



**Vidya Prasarak Mandal's**  
**B.N.BANDODKAR COLLEGE OF SCIENCE**  
**Thane 400 601.**  
**NAAC Accredited B++**

*Post- Re-accreditation Report*

## *Post- Re-accreditation Report*

***Activities conducted from June 2009-18<sup>th</sup> Jan 2010.***

Sr. No.	Topic	Page No.
1	Criterion-I	02
2	Criterion-II	02
3	Criterion-III	15
4	Criterion-IV	25
5	Criterion-V	28
6	Criterion-VI	34
7	Criterion-VII	35
8	Departmental Profiles	36
9	List of Personalities visited	43
10	Revised Calendar	47

## **Criterion I – Curricular Aspects**

### **1.1 New Courses Introduced:**

- Environmental Science (Applied Component) for T.Y.B.Sc. Biotechnology.
- Additional division of T.Y.B.Sc.(I.T.) and a division of T.Y.B.Sc.(Biotechnology)
- A division of S.Y.B.Sc. for Microbiology and Computer Science.
- A certificate course in Molecular biology for biotech students. From next year, this course will be conducted for students of other subjects.

### **1.2 Syllabus Change**

This year new syllabus of S.Y.B.Sc for all subjects has been implemented.

## **Criterion II- Teaching, Learning and Evaluation:**

This year due to teachers strike, we could not follow the calendar. We have modified it in the month of October.

### **2.1 Number of faculty development programmes availed by teachers:**

FIP: 01

### **2.2 Courses attended by staffs**

#### **Refresher Courses : 01**

- ❖ Dr.Anita S. Goswami –Giri attended Refresher Course in Chemistry, UGC, Academic Staff College , University of Mumbai from 4<sup>th</sup> Dec -24<sup>th</sup> Dec 2009.

#### **Orientation courses: 01**

- ❖ Dr.Aparna Bhardwaj attended Orientation Programme in chemistry, UGC, Academic Staff College, University of Mumbai from 16<sup>th</sup> Nov -15<sup>th</sup> Dec 2009.

### **2.3 Other :**

#### **1) Mr.A.P. Patil**

- ❖ Completed Diploma course in “Clinical Research Management and Regularity Affairs” from Haffkine Institute Parel, Mumbai in Jan. 2010
- ❖ Registered for Ph.D. under the guidance of Dr. P.V. Desai at Veer Narmad South Gujarat University, Surat, on the topic “Protobacteria Genome Evolution.”

#### **2) Mrs. Mrinal Patgaonkar** completed M.Phil. from Annamalai University

3) **Dr. Mrs. M. Saha** completed MS-CIT course conducted by Maharashtra State certificate in I.T. on 30 Oct. 2009.

4) Library class IV (Non-Teaching) staff **Mr Santosh Menge** competed Certificate Course in Librarianship with First Class.

#### 2.4 **Seminars/Workshops/Conferences organized by college:**

##### **National Conference : 01**

Department of Botany, organized two day UGC-sponsored National Conference on “Orchid Genetic Diversity: Conservation and Commercialization” on 11<sup>th</sup> and 12<sup>th</sup> December 2009.

- ❖ 171 delegates and student participants from 3 National Institutions, 4 Universities, 18 Colleges, 2 Scientific Societies and 2 NGOs attended it.
- ❖ There were delegates and invitees from different parts of India namely from Bangalore, Chandigarh, Dharwad, Kolkata, Kumaon, Nasik, Pune, Thiruvananthapuram, etc. The major chunk of participation was from surrounding areas viz., Mumbai, Navi Mumbai and Thane district.
- ❖ Some of the prominent institutions and universities represented, through participations, in this conference were,
  1. Botanical Survey of India: Head office, Kolkata
  2. Botanical Survey of India: Western Circle, Sub Centre, Pune
  3. Chandigarh University
  4. Karnataka University
  5. Kumaon University
  6. Mumbai University
  7. The Orchid Society of India, Chandigarh
  8. The Orchid Society of Karnataka, Bangalore
  9. Tropical Botanical Garden and Research Institute (TBGRI), Thiruvananthapuram
- ❖ On 11<sup>th</sup> December 2009 at 9:30 a.m. the Inaugural session was held.
- ❖ Shri. M. Y. Gokhale welcomed the gathering on behalf of VPM, Thane, in his inaugural address and announced the auspicious opening of the conference.
- ❖ In his inaugural address the Chief Guest Prof. S. P. Vij, NASI Senior Scientist, Platinum Jubilee Fellow and Secretary, The Orchid Society of India, he lauded the positive efforts taken by the management and college towards organizing and hosting this conference.

- ❖ Proceedings of the conference were released during the inaugural function, at the hands of Prof. S. P. Vij, Dr. M. Sanjappa, Director, Botanical Survey of India, Kolkata and dignitaries on the dias.
- ❖ Dr. G. T. Dabhade, Ex Head of the Botany Department, who pioneered research on orchids in Bandodkar College was felicitated by Prof. S. P. Vij.
- ❖ The keynote address by Dr. M. Sanjappa, Director, BSI, Kolkata was titled “Studies on Indian Orchids: Government of India Initiatives.” The speaker lead the attentive audience on a tour of pioneer research and researchers, botanists and orchidologists from colonial to present times as well as the facilities for research related work available at BSI.
- ❖ In poster Session 27 participants collectively displayed 13 posters depicting their surveys and research work on the theme of the conference. Dr. M Sanjappa. Prof. S. P. Vij and Dr. C. Sathish Kumar, Sr. scientist, TBGRI, judged this session. Certificates of merit were awarded to the best poster presentations.
- ❖ The poster session was followed by a talk on “Chromosomal Dynamism in Indian Orchids” by Prof. S. P. Vij. Dr. M. Sanjappa chaired this session on the genetic aspect of orchids. Dr. Niranjana Murthy, Department of Botany, Karnataka University, officiated as rapporteur.
- ❖ Dr. C. Sathish Kumar, delivered a lecture titled “Many Worlds of Orchids: Genetic diversity.” Dr. S. Hegde, President, Orchid Society of Karnataka chaired this session and Dr. Jessy Pius, Reader in Botany, Ruia College, functioned as rapporteur.
- ❖ In the next talk, Dr. Sadananda Hegde deliberated on “Conservation of Orchid Diversity and their management”. He also covered the legal aspects in his deliberations. Prof. S. P Vij chaired this part of the session. Dr. (Mrs) Geetha Menon, Reader, R.K.T college was the rapporteur.

**Day - 2 12<sup>th</sup> December, 2009**

- ❖ The session began at 9.00 am with an address by Prof. S. P. Vij titled, “Orchids and Tissue Culture: Conservation and commercialization”. This address covered aspects such as tissue culture, genetic mutations and synthetic seeds. Dr. M. Sanjappa chaired this part of the session and Dr. Behnaz Patel, Head of the Botany Department, Ruia College, functioned as rapporteur.
- ❖ Dr. Sathish Kumar discussed genetic hybridization of orchids and allied aspects in his lecture “Many Worlds of Orchids: Hybridization” Dr. S. Hegde chaired this part of the session and Dr. Niranjana Murthy was the rapporteur.

- ❖ Dr. Niranjana Murthy conducted next talk on “Application of Bioreactor technology for large scale propagation of jewel orchid”. Various biotechnological aspects viz. - bioreactors and vessels for mass propagation of orchids were discussed in this talk. Dr. Sathish Kumar chaired the session and Dr. Meeta Bhot officiated as rapporteur
- ❖ Dr. S. Hegde, conducted the next session. His talk was titled “Cultivation and farming of Selected Orchids for Trade”. He stressed upon simplified technology, for the cultivation of orchids, for laymen and farmers. Dr. P. G. Diwakar, Dy. Director, BSI Pune, chaired the session and Dr. Aruna Rai, Reader in Botany, CHM College, Ulhasnagar was the rapporteur.
- ❖ Dr. Mrs Mulgaonkar, Convener of this national conference enthralled the gathering with her presentation titled, “Palynological Observations under SEM of some orchids from Western ghats”. She talked on Palynological aspects and uniqueness of pollen in orchids observed by her.
- ❖ Dr. S. Hegde and Dr. C. Sathish Kumar judged the paintings exhibited by school children as a part of the Orchid Painting Competition conducted on 10 December 2009 as a prelude to conference. Two prizes were announced, to the best entries from each category. The same judges also judged the photographs of orchids exhibited under the “Orchid Photography Competition” and the best entries were awarded merit certificates.
- ❖ Oral paper presentation (competition) was next event in programme. Dr. S. Hegde and Dr.Sathish Kumar officiated as judges for this competition. Students and young researchers presented seven papers. Three best presentations were awarded merit certificates.
- ❖ The oral paper presentation competition was followed by an address by Dr. P. G. Diwakar, Dy. Director, BSI Pune, on “Vegetation of Andaman and Nicobar Island: Orchids”. He mesmerized the gathering with his presentation that also included geographical aspects.
- ❖ Dr. P. G. Diwakar, was the chief guest for the valedictory session. He gave the valedictory address. Dr. Sathish Kumar and Dr. S. Hegde, also spoke on the occasion and thanked the management and college for efficient organization and conduct of the National Conference.
- ❖ Delegates from different institutions gave their feedbacks regarding the conference.

- ❖ As a prelude and part of the national conference, an “Orchid painting competition” for schoolchildren was organized on 10 December 2009. The competition was also open to children of teaching and non-teaching staff members. This competition was co-sponsored by Rotary Club of Thane Uptown. 50 children from 15 schools in Thane city, Navi Mumbai, and Thane district participated in this competition. Dr. C Sathish Kumar, and Dr. S. Hegde, judged this competition. All participants were awarded participation certificates immediately after the competition.
- ❖ Dr.Mrs. Mulgaonkar worked as convener and Dr. Mozes Kolet worked as Organizing Secretary.

***State level Seminar : 02***

***1) On August 22, 2009, being Birth Centenary Year of Dr. Homi Bhabha, B. N. Bandodkar College of Science, Thane, in collaboration with BARC (Bhabha Atomic Research Center) organized seminar on “New Vistas in Research in Physics”.***

- Dr. Srikumar Banerjee, Director, BARC was the Chief Guest. Keynote address delivered by Dr. Srikumar Banerjee, Director, BARC covered the on going research projects in BARC along with achievements and successful contribution in various fields.
- Power point presentation by Dr. Ajitkumar Mohanty, Research Scientist, BARC on “Nuclear Physics and High Energy Physics” helped the participants to understand concept of Bhabha Scattering in more interactive way.
- The lecture on “Cosmic Air Shower and its implication in High Energy Astrophysics“ delivered by Shri Subir Bhattacharyya, Research Scientist, BARC using video clips, photographs of cosmic air shower, made the participants understand the concepts of cosmic and gamma radiations.
- Panel of Dr. V.M. Datar, Shri R. Koul, Dr. B. N. Jagatap, Shri R.K. Sharma from BARC then very convincingly answered the queries put forth by the participants.
- More than 300 students and about 25 staff members from various colleges attended the programme. BARC gifted informative posters regarding Research and Developments at BARC to Bandodkar College.



National Conference “Orchid Genetic Diversity: Conservation and Commercialization” organized by Department of Botany on 11<sup>th</sup> and 12<sup>th</sup> December 2009.

Seminar on “New Vistas in Research in Physics” arranged on August 22, 2009 in collaboration with BARC (Bhabha Atomic Research Center)



One Day Seminar on “Reengineering of Libraries” organized by Library on 27 November 2009.

One day workshop on ‘Intercultural Education’ was arranged for the staff members of B. N. Bandodkar College at the ‘PATANJALI’ Sabhagruha on 17<sup>th</sup> November 2009





**2) Library organized One Day Seminar on “Reengineering of Libraries” on 27 November 2009.**

- Our Principal Dr.Mrs. M. K. Pejaver was the convanor and librarian Ms. Kadambari K. Kardekar was organizing secretary.
- This Seminar was attended by 115 delegates, in which 75 colleges have participated from all over Maharashtra. College lecturers, HOD’s and Principals from sister institutions colleges were present for it.
- Dr V.N. Patkar, Ex Professor, ICFAI, gave Keynote Address on this occasion.
- The Proceeding of the Seminar was published at the hands of Dr V.N. Patkar
- The Resource persons were 1)Mr Kishor Ingale, Manager, TCS 2) Dr Rajendra Kumbhar, Reader, Pune University.3) Mr N.B. Dahibhate,Librarian, NCL, Pune.
- The topics for paper presentation were Changing role of Librarian, Use of ICT in LIS, Reengineering: how it helps in problem solving.
- The paper presentation session was chaired by Dr Konnur and Dr V.N. Patkar
- Eight papers were presented in the Seminar. It was followed by Panel Discussion.
- Dr Mrs Pratibha Gokhale, Reader, Dept of LIS, Mumbai University, was the Chief Guest for Validictory function.

**Workshops : 04**

**1)The first preparatory workshop “Orchid Genetic Diversity: Servation and Commercialization” was conducted on 8<sup>th</sup> August, 2009 at Thorle Bajirao Peshwe auditorium.**

- Dr. S. P. Vij Secretary of Orchid Society of India and Editor of the Journal published by “The Orchid Society of India”.was honorable chief guest.
- The Convener of the conference Dr. (Mrs.) M. S. Mulgaonkar expressed her views on Orchids and its popularity.
- Organizing Secretary Dr. M. J. Kolet discussed the theme of the conference.
- Dr. S. P. Vij shared his expertise in the field of Orchids with us. In his presentation “Orchids: Why and how?” He gave an idea of habit, habitat, flowers, pollination and certain important facts regarding orchids.
- Ms. Sanghamitra’s presentation was on Mimicry in orchids.

- Ms. Shraddha Raut unfolded the medicinal side of orchids.
- Mrs. Ashwini Apte spoke on “Vanilla Cultivation”.
- Poster session: Posters included 1) Wild orchids from Western Ghats 2) Floral morphology 3) Hybridization of orchids in India 4) Conservation of orchids in India 5) Life cycle of orchids 6) Diversity of Orchids in India.

Our own students presented all posters.

**2) The second preparatory workshop “Orchid Genetic Diversity: Conservation & Commercialization” was conducted on 19<sup>th</sup> September 2009 at Patanjali, B. N. Bandodkar College of Science, Thane.**

- ❖ Chief guest was Dr. (Mrs.) Usha Mukundan, the principal, R. J.C. college, Ghatkoper. She delivered a speech on propagation of orchids and tissue culture techniques. She gave us overview of hybridization of orchids.
- ❖ Dr. (Mrs.) M. S. Mulgaonkar made a presentation on ‘Palynological observations on *Aerides Laur*’. She explained about pollinia structure of 3 *Aerides* species under SEM. She explained about beautiful pollen architecture seen in the pollen grains of these 3 species.
- ❖ This was followed by poster session. Posters included 1) Life cycle of Orchids 2) Floral morphology of 3) Conservation of orchids in India 4) Diversity of orchids in India 5) Hybridization of orchids in India 6) Collections of postal stamps (having orchid pictures) 7) Wild orchids from Western Ghats 8) Commercialization of Indian orchids 9) *Rhynchostylis retusa* 10) Orchids of Sahyadri.
- ❖ After the poster session, 1) Mr. Sameer Surve presented a paper on ‘Use of Orchids by Indigenous people of Sahyadri region; Ethno medicinal approach’. 2) Second presentation was by Ms. Ashwini Chiplunkar and J. Pius. It was titled as “Effect of growth supplements on in vitro shoot multiplication of *Vanilla planifolia* Andr., an orchid of great commercial importance”. 3) Further Ms. Shraddha V. Raut gave an interesting presentation on “Hybrids of Orchids”. 4) Ms. Resma B. Patil, student of S. Y. B.Sc. presented ‘Orchid: Insect Pests and Their Management’. 5) Ms. Jyoti R. Dharvin, student of S.Y. B. Sc. Presented ‘Hydroponic technology for commercial orchid cultivation’. 6) Mr. Omkar Thorat, student of T. Y. B. Sc. Botany gave a presentation about ‘Fungal diseases of Orchids’

### **3) Workshop on Intercultural Education:**

***One day workshop on ‘Intercultural Education’ was arranged for the staff members of B. N. Bandodkar college at the ‘PATANJALI’ Sabhagruha on 17<sup>th</sup> November 2009.***

- Dr. H.C. Pradhan (Director-Homi Bhabha center for science education, Mumbai), inaugurated the workshop. His area of speech revolved around the salient points with respect to teaching which emphasized on the fact- ‘learning for all and everyone can learn’
- Dr. V. V. Bedekar, (Chairman-Vidya Prasarak Mandal, Thane), firstly spicing up his speech by delivering it in Marathi and secondly by giving a cultural depth to education, did a cultural awakening.
- Next speaker was Mr.Joshi who spoke about his experience as a part of a team who visited the Oxford and Cambridge universities along with a few museums and educational institutes and learn about their educational system.
- Mr. R.D. Kavathekar, gave an account of his visit to the Rutherford Appleton Laboratory in U.K.
- Dr. S.C. Agarkar, took the workshop at its cherry top with his speech on multicultural education. He first spoke about the present days problems like
  - 1) Admission of students at lower end of performance ladder.
  - 2) Heterogeneous student population in terms of cognitive entry behavior and affective entry characteristics.
  - 3) Variation in educational opportunities to the students’ solutions.

Finally he suggested some remedies for above problems.

- For detail discussion, teachers were divided among 4 groups and topics were given as
  - 1) Identifying and developing learning prerequisites.
  - 2) Enhancing Educational opportunities.
  - 3) Improving communication competence.
  - 4) Issues for action research.
- In the next session, all the participants explored their thinking ability in order to make complete justice to their topic.
- The next session was indeed remarkable as group leaders of each group presented their respective group report.
- Dr. S.C. Agarkar stressed that after discussion and decision, next head on should be the implementation of the same.

**4) Three Day Workshop for M.L.I.Sc students was conducted on 19<sup>th</sup> December to 21<sup>st</sup> December . Dr Hindurao Wayadande, Sr Asst Librarian, IIT, Powai & Mr Bhaskarrao Thorat, Librarian, Rayat Shikshan Sanstha College of Arts, Commerce & Science, Funde, Uran were the Subject expert for the same. In all 23 students have presented one Research Paper and also submitted the Project Synopsis.**

2.5 Number of seminars, conferences, workshops attended by faculty members:

Conferences: 30

Seminars : 39

Workshops : 47

2.6 **Study Tours And Excursions**

**a) Department of Zoology :**

F.Y.B. Sc excursion was conducted to prince of Wales Museum, Mumbai on 27<sup>th</sup> Oct, 2009. Four staff members accompanied One hundred students.

**b) Department of Botany:**

- ❖ Arranged one-day Botanical excursion of F.Y.B.Sc. Class to Pune on fifth Nov.2009.Three teachers and 66 students joined excursion.
- ❖ Arranged three-day Botanical excursion of S.Y.B.Sc. & T.Y.B.Sc. Class to Aurangabad, on 10 – 13 November, 2009. Three teachers and 34 students visited various places.

**c) Department of Bio-Technology**

1. Study tour was arranged to Enviro-vigil, – Biomedical waste treatment & disposal facility, Thane for SY Biotech / Micro & T.Y.B.Sc. Biotech students.
2. A study tour of TY Biotech students was arranged to Hyderabad from 20 Oct. to 25<sup>th</sup> October 09. Students visited the institutes like CCMB, IICT, and ICRISAT at Hyderabad for their future prospects in research & development.

## 2.7 Awards / Recognitions / Honors

**Recognitions: 05          Honors : 23**

### **Recognitions:**

- Prin Dr Ms M.K. Pejaver
  1. 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, 2009.
  2. Worked as convener for one-day state level seminar on “Reengineering of Libraries” conducted by B. N. Bandodkar College of Science, Thane on 27<sup>th</sup> November 2009.
- Dr. Mrs.Moitrayee Saha
  - 1) Has been elected as a Life Member of the “Society for Science and Environment”
  - 2) Invited as a member of Institutional Animal Ethics Committee on 8Oct. 2009 by Birla College ,Kalyan.
- Dr. Vinda Manjaramkar was appointed as member of jury for Eureka 2009, an intercollegiate paper presentation contest,23 Dec 2009 by G.M.M. College Bhivandi.

### **Honors**

#### ➤ **Prin Dr (Ms) M.K. Pejaver**

1. Was Invited to deliver **plenary lecture** ‘On conservation of Lakes and Rain water’ 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, Vikhroli on 21<sup>st</sup> December, 2009
2. Was invited as a **resource person** to deliver a lecture on ‘Fresh water Aquatic Biodiversity’, in Refresher course on Environmental Management-Present Scenario, conducted by Birla College and Academic Staff College, Univ. Of Mumbai, on 6 Jan 2010.
3. Was invited as a **resource person** to deliver a lecture on ‘Household Waste Management’, in Refresher course on Environmental Management-Present

Scenario, conducted by Birla College and Academic Staff College, University Of Mumbai, on 9 Jan 2010.

4. Was invited as a **resource person** to advice and assist on 'session for question paper setting', in Refresher course on Environmental Management-Present Scenario, conducted by Birla College and Academic Staff College, Univ of Mumbai, on 9 Jan 2010.
5. Was selected in **advisory committee** for the one day Seminar "Ecotourism-An Indian Perspective"

➤ **Dr R.P. Athalye**

- 1) Worked as **examiner for Essay competition** organized by Marathi Vidnyan Parishad, Thane Division.
- 2) Was Invited to deliver **plenary lecture** 'On Ecological Studies On Thane Creek and Ulhas River estuary" 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, Vikhroli on 21<sup>st</sup> December, 2009

➤ **Dr. Mrs. Mulgaonkar** appointed as **referee** for Ph. D. by Rajiv Gandhi Univ. Itanagar ,Arunachl Pradesh on 17<sup>th</sup> 2009.

➤ **Dr. M. N. Nyayate**: invited by Nature Club, R. D. National College, and gave **talk** on "Saurkundi – Himalayan Trekking: An Experience" on 10<sup>th</sup> Sept 2009.

➤ **Mr. N. D. Mandge**

1. Delivered a **lecture** on "Vedh Vishwacha" at Marathi Vidnyan Sammelan, Thane.
2. Appointed as **member of Board of Directors** of Thane Janata Sahakari Bank 3 Jan. 2010.

➤ **Mr. A. P. Patil** was invited as **Chief Guest** at "Meritorious Students' Award function" organized by Lions Club of Bombay Kanjurmarg on Sept. 2009.

➤ **Dr. Moses J. Kolet** was invited as

1. **Judge** for the District Level National Children Science Congress, Mumbai District on 14<sup>th</sup> November 2009.
2. Invited as **Judge** for the research paper presentations (poster paper sessions) in the UGC sponsored 3 day National Seminar on Fungal Biotechnology organized by Department of Botany, Mithibai College, Mumbai in association with The

Mycological Society of India (Mumbai unit) under the aegis of University of Mumbai on 7<sup>th</sup> -9<sup>th</sup> January 2010.

3. Selected as **executive member** for UGC Sponsored National Seminar on “Fungal Biotechnology” arranged by Mithibai College, Mumbai University

➤ **Mrs. M. T. Wankhede** was invited as

1. A **chief guest** at “Bahujan Hitay vasatigruha” ulhasnagar-4 on 5<sup>th</sup> Dec 2009 for the elocution competition.
2. A **chief guest** on the occasion of Savitribai Phule’s Birth anniversary by Kalyan Dombivli Mahanagar Palika , 5 Jan.2010

➤ **Dr. (Mrs) Anita Goswami-Giri** has been appointed for 3years from 5<sup>th</sup> Jan 2010, as **President** of Consumer Protection Service Committee, Thane. city, Zone No.26.

➤ **Prof A.A. Kale** was invited

1. As **Resource person** for One Day Workshop on Practicals for M.Sc. (I.T.) Part – II organized by V.G.Vaze College on 11.09.2009.
2. To deliver **lecture** on “Artificial Intelligence” on 18.09.2009 in K. B. College of Arts and Commerce for Women on 17.09.2009.
3. As **Guest Speaker** for “ERP Systems” subject on October 03, 2009.at L.S. Raheja College.
4. As **Chief Guest** for Prize Distribution ceremony of B.Sc. (I.T.) “Festival Insight, A love affair with knowledge" on December 12, 2009.at L.S. Raheja College.
5. As **Judge** for Poster and Cover Page Competition in Dimensions 2010, an intercollegiate festival by Vaze-Kelkar College, Mulund.

**Criterion III- Research, Consultancy, Extension****3.1 Research projects:**

Department	Project Title	Sanctioned by	Cost Rs.	Duration	In-Charge Staff
<b>Old Continued: 02</b>					
1)Zoology	EIA (Environment Impact Assessment) Project (continued last years project)	Conservation Action Trust; Mumbai.	100,000/-		Dr. R. P Athalye
2)Chemistry	“Separation of endogenous inhibitor , Immobilization and properties pf PPO from onion leaves”	UGC, New Delhi	11,30,800/-		Dr. (Ms) A. S. Goswami-Giri
<b>Newly Sanctioned Major projects : 01</b>					
Botany	“Surveillance of habit distribution of medicinally important orchids from Maharastra (Weastern Ghats) with mention to their substance composition and conservation of some rare and endangered orchids in orchidarium.”	UGC, New Delhi	4,81,300/-	3 Yrs	Dr. (Ms.) M. S. Mulgaonkar
Chemistry	“Study of Organic luquid-liquid mixtures of ester in cyclic ethers.”	UGC, New Delhi	5,88,000	3 yrs	Dr. M.V. Ratnam
<b>Newly Sanctioned Minor projects : 02</b>					
Chemistry	Mechanism action of lanthana against wood destroying agency.	University of Mumbai	30,000	1 yr	Dr. (Ms) A. S. Goswami-Giri
Zoology	Bio-compost- “ a Niche for insect diversity”	University of Mumbai	16,000	1yr	Prin Dr.(Ms) M. K. Pejaver



<b>Applied &amp; awaiting sanction letter Minor projects: 02</b>					
1) Zoology	“Flora and Vertebrate Fauna of Malwada region in Taluka Vikramgad”	University of Mumbai	6	1yr	Dr (Ms.) N. N. Patil
2) Zoology	“To study the diversity in marine algae and shells found at coast Barshiv village near Alibaug”	University of Mumbai		1yr	Dr. Ms P.N. Kurve

### 3.2 Presented papers: 08

### Poster : 02

- Principal Dr Ms M.K. Pejaver Presented papers
- 1. On “Conservation of Lakes and Rain Water” 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> Dec. 2009.
- 2. “Monitoring Water Quality for the Development of fisheries in Deharang Reservoir, Panvel , Maharashtra” in 20<sup>th</sup> All India congress of Zoology National seminar on Bio-resources and its Management for food, Livelihood and Environment Security and National Helminthological Congress. on 29<sup>th</sup> - 31<sup>st</sup> December 2009 held at CIFE.
- 3. “Brain, Mind and Consciousness-an evolutionary approach” in International Seminar on “Brain, Mind and Consciousness” conducted by Joshi Bedekar College on 14 -15 Jan.2010.
- Dr. R. P. Athalye Presented a paper “Effect of Anthropogenic activities on Phytoplankton diversity of Vaitarna river near Ghodmal, Tal.-Vada, Thane” in UGC sponsored National Conference on “Climate Change and Challenges in Biodiversity conservation” organized by Fergusson College , Pune 11- 12 Dec 2009.
- Dr. V. D. Manjaramkar presented a poster in National Symposium held at Institute Of Sc.,Mumbai.
- Ms. Ashwini Apte presented a paper on ‘Vanilla Cultivation’ in 1<sup>st</sup> preparatory workshop of the conference on Orchid: Genetic diversity, conservation & Commercialization conducted by Botany Dept.
- Dr. Mrs. Anita S.Goswami-Giri and Neha A sawant presented a paper on "Endogenous inhibitor of onion leaves PPO." -Org (AP-8) This paper was presented in 46<sup>th</sup> Annual Convention of Chemists & International Conference on

Recent Research Trends in Chemical Sciences at VIT University, Vellore 2009.

- Sindhu V Tayade, Poornima S.Gaikwad, Ashawini A .Pawar and Anita Goswami-Giri (2009), presented a paper (poster) on "Cyclic compound from Solanum Xanthocarpum L and Argemopne mexicana L." Org-(P.P-03). This paper was poster presented in 46<sup>th</sup> Annual Convention of Chemists & International Conference on Recent Research Trends in Chemical Sciences at VIT University , Vellore .
- Dr. Moses J. Kolet presented a research paper "Studies on the biodiversity of endophytes from two grasses of Mumbai region in western India." in oral paper presentation session at the UGC sponsored 3 day National Seminar on "Fungal Biotechnology" organized by Department of Botany, Mithibai College, Mumbai in association with The Mycological Society of India (Mumbai unit) under the aegis of University of Mumbai on 7<sup>th</sup> -9<sup>th</sup> January 2010.
- Dr. Moses J. Kolet presented poster on "Orchid Genetic Diversity & Fungal Entophytes: A brief review" with Snehal Sonparate in National Conference on Orchid: Genetic diversity, conservation & Commercialization conducted by Botany Dept.

### 3.3 ***Research papers published: In 1) Journals: 18, 2) Poceeding:11***

Sr.No.

Name of the Paper and Reference

#### ***Department of Zoology***

***Dr. M. K. Pejaver***

- J1 'Study of Diversity of Insect Fauna from the household Biocompost ', Bionanofrontier, vol. 3 (1), 2010, pp 67-70.
- P1 'Effect of Urbanization on Algal Biodiversity', Proceedings of UGC sponsored National conference on Climate change and Challenges in Biodiversity Conservation, 2009, pp 136-141.
- P2 "Brain, Mind and Consciousness-an evolutionary approach." Proceedings of the International seminar on Mind, Brain and Consciousness 2010 pp 139-141

***Mr.S. D. Rathod and Dr N. N. Patil***

- J2 "Assessment of some hydrological parameters of Ulhas River Estuary, in the vicinity of Thane city, Maharashtra State". J. Aqua.Biol. volume 24, 2009 ,pp103-108.
- J3 "Feeding habits of boleopthalmus dussumieri (Cuv. & Val.) from Ulhas River Estuary near Thane city, Maharashtra State." J. Aqua..Biol.vol. 24, 2009 pp 153-159.

***Dr R.P. Athalye***

- P3 “Effect of Anthropogenic activities on Phytoplankton diversity of Vaitarna river near Ghodmal, Tal.-Vada, Thane” . Shilpa Patil and R. P. Athalye. Proceedings of UGC sponsored National Conference on “Climate Change and Challenges in Biodiversity conservation” organized by Fergusson College , Pune 11- 12 Dec 2009. pp 163- 168
- J4 “Study of the Jump of click beetles ( Coleoptera: Elateridae )” . Amol Patwardhan and R. P. Athalye. Bionano Frontier Vol. 3 (1) 1010. pp 71-73.
- J5 “Threats to the Mangroves of Thane Creek and Ulhas River Estuary, India” M.U. Borkar, G. Quadros, R. P. Athalye. Journal of Coastal Development. Vol. 11. Number 1, October 2007.( Received in August 2009) pp49-57

***Department of Botany***

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

- J6 “Cottonia peduncularis – An interesting Orchid from the Sahyadri region.”Int. J. Mendel, 26(1-4): 57-58. (2009). With Surve, S. N
- J7 “The Ethano- Medicinal use of Orchids by the Warli Tribe of the Thane District – Maharashtra”Int.J.Mendel,Vol.26(1-4)pp53-54,2009
- P4 “Palynological observations under SEM of some corticolous Orchids from the Western Ghats “Proc. National Conference on Orchid genetic diversity: Conservation & Commercialization ,2009, 85-88 with Surve, S. N
- P5 “Use of Orchids by indigenous people of Sahyadri region; ethno medicinal approach” Proc. National Conference on Orchid genetic diversity: Conservation and Commercialization,2010,pp165-176
- P6 “Cultivation and Commercial aspects of Orchids with emphasis on Vanilla” with Ashwini Apte, Proc. National Conference on Orchid genetic diversity: Conservation and Commercialization, pp150-155
- P7 “Some observations on the pollinia of the three species of corticolous Orchids of the genus Aeries Lour under SEM.” Proc. National Conference on Orchid genetic diversity: Conservation and Commercialization,pp150-155
- P8 “Introduction of Orchids” with Sameer Surve. Proc. National Conference on Orchid genetic diversity: Conservation and Commercialization,pp 127-138

***Ms. Saha, M.***

- J8 “Phytoremediation of heavy metals from industrial effluents by free and immobilized plant biomass.” Bionano Frontier, 2(2): 84-86 along with Marathe M.V. and (2009)

- J9 “Antimicrobial activity of leaf extracts of *Codiaeum variegatum* (L.) Blume. Advances in pharmacology and toxicology,” 11(1) Bhot M., Saha M., Phatak A. and Chandra N. (2010)pp1-7

- J10 “ In Vitro Propagation of *Carica papaya* L.cv. Redlady from shoot apex and node explants” Bionano Frontier Vol.3(1)2010 pp1-2

***Dr. V. M. Jamdhade***

- J11 “In Vitro Rapid Multiplication Of *Glycerrhiza glabra* L.”Biosci. Biotech. Res. Comm”.with Pandhure Vol. (20 no. June 2009,pp 96-98
- J12 “Studies On Fungi Responcible For Biodegradation And Humification Of Organic Matter” with Umesh kakde. Bionano Frontier Vol 2(2) 2009, pp78-81
- J13 “Antimicrobial and Cytotoxic Activity of *Streptomyces* sp. From Lonar lake with Kiran Kharat et. Al. Bionano Frontier Vol2(2)2009 pp 48-50

***Ms.Raut, S.V***

- P9 “Orchids of Medicinal Importance”. Proc. National Conference on Orchid genetic diversity: Conservation and Commercialization, 2009,pp 40-43.
- P10 “Hybrids of Orchid.” Proc. National Conference on Orchid genetic diversity: Conservation and Commercialization,2009, pp75-80.

***Department of Bio- Technology***

***Ms. Ashwini Apte***

- P11 “Cultivation & Commercial aspects of Orchids with emphasis on “Vanilla”Proceedings of two day Conference ‘on Orchid: Genetic diversity, conservation & Commercialization conducted by Botany Dept.2010, pp 122-125

***Department of Chemistry***

***Dr. M. V. Ratnam***

- J14 “Density, Viscosity, and Speed of Sound Of Binary Liquid Mixtures Of Methyl Benzoate with Cyclohexane, Heptane and Octane at (303.15, 308.15and313.15) K” with Mankumare, Sharad; Kumar, Manpragda. Journal Of Chemical Engg.2010,pp a-e
- J15 “Physical Properties of Binary Mixtures of Ethyl Formate with Benzene, Isopropyl benzene, Isobutyl Benzene, and Butyl benzene” at (303.15,308.15, and313.15)K with Kirti Jain andManapragada S. S. Kumar. Journal of Chemical Engg.2010 pp a-e(Received in 2010)

- J16 "Ion Exchange resin catalyzed synthesis of substituted- 4- methyl-3-(substituted phenoxy) coumarins"(Accepted for Asian Journal Of Chemistry.Vol.22,2010 )

**Dr. Anita S. Goswami-Giri**

- J17 "A Novel technique of alkaloids extraction from Solanum xanthocarpum leaves." Bionano Frontier Vol2(2) PP.128-130. with Sindhu V. Tayade( 2009)
- J18 "Isolation,purification and charactrisation of catecholase from Solanum melangena." Bionano Frontier NOVol. 3 (1), pp31-35.2010

**3.4 Abstracts: 03**

❖ **Dr.(Mrs.) M.K. Pejaver**

"Monitoring water quality for the development of Fisheries in Deharang Reservoir, Panvel, Maharashtra" in All India Congress of Zoology 2009,pp 138-139

❖ **Dr.(Mrs.) Anita Goswami-Giri**

1. "Endogenous inhibitor of Onion leaves PPO," with Neha Sawant. Proc. Annual Convention of Chemists and International Conference on Recent Research Trends in Chemical Sciences, 2009pp-C3
2. "Cyclic Compound from Solanum xanthocarpum L. and Argemone mexicana L." with Sindhu Tayade et.al. Proc. Annual Convention of Chemists and International Conference on Recent Research Trends in Chemical Sciences, 2009 pp-C35

- 3.5 Consultancy: Mrs. M. J. Gholba** worked as Statistical Analyst (honorary) for the project "Shikshan Abhiyan-conditions of T.M.C. schools"

**3.6 Other Articles/Radio Talks:**

**Prin Dr.(Ms) M. K. Pejaver**

1. 'Mazi Ghadan - Mazi Karmabhumi', An article written in souvenir of Dr. Bedekar Vidya Mandir, as being published for the Golden Jubilee function, being alumni of the school.
2. Was invited to Deliver talk on Aakashwani in Parisar on 15,16,17,18 November 2009 on the topic " Aapli Tali "

### 3.7 *Science Square activity:(Mini Research Project)*

We have completed five successful years of our Project “Science Square” and again we find our students participating with renewed vigor into a number of science projects for various competitions and seminars. We have undertaken this task and are continuing with the same, wherein, our students take up different projects and successfully complete the same. Finally, we present these projects in the form of a report.

In year 2009-10, students submitted as many as 19 projects from different disciplines viz. Botany, Zoology, Chemistry, Biotechnology, Microbiology and Foundation Course.

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

*The projects for 2009-10 are as follows:*

Sr. No.	Name of the project	Class	Subject
1	Human Impact on Biodiversity	SYBSc	Zoology
2	Biological Response to temperature Changes.	SYBSc.	Zoology
3	Effect of Anthropogenic activities on Phytoplankton Diversity of Vaitarna river near Ghodmal, Tal.-Vada, Thane	Ph.D	Zoology
4	Slums in Mumbai	SYBSc.	Foundation Course
5	Alcohol production from various carbohydrate waste.	SYBSc	Biotech & Micro
6	Biosorption of acidic & basic dyes using ground nut shell.	FYBSc	Biotech & Micro
7	Study of antimicrobial properties of ‘Cynodon dactylon’	FYBSc	Biotech & Micro
8	Phytochemical Analysis of Orchid.	SYBSc	Biotech & Micro
9	Ethnomedicinal knowledge of Wada, Thane, Maharashtra.	SYBSc	Biotech & Micro
10	. Cross Cultural Ethnobotanical Study of Raigad & Thane District	SYBSc	Biotech & Micro
11	Plant Tissue Culture (Organogenesis) of Rhizophora Species (callus induction)	SYBSc	Biotech & Micro
12	Chemical investigations from Lantana species	SYBSc	Chemistry
13	Introduction of Orchids	PhD	Botany
14	Welcome to the world of orchid mimicry	PhD	Botany
15	Fungal diseases in orchids		Botany
16	Use of orchids by indigenous people of Sahyadri region; Ethnomedicinal Approach.	Ph.D	Botany
17	Jewel Orchid A true gem among the orchids	Ph.D	Botany
18	Hypotonic technology for commercial orchid cultivation	SYBSc.	Botany
19	Orchid insect pests and their management	SYBSc.	Botany

### 3.8 College school complex :

Last year's theme is continued for this academic year, for children science congress and the theme is "Planet Earth: Our Home Explore, Care & Share" and sub themes are Atmosphere, Weather & Climate, Sky and air pollution, Energy , Lithosphere L Soil, Land and Agriculture, Biodiversity , Hydrosphere-Water & Wetlands , Human Influence on Environment .

Following schools approached our college for guidance:

Sr.No.	Name of the School	Topic
1	Peoples' Education Society English medium school Thane- East .	Mangrove vegetation, Thane (East)
2	Mangala Hindi High school Thane East	Comparative study --Soil analysis
3	Shrirang Vidyalyaya Thane (West)	1 Biodiversity of live edges and hedges 2.Riparian vegetation
4	St.Lawrence School, Thane(West)	1.Coral Ecosystem

All projects are selected for district level project presentation.

### NCC activities:

Sr.No.	Activity	Place	Date	Participation
1	National Integration Camp	Itanagar, Arunachal Pradesh	1-12 June, 2009	4 Cadets
2	State Level Shooting Competition	Amaravati, Maharashtra	29 Jun- 6July, 2009	1 Cadet
3	State Level TSC1	Nashik, Maharashtra	15-24 June, 2009	3 Cadets
4	State Level TSC2	Nashik, Maharashtra	1- 10 July, 2009	1 Cadet
5	State Level TSC3	Nashik, Maharashtra	16- 26 July, 2009	1 Cadet
6	State Level Army Attachment	Kamptee, Nagpur	31 Aug- 15 Sept 09	6 Cadets
7	Commanding Officers visit	Thane	10 Sept,2009	All Cadets
8	Annual Training Camp1	Mumbai	12- 22 Sept, 2009	11 Cadets+officer
9	Annual Training Camp2	Mumbai	5-14 Oct, 2009	7 Cadets
10	Annual Training Camp 3	Mumbai	21-30 Oct, 2009	9 Cadets
11	Annual Training Camp 4	Mumbai	31 Oct- 9Nov, 2009	10 Cadets
12	Pulse Polio Programme	Thane	8-14 Nov, 2009	2 Cadets
13	Yoga Training	College		All Cadets
14	National Integration Camp	Chitrakoot, M.P.	2-13 Dec, 2009	3 Cadets

### **3.9 NSS Activities:**

Our NSS students volunteers participated in various University Level, Area based and College level activities.

#### **University Level Activities:**

1. 10<sup>th</sup> – 11<sup>th</sup> July: Seminar on Vasundhara Bachao was arranged by NSS Cell, University of Mumbai at Gadakari Rangayatan, Thane.
2. 12<sup>th</sup> Aug. 09: Yuvak Melava at Civil Hospital, Thane.
3. 1<sup>st</sup> Oct. 09: AIDS Awareness Rally arranged at Civil Hospital, Thane.
4. 2<sup>nd</sup> Oct. 09: Gandhi Peace March – The rally held on International Day of Non – Violence at Azad Maidan, Churchgate, by NSS cell, University of Mumbai in association with Sarvodaya Mandal, Ghatkopar.
5. 15<sup>th</sup> Oct. 09: Peace Rally was conducted at Somaiya College, Vidya Vihar by NSS Cell, University of Mumbai.

#### **Area based activities:**

1. From 14<sup>th</sup> June 2009 to 20<sup>th</sup> Nov.09 :Saplings preparation and post plantation care activities conducted through trekking at Kasarvadavali and Kajupada,Ghodbunder,Thane was conducted on every Sundays in association with Hariyali, Thane.
2. On 20<sup>th</sup> Sept. 09 &27<sup>th</sup> Sept. 09: Watershed development project studied at Bhavale Lonad forest at Bhiwandi in association with Hariyali.

#### **College Level Activities:**

1. Blood donation camp was arranged in association with Rotary Club of Kanjurmarg in the college campus on 15<sup>th</sup> Sept. 09and 48 Bottles of Blood collected Blood donated to J.J.Hospital, Mumbai..
2. Celebration of NSS DAY was arranged at Patanjali Auditorium in the college on24<sup>th</sup> Sept. 09. Dr. (Mrs.) Bhavana Motwani from CHM College, Ulhasnagar conducted Personality Development Workshop and NSS Rally was also arranged in college campus.
3. From 23<sup>rd</sup> Oct. to 25<sup>th</sup> Oct.2009: seminar was arranged on Gender Equality by Akshara in the college.



4. On 29<sup>th</sup> Oct. 09: Pathways of Excellence seminar and on 9<sup>th</sup> Nov. 09: Exposure Rally was arranged by Akshara at Govandi.
5. On 15<sup>th</sup> Nov. 09 Seminar on “Life Reborn” – Dwij Puraskar by Dr. Anand Nadkarni was arranged at Gadkari Auditorium, Thane.
6. Special Residential Camp was arranged at Waphe nursery, Shahapur, Asangaon from 25<sup>th</sup> Dec.09 to 31<sup>st</sup> Dec. 09 During this camp development of Butterfly Garden was undertaken.

Jointly in association with Maharashtra Andhashraddha Nirmoolan Samiti & National AIDS Control Organization (NACO), Thane, NSS organized 1) Inter Collegiate Workshop on “Scientific Point of View & Youth” and 2) AIDS Awareness Workshop by Dr. Aasha Hedge, Programme Officer, Thane (NACO) on 16<sup>th</sup> January 2010. Around 245 students from various colleges participated in workshop.

**3.10 Community/ Social service- given by Students and faculty**

- The amount earned by I.T. students while helping the college for Online Admissions, was donated to ‘Balika Bhavan’, an NGO working for Orphan Girls.
- Our S.Y.B.Sc (MS group) students are rendering their services to “Sobati” the centre of Disabled children.
- Mrs. M. J. Gholba is working on project of “Solid Waste Management” run by Samarth Bharat Vyaspith in association with T.M.C.

**3.11** Yoga Classes: Yoga Club organizes yoga classes for students, teachers and non-teaching staff of V.P.M. Institutes, with the support from Shri Ambika Yoga Kutir, Thane. This year we conducted classes in 4 batches for Jr.College, Dr. College and NCC cadets from 1<sup>st</sup> July 2009. 119 students including 80 girls completed the yoga course.

**Criterion IV - Infrastructure and learning resources**

**4.1 Books added in the library: Total 1009**

<b>Subject</b>	<b>Number Of Books</b>
Physics	159
Chemistry	153
Mathematics	96
Statistics	32
Botany	56
Zoology	97
Information Technology	138
Computer Science	114
Biotechnology	51
Microbiology	41
Foundation Course	23
Fictions and general reference	49
Total	1009

**4.2 Number of computers added:**

One Laptop

15 Thin Client and a Server Machine

Also License Copy of Symantec Antivirus software

#### 4.3 Number of new equipments purchased:

Sr. No.	Department	Equipment Purchased	Cost in Rs.
1	Chemistry	Reverse Osmosis Unit ( Five stage water purification unit )	16,875
2		Densitometer	1,16,000
3	Bio-Technology	Hot Air Oven	46,243
4		Incubator	45,871
5		Spectrophotometer	72,500
6	Mathematics	DeskJet printer	3,000
7	Physics	25MHz CRO-Caddo 803	20,900
8		Analog Lab ST2612	12,100
9		Low Distortion Audio Single generator 4036	6,850
10		Power Supply for Digital boards, single power supply 0-30V etc	11,000
11		Amplifier, Multimeter, Ammeter and capacitance bridge	10,150

#### 4.4 New laboratories constructed/ renovated:

- Well equipped laboratory is constructed for Microbiology Department including
  - Four rooms for Head, non teaching staff, preparation and library
  - Library cum seminar room has 10 computers with Net connectivity and has a capacity of 30 students.
  - Two-intercom connection.
- Chemistry Research laboratory for Organic and Physical is renovated. It has
  - Capacity of 20 students
  - Eye wash facility,
  - room for teachers
  - Discussion room
  - Two intercom connection
- Organic Chemistry M. Sc. Laboratory is renovated. It has
  - Capacity of 20 students
  - Teachers room
  - Preparation room
  - Acid digestion chamber
  - intercom connection

4. Telecommunication Laboratory of I. T. Department is renovated and converted into computer laboratory. (Second). Provisions are

- 24 Computers.
- Separate space for library cupboards
- Separate space for librarian of Departmental Library.

5. Separate room for Gymnasium is developed in Gymkhana. It is well equipped with

Serial No.	Equipment And Description	Amount In Rs.
1	Lat Pulley (150LBS 7.5 Kg.)	37000
2	Preacher Curl ( Bench)	15000
3	Ab Board with stand	15000
4	Rods(17feet )	34000
5	Plates(22)	15750
6	Dumbbells(10)	6500
Total		123250

- 10 x 5 Feet mirror is installed.

**4.5 High-Tech Security system at the entrance of Library is installed.**

**4.6 Technological Development At Campus**

- VPM, our Management has installed Express feeder in order to avoid the risk of power failure.
- 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.
- To have online communication between all institutes belonging to VPM, Calendar, Notice board are made available on our intranet server.
- For each teaching and administrative staff, Webmail ids are created.
- Digital repository scheme is initialized to store very important data in E-format, which is feasibly accessible from anywhere.
- In order to facilitate video conferencing of ongoing auditorium programs on campus, polycom video conferencing system is activated.
- To monitor entry Goods and certain campus areas, CCTV's are installed on campus which is controlled through our server room.
- Library of Bedekar College and certain sections of campus have implemented Access control using barcode system.

**Criterion V**

**5.1 Students' strength:**

**University of Mumbai**

Class	Aided			Unaided			Total		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
F.Y.B.Sc.	177	130	307	87	102	189	264	232	559
S.Y.B.Sc	68	78	146	70	102	244	138	180	318
T.Y.B.Sc	102	100	202	85	61	146	187	161	348
M.Sc I	1	9	10	9	10	19	10	19	29
M.Sc II	4	6	10	9	8	17	13	14	27
Total	352	323	675	440	283	723	612	606	1218

**YCMOU**

Course	Male	Female	Total
B.L.I.Sc	18	22	40
M.L.I.Sc	08	17	25
Diploma in Journalism	15	06	21
Total	41	45	86

**5.2 New Enrollment for Ph.D.: 02**

Subject : Zoology Guide : Dr. (Ms) M. K. Pejaver : One student

Dr. R.P. Athalye : One student

**5.3 Results: 1) University of Mumbai**

<i>Class</i>	<i>Passing Percentage</i>
F.Y.B.Sc.	64.92 (75.74)*
F.Y.B.Sc. (I.T.)	95.62
S.Y.B.Sc.	93.47 (98.26)*
S.Y.B.Sc. (I.T.)	98.29
T.Y.B.Sc.	82.17
T.Y.B.Sc. (I.T.)	70.14
M. Sc. (Chemistry)	100.00
M.Sc. (I.T.) Part - I	70.58
M.Sc. (I.T.) Part – II	76.92

\*passing percentage with A.T.K.T.

**2)YCMOU**

<i>Class</i>	<i>Passing Percentage</i>
B.L.I. Sc	60
M.L.I. Sc	42.85
Diploma in Journalism	77.00

**5.4 Scholarships and Free ships**

Sr. No.	Scholarship/Freeship	No.Of Students	Sanctioned Amt.In Rs.	Amt.Rec'd. Through Ad Hoc Amt.In Rs
1	Scholarship	151	16,17,413	9,25,000
2	Freeship	225	20,45,477	18,000
Total		376	36,62,890	9,43,000

Book Bank facility: Books are given to

- 1) 20 students from central library
- 2) 353 students from I.T. Library.

**5.5 Students' achievements and awards**

➤ **Academics:**

1. Ms Minakshi Gurav, (Zoology) a student of Dr Ms M.K. Pejaver was awarded Ph. D. degree in June 2009 by Mumbai University.
2. Ms Gayatri Sagade (Zoology) a student of Dr Ms M.K. Pejaver was awarded M.Sc by Research degree in April 2009 by Mumbai University.

➤ **Paper and Poster Presentation:**

1. Ms. Sanghamitra R. Matil- PhD. Student (Dept of Botany) received first Prize in oral presentation entitled “Jewel Orchid... A True Gem among the Orchids” in UGC Sponsored Two Day National Conference on Orchid genetic diversity: Conservation & Commercialization organized by Department of Botany, VPM’s B. N. Bandodkar College of Science, Thane
  2. Kute,S., Sawant,S., Pawade, N., Dokhe,K., Oak, G. and Nyahale, A. got 1<sup>st</sup> Prize in poster presentation entitled “Economic importance of Vanilla Orchid” in UGC Sponsored Two Day National Conference on Orchid genetic diversity: Conservation & Commercialization organized by Department of Botany, VPM’s B. N. Bandodkar College of Science, Thane.
- Our students participated in intercollegiate competition held at NES Ratnam college, Bhandup on 26<sup>th</sup> Sept. 2009.
1. Ms Devyani Bakre and Prajakta Jain (S.Y.B.Sc) won 1<sup>st</sup> prize in poster competition. Her topic was“Swine Flu”.
  2. Mr Ameya Pawar and Ms Priyanka Pagare(S.Y.B.Sc) won 3<sup>rd</sup> prize in poster competition. Topic was “Ground Water Management”.
  3. Ms Sonal Bagave,Ms Dipali Patil ,MsRehmat Pandhare won 3<sup>rd</sup> prize in poster competition. Topic was SCID Gene Therapy.
- Our students also participated in intercollegiate poster competition held at Khalsa College, on 31<sup>st</sup> Oct. 2009. Ms Ruchita Surve and Deepali Patil (F.Y.B.Sc) won 2<sup>nd</sup> prize in poster presentation.. Topic was “Wealth from waste”

➤ **Sports:**

<b>Sr. No.</b>	<b>Name</b>	<b>Tournament / Competition</b>	<b>Medal</b>	<b>Organized by</b>
1	Mr.Nikhil Suvarna	Judo	Silver for state level	Zilla Parishad
2	Miss Gayatri Badermana	Judo	Silver for state level	Zilla Parishad
3	Miss. Srushti Jagendra Koli	Swimming Breast Stroke.	4 <sup>th</sup> position for state level	Zilla Parishad
4	Mr.Aditya Rawool	Yoga	Silver in Mumbai Division, Selected for State Level	Zilla Parishad
5	Mr.Mauresh Pradhan & Mr. Sidhesh Kadam	Tae Kwon Do	Gold Thane District Level Bronze Mumbai Division	Zilla Parishad
6	Mr. Pushkar Ganoo	Athletics Long Jump	Silver 3 <sup>rd</sup> position in Thane Dist.	Zilla Parishad
7	Miss Apoorva Borde	Sikai Marshal Art	4 <sup>th</sup> position in Thane District	Zilla Parishad

➤ **Cultural:**

Students' participation in inter collegiate events: about 20 students from our college participated in intercollegiate competitions organised by Mumbai University as part of Youth Festival at Adarsh College, Badlapur

- Mr.Krunal Bhosale from S.Y.B.Sc. won
  1. Third Prize in Mono Acting Competition at Adarsh College, Badlapur .
  2. First prize in mono acting in intercollegiate competition festival "Vibes" organised by K.J.Somaya College, Ghatkoer.
  3. Consolation prize in mono acting Zep 2009 conducted by Ratnam College.
  4. First prize in "Talk till 60 Ticks" English extempore competition in SIES College, N
- Mr.Siddheshwar Koli won 1)Second Prize in Candal Carving and 2) Second Prize in Canvas Painting competition in SIES College, Nerul.

Our students participated in competition festival "Dimension" organised by Kelkar college, Mulund Following students bagged the prizes.

- Mr.Krunal Bhosale from S.Y.B.Sc. won First prize in Gazal competition.
- Kedar Kale Secured first prize in press conference, Best Celebrity
- Shalaka Deshpande secured 3<sup>rd</sup> prize in instrumental
- Swapnil Vichare and Sheetal Sakpal won the second prize in instrumental
- Miss. Shalaka Deshpande and Mr. Vinit Kunte won the first prize in Bio-Quiz
- Ms. Shruti Shrotri won the 1<sup>st</sup> prize in painting competition at Ruia College

➤ **Literary:**

Students' participation in inter collegiate events: Eight students participated in various intercollegiate Essay/ Elocution / Poetry recitation competitions.

- Diksha.R.Kharat received Consolation Prize in Vikalpavedh Intercollegiate Essay Competition held on 16<sup>th</sup> Oct 2009.
- Rupesh.M.Gogawale won the first prize in the Poetry Recitation Competition held at N.E.S's Ratnam College of Arts Commerce and Science Bhandup on 19<sup>th</sup> Nov. 2009.



#### **5.4 Events organized by college:**

##### **1) Cultural**

- The inaugural function of the activities of Cultural Association for the academic year 2008-2009 was organised on 30<sup>th</sup> July 2009. The chief guest for the function was Prof. Ashok Bagwe, a well known Marathi poet.
- A special programme on Marathi Poetry “Shravan-sari” was organised by the students. In this programme, students as well as teaching and non teaching staff presented their poems. 250 students attended this programme.
- Friendship Day was celebrated on 3<sup>rd</sup> August 2009 in different way. There was direct interaction between teachers and students on different issues
- A Light Vocal Singing competition for college students was conducted on 17<sup>th</sup> September 2009. Mr. Nikhil Bhoir from F.Y.B.Sc. won the first prize. The judges for this competition were Mrs. Kirti Aagashe and Ms. Indumati Pethe.
- On 15<sup>th</sup> December 2009 a highly motivating and inspiring speech was given by Prof. Pravin Davane a well known Marathi Poet and Writer on Youth Day.
- This year students had selected “Global Warming” as main theme for Aakanksha. A power point presentation by Dr. Sanjay Joshi from Biology Department of our college was organised on Global Warming on Animal Welfare Day.
- 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 on 21,22,and23rd December2009. Akanksha was formally inaugurated by Mrs. Meghana Joshi, who is script writer and is working as Assistant Director for Marathi Serials and Films.
- Mr. Sourabh Sohoni from S.Y.J.C. was selected as “Mr. Bandodkar” where as Miss. Gretta D'Souza from T.Y.B.Sc. I.T. was selected as “Miss Bandodkar” in personality contest. Mrs. Meghana Joshi was the judge for this event.

### ***Literary Association***

Activities conducted during the year ( event wise )

#### **• On Campus**

Sr. No	Name of the Competition	Date	Number of students participated
1	Essay Competition	09/09/2009	37
2	Story and Poetry Writing	19/09/2009	25
3	Elocution and Debate	29/09/2009	31
4	Quiz Written	18/11/2009	52

### ***Sports***

Indoor Activities were conducted from 27<sup>th</sup> November 2009 to 5<sup>th</sup> January 2010. Annual Sports Meet was organized on 21<sup>st</sup> December 2009 on college ground. Students participated in various events. The Prize distribution ceremony was organized on 18<sup>th</sup> Jan 2010.

General Championship were awarded to the following Students

Students Name	Junior / Degree College
Kale Nishant Vilas and Yadav Shivshankar Rajnarayan	Degree College
Ganoo Pushkar Mahendra	Junior College
Miss Gosavi Madhuja V.	Degree College & Junior College Girls

***Magazine committee:*** This year due to teachers' strike, some of the activities like poster presentation were cancelled. On 18 January 2010, the magazine "Sanyuja" was published, with reports of various committees, many articles, and poems in Marathi, Hindi and English. Dr. B.B. Sharma I/C Principal, Vaze Kelkar College was chief guest.

***Sahitya Sahavas:*** On 7<sup>th</sup> Oct. "Poetry Recitation" programme was arranged in which around 15 students and teachers and non teaching staff recited their own poems. Around 75 students enjoyed this programme.

### ***Alumni association (Anubandh)***

1. A get together of the past students of B.N.Bandodkar college was organized by the Alumni Association of the college on Tuesday 8 December 2009, in the Thorle Bajirao Peshwe Sabhagriha. A well-known surgeon and our past student Dr. Milind Vaidya was the chief guest. Dr Milind Vaidya talked about nuro surgery.

2. Alumni – meet of 1984 batch students was arranged on 25 December 2009 in Pantanjali Sabhagruha to celebrate Silver – Jubilee of graduation year. Mr. Girish Tilve, Mr. Nitin Shinde, Mr. Sunder organized this meet. Forty five students actively participated in this meet. Mr Mayuresh Dhond and Ms. Alpana (from USA) were online on video for the interaction throughout the programme. From this group of students a donation of Rs. 40,000/- 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.

***Women Development Cell.(WDC)***

As part of the Women Development Cell, a lecture was organized on 19 Dec. 2009, where in Mrs. Mangala Ramesh Padhye, who is an active member of ‘Stree Mukti Sangathan’, was invited as the chief guest. In her Power Point Presentation Mrs. Padhye showed various study results based on the census reports emphasizing more on the men to women ratio, the literacy rate, mortality rate, family violence, etc. among women in India.

***Criterion VI***

***6.1 Management Support***

Our Management reimbursed the registration fees and travel expenses of attending seminar and presenting papers to Dr. R.P. Athalye and Dr M.Saha.

***6.2 Support from the Principal***

This Year our non-teaching staff Mr. Mahashabde was felicitated by giving memento and the certificate on his retirement.

Seventeen teachers were deputed for Seminar “Mind, Brain and Consciousness” arranged by Joshi Bedekar College Of Science.

- 6.3 Staff Academy organized farewell to Mr. V.D. Golatkar HOD of physics department on 30 November 2009

***Criterion VII                      Innovative practices***

- 7.1**
- Department of Chemistry: All the students of Degree College were supplied Safety Goggles , Mask and Gloves along with the Laboratory Journals.
  - Solid waste management: We have started "First Step towards Zero Garbage Institute" programme from Sept. 2009. Two dustbins are kept at various places in the college with marking "WET Garbage" and "DRY Garbage" and we have oriented all staff members about segregation of waste. Dry garbage is again sorted and given for recycling processes. The bio-compost bin is constructed for conversion of wet garbage into compost.
  - "Global Warming" was our theme for our annual socials programmes
  - Our IT students decided to spread the message of "Save Energy and Conserve water" among the students for which they visited each class to orient students.
  - National Conference on "Intelligent System" from 26 Nov. to 27 Nov.2010 is announced. Our I.T. Department is arranging this Conference.

## ***Departmental activities***

### ***8.1 Department of Zoology***

Attended Seminars/ Workshops/ Conferences

➤ ***Prin Dr Ms M.K. Pejaver***

1. First preparatory workshop on “Orchid Genetic Diversity: Conservation and Commercialization” conducted by B.N.Bandodkar College of Science, Thane on 8<sup>th</sup> Aug., 2009.
2. Second preparatory workshop on “Orchid Genetic Diversity: Conservation and Commercialization” conducted by B.N.Bandodkar College of Science, Thane on 19<sup>th</sup> Sept., 2009.
3. First preparatory workshop of the International Seminar on “Mind, Brain and Consciousness” conducted by the Research Institute of the Philosophy Department of K.G.Joshi and N.G.Bedekar College of Arts and Commerce on 31<sup>st</sup> Oct., 2009.
4. International Conference on “Recent Advances in Environmental Biotechnology” organized by Birla College, Kalyan, on 14<sup>th</sup> - 15<sup>th</sup> Nov. 2009.
5. “National Conference on Impact of Urbanization on Lake Ecosystem (Causes, consequences and remedial measures) Organized by Vikas Night College of Arts, Science and Commerce, Vikroli. 21 Dec 2009.

➤ ***Dr. R. P. Athalye*** attended

1. International Conference on “Recent Advances in Environmental Biotechnology” Organized by Birla College, Kalyan 14 and 15 Nov. 2009.
2. “National Conference on Impact of Urbanization on Lake Ecosystem (Causes, consequences and remedial measures) Organized by Vikas Night College of Arts, Science and Commerce, Vikroli. 21 Dec 2009.
3. A meeting on “Revision of entomology syllabus, applied component” on 12 Nov 2009. Prin( Ms) M.K. Pejaver, Dr (Ms.) N. N. Patil, Dr R. P. Athalye, and Dr.(Ms) V.D.Manjaramkar attended.
4. A National conference on 11<sup>th</sup> and 12<sup>th</sup> Dec.2009 on “Orchids- Genetic Diversity: Conservation and Commercialization.” organized by B.N.Bandodkar college of Science, Thane.
5. One-day state level Seminar on “Re-engineering of library” arranged by B. N. Bandodkar College, Thane on 27<sup>th</sup> Nov 2009.

- **Dr R. P. Athalye, Dr. (Ms) V.D. Manjaramkar and Dr. Ms P.N. Kurve** attended the workshop on “Revision of Syllabus in Applied Component” on 29<sup>th</sup> June 2009 at B.N.N. college Bhivandi.
- **Dr. (Ms.) N. N. Patil, Dr. (Ms) V.D. Manjaramkar and Dr. (Ms) P.N. Kurve** attended the Workshop in Zoology for S.Y. B. Sc revised syllabus on 10 Sept 2009.
- **Dr R. P. Athalye and Dr. Ms P.N. Kurve** attended UGC sponsored National Conference on “Climate Change and Challenges in Biodiversity Conservation” Organized by Department of Zoology, Fergusson College, Pune. 12 Dec. 2009.
- **Prin(Ms) M.K, Pejaver Dr. (Ms.) N. N. Patil, Dr. (Ms) V. D. Manjaramkar** attended International Seminar on Brain, Mind and Consciousness conducted by Joshi Bedekar College on 14 -15 Jan.2010.

#### ***Club Activities***

##### ***GREEN FORCE NATURE CLUB 2009-2010***

- ❖ A meeting of the Green Force Nature Club, zoology department was held on 8<sup>th</sup> October 09. 2009-2010.
- ❖ Miss Gayatri Oak T.Y.Bsc has been appointed as the inaugural lecture was organized on 10th October, 2010.
- ❖ Miss Gayatri Oak(member of NGO, NYASS TRUST), secretary, Nature club delivered the presentation about the Tiger Projects in India, past & present. She also gave information about the harmful effects of the Coal Mines, which are being established in Tadoba Tiger Project near Chandrapur in Maharashtra.
- ❖ NYASS TRUST conducted a signature Campaign that was held in college to save Tiger of Tadoba.
- ❖ Seven students from TYBSc participated as volunteers in the Panda Festival on 10th and 11th December, 2010 in Maharashtra Nature park at Mahim.
- ❖ Students of TYBSc along with Dr. Mrs.Mahajan and Dr. Mrs. Kurve visited Sewri creek on 17th December to observe migratory birds like Flamingoes.

## 8.2 Department of Botany

➤ **Dr. (Mrs.) M. Saha attended**

1. A workshop on the S.Y.B.Sc. Botany (Revised) syllabus organized by Department of Botany of Wilson College Mumbai and the Board of studies in Botany University of Mumbai on 7<sup>th</sup> July 2009.
2. State level workshop on “Aromatic plants and essential oils” Organized by Department of Botany of Motilal JhunJhunwala College Vashi, Navi Mumbai on 27<sup>th</sup> November 2009.
3. International Conference on “Recent Advances in Environmental Biotechnology” Organized by Department of Botany of Birla College Kalyan on 14<sup>th</sup>-15<sup>th</sup> Nov. 2009.

➤ **Ms. Raut Shraddha V.** attended a Seminar on “Avenues in Biotechnology” Organized by Department of Biotechnology of K.V. Pendarkar College, Dombivili on 5<sup>th</sup> December 2009.

➤ **Dr. Moses J. Kolet.**

1. Workshop on Revised syllabus for S.Y.B.Sc. Botany, University of Mumbai at Wilson college Mumbai on 7<sup>th</sup> July 2009.
  2. Participated in State level Seminar on Re-engineering of Libraries at B.N. Bandodkar College Thane on 27 November 2009.
  3. Participated in 10 day NCC combined ATC/ Group Selection Camp at Military station, Wadala Mumbai from 14 – 23 September 2009.
  4. UGC sponsored 3 day National Seminar on Fungal Biotechnology organized by Department of Botany, Mithibai College, and Mumbai in association with The Mycological Society of India (Mumbai unit) under the aegis of University of Mumbai on 7-9 January 2010.
- All teaching and non teaching staff of Botany Department attended First and Second workshops and National Conference on “Orchid genetic diversity: Conservation & Commercialization”

Date: 1<sup>st</sup> Workshop 8<sup>th</sup> August, 2009

Date: 2<sup>nd</sup> Workshop 19<sup>th</sup> Sept

Dates: National Conference 11<sup>th</sup> -12<sup>th</sup> Dec, 2009

Dr. Mrs. Mulgaonkar, Dr. Jamdhade and Dr. Moses J. Kolet. attended International Seminar on Brain, Mind and Consciousness conducted by Joshi Bedekar College on 14 -15 Jan. 2010.

### 8.3 Department of Physics

- Mr. S.Venketraman, Mr. S.G.Bapat, Mrs. S.S.Meshram attended one day state level Seminar on “Re-engineering of library” at B. N. Bandodkar college, Thane on 27th Nov 2009.
- Mrs. S. S. Meshram: attended Two day National Youth Convention on Reservation for excluded communities, on 5-6<sup>th</sup> Dec 09, At SNDT University, Mumbai.
- Mr. S. G. Bapat attended one day workshop on “Cryogenics and Physics at Low temperature” organized at TIFR on 9<sup>th</sup> July 2009.
- Mr. S. G. Bapat, Mr. N.D.Mandge and Ms. U.D.Gokhe attended one day workshop on revised syllabus S.Y. B.Sc. Physics on 11<sup>th</sup> July 2009. at R.J. College Ghatkoper.
- Dr. M. N. Nyayate, Mr.S. Venketraman, Mr. D. R. Chaudhari and Mrs. S. S. Meshram: attended Two day National Conference on “Orchids- Genetic Diversity: Conservation and Commercialization.” held by Botany Department of our College on 11-12<sup>th</sup> Dec 2009.
- Mr.Mandlekar and Mrs. Meshram attended International Seminar on Brain, Mind and Consciousness conducted by Joshi Bedekar College on 14 -15 Jan.2010.

#### **Club Activity:**

On 15<sup>th</sup> Jan.2010, Dept. arranged Refracting Telescope (Solar filter attached) to view partial solar eclipse. Solar goggles were provided by IUCCA, Pune. The eclipse images were obtained by using pinhole camera in the form of sieve, which was appreciated by all. **Dr. M. N. Nyayate Mr. D. R. Chaudhari and Mr. S. G. Bapat** guided students and other teachers about solar eclipse.

### 8.4 Department of Chemistry

#### ➤ **Dr.U.R.Pandit attended**

1. One day workshop on Revised Syllabus in Physical chemistry for second year , organized at Ruia College by University of Mumbai & Board of Studies on 20 June 2009.
2. One day workshop on Revised Syllabus in organic chemistry for second year organized at Mithibai College by University of Mumbai & Board of Studies on 27<sup>th</sup> June 2009.



- **Dr.U.R.Pandit and Mr.P.G.Bamane** Participated in One day workshop on Revised Syllabus in inorganic chemistry for second year organized at M.D. College by University of Mumbai & Board of Studies on 23<sup>rd</sup> June 2009.
- **Mr.D.R.Ambavadekar and Dr.M.V.Rathnam** Participated in National conference on Advancements in Medical Instrumentation organized by VPM's Polytechnic Thane on 19<sup>th</sup> Sept 2009.
- **Dr.M.V.Rathnam** participated in National conference on "Green Chemistry And Environmental Pollution" organized by P.G. Dept of Chemistry, Ghogrey Sc. College, Dhule, on 16-17 Jan.2010.
- **Mrs. M.P.Akolkar** attended First and Second Workshops and National Seminar preparatory workshop on Orchid Genetic Diversity: conservation & commercialization organized by our Botany Department on 8<sup>th</sup> Aug. and 18<sup>th</sup> Sept. 2009.
- **Mr.V.S.Burkule** attended one day state level Seminar on "Re-engineering of library" at B. N. Bandodkar college, Thane on 27<sup>th</sup> Nov 2009.
- **Dr. Mrs. Goswami-Giri** attended International Seminar on Brain, Mind and Consciousness conducted by Joshi Bedekar College on 14 -15 Jan.2010.

**Club Activity :** Workshop on "Recent trends in inorganic qualitative analysis" was arranged by Urja Club on 1<sup>st</sup> Oct.2009. Interactive session with Dr.R.G.Deshmukh, Principal, Karjat College was enjoyed by all students. He discussed how the analysis can be done without using Hazardous H<sub>2</sub>S gas.

#### 8.5 Department of Mathematics

- Mrs. M. M. Patgaonkar attended the workshop on SYBSc Mathematics Paper-III syllabus on 9<sup>th</sup> July 2009 at CHM College, Ulhasnagar.
- Miss S. G. Agrawal attended the workshop on SYBSc Mathematics Paper-II syllabus on 3<sup>rd</sup> July 2009 at Ruia College, Matunga.
- Mrs. M. M. Patgaonkar and Miss S. G. Agrawal attended International Seminar on Brain, Mind and Consciousness conducted by Joshi Bedekar College on 14 -15 Jan.2010.

**Club Activity :** Mathematics Club 'Siddhant' conducted a guest lecture on 31<sup>st</sup> December 2009 on the topic the "Preparation of CET examinations" The Speaker for the lecture was our past student Mr. Salil Sawarkar

### **8.6 Department of Statistics**

- **Mr. A.P. Patil** attended workshop On SAS ( Statistical Application System ) organized by St. Xavier's College, Mumbai, on Oct.2009
- **Ms. M.J. Gholba** attended
  1. A workshop on "Thane Education 2020" organised by Samarth Bharat Vyasapith on 4<sup>th</sup> Oct 2009.
  2. A state level seminar on 27<sup>th</sup> Nov 2009 on "Reengineering of Libraries" organized by Library Science Department our college.
  3. A National conference on 11<sup>th</sup> and 12<sup>th</sup> Dec.2009 on "Orchids- Genetic Diversity: Conservation and Commercialization" organized by Botany Department our college.
- **Mr. A.P.Patil ,Ms. M.J.Gholba and Mrs. S.M.Phatak** attended International Seminar on Brain, Mind and Consciousness conducted by Joshi Bedekar College on 14-15 Jan.2010.

### **8.7 Department of Information Technology**

- Ms. P. S. Kamble and Ms S. Gholap attended workshop of S.Y.B.Sc. Computer Science Revised syllabus conducted by Jhunjhunwala College, Ghatkopar on August 01, 2009.
- Mr. A. A. Kale attended One Day Workshop on Practicals for M. Sc. (I.T.) Part-II organized by V. G. Vaze College on 11.09.2009.
- Mr. Abhijeet A. Kale, Mrs. K. P. Sujata, Mrs. P. S. Kamble, Mr. S. B. Madhavi and Mrs. S. V. Gholap attended "New Vistas in Research in Physics" conducted in collaboration with BARC on August 22, 2009

#### **Club activities**

1. Conducted Workshop on "Operating System and Networking" in collaboration with Trimax Future Perfect on 1<sup>st</sup> Oct.2009.
2. A lecture regarding Professional Skills Development namely "Sunder Mi Honar" by Dhanshree Lele was arranged on 29 September 2009.
3. Students' of I.T. Club actively participated in management of BARC Seminar,

***Department of Biotechnology/ Microbiology***

- Ms. Rani Singh & Dr. Kalpita Mulye attended workshop on revised syllabus of S.Y. Biotechnology in Khalsa college on 17<sup>th</sup> June 09.
- Ms. Rani Singh & Ms. Yogita Dhuri attended workshop on revised syllabus of S.Y. Biotechnology on 19<sup>th</sup> June 09 at Jhunjhunwala college.
- Dr. Kalpita Mulye & Ms. Yogita Dhuri attended workshop on revised syllabus of S.Y. Microbiology in K.C. college on 13<sup>th</sup> July 09.
- Ms. Rani Singh, Ms. Yogita Dhuri, Dr. Kalpita Mulye, Ms. Jayashree Pawar, Ms. Ashwini Apte, Ms. Sneha Narvekar attended one day seminar on 'Reengineering of Libraries'.
- Ms. Ashwini Apte, Ms. Sneha Narvekar attended two day Conference 'on Orchid: Genetic diversity, conservation & Commercialization conducted by Botany Department.

***Club activities***

- Department had arranged a lecture on 'New horizons abroad' of Dr. Meghana Joshi Coordinator for Skovde university Course on 10 July 2009.
- A Movie club was started with the inaugural movie "Genetics and Evolution" on 14<sup>th</sup> Oct. 2009.

***Library Department:***

Friends of Library Club arranged CD Exhibition on 13 Jan., 2010 in the library. In this exhibition, 69 CDs on educational, general, reference were displayed. Around 100 students and 7 staff members visited this exhibition.

**PERSONALITIES VISITED**

<b>Sr. No.</b>	<b>Name</b>	<b>Date</b>	<b>Purpose of visit</b>	<b>Designation</b>
1	Prof Ashok Bagwe	30/07/09	Inauguration of cultural Association	Retired prof & renowned poet
2	Dr Vij	06/08/09	1 <sup>st</sup> Workshop on Orchids	Secretary, The Orchid Society of India
3	Dr S Banerjee	12/08/09	BARC workshop	Director BARC
4	Dr A K MOhanti	12/08/09	BARC workshop	Sr Scientist, BARC
5	Dr S Bhattacharyya	12/08/09	BARC workshop	Sr Scientist, BARC
6	Dr V M Datar	12/08/09	BARC workshop	Sr Scientist, BARC
7	Mr Jagtap	12/08/09	BARC workshop	Sr Scientist, BARC
8	Mr Sharma R K	12/08/09	BARC workshop	Sr Scientist, BARC
9	Mrs Kirti Agashe	17/09/09	Judge for Light vocal music competition	Lecturer in VPM Polytechnic
10	Ms Indumati Pethe	17/09/09	Judge for Light vocal music competition	Singer
11	Dr Usha Mukundan	19/09/09	Chief Guest for 2 <sup>nd</sup> workshop on orchids	Prin Jhunjhunwala college Ghatkopar
12	Dr Mrs Motwani	24/09/09	NSS Day	Prof CHM college
13	Mr Anis Choudhery	24/09/09	NSS Day	District coordinator NSS
14	Mrs Dhanashree Lele	29/09/09	Inauguration of IT club	
15	Prin. Dr. Ravi Deshmukh	1/10/09	Inauguration of chemistry club Urja	Principal Karjat college
16	Dr Anil Gore	14/11/09	Lecture on Darwin	
17	Prof H C Pradhan	17/11/09	Workshop on intercultural education	Director Homi Bhabha Centre for Science Education
18	Dr Sudhakar Agarkar	17/11/09	Workshop on intercultural education	Prof ,Homi Bhabha Centre for Science Education
19	Mr Aniruddha Joshi	17/11/09	Workshop on intercultural education	Member of VPM
20	Mr Kavathekar	17/11/09	Workshop on intercultural education	Prof Pendharkar college Dombivali
21	Sameer Dudhgaonkar	20/11/09	Career Mela	Britt world Wide India Ltd.
22	Mr Anupam Dondiyal	20/11/09	Career Mela	Director Hotel Management Institute Panvel
23	Prof Mrs Veena Krishnanand	20/11/09	Career Mela	Prin K J Somaiya College of Physiotherapy

Sr. No.	Name	Date	Purpose of visit	Designation
24	Ms Sonal Chinchwadkar	20/11/09	Career Mela	Visiting Faculty Xavier's institute of Mass Media
25	Capt Suresh Vanjari	21/11/09	Career Mela	Capt Vanjari's Academy Chembur
26	Mrs Nisha Vader	21/11/09	Career Mela	HOD Electrical power syst dept Polytechnic
27	Meghana Joshi	21/11/09	Career Mela	Coordinator Skovd University Sweden
28	Mr Nimish Shah	21/11/09	Career Mela	Dhanashree Academy
29	Viju Mane	21/11/09	Career Mela	Theater and film Personality
30	Ms Aditi Railkar	21/11/09	Career Mela	MIDDS Mumbai
31	Ms Radhika lobo	25/11/09	Workshop for NAAC visit	Prof Birla college Kalyan
32	Ms Subhaga Karlekar	25/11/09	Workshop for NAAC visit	Prof Jhunjhunwala college Ghatkopar
33	Sameer Dudhgaonkar	26/11/09	Career oppertunities	Britt world Wide India Ltd.
32	Dr V N Patkar	27/11/09	Seminar on reengineering of libraries	Ex- Professor, ICFAI
33	Mr Kishor Ingale	27/11/09	Seminar on reengineering of libraries	Manager, TCS
34	Dr Rajendra Kumbhar	27/11/09	Seminar on reengineering of libraries	Pune
35	Mr Dahibhate	27/11/09	Seminar on reengineering of libraries	Librarian, NCL, Pune
36	Dr S K Savnoor	27/11/09	Seminar on reengineering of libraries	Lecturer, Dept of Library & Information Science, Joshi Bedekar College, Thane
37	Mr N S barase	27/11/09	Seminar on reengineering of libraries	Librarian Joshi Bedekar college Thane
38	Dr Pratibha Gokhale	27/11/09	Seminar on reengineering of libraries	Reader, Dept of Library & Information Science, University of Mumbai
39	Dr Vij	11/12/09	Inauguration of Conference on Orchids	Secretary, The Orchid Society of India
40	Dr M Sanjappa	11/12/09	Inauguration of Conference on Orchids	Director BSI Kolkata
41	Dr Niranjana Murthy	11/12/09	Resource person at the Conference on Orchid	Department of Botany Karnataka University Dharwad

Sr. No.	Name	Date	Purpose of visit	Designation
42	Dr Satishkumar	11/12/09	Resource person at the Conference on Orchid	Sr Scientist, Tropical Botanical Garden & Research institute, Thiruvananthpuram
43	Dr S Hegade	11/12/09	Resource person at the Conference on Orchid	President, Orchid society of Karnataka,
44	Dr P G Divekar	12/12/09	Guest of Honour for the validictory function of Conference on Orchids	Jt. Director, BSI Pune
45	Prof Pravin Davane	17/12/09	Cultural programme	Prof Dynansadhana college, Poet and writer
46	Mrs Mangala Padhye	19/12/09	WDC Lecture	Retired teacher & Active member of Stri mukt sanghtana
47	Ms Mr Rahul Patil	21/12/09	Judge for Akanksha competetion	Animation expert
48	Mrs Shaila Kanderkar	21/12/09	Judge for Akanksha competetion	Beautician
49	Ms Neha Shah	21/12/09	Judge for Akanksha competetion	Beautician
50	Mr Sushil Kadam	21/12/09	Judge for Akanksha competetion	Makeup man
51	Mr Naresh Megeri	22/12/09	Judge for Akanksha competetion	coriographer
52	Mrs Shaila Kanderkar	22/12/09	Judge for Akanksha competetion	Butician
53	Mrs Neelima Puranik	23/12/09	22/12/09	Music Teacher
54	Mrs Monika Deshpande	23/12/09	Judge for Akanksha competetion	Prof At Joshi Bedekar college
55	Mr Ulhas Nimkar	12/01/10	Chief guest for inauguration of chemistry research lab	CEO Texan lab. Thane.
56	Dr Rita Mulherkar	12/01/10	Chief guest for inauguration of Microbiology lab	Scientific officer ACTREC Tata Memorial center
57	Dr Sharma	18/01/10	Chief guest for prize distribution	Principal Vaze-Kelkar college Mulund
58	Mr Rajesh Gadgil	18/01/10	Chief guest for gymkhana prize distribution	Swimmer and past student of college

***Declaration by the Head of the Institution***

**I certify that the data included in this Post RAR are true to the best of my knowledge.**

**I am aware that the Peer Team will validate the information provided in this report during the Peer Team visit.**

**Signature of the Head of the Institution**

**Date : 10.01.2010**

**Place : B. N. Bandodkar College of Science, Thane**