadambari Manjrekar, Librarian**

- Was invited as Senior Supervisor for B.L.I.Sc and M.L.I.Sc examinations of Yashwantrao Chavan Maharashtra Open University, at Karmaveer Bhaurao Patil College, Vashi from 23<sup>rd</sup> April to 26<sup>th</sup> April 2010.
- Was invited as Guest lecturer for M.L.I.Sc students in LJNJ Mahila College on 18<sup>th</sup> December 2010.

Q.16 Internal Resource Generated.

Ans Several unaided courses have been introduced in the College. This has improved the financial position of the college to some extent. Some revenue is generated from the conduct of I.C.W.A., GATE Examinations etc.

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

Sr. No.	Item	Amount
1	Development Grants from UGC: UG (initial advance under XI Plan) PG	11 lakhs
2	Development Grants from UGC: UG /PG	25 lakhs

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 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 editorial 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 NGO Smarth Bharat Vyaspeeth, Thane.

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.

**NSS:**

The social activities of NSS students are listed below.

Sr.	Date	Details
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No.		
1	09 <sup>th</sup> June 10 to Sep.10	Saplings preparation and setting up of nursery in association with Hariyali, Thane.
2	27 <sup>th</sup> June 2010	Participated at Mahabeejaropan Abhiyan on Thane – Nasik Highway.
3	13 <sup>th</sup> Aug 10	Workshop on Combating Disaster was arranged in association with FORCE 24 X 7.com on disaster management.
4	25 <sup>th</sup> Aug. 10	Thalassemia Detection camp in association with THINK Foundation and Rotary Club of Garden City, Thane
5	25 <sup>th</sup> Aug. 10	Blood donation camp in association with Rotary Club of Kanjurmarg & Bloodline Charitable Blood Bank, Thane
6	26 <sup>th</sup> Aug 10	Workshop on Consumer Rights Awareness arranged in association with Consumer Protection Service Council, Thane.
7	07 <sup>th</sup> Sept. 10	Interactive Session was arranged on “STREE BHROON HATYA” in association with Consumer Protection Service Council, Thane.
8	04 <sup>th</sup> Dec. 10	Workshop on Interview Etiquettes by Rotary club, Thane.
9	06 <sup>th</sup> Oct 10	Participated at Rally on Hiroshima Day at Azad Maidan in association with Sarvodaya Mandal, Ghatkopar.
10	04 <sup>th</sup> Dec 10	Workshop on AIDS AWARENESS is arranged in association with NACO, THANE.
11	04 <sup>th</sup> Dec. 10	Workshop on Interview Etiquettes by Rotary club, Thane.
12	15 <sup>th</sup> Dec. 10	Workshop on How to be a smart investor in association with NSE and Consumer Guidance Society of India.
13	09 <sup>th</sup> Jan 11	Watershed development project studied at Bhavale Lonad forest at Bhiwandi in association with Hariyali.
14	23 <sup>rd</sup> Dec 10 - 04 <sup>th</sup> Jan 11.	Fourteen students attended National Youth Exchange Programme of 10 days at Hira Village, Gulbarga, Karnataka
15	26 <sup>th</sup> Dec.10 to 2 <sup>nd</sup> Jan.11.	Four students attended 07 Days District Level Camp at Gogte – Joglekar college, Ratnagiri.
16	03 <sup>rd</sup> Jan. 11	Road Safety Programme conducted for youth in association with Thane Traffic Police.
17	28 <sup>th</sup> Jan. 11	Blood donation camp in association with Rotary Club of Kanjurmarg &

	Bloodline Charitable Blood Bank, Thane
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**Seven Days Residential camp** was conducted at MAAN Ashramshala, Maan Village, Tal. Vikramgad, Dist. Thane in association with Dr. M. L. Dhawale Memorial Trust, Bhopoli. 55 students (Male: 36 and FEMALE: 19) together with 4 Non – NSS Male and 2 Non – NSS Female and 3 Male Professors and 2 Female Professors participated in the camp activities conducted during camp are:

1. Seven COMPOSTING PITS were prepared. One fully recharged with biodegradable material, two half recharged for further filling and 4 for non degradable material.
2. ‘Jan Jagruti Abhiyan’ (Survey on Tribal Children malnourishment) conducted in Savade village of 13 Padas. 184 forms filled and analysis done.
3. Essay, Elocution, Drawing, Sports and cultural activities conducted for Ashramshala students.

### **N.C.C.**

Our NCC officer Capt. Dr. Moses Kolet participated in National conference on ‘Role of NGOs and youth in social transformation’ in March 2010 and presented a paper titled ‘The National Cadet Corps and Yoga as valuable instruments of transformation’.

Eligible students from Bandodkar College, Joshi-Bedekar College, VPMs Polytechnic as well as colleges from surrounding areas were enrolled in our NCC unit.

- The unit achieved 100% result in the NCC ‘B’ and ‘C’ certificate examination.
- A seminar with the theme of ‘Say No to Drugs’ and ‘Think Health, Not Drugs’ was organized on 26<sup>th</sup> June 2010 to observe the International day against drugs abuse and illicit trafficking. Advocate Manoj Bhatt a prominent

lawyer, faculty of our law college and our own ex-NCC cadet spoke on the legal aspects of Drugs abuse. During the seminar cadets displayed slogans and gave power point presentation on various aspects of drugs abuse.

- Four cadets attended the TSC practice camp.
- Total 36 cadets participated in four annual training camps all held at Colaba, Mumbai from May 2010 to June 2010.
- Twenty Eight cadets got an opportunity to fire live ammunitions during the firing camp held at Colaba, Mumbai in June 2010.
- Five cadets took part in the 1<sup>st</sup> Thal Sena camp in June 2010 out of which one cadet each took part in the 2<sup>nd</sup> and 3<sup>rd</sup> Thal Sena camp on July and August 2010 all held at Nashik.
- One cadet participated in two, 'Pre-Republic Day Camp' at Aurangabad in November 2010.
- Three cadets were attached with regular units of Indian Army during army attachment camp held at Kamptee, Nagpur in December 2010.
- One cadet participated in the national level sailing expedition from Mumbai to Valsad in January 2010.
- Three cadets represented our college at the national Integration camp in Amritsar, Panjab in December 2010.
- Cadets participated as volunteers in the pulse polio immunization programs carried out by the health department.
- The unit celebrated Earth day on 21<sup>st</sup> August 2010. Cadets participated in competition of poster making organized by NCC directorate.

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: 101

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
- Entry and Issue of Books are using I Cards ( Smart Cards )
- Total Book : 21,958
- Total Journals : 45
- National : 38
- International : 07 ( The LANCET, Nature, Science, British Medical Journal (BMJ), Journal of American Medical Association (JAMA), The Linnaean,
- Magazines : 24

- 5 Paid Databases J-Store (Online Journal), ProQuest, CMIE, Manupatra, Art Stor, N-List on Website
- 7 Open Access Databases Open J-Gate, DOAJ, DOAR, SSRN, SSIG, ERIC, Pub Med
- Web-OPAC (Online Public Access Catalogue of around 1.37 Lakhs books throughout the Campus)
- granthalaya.org ( Access to 18 public library database, search using Marathi Language is possible) )

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

In the year 2010-2011 we have added 1321 books in our library .

Subject	No. of Books		Cost of Books in Rs.	
	College	UGC	College	UGC
Physics	67	52	15721	20308
Chemistry	70	47	10006	79120
Mathematics	34	1	15883	810
Statistics	16		12283	
Botany	6	19	4452	16710
Zoology	20	15	6852	15707
F.C	36		4612	
FGR	54		19081	
Biotechnology	112		91855	
Microbiology	74		126284	
I.T.	311		104612	
Computer Science	347		144231	
Donation	40		6515	
Total	1187	134	562387	132655

Periodicals :

	College	Amount Spent in Rs.
Journals	39	
Magazines	18	8336
IT magazines	7	6054
Newspapers	11	10908
Total	72	71498

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

Ans: This year our T.Y. B. Sc (I.T) students have developed software to get student's assessment of teachers forms filled online. We have got T.Y. B.Sc. students' feedback 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. 78,558/- per student per year by taking in to account all expenses including salary of teaching & non-teaching staff.

Unit cost of education comes to Rs. 6,301/- per student per year if salary of teaching & non-teaching staff is borne by the Government.

**For Self Finance Courses:**

Unit cost of education comes to Rs. 28,616/- per student per year including salary and non salary expenses unit cost of education comes to Rs. 21,993/- 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 the procedure of accepting the admission forms online for last four years. Our admission forms for all classes were available on web-site [www.vpmthane.org](http://www.vpmthane.org). Students fill the forms online. All Merit Lists were declared on our web-site along with the status of admissions and closing percentage. 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. & 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, these are printed in our library and issued on the same day of the admission.
- ✓ From this year students filled feedback forms for teachers as well as for non teaching staff online.

Q.26 Increase in the infrastructural facilities:

- Ans:
- ❖ Every Department is given a Laptop and LCD
  - ❖ This year 8 new laptops, 6 new LCDs and one smart board/Simulated Podium (Sympodium) were purchased. So now we have 14 Laptops, 12 LCDs.
  - ❖ We are proud to have new software SPSS which will be useful to all students and researchers. We bought SPSS PASW Statistics 18.0 Base + Regression and Advanced Statistics Modules. The license is of perpetual type and it is for Ten users, and it is renewed every year at no additional cost.

### **Equipment Purchased**

**Chemistry :**

1. Spectrophotometer Model EQ-820
2. Spectrophotometer Model EQ-822
3. Flame Photometer Model EQ-850
4. UV Visible Spectrophotometer EQ – 826

**Botany**

Equipment purchased: Autoclave

**Physics**

- 1 e/m Apparatus (Thomson's Method)
- 2 Hall Effect app. With high field electromagnet
- 3 H- discharge tube with transformer
- 4 Ultrasound interferometer (liquid medium)
- 5 8085 Microprocessor training kit
- 6 LVDT Trainer kit
- 7 Analog & Digital Trainer kit
- 8 Amplitude Mod.kit
- 9 Frequency Mod. Kit

**Zoology**

- 1 Variable volume pipette
- 2 Food Processor Philips
- 3 Automatic Burette
- 4 Medium size Autoclave

**IT/ Computer Science**

40 Desktop Computer contains Intel 4i, Intel Dual Core 2.7 GHz CPU, 2GB RAM, 160 GB cabinet with SMPS Multimedia, Keyboard, Optical sensor

mouse.

**Q.27 Technology Up gradation**

**Ans** 1. Our management tried to have our own D-Space (Digital repository) scheme to store very important data in E-format, which is feasibly accessible from anywhere.

D-Space is an open source software package that provides the tools for management of digital assets, and is commonly used as the basis for an institutional repository. It supports a wide variety of data, including books, theses, 3D digital scans of objects, photographs, film, video, research data sets and other forms of content. The data is arranged as community collections of items, which bundle bit streams together. D-Space is also intended as a platform for digital preservation activities.

We are trying to keep scanned copies of Question Papers, Question banks, lecture -Notes on D-Space available on our website [www.vpmthane.org](http://www.vpmthane.org)

2. For each teaching and administrative staff, Webmail ids are created in webmail service.
3. To have online communication between all institutes belonging to VPM, Calendar, Notice board is made available on our intranet server.
4. VPM, our Management has installed Express feeder in order to avoid the risk of power failure.
5. We have 4 Mbps broadband connection which comprises 2 MTNL leased line from TNL each of 3 Mbps and One VSNL lease line from VSNL of 512 Mbps.

6. In order to facilitate video conferencing of ongoing auditorium programs on campus, polycom video conferencing system is activated.
7. To monitor entry Goods and certain campus areas, CCTV's are installed on campus which is controlled through our server room.

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

Ans: Computers are available in all the 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 eight 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 programmes, if and when needed.

Q.29 Financial aid to students

Ans A) Scholarship

Sr.no.	Type of Scholarship	No.of students	Amount in Rs.
1	SC	44	5,36,520
2	ST	09	95,220
3	NT	19	2,25,720
4	OBC	72	5,92,505
5	SBC	18	2,49,825
Total	5	162	16,99,790

B) Freeship

Sr.no.	Type of Freeship	No.of students	Amount in Rs.
1	SC	60	811110
2	ST	11	123135

3	NT	36	522595
4	OBC	84	649900
5	SBC	13	180320
Total	5	204	22,87,060

### C) Other Scholarships

Sr.no.	Name of Scholarship	No.of students	Amount in Rs.
1	Scholarship for handicapped students	01	900
2	Minority community scholarship	11	1,02,890
3	PTW Freeship	2	2,670
4	STW Freeship	2	2,670
5	Cidco stipend	1	3,500
6	Educational assistance for needy &EBC students	2	4,000
7	Post-graduate Open merit scholarship	6	9,000
Total	7	25	1,25,630

### 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 2010-11 are as follows.

- 1.. A past student Jitendra Eknath Ghude (pursuing his M. Sc. Part-I in Zoology at Jhunjhunwala College) was invited on 10<sup>th</sup> February 2011 to interact with the T. Y. B. Sc. Zoology students. He was a student who

scored 52% marks at F.Y. and 57% S.Y. levels but raised himself to 72% at T.Y.B.Sc. With Zoology as the principal subject. He discussed his methodology about studying with the current students. Jitendra stressed upon the attendance during lecture and also during prelim exams. He emphasized the importance of study by group discussion

2. Our 1982 passed out student Mr Sanjay Sule who presently runs Technical institute at Thane (Industrial Engineering Institute) was invited on 7<sup>th</sup> February 2011 to interact with our present students. He impressed upon the student to continue their studies beyond B.Sc degree. He explained about various courses available after B.Sc.

- From Alumni (1984 batch) a donation of Rs. 60,000/- was given to VPM for giving Endowment Prizes to the toppers at T.Y.B.Sc. class in the subjects Physics, Chemistry, Mathematics, Statistics, Botany and Zoology.

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., & 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 who is well known psychiatric & founder member of IPH.

- Also from last four years we have started Mentor System which functions at students level and counsel the students regarding the personal as well as career problems. Also we arrange the interaction session with qualified psychiatrists.
- We have well equipped gymkhana student 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 **101** 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] Chess Tournament**

Our Degree college team participated in University of Mumbai organized Tournament . The following students were selected at Zonal level. and also for Inter-Collegiate Chess Individual Championship.

Sr.No	Class	Name of Event	Name of Student
1	T.Y.BSc I.T.	Chess	Mulye Nikhil Sharad
2	T.Y.B.Sc I.T.	Chess	Maurya Sanjay Radheshyam

**2] Cricket Tournament** :Our Degree and Junior College Cricket Teams received guidance from cricket coach Mr.Shashikant Naik. Our Degree college team participated in Inter collegiate Cricket Tournament University of Mumbai and Junior college team participated in Tournaments organized by Zilla Parishad .

**3] 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.

**4] Athletics:** Our Degree college Boys & Girls team is participating in Athletics Inter colligate Tournaments of University of Mumbai.

**5] Football :** Our Degree college Boys team participated in Football Tournament organized by University of Mumbai

**6] Power Lifting :** Our Degree college Two Students participated in Power Lifting Tournament organized by University of Mumbai

**8] Shooting :** Our Degree College Two Students participated in Shooting Tournament Organized by University of Mumbai.

#### **Individual Participation and Achievements**

	Name	Tournament /Competition	Medal	Organized by
1	Miss. Mrudula Sawant	JUDO	Gold Medal	Zilla Parishad
2	Mr. Omkar Sanjay Davate	CHESS	Gold Medal District level & 7 <sup>th</sup> Position at division level.	Zilla Parishad
3	Mr. Vaibhav Jadhav	100 mts. RUN	Silver Medal	Zilla Parishad
4	Mr. Alock Gupta	LONG JUMP	Silver Medal	Zilla Parishad
5	Mr. Siddheshwar Jagadale	Sikai Marshal Art	Gold Medal	Zilla Parishad

#### **Annual Sports Activities**

Indoor Activities were held from 10<sup>th</sup> December 2010 to 20<sup>th</sup> December 2010. Annual Athletic Meet was organized on 22<sup>nd</sup> December 2010 on college ground. **120** Students, 30 Teaching members and 40 Non teaching members participated in various events.

General Championship was awarded to the following Students

Students Name	Degree College	Class, Div & Roll No.
Shaikh Wasim Ahmed	Degree College	S.Y.BSc. 'A' /40
Khan Afsha Zafar	Degree College Girls	T.Y.BSc. I.T./ 471

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 & 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:

#### **Academics**

- **Ms.Nishigandha Kurhade** secured third position in subject list of Mathematics and 8<sup>th</sup> position in general merit list of Mumbai University. Her percentage of marks was 90%.
- **Ms Nishigandha Kurhade** qualified IIT-JAM 2010
- **Ms. Pooja Padyal** stood third in subject merit list of Chemistry of Mumbai University. Her percentage of marks was 86%.
- **Mrs. Jayashri S. Menon** awarded Ph.D degree in Zoology under the guidance of our teacher Dr. (Mrs.) S.V. Mahajan (Zoology) from University of Mumbai.
- **Mr. Sameer Nandkumar Surve** awarded Ph.D degree in Botany under the guidance of our teacher Dr. (Mrs.) M.S. Mulgaonkar (Botany) from University of Mumbai.

#### **Participation in Various conferences/ Seminars**

**(1)Mr. Sudesh D. Rathod- Zoology Ph.D. Student**

Attended and presented a paper on “FOOD AND FEEDING HABIT OF MYSTUS GULIO (HAM.) FROM ULHAS RIVER ESTUARY AND THANE CREEK.” on 9-10<sup>th</sup> October, 2010 at 12<sup>th</sup> National Conference of “Society of Science and Environment” for “Interdisciplinary Approaches in Environmental Sciences” organized by Department of Zoology, Faculty of Science, M. S. University of Baroda, Vadodara, Gujarat.

**(2) Ms. Vishakha Shingala- Zoology Ph.D. Student**

**1) Participated in a Training Program “Science of Living” for Women Scientists on 20-24<sup>th</sup> September, 2010 at Prakruti Resort, Vadodara organized by “Academy of Human Excellence”, sponsored by Department of Science and Technology, Government of India.**

**2) Attended and presented a paper on**

- i. “Spatio-Ecological Approach to Environmental Management of three Neretic Ecosystems along Maharashtra Coast, India.” in UGC Sponsored **National Conference** on “Environment Management and Challenges for Sustainable Development” Organized by Department of Botany and Zoology, M. D. College, Parel and The International Society of Science and Technology, Mumbai on February 2-3, 2011.
- ii. “Status of Phytoplankton Diversity of Gorai Creek, Mumbai.” in **International Conference** on Biodiversity and Its Conservation Organized by Modern College of Arts, Science and Commerce, Shivajinagar, Pune. on January 28-30, 2011.
- iii. “Study Of Macrobenthic Fauna In The Intertidal Zone Of Gorai Creek, Mumbai.” in the **Fourth International Conference** on “Plants and Environmental Pollution.” Organized by International Society of Environmental Botanists and National Botanical Research Institute, Lucknow, on December 8-11, 2010.

- iv. “Annual Assessment Of Density And Diversity Of Zooplankton In Inshore Water Of Gorai Creek, Mumbai.” in the **12<sup>th</sup> National Conference** of Society of Science and Environment on “Interdisciplinary Approaches in Environmental Sciences”. Organized by Department of Zoology, M. S. University of Baroda, Vadodara, Gujarat. On October 9-10, 2010.
  - v. “Spatio-Ecological Approach to Environmental Management of three Neretic Ecosystems along Maharashtra Coast, India.” in UGC Sponsored **National Conference** on “Environment Management and Challenges for Sustainable Development” Organized by Department of Botany and Zoology, M. D. College, Parel and The International Society of Science and Technology, Mumbai on February 2-3, 2011.
- 3) Attended and presented a poster “Impact Of Anthropogenic Intervention On The Macrofaunal Biodiversity Of Gorai Creek, Mumbai.” in First Indian Biodiversity Congress-National Seminar by organized CISSA (Centre for Innovation in Science and Social Action), Thiruvananthapuram, Kerala. on December 28-30, 2010.

**(3) Ms. Shilpa L. Patil- Zoology Ph.D. Student**

Attended and presented a paper on “PHYTOBENTHOS IN VAITARNA RIVER AT GHODMAL, THANE, MAHARASHTRA” on 9-10<sup>th</sup> October, 2010 at 12<sup>th</sup> National Conference of “Society of Science and Environment” for “Interdisciplinary Approaches in Environmental Sciences” organized by Department of Zoology, Faculty of Science, M. S. University of Baroda, Vadodara, Gujarat.

**(4) Ms. Sheetal Chaudhari – Zoology Ph.D. Student**

Attended and presented a poster on “Molluscan diversity of Thane creek near Bhandup, Maharashtra” on 9-10<sup>th</sup> October, 2010 at 12<sup>th</sup>

National Conference of “Society of Science and Environment” for “Interdisciplinary Approaches in Environmental Sciences” organized by Department of Zoology, Faculty of Science, M. S. University of Baroda, Vadodara, Gujarat.

(5) **Ms.Ashwini A.Pawar** presented a paper in 47<sup>th</sup> Annual Convention of Chemists 2010 & International Conference on Recent Advances in Chemical Sciences held at a school of studies in Chemistry, Pt.Ravishankar Shukla University, Raipur during December 23-27, 2010.

(6) **Ms.Ashwini A.Pawar, Saiprabha Mahale, Neha A.Sawant** participated in the workshop on “ Fluorescence Steady State and Lifetime Analysis ” held on 7<sup>th</sup> December 2010, organized by the National Center for Nanomaterials and Nanotechnology , University of Mumbai, ISS USA and Sinsil International , India.

#### **Awards and Participation in various Intercollegiate Competitions**

##### Academics

Sr. No	Name Of Student	Prize Certificate	Competition/Tournament	Organized by
1	Kum. Rohit Kumar Jha, Ms. Anjum Khan Ms. Divya Nair	Second Prize	Poster Competition	“SANKHYKI” in collaboration with School of Science, NMIMS University
2	Ms. Divya Nair	Second Prize	Elocution competition	“SANKHYKI” in collaboration with School of Science, NMIMS University
3	Kum. Rohit Kumar Jha, Ms. Anjum Khan Ms. Divya Nair	First Prize	Project competition	“SANKHYKI” in collaboration with School of Science, NMIMS University
3	Ms Shweta Zanjad Ms. Sneha Gawade Ms. Seema Bhoir	Second Prize	Project competition	“SANKHYKI” in collaboration with School of Science, NMIMS University
4	Mr. Akshay Kully Mr. Saurabh Chatterjee	First Prize	Science – Quiz	DAV College Bhandup

### **Participation in Intercollegiate Competition**

- Three students from S.Y.B.Sc participated in Intercollegiate Competition Quiz Infinity 27 Aug.2010 at R.J. College Ghatkopar, Mumbai.
- Botany department of G.M.Momin Women's College, Bhiwandi organized "An Intercollegiate Botany Fest Angiomania- 2011" on 8th January, 2011. Seven students of T.Y.B.Sc. (Botany) participated in various competitions such as Salad Carving, Bio-Jewelry, Flower Art, and Botany Quiz.
- Forty two students of TYBSc and SYBSc Mathematics appeared "Madhava Mathematics Competition 2011".

### **Participation in paper presentation competition:**

1. **Ms. Jyoti Dharvin** (T.Y.B.Sc. student) participated in Late Dr. D.V. Amonkar Memorial Competition organized every year by R. Jhunjhunwala College, Ghatkopar, Mumbai, and gave presentation on "**Organic Agriculture**" on 20<sup>th</sup> July 2010.
2. **Ms. Amruta Nayak** (T.Y.B.Sc. student) participated in Late Dr. D.V. Amonkar Memorial Competition organized every year by R. Jhunjhunwala College, Ghatkopar, Mumbai, and gave presentation on "**Biodiversity of the Amazon**" on 20<sup>th</sup> July 2010.
3. **Ms. Smita Patil** (T.Y.B.Sc. student) participated in Late Dr. D.V. Amonkar Memorial Competition organized every year by R. Jhunjhunwala College, Ghatkopar, Mumbai, and gave presentation on "**Certification Aspects of Organic Agriculture**" on 20<sup>th</sup> July 2010.
4. **Ms. Reshma Patil** (T.Y.B.Sc. student) participated in Late Dr. D.V. Amonkar Memorial Competition organized every year by R. Jhunjhunwala College, Ghatkopar, Mumbai, and gave presentation on "**Sacred Groves**" on 20<sup>th</sup> July 2010.

 **Sports**

Name Of Student	Medal/ Certificate/Award	Competition/Tournament	Organized by
Ms. Mrudula Sawant	Gold Medal	JUDO Competition	Zilla parishad
Mr. Omkar Davate	Gold Medal	Chess Tournament	Zilla parishad
Mr. Vaibhav Jadhav	Silver Medal	100 mts. Running	Zilla parishad
Mr. Alock Gupta	Silver Medal	LONG JUMP	Zilla parishad
Mr. Siddheshwar Jagadale	Gold Medal	Sikai Marshal Art.	Zilla parishad

- Two students were selected for Inter-Collegiate Chess tournament for Individual Championship.
- Our Two Students from Degree College participated in Power Lifting tournament & Two Students from Degree college participated in Shooting Tournament organized by University of Mumbai.

About **101** 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.

 **Dramatics committee :**

Our students participated in Marathi Drama competition held by INT. First round was conducted on 28th September 2010. Around **50** students worked as artists and backstage artists. We presented the drama "Lasso" written and directed by Mr. Aniket Sane who is working as assistant director of serial on T.V. Around 40 students participated in drama. Among 48 entries, our college was selected for second round. Second round was conducted on 4th October

2010. Our performance was appreciated by one and all

### Literary

Sr. No	Name Of Student	Medal/ Certificate/ Award	Competition/Tournament	Organized by
1	Ms. Tanvi Gujran	Second Prize	Pen Down your Ideas (English)	Adarsh college of Arts and Commerce, Kulgaon-Badlapur.
2	Mr. Jayesh Kedare	First Prize	Pen Down your Ideas/ Script reading	Adarsh college of Arts and Commerce, Kulgaon-Badlapur.
3	Mr. Kalpesh Rajpurohit	Second Prize	Essay	Bhavan's B. S. A. Memorial
4	Mr. Rupesh Gogawale	first prize	Chitra-Kavya	84 <sup>th</sup> Akhil Bharatiya Marathi Sahitya Sammelan, Thane.
5	Mr. Rupesh Gogawale	consolation prize	Kavya-Vachan	Ratnam College, Bhandup.
6	Mr. Akshay Kully	second prize	AD critics' event	College festival "visions – 2010" organized by SIES College, Sion.
7	Ms.Tanvi Gujran	First prize	Essay Competition	State level Inter collegiate Anti Dowry Movement, Bombay.
8	Ms.Khuluth Kapade	First prize	Pen down your Ideas	Adarsh college of Arts and Commerce, Badlapur
9	Mr. Kedare Pramod	First prize	Script Reading	Adarsh college of Arts and Commerce, Badlapur

Around **110** students (50 boys and 60 girls) participated in various competitions conducted on campus. 16 students represented our college in State level competitions, 12 students participated in intercollegiate competitions and 6 students participated in competitions held for general public

### Science square

Sr.	Name Of Student	Award	Competition	Organized by
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No				
1	Ms. Tanvi Gujran	First Prize	Best out of waste	Adarsh college of Arts and Commerce, Kulgaon-Badlapur.
2	Ms. Tanvi Gujran	First Prize	Salad Decoration	Adarsh college of Arts and Commerce, Kulgaon - Badlapur.
3	Mr. Durgesh Gupta	First Prize	Debate	R.J.College, Ghatkopar (I.T. Dept, Symposium-10)
4	Mr. Durgesh Gupta	Second Prize	Strain your Fingers	R.J.College, Ghatkopar (I.T. Department, Symposium-10)
5	Pankaj Khairnar Narendra Mishra	First Prize	intercollegiate posters and power point presentation	Science Square Committee. B.N.Bandodkar College Of Sc.
6	Nida Shekhani Supriya Lashkare	third prize	intercollegiate posters and power point presentation	Science Square Committee. B.N.Bandodkar College Of Sc.

- Ten students participated in competitions like tricky trip, Biohousie, Biosay, golmal organized by department of biotechnology, R.J. College, Ghatkopar.
- Two students participated in poster competition Luminescence held by Mithibai College, Mumbai
- Five students participated in Bio housie, Cut-N-Paste, Best of Waste Competitions in Galazio organized by department of Biotechnology of Guru Nanak Khalsa College, Mumbai.
- Three students participated in poster making, Bio-Quiz, Story Writing competitions in Bioanalyze organized by department of Bioanalytical Sciences of Ramnarain Ruia College, Mumbai.
- Five students participated in various competitions organized by Birla College, Thakur College, R. J. College

### **N. S. S.**

1. Our N.S.S. Volunteers grab Second Prize in Street Play organized by R. J.

Thakur College, Thane

2. Ms. Shubhangi Raktade attended Leadership Training Program (LTP) at Bharat College, Badlapur from 15<sup>th</sup> September 2010 to 19<sup>th</sup> September 2010
3. Swati Kolte selected at Cultural event of University of Mumbai- Utkarsha.
4. Two students participated at 1<sup>st</sup> Parliament of Indian Student Council Leaders at MIT School of Business, Kothrud, Pune from 12<sup>th</sup> -14<sup>th</sup> January 2011..

### **N.C.C.**

Cadets Ajay More, Satish Shelar and Vishal Patil won the Trophy for Best Group Song at the 3rd Annual Training Camp held at Mumbai from 15-25 October 2010.

Dr. Vijay Bedekar felicitated Ms Reshma Patil along with two NCC Cadets for efficiently anchoring and conducting the cultural programme of VPM institutions on Republic Day 2011 in the College Campus.

The Following Cadets were awarded medals and trophies at our unit level on 26 January 2011. Dr. Vijay Bedekar, Chairman, Vidya Prasarak Mandal, Thane handed over the prizes to the respective winners:

Sr No	Name of Student	Prizes/Medal
1	SUO Anup Tirpude	Durve Memorial Trophy and Gold Medal (Best Cadet)
2	JUO Vishal Gupta	Durve Memorial Trophy and Gold Medal (Best Cadet)
3	JUO Onil Kulkarni	Trophy & Gold Medal for Best Drill and Turnout amongst 2nd Year Cadets.
4	CSM Uday Mhatre	Trophy & Gold Medal for Best Drill and Turnout amongst 2nd Year Cadets.
5	CQMS Ganesh Panda	Coy. Commander's Medal for leadership in ATC.
6	LCPL AkshayJadhav	Trophy installed by ex-NCC cadets and Gold Medal (Best Cdt. 1st yr)
7	LCPL Deepak Rai	Trophy installed by ex-NCC cadets and Gold Medal (Best Cdt. 1st yr)
8	LCPL Sushil Chauhan	Silver Medal for Best Drill and Turnout amongst 1st

		Year Cadets
9	LCPL Gangaprasad Thapa	Silver Medal for Best Drill and Turnout amongst 1st Year Cadets
10	Cdt. Pankaj Thakar	Coy. Commander's Medal for performance in NCC camp
11	Cdt. Satish Shelar	Coy. Commander's Medal for performance in NCC camp
12	Cdt. Vishal Patil	Coy. Commander's Medal for performance in NCC camp
13	Cdt. Ajay More	Coy. Commander's Medal for performance in NCC camp

**Q36** Activities of guidance and counseling unit:

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

We have started Mentor System which functions at students’ 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.

**Q37** Placement services provided to students.

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’.

A campus interview of Wipro BPO was organized on December 10, 2010 for T.Y.B.Sc. ( Physics / Mathematics / Statistics / Computer Science / I.T.) students of academic year 2010-11. 128 students attended the same. 17 students are selected for the post of while 72 students are short listed for in-house training.

A campus interview of Wipro Technologies was organized on February 14, 2011 for T.Y.B.Sc. (Physics / Mathematics / Statistics / Computer Science / I.T.)

students of academic year 2010-11. Eighty four students attended the same. Six students are selected for the post of Data base Administrator. Five students got selected for the training for the same.

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.
  - The lecture by eminent dentist Dr. Vasudha Pai and Dr. Avinash Saligram was arranged on 17<sup>th</sup> Jan 2011. The topic was “Oral hygiene”. Speakers gave the PowerPoint presentation. All non teaching staff attended the lecture and took active part in question answer session.

Q.39 Healthy Practices of the institution

Ans: Following healthy practices are started this year.

1. Career Melava was arranged on 29<sup>th</sup> Nov. to 2<sup>nd</sup> December for Jr. and Degree College wherein around 20 eminent personalities explained the various job opportunities in different fields.
2. New format for the departmental audit is introduced.
3. Earn while learn Scheme:
  - i. Students from I. T department help in online admission process of our college for which they charge Rs 20 per student. The collected amount is utilized for snacks and tea while the remaining is distributed among the students.
  - ii. Two of our M.Sc. (I.T.) Part – I students Mr. Vipul Chavan and Mr.

Kunal Naik are working in I.T. Department as Technical Trainers.

4. Four of our T.Y.B.Sc. (I.T.) Students have developed modules like Student's Feedback form, Peer Evaluation form, Time table automation. This year Students Feedback forms are filled online.
5. A workshop on "chair yoga" was arranged for teaching and nonteaching staff. Mrs Vidya Nahir who is yoga teacher in USA gave the demonstration.
6. A lecture by Dr. Guruprasad Murthy, Director, BRIMS was arranged on "Encyclopedia of Science" on 7<sup>th</sup> July 2010 for all staff members. A concept of "Encyclopedia of Science" is developed by our management.
7. Physics department staff have built all the electronic circuits required for first, second and third year B. Sc. students on white acrylic boards which are student friendly and long lasting. By doing this Department has saved approximately 80 % cost on purchase of electronic kits.

Following healthy practices are continued this year.

- Inaugural lectures to give the information about rules and regulations, facilities available and different activities conducted by the college.
  1. Inaugural lectures for S.Y.B.Sc. and T.Y.B.Sc students were arranged on 7<sup>th</sup> June 2010 and for F.Y.B.Sc. Students on 26<sup>th</sup> June 2010.
  2. Inaugural lecture for S.Y.J.C. students was arranged on 15<sup>th</sup> June 2010 and for F.Y.J.C. students on 31st August 2010.
- 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.

- 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 every month was put up on the notice board. Consolidated defaulters list was prepared at the end of August, and their parents were informed. So improvement in their attendance for second term was observed. Students with very poor attendance were not allowed to appear for final examination.
- Each teacher prepared teaching plan at the beginning of the year and efforts were made to complete the syllabus accordingly.
- Departmental meetings and meetings of Head of the departments and the meetings of various committees were conducted as per the Calendar prepared by the college at the beginning of the academic year, to update the overall performance and to discuss the problems if any.
- Publishing of the annual magazine, which gives students a way to express their creative writing potential.
- As per our yearly practice, Satya-Narayan Pooja was arranged on 27th August 2010 in Gymkhana. Mr & Mrs Parsekar from Gymkhana performed pooja. Many teaching and non-teaching staff members and students were present for Pooja.
- College Gymkhana committee arranged Carom, Table Tennis Tournaments for the non-teaching staff members.
- **Yoga Club**
  - ❖ Yoga committee in collaboration with Shri Ambika yoga kutir, Thane, organizes certificate course in yoga for staff and students of our college and

VPM institutes on the campus.

- ❖ In first term 1<sup>st</sup> batch – 6<sup>th</sup> July to 14 Sept.2010. on every Monday 3.30 to 5.30 PM. 25 students and 1 staff ( Dr. Anita Goswami-Giri) completed the course. Guest for valedictory function- Shri Ramachandra Surveji, secretary , Shri Ambika yoga kutir ,Thane. He emphasized the importance of regularly practicing yoga. His talk was inspiring and motivating.
- ❖ Batches were arranged for all the XI students on every Monday, Wednesday, Thursday and Saturday from 9.00AM to 11.00 AM, during period 6<sup>th</sup> Sept. to 11 Dec. 2010.

Guest On 14<sup>th</sup> Oct. 2010- Shri Ramachandra Surveji, secretary and other volunteers of Shri Ambika yoga kutir ,Thane. Surveji Elaborated importance of yoga to XI students. His talk was followed by excellent demonstrations of different shuddhikriyas and yogasanas given by Shri Chaughuleji , Shri Thapaji from Kutir.

- ❖ In second term a special batch for NCC army (Boys wing) cadets was arranged from 4<sup>th</sup> Dec.2010 to 29<sup>th</sup> Jan.2011 on every Saturday from 3.30 to 5.30 PM. 26 cadets and 3 students of S.Y.B.Sc. completed the certificate course. Guest for valedictory function- Shri Bhaskar Patwardhanji, Editor, Yogaprasad, Shri Ambika yoga kutir ,Thane. Explained importance of morals and need to protect oneself from bad habits and company. Explained that by practicing yoga one can achieve this.

**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 & Share" and sub themes were: Atmosphere: Weather & Climate, Sky and air pollution under the headings:-

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

Projects taken by the students from

- ✓ Bedekar Vidya Mandir: Thane
  - viviidh jaminitiil pratvaari tapasane.
  - Jaminitiil jaayvek va ajaayvek ghatkancha abhyase. Project was selected for National level and **won gold medal**
- ✓ Shreerang Vidyalaya ,Thane
  - Analysis of water from different Inland Water bodies. Project was selected for National level and won **gold Medal**

The guiding teachers were Dr. (Mrs) Vinda Manjaramkar, Zoology Department,.

- 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 & 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, & learn recent trends & development in the concerned subject.
- Staff Academy:

We organize felicitation programme for retiring staff. This year two

teaching staff and **two of our non teaching staff** retired.

To felicitate different teacher achievers and to offer best wishes to departing Vice Principal Mr R.T. Kulkarni, Staff Academy arranged a meeting of all staff on 29th Oct 2010. In this function we felicitated various teachers for their achievements. Mr Prakash Mali from Junior College received as much as 45 different awards for his contributions to culture, arts and society. Dr Moses Kolet received a long service award (12 years) from central government.

The send off function for Mrs U.P. Bal was arranged on 8<sup>th</sup> April 2011.

Non teaching staffs 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., 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 of various activities of women development cell.
5. Jidynasa : functioning to develop awareness among school children.

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. L. I. Sc., M. L.I. Sc. and Diploma in 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 2009-2010 are as follows

(Mumbai University)

CLASS	PASSING %
F.Y. B. Sc	60.64% (76.68%)*
S.Y. B. Sc	87.13% (92.08%)*
T.Y. B. Sc	70.48% (63.77 %–University)
F.Y. B. Sc (I.T.)	88.13%
S.Y. B. Sc (I.T.)	100.00%

T.Y. B. Sc (I.T.)	60.50%
M. Sc part I (I.T.)	41.17%
M. Sc part II (I.T.)	57.14%
M. Sc. part I(Chemistry)	80.00%
M. Sc. part II(Chemistry)	79.36%

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

(Yashwantrao Chavan Maharashtra Open University)

Class	Passing Percentage
B. L.I. Sc.	69.56 %
M. L. I. Sc.	42.10 %
Diploma in Journalism	90.00 %

During the current academic year 2010-2011, our staff members and research students have published research papers in various scientific research journals / presented during conferences.

#### **Research Paper Published:**

##### ➤ **Principal Dr. (Mrs.) M. K. Pejaver**

1. 'Study of Diversity of Insect Fauna from the household Bio-compost', Bionanofrontier, Vol.3(1), pp 67-70, 2010.
2. 'Brain, Mind and Consciousness - an evolutionary approach' proceedings of the International seminar on Mind, Brain and Consciousness' pp 139-141, 2010.
3. 'Role of Butterfly Garden in Ecotourism' Proceedings Seminar

- Ecotourism - An Indian Perspective, 52-55, 2010.
4. 'Train the Brain with NLP' proceedings of National Conference on Broader Perspectives of Language, Thinking and Technology, 27-31, 2010.
  5. 'Nonverbal Communication - An Evolutionary Approach from Zoosemiotics to Antroposemiotics' proceedings of National Conference on Broader Perspectives of Language, Thinking and Technology, 46-51, 2010.
  6. 'Ovipositing By *Acraea Violae* on non - food plants - A mistake or an attempt to acquire new food plant', *Bionanofrontier* Vol 4 (1), 102-105, 2011.
  7. 'Diatom Diversity in Gadhi River and Deharang Reservoir', *Bionanofrontier*, Vol 4 (1), 78-83, 2011.
  8. "Conservation with People's Participation - A Case Study", Proceedings : International Conference on Biodiversity and Its Conservation 2011.
  9. 'Study of floral diversity at Bhavale a barren place in Thane district adopted by an NGO for plantation', Proceedings : International Conference on Biodiversity and Its Conservation 2011.
  10. 'Study of Diversity of compost fauna from different Biocompost samples', Proceedings : International Conference on Biodiversity and Its Conservation 2011.
  11. 'Biocompost - A Niche For Insect Diversity', Proceeding : Lake 2010: Wetlands, Biodiversity and Climate Change.
  12. 'Cost Efficacy of Household Waste Management', Proceeding : Lake 2010: Wetlands, Biodiversity and Climate Change.
  13. 'Effect of Urbanization on Nutrient Loading and Phytoplankton Densities in River Gadhi and Deharang Reservoir, Panvel, Maharashtra',

Proceeding : Lake 2010: Wetlands, Biodiversity and Climate Change.

14. 'Conservation of Mangroves with Respect To Their Potentiality of Organic Carbon Accumulation in Sediments of Thane Creek, Maharashtra, India', Proceeding : Lake 2010: Wetlands, Biodiversity and Climate Change.

➤ **Dr. R. P. Athalye**

1. Two new species of Dicrepidiini from Maharashtra, India with note on structure of hind wing and genitalia fo some previously described species (Coleoptera: Elateridae) Amol Patwardhan and R.P. Athalye. Genus. Vol.21(1): 505-511. 30 -03- 2010.
2. New records and two new species of Cardiophorine Elateridae from Maharashtra, India. ( Insecta: Coleoptera), Amol Patwardhan and R.P. Athalye. Genus. Vol.21(4): 505-511. 27 -12- 2010.

➤ **Dr.M.V.Rathnam,**

1. Chittaranjan S. Thatte, Abhinay C. Pise.: Ion exchange Resin Catalysed Synthesis of Substituted-4-methyl-3-(Substituted Phenoxy) .M.V.Rathnam, Chittaranjan S. Thatte, Abhinay C. Pise Coumarins. *Asian J Chem*, 22(8), **2010** 6092-6098.
2. Simultaneous R.P.HPLC Determination of Camylofin Dihydrochloride and Diclofenac Potassium in Pharmaceutical Preparations. M.V.Rathnam, R.R.Singh. *Pharm Anal Acta* 1(108), **2010**, 1-4.
3. Density, Viscosity, and Speed of Sound of (Methyl Benzoate + Cyclohexanone), (Methyl Benzoate + n-Hexane), (Methyl Benzoate + Heptane), and (Methyl Benzoate + Octane) at Temperatures of (303.15, 308.15 and 313.15) K. M.V.Rathnam, M.Sharad, M.S.S. Kumar.*J. Chem*

*Eng Data*, 55, **2010**, 1354-1358.

4. Physical Properties of Binary Mixtures of Ethyl Formate with Benzene, Isopropyl Benzene, Isobutyl Benzene, and Butyl Benzene at (303.15, 308.15, and 313.15) K. M.V.Rathnam, Kirti Jain, M.S.S. Kumar. *J. Chem. Eng. Data*, 55, **2010**, 1722-1726.
5. Density and Viscosity of Propyl Formate Aromatic Hydrocarbons at T = (303.15, 308.15, and 313.15) K. M.V.Rathnam, Kirti Jain, Sharad Mankumare, M.S.S. Kumar. *J. Chem. Eng. Data*, 55, **2010**, 3929-3933.
6. Densities, Viscosities, and Refractive Indices of Binary Mixtures of Diethyl Oxalate with Some Ketones at (303.15, 308.15, and 313.15) K. M.V.Rathnam, Sudhir Mohite, M.S.S. Kumar. *J. Chem. Eng. Data*, 55, **2010**, 5946-5952.
7. Density and Viscosity of Alkyl Acetates + Aromatic Hydrocarbons at (303.15 and 313.15) K. M.V.Rathnam, Sudhir Mohite, M.S.S. Kumar. *J. Solution Chem* 40, **2011**, 390-402.
8. Density, Viscosities and Speed of Sound of n-butyl acetate with toluene at 303.15, 308.15 and 313.15 K: Comparative Study On Viscosity models. M.V.Rathnam, Reema S. Tajuddin, Priya . J. Sonawane, M.S.S. Kumar. *Indian Journal of Pure and Applied Physics*. Vol. 49, **2011**.
9. Chitosan Immobilized Lipases for the Catalysis Of Transesterification Reactions. M.V.Rathnam, M.S.S. Kumar, Abhinay C. Pise, and L.S. Thatte. *International Journal Of Current Chemistry: Vol. 2, No.1*, **2011**.
10. Simultaneous RP HPLC determination of Camylofin dihydrochloride and nimuslide in Pharmaceutical Preparations. R.R. Singh, M.V. Rathnam.

*Analytical Chemistry Vol. 10, Issue 5, 2011.*

➤ **Dr.A.N.Bedekar, and Dr. M.V.Rathnam.**

Study on optimization of Carboxymethylation of Chitosan obtained from Squilla Chitin. A. N. Bedekar, A. C.Pise, C.S.Thatte, M.V.Rathnam. *Asian J Chem*,22(10), **2010**, 7675-7682.

➤ **Dr(Mrs) K.D. Phal** (Statistics) & **Dr(Mrs) M. Saha** (Botany) EDA Procedure An effective tool in the study of Inoculation Medium for in-vitro seed germination in eleven different varieties of Carica Papaya *Advances in BioResearch* June 2010, Vol 1, Issue1, 65 – 69

➤ **Dr(Ms).Anita S.Goswami –Giri , Ashiwani A.Pawar.** Degradation of Solanum xanthocarpum Leaves Protein.” *Asian Journal of Chemistry* , Vol.23 , No.5(2011), 2198-2200

➤ **Dr(Ms).Anita S. Goswami –Giri , Ms.Neha A.Sawant** “Separation of Polyphenol Oxidase and its Inhibitor from Onion Leaves on Lignin Column” *Asian Journal of Chemistry* , Vol.23 ,No.5(2011), 2212-2214

➤ **Ms.Nilambari Daripkar**

1. Technology development for ethanol production from the wild fruits of Mimosa hexandra *International research journal of biotechnology* Vol 5 (3) August 2010 Pg: 63-67
2. Ethanol production from wild fruits of Ficus Glomerata Bionano *Frontier International Journal of Sc. and Technology* Vol 3 (2) July–Dec 2010 Pg: 167-171

**Research Paper Presented**

**Department of Zoology**

➤ **Prin. Dr. (Mrs) M.K.Pejaver**

1. At Interdisciplinary state level seminar on Eco tourism – An Indian

Perspective organized by M.D. College, Parel on 13<sup>th</sup> February 2010 on  
Role of Butterfly Garden in Eco tourism

2. National Conference on “Broader Perspectives of Language, Thinking and Technology” conducted by VPM's Polytechnic College, Thane on 3<sup>rd</sup> July 2010 on
  - i. Train the Brain with NLP
  - ii. Nonverbal Communication an Evolutionary Approach from Zoo semiotics to Antroposmiotics
3. Effect of Pollution on Rotifer Diversity in River Gandhi and Deharang Reservoir National Conference on “Broader Perspectives National Seminar in Zoology, (15-16 Feb 2010), Mahatma Phule ASC College, Panvel.
4. 'Segregation and Disposal of Domestic Waste and its impact on Public Health' in National Seminar on 'Urban Waste Disposal and its impact on Environment and Public Health Quest for solution' held in Sibsagar, Assam on September 23 to 25, 2010.
5. "Molluscan diversity of Thane Creek near Bhandup, thane, Maharashtra" in 12th National Conference of Society of Science & Environment on "Interdisciplinary Approaches in Environment Science" conducted at Department of Zoology, The M.S. University of Baroda on 9th and 10th October 2010.
6. "Cost Efficacy of Household Waste Management" at International symposium Lake 2010 : symposium on Wetlands, Biodiversity and climate change, at Indian Institute of Science, Bangalore, on 22-24 December 2010.
7. "Conservation of Mangroves with respect to their potentiality of organic carbon accumulation in sediments of Thane Creek, Maharashtra, India, at International symposium Lake 2010 : symposium on Wetlands, Biodiversity and climater change, at Indian Institute of Science, Bangalore,

on 22-24 December 2010.

8. Effect of urbanization on Nutrient Loading and Phytoplankton Densities in River Gadhi and Dehrang Reservoir, Panvel, Maharashtra International symposium Lake 2010 : symposium on Wetlands, Biodiversity and climate change, at Indian Institute of Science, Bangalore, on 22-24 December 2010.
9. “Study of Diversity of Compost Fauna from different Bio-compost Samples” in the International Conference on Biodiversity and its Conservation' conducted by Modern College of Arts, Science and Commerce, Pune, Maharashtra, on 28<sup>th</sup> - 30<sup>th</sup> January 2011.
10. Study of Diversity of Compost Fauna from different Bio-compost Samples” in the International Conference on Biodiversity and its Conservation' conducted by Modern College of Arts, Science and Commerce, Pune, Maharashtra, on 28<sup>th</sup> - 30<sup>th</sup> January 2011.
11. “Occurrence of Rotifers and its relation to the Water Quality during the bioremediation process in Lake Kacharali, Thane, Maharashtra” National Conference on Environment Management & Challenges for sustainable Development, conducted by M.D. College, Parel on 2<sup>nd</sup> & 3<sup>rd</sup> February 2011

➤ **Dr. (Mrs.) N.N. Patil and Mr. Sudesh D Rathod**

1. Food and feeding habit of *Mystus gulio* (ham.) from Ulhas river estuary and Thane creek at The 12<sup>th</sup> National conference on Interdisciplinary Approches in Environmental Sciences, Organized by Society of Science and Environment at Dept of Zoology, M. S. Univeristy, Baroda on 9<sup>th</sup> and 10<sup>th</sup> October 2010

➤ **Dr. R. P. Athalye**

1. “Need to collaborate with NGOs teaching yoga.” in the National level

conference on role of NGOs and Youth in social transformation – Organizes by Principal, MET Smt. J.R.salvi college of Arts, Commerce and science. Kalwa, Thane (W). 27 March 2010.

2. “ Ecological studies on Thane Creek and Ulhas River Estuary” in the National Conference on “Impact of urbanization on lake ecosystem (Causes, consequences and remedial measures)” organized by Vikas night college of Arts,Sc. and com. on 12<sup>th</sup> Dec 2010

➤ **Dr.(Mrs) Vinda Manjramkar**

1. “Neural networks in animals how can it be harnessed artificially and intelligently” in the National conference on Intelligent System organized by IT Department. B.N.Bandodkar college, Thane on 26<sup>th</sup> -27<sup>th</sup> Nov 2010.
2. “Ultra structural revelations on the inter interhemal membrane of the megachiroteran, pteropodidae bat, Cynopterus sphinx gangeticus, during different stages of embryonic development” in International Symposium Of S.R.B.C. Mysore university Karnataka on **10<sup>th</sup> -12<sup>th</sup> Feb 2011**
3. Effect of anticancer drug etoposide (V P-16) on male reproductive organ of white rat in International Symposium Of S.R.B.C. Mysore university Karnataka on **10<sup>th</sup> -12<sup>th</sup> Feb 2011**

➤ **Dr.(Mrs)P.N.Kurve**

1. At M.D.College, on 13<sup>th</sup> February 2010 in the conference on Tourism to ecotourism: “A path towards consumption & community development, case study of Nagaon, Alibaug
2. “A report on the macrofaunal diversity from intertidal zone along the coast of Akshi, Raigad, Maharashtra”at the National conference on Interdisciplinary Approches in Environmental Sciences, Organized by Society of Science and

Environment at Dept of Zoology, M. S. University, Baroda on 9<sup>th</sup> and 10<sup>th</sup> October 2010. .

3. "Impact of human activity on Biodiversity of three coasts from Raigad District, Maharashtra".at Fourth International Conference on Plants and Environmental Pollution at Lucknow organized by International Society of Environmental Botanists and National Botanical Research Institute from 8<sup>th</sup> to 11<sup>th</sup> December 2010"
4. "Spatio ecological approach to environmental management of three neretic ecosystems along Maharashtra coast, India"at UGC sponsored National conference on Environment management and challenges for Sustainable development organized by M. D. College, Parel on 2<sup>nd</sup> and 3<sup>rd</sup> February 2011.
5. "Study of Molluscan diversity of Kihim Beach-A popular tourist spot in Raigad district: A note on preliminary observations", at International conference on Sustainable Environment organized by Econeeds foundation, Aurangabad on 19-20 February 2011.

### **Department of Botany**

➤ **Dr.(Ms.)M.S.Mulgaonkar Ms. Shraddha V. Raut and Ms. Sanghamitra R. Matil**

I) At Conference at Dr. Babasaheb Ambedkar Marathwada University, Aurangabad on 2<sup>nd</sup> Sept. to 4<sup>th</sup> Sept., 2010

1) Pollen study under SEM of four species of genus Habenaria Willd. from the Western Ghats of Maharashtra(Oral Presentation)

2) Pollen study of Spathoglottis plicata Bl. Under SEM(Poster Presentation)

II) at International Symposium on The New Horizons of Botany Department of Botany, Shivaji University, Kolhapur 10<sup>th</sup> -12<sup>th</sup> November, 2010 :

Challenge for Orchids in the Natural Ecosystem (Oral Presentation)

III) Annual conference of Indian Association for Angiosperm Taxonomy and International Symposium on “Taxonomy, Plant diversity and Conservation” Organized by Department of Botany, Bharathiar University, Coimbatore, Tamil Nadu On 26<sup>th</sup>-28<sup>th</sup> November, 2010 : Survey of some medicinally important epiphytic orchids from Yeur in Thane (Oral Presentation)

➤ **Dr.Moses Kolet**

National Level Conference on ‘Role of NGO’s and Youth in Social Transformation’, organized by Manisha Education Trust’s Smt. Janakibai Rama Salvi College in association with Jahnvis Multi Foundation and Brahmakumaris Movement on 27 Mar 2010 at Satkar Residency, Thane and presented a paper.

➤ **Snehal B.Sonparate Dr.Moses Kolet**

Two Days State Level Seminar on Applied Aspects of Plant Sciences’ C.K.Thakur Arts, Commerce and Science College, New Panvel ( 25 and 26 Sept. 2010) Endophytic Fungal Assemblage of Lemon Grass(*Cymbopogon citratus* (DC.) Stapf.) from Mumbai and Thane Regions.( Oral Presentation).

➤ **Dr.M.V. Rathnam presented paper**

1. at International Conference on Green Technologies for Green Environment held at Dr. Charan Singh University MEERUT (U.P) India on 27<sup>th</sup> – 30<sup>th</sup> 2011.
2. at International Conference on Biodiversity and Environmental Crisis, Past Present and Future held at Dr.P.R Ghogrey Science College, Dhule (MS) India on 11<sup>th</sup>- 13<sup>th</sup> Feb 2011.

➤ **Dr.( Mrs.) Anita S.Goswami –Giri** presented a paper in 47<sup>th</sup> Annual Convention of Chemists 2010 &International Conference on Recent

Advances in Chemical Sciences held at a school of studies in Chemistry,  
Pt.Ravishankar Shukla University,Raipur during December 23-27 ,2010 .

Our teachers participated in various seminars / workshops/ conferences

**Department of Zoology**

➤ **Prin .Dr(Mrs) M.K.Pejaver attended**

1. **National Seminar** on “Present Scenario of Aquatic Biodiversity with respect to Pollution in India and chaired a session conducted by Mahatma Phule Arts, Science & Commerce College, Panvel on 15<sup>th</sup> & 16<sup>th</sup> February 2010.
2. Khagolshastra **Samelan** conducted by Marathi Vidnyan Parishad, Thane on 12<sup>th</sup> & 13<sup>th</sup> December 2009.
3. **Seminar** on “Eco tourism – An Indian Perspective” conducted by M.D. College of Arts, Science & Commerce College Panvel on 13<sup>th</sup> February 2010.
4. one day **workshop** on “Yoga for total Health” conducted by B.N.Bandodkar College of Science in collaboration with Shri. Ambika Yoga Kutir, Thane on 19<sup>th</sup> February 2010.
5. **Preparatory workshop** on the theme “Broader Perspective of Language, Thinking and Technology” Conducted by V.P.M's Polytechnic on 6<sup>th</sup> March 2010.
6. One day National Conference on “Broader Perspectives of Language, Thinking and Technology”, organized by V.P.M.'s Polytechnic. on 3<sup>rd</sup> July 2010.
7. National conference on Intelligent System organized by IT Department,on 26<sup>th</sup> & 27<sup>th</sup> November 2010 at B.N.Bandodkar college, Thane
8. One day National Seminar on “Third Cycle of Accreditation” on 12<sup>th</sup> Feb.2011, organized by IQAC, Birla College , Kalyan

➤ **Dr.(Mrs)N.N.Patil attended**

1. One day **National Conference** on “Broader Perspectives of Language,

Thinking and Technology”, organized by V.P.M.’s Polytechnic . on 3<sup>rd</sup> July 2010.

2. National conference on Intelligent System organized by IT Department, on 26<sup>th</sup> & 27<sup>th</sup> November 2010 at B.N.Bandodkar college, Thane
3. One day National Seminar on “Third Cycle of Accreditation” on 12<sup>th</sup> Feb. 2011, organized by IQAC, Birla College , Kalyan

➤ **Dr. R. P. Athalye attended**

1. UGC sponsored National Seminar on Present scenario of Aquatic Biodiversity with respect to Pollution in India. 15 and 16 Feb. 2010. organized by Mahatma Phule Arts, Science and Commerce College, Panvel.
3. One day workshop on “Yoga for Total Health”. organized by Yoga Committee, B.N. Bandodkar College of Science in collaboration with Shri Ambica Yog Kutir , Thane on 19 Feb. 2010. Also worked as Coordinator.
4. One day conference on “Wetlands- Key to Preservation of Environment” on world wetland day 2 Feb. 2010. Organized by Paryavaran Dakshata Munch, NGO at Thane. Participated and worked as Jury for the paper presentations.
5. One day conference on Broder perspectives of Language, Thinking and Technology- org. by VPM’s Polytechnic, Thane (w). 3 July 2010.
6. National conference on Intelligent System organized by IT Department, on 26<sup>th</sup> & 27<sup>th</sup> November 2010 at B.N.Bandodkar college, Thane.
7. National level seminar on Best practices in higher education at R. J. College. Ghatkopar on 15<sup>th</sup> & 16<sup>th</sup> Dec 2010.

➤ **Dr.(Mrs) V.D.Manjramkar attended**

1. National Seminar-Language thinking and Technology, V.P.M. Polytechnique 3<sup>rd</sup> July 2010.

➤ **Dr. K. M. Pariya attended**

1. A seminar on Emerging trends in Biotechnology and Bioinformatics at

D.Y.Patil College, Navi Mumbai, on 4<sup>th</sup> – 5<sup>th</sup> March 2010.

2. 1<sup>st</sup> IFIP Conferences on Bioinformatics at SVP college of Engineering, Surat on 24<sup>th</sup> March 2010 – 228<sup>th</sup> March 2010

Department of Botany

➤ **Dr (Mrs.) M.S. Mulgaonkar** attended

1. Two day UGC Sponsored National Conference on “Recent trends in Plant Sciences for Rural Development” organized by department of Botany, Nagnath Arts, Commerce and Science College, Aundha Nagnath and chaired a session & delivered a **lead lecture** on “**A Glimpse to the world of orchids**” on 20<sup>th</sup>- 21<sup>st</sup> Feb., 2010.
2. First and second preparatory Workshops for National Level Seminar on ‘Intelligent Systems’ organized by B N Bandodkar College of Science, Thane on 24<sup>th</sup> July 2010 and on 25<sup>th</sup> Sept 2010.

● **Dr. Moses Kolet** attended

1. Workshop on ‘Yoga for Total Health’ organized by Yoga Club, B.N.Bandodkar College of Science, Thane, in association with Shri Ambika Yoga Kutir, Thane on 19 Feb 2010.
2. First and second preparatory Workshops for National Level Seminar on ‘Intelligent Systems’ organized by B N Bandodkar College of Science, Thane on 24<sup>th</sup> July 2010 and on

● **Dr (Mrs.) M. Saha** attended

1. National Conference on “Recent Advances in Plant Sciences” on 15-17<sup>th</sup> February, 2010 at Department of Botany, Padmashri Vikhe Patil College, Pravranagar, Ahmadnagar.
2. one day workshop on Yoga for Total Health organized by B. N. Bandodkar

College, Thane and Shree Ambika Yoga Kutir, Thane on 19<sup>th</sup> February, 2010.

3. National Symposium on “Medicinal Plants: A Promising Resource of the Country” on 9-10<sup>th</sup> June, 2010, at Department of Bioscience, Veer Narmad South Gujarat University, Surat.

- **Dr. V. M. Jamdhade** attended

1. National Conference on : Advancements in Nano-Science for Different technologies : held at Shrikrishna Mahavidyalaya Gunjoti, Dist. Osmanabad on : 10-11 February, 2010
2. National Conference on : Recent Trends in Plant Sciences for Rural Development : held at Nagnath College, Aundhanagnath, Dist. Hingoli on 20-21 February, 2010
3. International Conference on : Lasers and Advanced Materials : held at Abasaheb Garware College, Pune on March 6-8, 2010 and presented a paper.
4. National Conference on Scientific Terminology sponsored by Ministry of Human Resources Govt.of India :held at Anandrao Dhonde College, Kada Dist.Beed on : 01.10.2010 to 02.10.2010.
5. National Conference ‘Applied Aspects of Life Sciences for the Welfare of Mankind’: (U.G.C. Sponsored ) held at Deogiri College, Aurangabad on : 15-16 January, 2011.
6. National Conference on Role of Non- Agricultural Institution in the Improvement of Agricultural Technology held at Shrikrishna Mahavidyalaya, Gunjoti, Dist. Osmanabad on 22-23 January, 2011.
7. National Conference on Environment Management and Challenges for Sustainable Development: U.G.C. Sponsored held at M.D.College, Parel Mumbai on: 2-3 February, 2011.

8. National Conference on Environment and Climate: held at Matushri Virbaima Mahila Science and Home Science College, Rajkot on: 13 February 2011.
9. International Conference Sustainable Environment (ECO REVOLUTION-2011) held at Hotel Vits Hotel, Aurangabad on: 19-20 February, 2011
- **Prof Ms. Shraddha V. Raut** attended
  1. Two- day UGC Sponsored National Conference on Plant Biodiversity on 23<sup>rd</sup> and 24<sup>th</sup> April, 2010 at Rayat Shikshan Sanstha's Yashavantrao Chavan Institute of Science, Satara and presented a paper.
  2. XI International Conference of IOPB (International Organization of Plant Biosystematics) organized by Department of Botany, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad on 2<sup>nd</sup> Sept. to 4<sup>th</sup> Sept. 2010 and presented a paper
  3. .

#### **Department of Chemistry**

- **Prof .V.S.Burkule** attended
  1. First( 24.07.10) and second preparatory workshop(25.09.10) for National conference 'Intelligent System '.
  2. National conference 'Intelligent System 'Nov 26-27 ,2010.
- **Prof P.G.Bamane** attended
  1. National conference 'Intelligent System 'Nov 26-27 ,2010.
- **Dr.(Mrs.)Anita S.Goswami –Giri** attended
  1. The workshop on “Fluorescence Steady State and Lifetime Analysis ” held on 7<sup>th</sup> December 2010,organized by the National Center for Nano-materials and Nanotechnology , University of Mumbai, ISS USA and

Sinsil International ,India

**Department of Statistics**

- **Prof. A. P. Patil** attended

1. Two days two days UGC sponsored state level conference in STATISTICS AND DECISION MAKING conducted by SIES College, Mumbai, on March 5<sup>th</sup> -6<sup>th</sup> , 2010.

- **Prof.( Mrs) M. J. Gholba** attended

1. One day National conference on Broader Perspectives of Language, Thinking and Technology conducted V. P. M.'s Polytechnic, Thane, on 3<sup>rd</sup> July 2010.
2. Two days National conference on 'Intelligent System conducted by our college on 26<sup>th</sup> and 27<sup>th</sup> 'Nov, 2010.
3. One day National on "Third Cycle of Accreditation" on 12<sup>th</sup> Feb.2011, organized by IQAC, Birla College, Kalyan.
4. Three days international conference on "Quality Assurance in Higher Education: Expectations and achievements" from 2-4<sup>th</sup> March organized by apqn and NAAC at Bangalore.

- **Prof.( Mrs) M. J. Gholba** and **Prof( Mrs) S. M. Phatak** attended one day workshop on Career Advancement Scheme conducted R. J. College, Mumbai, on 4<sup>th</sup> Sept. 2010.

**Department of Foundation Course**

**Prof S. K. Bhosale** attended

1. National Level Conference on Role of NGO's & Youth in Social Transformation on 27<sup>th</sup> March 2010 at Thane, conducted by Rajaram Salvi College, Thane.
2. Two day "NATIONAL SEMINAR on Communication Skills: Challenges &

New Horizons’’ sponsored by UGC organized by The Changu Kana Thakur Arts, Commerce & Science College, New Panvel.

**Department of Information Technology & Computer Sc.**

- All Staff members of the department participated in both workshops and seminar conducted on “ Intelligent Systems.”
- Prof(Ms.) Shraddha Madhavi and Prof(Mrs.) Nishtha Harne attended UGC Sponsored NET/SLET Workshop held at Vaze Kelkar College, Mulund on 27-29 January 2011.
- **Prof** (Ms.) Tehasin Khan, **Prof** (Ms.) Shraddha Madhavi, **Prof** (Mrs.) Nishtha Harne and **Prof** (Mrs.) Jayshree Khairnar attended Robotics Workshop organized by the I.T. Department of Bandodkar College, Thane on December 13-14, 2010.

**Department of Library Science**

- Ms Kadambari Manjrekar attended a Meeting of Center Co-ordinator of Library and Information Science, on 23<sup>rd</sup> February 2010 at Yashwantrao Chavan Maharashtra Open University, Nashik .
- Attended a Meeting of Center Co-ordinator of Diploma in Journalism, on 24<sup>th</sup> February 2010 Yashwantrao Chavan Maharashtra Open University, Nashik .
- Participated in Two Day Workshop on Conservation and Preservation of Archival Material and Manuscripts at Professor D.N.Marshall Hall, Jawaharlal Nehru Library, University of Mumbai on 24<sup>th</sup> & 25<sup>th</sup> August 2010 jointly conducted by Mumbai University Library , Department of Library and Information Science and Department of Sanskrit.
- Participated in Workshop on Web Technology in Library Services : Focus on Library Blog, RSS feeds and Podcasting on 24<sup>th</sup> & 25<sup>th</sup> January 2011 organised by National Insurance Academy, Pune.

### **Departmental clubs**

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

#### **Club Activities**

##### **Zoology Club**

- Students and staff participated in the Tree Plantation programme arranged by Hariyali on 27th June 2010. Students were given seeds of various trees like Tamarind, Dates, Gulmohar, Banyan, Ashoka, Almond and many more.
- A Lecture on "Solid Waste Management" by Dr Sanjay Joshi, Biology Teacher from our own college was held on 18th Aug. 2010 in Patanjali Sabhagruha Dr Joshi has been associated with the organization- 'Envirovigil'. He gave us guidance on the topic- Solid-waste management and the proper way of disposing waste. He told about creating awareness among the masses about waste disposal and waste management.
- PANDA FESTIVAL- KURLA.(9th and 10th December 2010.) Nature club members (students of S.Y.B.Sc) participated in the Panda festival organized by World Wildlife Fund for nature club at Mumbai-Kurla. Six students participated in Rangoli competition and 4 students were selected as volunteers for different events. Nature club co-coordinator- Dr.Mrs.P.N.Kurve participated in Wildlife Photography Exhibition by exhibiting wildlife pictures photographed by her.
- A talk by- Mr. Vaibhav Desai (16th December 2010) ( B.E. Computer, a programmer analyst in Godrej) is working for environmental awareness. He is traveling on bicycle all over the world and has already traveled all over the country on bicycle twice. It was an interactive session for the students.34

students and 11 staff members attended the session.

### **Botany club (Srishti)**

- Mrs. Vandana Sathe, Head of the Department of Botany, Kirti M Doongursee College, Mumbai was invited as the chief guest for the inauguration of the Botany Club on 18<sup>th</sup> August 2010.

### **Statistics Club (Sankhya)**

- Presentation by T.Y. B.Sc.( Stat.) students on well known statistician P. C. Mahalanobis and Indian Statistical Institute, Kolkata, was organized on Wednesday, 28<sup>th</sup> July 2010.
- Lecture by Prof. A. P. Patil was organized on “Careers in Statistics” on 25<sup>th</sup> Aug. 2010.
- A lecture followed by workshop on “Personality Development” was organized on 6<sup>th</sup> Jan 2011. A well known career advisor/Counselor Dr Santosh Kamekar guided the students.

### **Physics Club:**

Lecture by Shri. Satish Diwanji, Retired Colonel Chief Manager Bandra-Varli Sealink was organized on 26<sup>th</sup> Aug. 2010.

### **Sahitya Sahawas**

Sahitya Sahawas arranged a programme on poet late. Shri. Narayanji Surve. The programme was held on 7th December 2010. An award-winning documentary on the poet "Narayan Gangaram Surve", was shown. In this documentary the thoughts of the poet on socialism & humanity were projected. The teachers & non-teaching staff recited poems of Narayan Surve reflecting philosophical thoughts of the poet.

### **I. T. club**

1. Arranged a lecture on “Intelligent Systems” named “Brain, Mind and

Consciousness” by Prin. Dr.(Mrs) M.K.Pejaver on 16<sup>th</sup> August 2010 at 10 a.m.

2. Arranged a lecture on Neuro Linguistic Program(NLP) by Prin. Dr.(Mrs).M.K.Pejaver on 18<sup>th</sup> September 2010 at 10 a.m.

### **Library Club “ Friends of Library”**

1. Poster exhibition was arranged on Swatantryaveer Vinayak Damodar Savarkar on completion of 100 years of his Jump in Marcilis Sea from 1<sup>st</sup> August to 15<sup>th</sup> September.
2. Poster exhibition on In Vitro Fertilization was arranged in library from 16<sup>th</sup> Feb to 23<sup>rd</sup> February 2011.

### **Various Committees**

### **Cultural Association**

1. The Inaugural function of the activities of Cultural Association for the academic year 2010-2011 was organized on 27<sup>th</sup> July 2010. Ms. Sampada Jogalekar – Kulkarni a well known Marathi Actress was the chief guest for the function. A special programme on Marathi Poetry “Hasya Tushar” was organized by the students. In this programme, students as well as teaching and non teaching staff presented their poems. Ms. Sampada Jogalekar – Kulkarni provided a valuable guidance to the prospective poets of our college through her speech. About 250 students attended this programme.
2. Cultural Association organized a Light Vocal Singing competition for college students on 27<sup>th</sup> September 2010.
3. In the month of December 2010 preparations for Annual Social “Aakanksha” began. This year students selected “Desi Adda” as main theme for Aakanksha, which was conducted on 21<sup>st</sup> -22<sup>nd</sup> December 2010.

- a) The first event was “laoKk tumacyaa BaoTilaa” in which a highly motivating and inspiring speech was given by a well known Marathi Kaviyatri Ms. Asawari Kakade through 84<sup>th</sup> AiKla Baaritya marazI saaih%ya saMmaolana,, zaNao.
- b) As part of Aakanksha various indoor events such as Rangoli, Bride and Bride Groom Make up, Mehendi, Hair Styling, Flower Arrangement, Salad Making, Poster Paintnig, Cartoon Drawing, Photography, Love letter writing etc. were organized
- c) To avoid noise pollution, in place of DJ dancing new events were introduced such as 'dog and the bone', 'Push ups', treasure hunt and lagori.
- d) Various competitions like personality contest, Mono Acting, Mimicry, solo dance, light vocal, singing and instrumental, Group dance were enjoyed by all students. The function was concluded with “Fashion Show.”

### **Science Square activities**

Teachers of "College school complex" guided various schools from Thane city to complete the projects for Children Science Congress. Following projects cleared District Level Competition and selected for State level.

Sr No	School	Title of Project
1	Bedekar Vidyalaya	Vividh Jaminitiil Pratvaari Tapasani
2	Bedekar Vidyalaya	Jaminitiil Jaivik va Ajaivik Ghatkancha Abhyas.
3	Shrirang Vidyalay	Comparative study of different aquatic land system

Under Science Square Activity INTRACOLLIGIATE COMPETITION - ZOOZONE was conducted on 20th Aug 2010. Competition was in the form of Power Point Presentation and Poster Presentation

Topics for PPT and Posters were:1). Malaria 2). Tuberculosis 3) My way of using Internet d. Cell Phone (useful& harmful) 50 Students participated in PPT

and poster presentation. Totally 20 PPT were presented and 9 Posters were displayed. 74 students and 8 staff members attended the programme..Dr. Manisha Kayande Asso.Prof.in Zoology M.D. College Parel, Dr. Shantaj Deshbratar H.O.D., Zoology Dept, Hazarimal Somani College, Mumbai judged the competition.

### **Trekking / Hiking Committee**

Hiking committee of our college arranged monsoon trek to 'Kandivade caves' on 11<sup>th</sup> July 2010. Students from degree and junior college enjoyed the hike in heavy rains.

### **Women Development Cell**

1. As part of the Women Development Cell, a lecture was organized where in Dr. Beena Joshi was invited as the chief guest. She is a clinician and works in the area of public health specifically on reproductive and sexual health. She is currently working as a researcher in the capacity of Scientist -C at the Department of Operations Research, National Institute for Research in Reproductive Health (NIRRH) based in Mumbai India, which is one of the premier institutes of Indian Council of Medical Research. Her areas of interest are Adolescent Reproductive Health and RTI/STI including HIV. There was a huge participation from students; around 95 students including both boys and girls were present in large numbers. Dr. Beena Joshi started her speech by telling about NIRRH which was started in 1954. She gave a very informative presentation on "male involvement in women's health". Dr. Beena Joshi presented various study results which emphasized more on the men to women ratio, literacy rate, gender and sex, morbidity, mortality, adolescent and youth, deprivation, nutritional status, HIV, gender equality, human rights, etc.

The reports showed women, not only from the lower strata of the society but also from the middle class to be on a medically dangerous zone as there are many cases of malnutrition, anemia, female foeticides, early marriages, etc. Dr. Beena Joshi also said that the youngsters are the future for equality among women & men. She explained how men play an imperative role in developing a women's life. She gave more emphasis on women's health.

2. A lecture followed by workshop on "Self-defense techniques" was organized on 16th October 2010, where in Ms. Jignyasa was invited as the chief guest to create awareness about the importance of self-defense. Appropriate self-defense techniques teach us how to size up a situation and help us to decide what we can do. In general, people think of self-defense as a karate kick to the groin or jab in the eyes of an attacker. But self-defense actually means doing everything possible to avoid fighting someone who threatens or attacks you.

Ms. Jignyasa gave a brief introduction about TARA (TATA RALLIS), the company she works for. Further she introduced everyone to the term "Self defense". According to her self defense means protecting oneself from physical, emotional or mental problems. She also stressed on the 3 basic steps of self defense, which are

- Being aware, being confident and being calm & cool person.
- Using verbal skills and other techniques.
- Using physical techniques

Her advice to everyone to avoid a potential attack before it happens was to trust one's instincts.

The second session workshop of the function was organized in the Yoga area near Patanjali Sabhagruh where Jignyasa madam demonstrated the

7 basic techniques of Self Defense. Thereafter students performed all the different techniques under her guidance. By the time session came to an end she also taught special techniques for breaking an attacker's grasp and various other things that one can do to break free.

### **Magazine Committee**

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

On 11<sup>th</sup> January 2011, the magazine “Sanyuja” was published, with reports of various committees, many articles, and poems in Marathi, Hindi and English. Dr. G.V. Kulkarni (Director of Advanced study centre and Ex-Principal our college) was chief guest.

### **Gymkhana Committee**

Indoor game carom, chess, table tennis and Badminton tournaments were arranged in the month of December 2010.

College annual sports Athletic Meet was conducted on 20<sup>th</sup> December 2010 at college ground, Junior & Degree college Boys & girls participated in the Running, Discuss throw, Shot-put, and long-Jump events.

### **Calendar Committee**

Calendar committee had prepared calendar for the year 2010-11 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 2010 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 2010-11.
- End of 1<sup>st</sup> and 2<sup>nd</sup> terms.

- Dates of 1<sup>st</sup> term examination of F.Y. B.Sc., S.Y.B.Sc., F. Y. Jc. & S. Y. Jc.
- Dates of 2<sup>nd</sup> term examination of F. Y. B. Sc.,S.Y.B.Sc. & F. Y. Jc. S.Y.Jc.
- Dates of Preliminary Examination of T.Y.B.Sc.
- Dates of A.T.K.T. & Additional Examinations.
- Dates of Annual Results of F. Y. B.Sc.,S .Y.B.Sc. & F.Y.Jc.
- Dates for admission of S. Y. B.Sc. & T.Y.B.Sc. & S.Y.Jc
- Dates for Conferences, Workshops and seminars.

**Extracurricular events-**

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

**Committee meetings-**

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

(The copy of the calendar is attached herewith)

**Excursions:**

List of excursions arranged during year 2010-2011.

- **Department of Zoology** conducted **one** long and **two** short excursions.

1. Visit to Satpura & Kanha forests:-

Excursion was arranged between 18<sup>th</sup>-23<sup>rd</sup> Nov. 2010 by zoology department to the National park of Kanha & Satpura via Jabalpur in the state of Madhya Pradesh. The students of zoology were accompanied by Our Principal Dr. (Mrs.) M.K.Pejaver, Dr. R.P.Athalye, Dr.(Mrs.) P.N.Kurve and Mr. Jagtap accompanied us. We visited the National parks in the early hours so as to spot

more animals and Birds.

Some of the spotted animals included The Spotted deer's, Sambhar's, Jackal's, Wild dogs, Hanuman Langur and the leopard. While some of the birds were the peacock, Indian babbler, Green pigeon, Pied Kingfisher & open Billed stork.

## 2. Fishery Excursion : Visit to Fishery exhibition at Bandra-Kurla Complex, Mumbai.

A visit was arranged to a fishery exhibition held at Bandra-Kurla Complex, Mumbai On 27<sup>th</sup> Dec. 2010 which was organized by the Government of Maharashtra and Board of Fishery. The students of zoology were accompanied by Dr. (Mrs.) P.N.Kurve Various Fish Products, equipments, culture we exhibited. We attended seminars of fish culture, Crab culture, pearl culture etc. We also saw various fishing equipments and specially designed nets such as the by catch reduction device and the Squid Jig machine. There were various stalls regarding fish products and commodities we visited almost each and every stall.

## 3. Visit to Fishery excursion at "The Aarey Fish farm", Mumbai.

Excursion to the Aarey fish farm was held by the T.Y.Bsc. Students of Zoology on 10<sup>th</sup> of January 2011. We were accompanied by our Dr. (Mrs.) P.N.Kurve to the farm at Goregaon. The administrator of the Aqua Farm Mr. Patil gave us a detailed information on Induced breeding in Carp fishes and what are the factors required for the breeding to occur & the various Post Breeding steps which had to be performed we had a very interactive seminar they even showed us how they selected a fish for breeding. We observed the Various equipments such as the Overhead tank, spawning pool & the incubation pool etc.

➤ **Department of Botany** conducted **one** long and **two** short excursions

1. **Long Tour:** T.Y.B.Sc. students were taken for Botanical Excursion to Tamil Nadu from 29<sup>th</sup> Jan – 6<sup>th</sup> Feb 2010. Ten students participated in this study. The tour programme included Gandhigram, Kodaikanal, Madurai, Mandapam, Rameshwaram and Kanyakumari. The students got a chance to visit places of Botanical interest and Research Institutes/ Industries along with places of national heritage during this tour, such as The Gandhigram Rural University, Facility for Remote Sensing, Ayurveda and Siddha Medicine Factory, Gandhigram, Botanical Garden, Kodaikanal, Spirulina manufacturing unit, Madurai Kamraj University, Madurai, National Centre for Research in Bioinformatics and Genetic Engineering, Madurai, Central Fisheries Institute, Mandapam, Pristine ecosystems at Rameshwaram and Dhanushkodi, Ancestral house of Dr. A.P.J. Abdul Kalam, Swami Vivekananda Rock Memorial etc.
2. One day excursion was arranged on 4<sup>th</sup> August 2010 for S.Y. B. Sc. and T. Y. B. Sc. Students. The tour covered Kamala Nehru park, Ferozeshah Mehta Garden, Maharashtra Nature Park and National Centre for Nanoscience and Nanotechnology (Biophysics Department of Mumbai University).
3. One day excursion was arranged on 16 December 2010 for F.Y. B. Sc. students near Pune. The tour covered Agro- India Expo Exhibition, an All India Level Exhibition of agriculture related aspects.

**Industrial Visits:**

➤ **Department of Information Technology.**

A visit to I.T. organizations in Hyderabad was organized for I.T and Computer Science students together from February 03, 2011 to February 07, 2011. 47 students of T.Y.B.Sc. I.T. and Computer Science together along with 3 teaching staff

members visited

1. Gamesloft organization that is in development of Games for mobiles and Computers
2. TCS

They discussed the opportunities and details of the S/W development with the developers in the organization.

On the Second day of the visit, team visited Salarjung Museum, Snow City, Charminar while on the last day of the tour; the team visited Ramoji Film City and learned how the shooting, editing and other films related jobs are done.

➤ **Department of Biotechnology**

Industrial visit was arranged for students of T.Y.BSc Microbiology & Biotechnology from 24/11/2010 to 29/11/2010 to Bangalore – Mysore. Twenty nine students, two non teaching staff and two teachers participated in this trip

Following industries were visited:

**1. Sami Labs Limited – Biotechnology Center, Bangalore.** They visited to the production plant. They saw extraction of ‘gingerol’ the pungent component in ginger using supercritical CO<sub>2</sub> extraction process. Demonstration of automation process of various parameters like temperature, pressure, pH, flow rate was given.

They also visited the probiotics department where they showed us the probiotic capsules & tablets produced using organism Lactobacillus spp. which enhanced the function of digestive system. We were explained the exact Good Manufacturing Practices (GMP) which they followed in the laboratory.

**2. Sami Labs Limited – R & D Center, Bangalore.**

They saw the plant tissue culture processes carried out in the laboratories. Various automated machines like HPLC, NMR, pilot fermentor, scale-up fermentor, lyophilizer, tablet making machines were shown & the principle & working was

explained in detail.

Green house built for transfer of cultured plants was shown.

### **3. Indian Institute of Science popularly known as Tata Institute, Bangalore.**

They visited biochemistry department. Many automated machines including scintillation counter, enzyme purifier, cryocentrifuge, HPLC, temperature & speed regulated rotary shaker were shown & their principle & working was explained. Preparation & use of Milli-Q water was explained. Milli-Q water is used for doing research work of molecular level.

### **4. Nandini Dairy, Mysore.**

Biochemistry of milk was explained. Explanation was given about various tests for milk sample like determination of pH, acidity. Processing of milk & milk products, packaging was shown & explained in detail.

They also visited ISCKON and Vishweswariah industrial & technological museum at Bangalore. Chamundeshwari temple, Mysore palace and Brindavan gardens at Mysore

The tour was indeed very Knowledgeable & interesting. It helped students to broaden their perspectives which would help them to take better decision about their future.

#### **➤ Department of Library and Information Science**

One day Library Visit was arranged on 5 April 2011 for B.L.I.Sc students of YCMOU at I.I.T Library, Powai.

- Our college has been selected as a lead college by the University. Our college organized following programmes.

#### ***1) General Meeting for Thane Campus (Mumbai University)***

On 20th Oct 2010 an important meeting of all stakeholders of proposed Mumbai University Thane Campus was arranged in "Patanjali Sabhagruha" in B.N.

Bandodkar College of Science. But due to some unavoidable circumstances it was shifted to "VPM's BRIMS Panini Sabhagruha". A committee consisting of i) Prin. Dr. Nareshchandra (President) ii) Prin. Dr. G.B. Vishe (Member) iii) Prin. Narayan Phadke (Member) iv) Prin. Dinesh Panjwani v) Mr. Dinesh Kamble (Member Secretary, Dy. Registrar) is going to submit all inclusive report of suggestions from various stakeholders and eminent personalities. To know about the feelings and views of various representatives and to have a dialogue and discussion, above committee arranged such meeting. Various speakers i) Prin. Dr G.B. Vishe ii) Mr Dinesh Kamble, Deputy Registrar iii) Senior member of VPM Shri S.V. Karandikar iv) Prin Mrs Srividya Jayakumar v) Prin Rajkumar Kolhe vi) Dr Kalpita Mulye vii) Mr Abhijit Panase, President, Bhartiya Vidyarthi Sena viii) Mr Nilesh Gaikwad ix) Prin. Dr R.K. Prasad x) Dr (Mrs) Bhagyashri Dabke and many students expressed the need of globalized campus to welcome the rapidly changing scenario of education. They also suggested need based courses, I.T. facility, 24 hrs telephonic service for answering inquiries of students, exchange of students and teachers, administrative decentralization of examination work, 24 hrs library facility etc.

One speaker suggested that even if available land is of only 6.5 acres, with high rise buildings one can achieve expansion and improvement, since for such progress only sky is the limit. On behalf of V.P.M. management our Prin. Dr Mrs. Madhuri Pejaver offered every possible help related to I.T. Our management offered space on our website. The E-mail Id : [univthanecamp@vpmthane.org](mailto:univthanecamp@vpmthane.org) is created for all stakeholders to give the constructive suggestions and to help the Thane Campus (Mumbai University) to become World Class University.

## **2) Workshop on Examination Reforms & Credit / Grading System**

A workshop on the new Examination pattern and Credit and Grading system was

conducted in our college in collaboration with University of Mumbai at Thorle Bajirao Peshwe Sabhagruha on 22<sup>nd</sup> March 2011.

Prof Vilas Shinde, Controller of Examination, University of Mumbai inaugurated the workshop by lightening the lamp, which was then followed by University song. Mr. Vilas Shinde then explained about OMR (Optical Mark Recognition) type of answer papers and the precautions to be taken in this system.

Mr. D.N. Mujumdar, Director, Central Computing Facility, University of Mumbai explained in detail the new barcoded cum OMR answer book system. He elaborated on the duties of Senior and Junior Supervisors and precautions to be taken by all stakeholders. He also gave the information about the documents to be filled during the examination.

Mr. D.N. Mujumdar distributed the CD's containing the information of new Bar-coded / OMR answer book system to all college representatives who were present.

Prof S.B. Patil, former Dean of Science faculty, University of Mumbai highlighted the basics of Credit and Grading System to be implemented from the Academic year 2011-2012.

The workshop was well attended by Principals, Vice-Principals, Examination Chair persons and senior faculty of various colleges from cluster. Around 70 participants from 24 colleges attended the workshop. The teachers were eager to know the exact functioning and hence number of questions was asked during Question answer session. The response of all was very positive.

### **Vidya Prasarak Mandal**

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

On our campus 'Jnyanadweep' we have a cluster of colleges-as Polytechnic

college, Law college, Management college, Arts & Commerce College and our Science College. We also have an advanced study center on the campus. Also a centre to study *foreign languages- German, French & Japanese* has started. All these colleges and centers are conducting workshops, seminars, conferences and guest lecturers 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.

- V. P. M.'s Polytechnic has organized one day National conference on "Broader Perspectives of Language, Thinking and Technology" on 3<sup>rd</sup> July 2010.
- Advanced Study Center has organized One Day Seminar on "Drug Regulatory Affairs" on 4th December 2010.
- Joshi Bedekar College has organized One Day National Seminar on "Development of India through Micro financing" on 7<sup>th</sup> January 2011.

Our Management conducted the following programs.

- 14<sup>th</sup> April 2010 was observed as 4<sup>th</sup> *smritideen* for our beloved president late Dr. V.N.Bedekar . A lecture on Indian Science and Religion with historical view on 14<sup>th</sup> April 2010 by Prof B.V.Subbarayappa
- On 1<sup>st</sup> August 2010 our management celebrated 75<sup>th</sup> anniversary. On this day all the principals of institutes run by our management present their report .
- On 15<sup>th</sup> August 2010 the Independence Day was celebrated by flag hoisting.

As per the tradition of our management, on Teachers' day was celebrated on 5<sup>th</sup> Sept 2010.

- VPM celebrate the convocation programme and award/ certificates/Diplomas for the courses run by the Trust. This year convocation programme was arranged on 5<sup>th</sup> Sept 2010.
- Through Disha Vyasapeet of Our management organized
  1. Singing programme of Mr Ramdas Kamat on 11<sup>th</sup> April 2010.
  2. Two days Singing programme named as “Swarotsav” on 23<sup>rd</sup> and 24<sup>th</sup> January 2010 at Thorle Bajirao Peshwe Sabhagruha by Mrs Ashwini Bhide-Deshpande on Classical Music and Smt Faiyaz, Mrs Neelakshi Pendharkar and Mr Pralhad Adfarkar on Natyasangeet.
- On 26<sup>th</sup> January 2011 management celebrated Republic Day.
- On 14<sup>th</sup> April 2011 5<sup>th</sup> *smritideen* for our beloved president late Dr. V.N.Bedekar was observed. Prof Ram Takawale delivered a lecture on Need of Autonomy for Academic Excellence.

Part C: Detail the plans of the institution for the next year (2011-2012)

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

- National conference on “Cloud Technology” will be organized by Department of Information Technology on 11-12<sup>th</sup> Nov 2011.
- National conference on “Biotechnology in Diagnostic will be conducted by Biotechnology Department on 6-7<sup>th</sup> Jan 2012.
- Preparatory workshops: will be conducted on *8th August 2011* 1st Workshop - and 2nd Workshop on - 19th September 2011.

We will apply for the permission to start M.Sc. in Statistics.

We will start add-on courses/Certificates courses in Bio-Statistics, Training in SPSS, Basics of Computers, Making of JAM/Jelly//Pickles.

Through research committee we will conduct workshop.

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. & 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 “self defense” programme. It is the need of the female 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 is very supportive and ready to accept any new ideas. Our Management believes that coming together is a beginning; keeping together is progress; and working together is success. 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

Dr (Mrs ) M.K. Pejaver

IQAC Co-ordinator

IQAC Chairperson.

## Personalities visited our College during academic year 2010-2011

Sr.No	Name of the Eminent Personality	Designation	Purpose of Visit
1.	Dr. Rajan Verukar	Vice Chancellor, University of Mumbai, Mumbai	Guest at conference, "Intelligent Systems"
2.	Shri.D.D.Shivthare	Sr. Inspector of Police, Narcotic Drugs and Psychopathic Substances Cell, Crime Branch, Thane	Guest of Honour for Seminar on Think Health; Not Drugs, on International Day Against Drug Abuse and Illicit Trafficking.( 26 June 2010).
3.	Dr. A.P. Pradhan	Ex- vice Chancellor, YCMOU	As an Expert for BEST College Visit
4.	Dr. K.P. Sonavane	Ex- vice Chancellor, Dr Babasaheb Ambedkar Marathwada University, Aurangabad	As an Expert for BEST College Visit
5.	Mr.Manoj Bhatt.	Advocate and Faculty, VPM's TMC Law College, Thane	Guest of Honour for Seminar on Think Health; Not Drugs, on International Day Against Drug Abuse and Illicit Trafficking.( 26 June 2010).
6.	Dr. Vijay Joshi	Principal K.J. Sommaiya College, Vidyavihar	To guide regarding CAS System.
7.	Ms.Sampada Jogalekar-Kulkarni	Actress	Chief Guest for Inauguration of Cultural Association.
8.	Mrs Vidya Nahir	Yoga teacher, USA	To give guidance on "chair yoga".
9.	Prof. Vandana Sathe	Associate Professor and Head of the Department of Botany, Kirti M Doongursee College, Mumbai	Chief Guest for Inauguration of Botany Club.(18 Aug 2010)
10.	Dr. Manisha Kayande	Asso.Prof.in Zoology M.D. College Parel Mumbai.	Judge for Intracollegiate Zoozone.( 20Aug 2010)
11.	Dr. Shantaj Deshbratar	H.O.D zoology Hazarimal Somani College Mumbai	Judge for Intracollegiate Zoozone (20Aug 2010)
12.	Dr.Sudhakar Agarkar	Research Scientist, Homi Bhabha Centre for Science Education, Mumbai .	A Lecture on ' Science and Technology Development in China '
13.	Mrs. Jignyasa	Faculty, TARA (TATA RALLIS)	As chief guest for WDC programme to create

			awareness on importance of self- defense. (6 Oct 2010)
Sr.No	Name of the Eminent Personality	Designation	Purpose of Visit
14.	Dr. Rajendra Sonar	Associate Professor of IS / IT at SJMSOM, IIT Bombay	Inauguration of conference “Intelligent Systems”
15.	Dr Shubha Thatte	Well known counselor,	To guide on educational stress.
16.	Prof. Sanjay Shitole	HOD & Asst.Prof of SNDT Womens University.	Resource Person for 1 <sup>st</sup> Preparatory Workshop on “Intelligent Systems”
17.	Mr. Dinesh Kamble (Member Secretary,	Dy. Registrar University of Mumbai	General Meeting for Thane Campus
18.	Prin. Dr. Nareshchandra	Principal, Birla college Kalyan	General Meeting for Thane Campus
19.	Prin. Dinesh Panjwani	Principal,	General Meeting for Thane Campus
20.	Prin. Dr. G.B. Vishe	Ex Principal, Jynansadhana College, Thane.	General Meeting for Thane Campus
21.	Prin. Narayan Phadke	Prin,	General Meeting for Thane Campus
22.	Mr Abhijit Panase,	President, Bhartiya Vidyarthi Sena	General Meeting for Thane Campus
23.	Prin Rajkumar Kolhe	Principal,	General Meeting for Thane Campus
24.	Dr. Guruprasad Murthy	Director, BRIMS, Thane.	To guide teachers for preparing words to include in encyclopedia.
25.	Prof.Rajendra Patil	Lecturer,Vaze Kelkar College,Mulund.	Resource Person for 2 <sup>nd</sup> Preparatory Workshop on “Intelligent Systems”
26.	Mr. Prashant Kanade	Assistant Professor VES Institute of Technology	Paper Presentation in Workshop on “Intelligent Systems”
27.	Mrs.Anjali Yeole	Assistant Professor VES Institute of Technology	Paper Presentation in Workshop on “Intelligent Systems”

28.	Mr. Zaki Anwar Hamdani	President and MD, Zaib Technologies Pvt. Ltd.	Guest Speaker in Workshop on “Intelligent Systems”
Sr.No	Name of the Eminent Personality	Designation	Purpose of Visit
29.	Mr. Pritam Kalos,	Assistant Professor, Wagh Institute of Technology, Nasik	Presentation in Workshop on “Intelligent Systems”
30.	Mrs. Srivaramangai	Head, UDIT	Talk in Workshop on “Intelligent Systems”
31.	Mrs. Chaitali Gadekar	Assistant Professor, MGM College, Kamothe	Talk in Workshop of “Intelligent Systems”
32.	Mr. Pushpendru Rakshit	Assistant Professor, MGM College, Kamothe	Talk in Workshop of “Intelligent Systems”
33.	Mrs. Anu Thomas,	Assistant Professor, SIES College, Nerul	talk on Artificial intelligence in Robotics
34.	Mr. Hiren Dand	Assistant Professor, Mulund College of Commerce, Mulund	Talk on Knowledge Extraction and Fact understanding
35.	Dr. Ajay Patil	Assistant Professor, North Maharashtra University, Jalgaon.	Talk on Knowledge Extraction and Fact understanding
36.	Mr. Dinkar Borde	Scientist, Telecommunication Engineer	Speech in Workshop “Intelligent Systems”
37.	Mr. Prasad Dixit	Founder Member of Fennec Fox Technologies, Pune	Guest Speaker in Workshop on “Intelligent Systems”
38.	Dr. Mahesh Bedekar	Well known gynecologist	To deliver a lecture on Female Foeticide
39.	Mr. Sureshchandra Vaidya	Sr. correspondent of Maharashtra Times	Guidance in Career Melava
40.	Prof, Mrs. S.S. Jape.	Prof. VPM’ Polytechnic	Guidance in Career Melava
41.	Mr. Vinayak Kamat	GEEBEE Education Pvt. Ltd	Guidance in Career Melava
42.	Dr. G.V. Kulkarni	Director, Advanced Study Centre, VPM ,Thane	Guidance in Career Melava

43.	Ms. Vrinda Supekar	VPM Polytechnic	Guidance in Career Melava
44.	Mr.Sachin Umalkar	Director, Pharma Career Counseling	Guidance in Career Melava
Sr.No	Name of the Eminent Personality	Designation	Purpose of Visit
45.	Mr. N. S. Barse,	Librarian, Joshi Bedekar College	Guidance in Career Melava
46.	Mr. Mangesh Borkar	<b>Director</b> , Sambodhi Career Academy	Guidance in Career Melava
47.	Dr. Prabhakar Kelkar	Director Dr.V. N.BRIMS Thane.	Guidance in Career Melava
48.	Prof. Vidhyadhar Walavalkar,	Lecturer VPM Polytechnic	Guidance in Career Melava
49.	Dr.P.M.Kelkar	Director VPMs Brims	Chief Guest for Career Melava
50.	Dr. Geetanjali Chimote	Piramal Group	Guidance in Career Melava
51.	Mr. Sushant Mysorekar	Trainer, Aviation Industry IIFLY from Andheri	Guidance in Career Melava
52.	Mr. Rajendra Yevle	Assistant General Manager from Bharat Sahakari Bank, Thane	Guidance in Career Melava
53.	Prof L.S. Bothra	Lecturer, Engineering Institute from Asangaon.	Guidance in Career Melava
54.	Prof. S.S.Mujumdar	Ex Principal of VPMs Polytechnic college	Guidance in Career Melava
55.	Dr Varadraj Bapat,	Professor in Management studies at the IIT.	Guidance in Career Melava
56.	Mr Niraj Pandit	Journalist in MaharashtraTimes	Guidance in Career Melava
57.	Ravindra Nathan	Commodore ,Merchant Navy Angloeastern Shipping Company	Guidance in Career Melava
58.	Prof Dr. Radha Srinivasan	Associate professor, department of physics, Mumbai University	Guidance in Career Melava
59.	Mr. Santosh Pathare	Professor in Chemistry Gurunanak college	Guidance in Career Melava
60.	Prof. A.S.Desai	Professor in Mathematics from Somaiyya College of Engineering	Guidance in Career Melava
61.	Mr.Vaibhav. Desai	BE Computer, a programmer	A talk for environmental

		analyst in Godrej	awareness under Green Force nature club.
62.	Dr.D.N.Phadke	Senior Assistant librarian.IIT Powai	To Guide the project for M.Lib.
63.	Mr.Bhaskar Rao Thorat	Librarian,Veer Vajekar college	To Guide the project for M.Lib.
Sr.No	Name of the Eminent Personality	Designation	Purpose of Visit
64.	Mr.Ramchandra Surve	Secretarary, Ambika yog Kutir	Chief guest for yoga function.
65.	Ms.Asawari Kakade	Marathi Kaviyatri	Speech for the event for "writer to meet you"
66.	Mr.Krishna Jadhav	Tehasildar, Thane	Chief Guest for Inauguration of outdoor activities of Akanksha.
Sr.No	Name of the Eminent Personality	Designation	Purpose of Visit
67.	Dr.Santosh Kamerkar.	Counselor	Presentation on "Peresonality Development and how to overcome Depression" for Sankhyiki club.
68.	Mr Sanjay Sule	Technical institute at Thane (Industrial Engineering Institute)	To interact with T.Y.B.Sc. Zoology students
69.	Mr.Jitendra Eknath Ghude	Past student Pursuing his M. Sc. Part – I in Zoology at Jhunjhunwal College	To interact with T.Y.B.Sc. Zoology students
70.	Dr. Beena Joshi	Scientist -C at the Department of Operations Research, (NIRRH) Mumbai	Presentation on "male involvement in women's health".
71.	Prof. Mahesh Shetti	Associate Prof. of Physics, Wilson College, Mumbai	Resource person for Physics workshop
72.	Prof. (Mrs.) Rekha Ghorpade	Associate Prof.of Physics, R.J. College, Ghatkopar	Resource person for Physics workshop
73.	Dr. Jyoti Rao	Associate Prof. Head, Ruia College.	Resource person for Physics workshop

74.	Dr. V. Balsubramaniam	Associate Prof. Head, Shiddharth College Member B.O.S Mumbai University	Guest for workshop in Physics
75.	Dr. M.A. Madare	Associate Prof. Chair person Board of Studies Mumbai University	Guest for workshop in Physics
Sr.No	Name of the Eminent Personality	Designation	Purpose of Visit
76.	Prof. Raghu Pillai	Associate Prof. Member B.O.S Mumbai University Chairman: Syllabus committee	Guest for workshop in Physics
77.	Shri. Satish Diwanji	Retired Colonel Chief Manager Bandra-Varli Sealink	Invited by Physics Club Activity
78.	Dr. Archana Kale	Senior Research Officer, RCF, Mumbai.	Talk on Agricultural biotechnology and its scope.
79.	Prof.Damodar More	Hindi and Marathi Author	Chief guest on Hindi Divas.
80.	Prof Vilas Shinde,	Controller of Examination , University of Mumbai	Workshop on Reforms in Examination System - Barcoded cum OMR Answerbook.
81.	Prof S.B. Patil,	former Dean of Science faculty, University of Mumbai	Workshop on Reforms in Examination System - Barcoded cum OMR Answerbook and credit grading system .
82.	Mr D.N. Mujumdar,	Director, Central Computing Facility, University of Mumbai	Workshop on Reforms in Examination System - Barcoded cum OMR Answerbook