



Activities Academic Year 2012 – 2013

Sr. No	Date	Department / Committee	Resource Person	Event / Activity
1.	11 June 2012	College	Prin. Dr. (Mrs.) M. K. Pejaver	The inaugural lecture for S.Y.B.Sc. & T.Y.B.Sc aided and unaided courses.
2.	16 June 2012	College	Prin. Dr. (Mrs.) M. K. Pejaver	F.Y.B.Sc. & F.Y.B.Sc. IT
3.	16 June 2012.	Department of Biotechnology & Microbiology	Parents meeting for T. Y. B. Sc. Class.	
4.	27 June 2012	Literary association	Inaugural meeting	
5.	30 June 2012	Department of Biotechnology & Microbiology	Parents meeting for S. Y. B. Sc. class	
6.	June 2012	NCC	Shooting trials for ATC Camp	
7.	2 July 2012	Department of Biotechnology & Microbiology	Dr. Disha Mody	Guest lecture
8.	9 July 2012	College	Prin. Dr. (Mrs.) M. K. Pejaver	M Sc. MSc. IT (Part I) Cluster
9.	13 and 14 July 2012	College	Prin. Dr. (Mrs.) M. K. Pejaver	FYJC
10.	13 July 2012	NSS	Dr.Kiran. Pariya. NSS coordinator	Orientation lecture and planning session
11.	14 July 2012	Journal club	Ms. Rucha Kulkarni, student of S.Y.B.Sc. Biotechnology class and Ms. Anita Rai, student of S.Y.B.Sc. Microbiology	Presentation on job training experience.
12.	20 July 2012	NSS	Mr. Rajendra Koli	Workshop on "Andhashraddha Nirmoolan"
13.	27 July 2012	Statistics Club	Guest lecture	
14.	28 July 2012.	NSS	Ms Andhale, API from Cyber Crime Investigation Cell	Seminar on Cyber safety and awareness in association with Cyber Crime Investigation Cell, Thane Police,



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15.	31 July 2012.	Department of Biotechnology & Microbiology	Dr. Meghana Joshi. HOD, Biotechnology and Microbiology	“Career opportunities after graduation in Microbiology and Biotechnology’
16.	July 2012	NCC	TSC-1 camp	
17.	July 2012	NCC	TSC-2 camp	
18.	1Aug 2012	Cultural Association	Mr.Vinayak Divekar (Actor & Director).	Inauguration
19.	01 August 2012	College	VPM Foundation Day- Tree Plantation	
20.	02 August 2012	College	Dr. Pabrekar N.S.S S.L.O and Dr. Vinda Manjramkar.	1st workshop of D. L. L. E of University of Mumbai
21.	03 August 2012	NSS	Dr. Rita Savla, Director of RADHEE Foundation	Training on FIRST AID in association with RADHEE Foundation
22.	10 August 2012	Department of Biotechnology and Microbiology	Dr.. Ketan Thatte. Assistant Prof. Department of Biotechnology and Microbiology	Presentation of Ph. D. work on the topic ‘Studies in <i>Garcinia indica</i> with reference to genetic diversity and sexual dimorphism’
23.	14 August 2012	Zoology Department	Power Point Presentation Competition.	
24.	15 August 2012	College	Dr. Bedekar	Independence Day
25.	19 August 2012	Hiking/Treking Committee	Trek to Peth Fort, Karjat	
26.	22 August 2012	NSS	Blood Donation Drive	
27.	24 August 2012	Botany Club	Dr. Siddhivinayak S. Barve, Head, department of Botany, Vaze Kelkar College, Mulund	Inauguration of Botany Club ‘Srishti’
28.	29 August 2012		Bhaves A. Dhanecha, Director, Multicare Distribution and Marketing Pvt. Ltd.	Seminar on “Brain Intelligence Test Awareness”
29.	30 Aug 2012	Cultural Association	Mrs. Trupti Sonavne and Mr. Prafull Bhosale Joshi-Bedekar College.	Swami Samarth Light Vocal Music Competition



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30.	August 2012	NCC	3 rd TSC camp	
31.	05 September 2012		Teacher's Day Convocation (VPM Courses)	
32.	06 September 2012	Zoology Club	Film Show	
33.	06 September 2012	Sahitya Sahavas (Bhasha Mandal)	Program on Marathi Bhasha mandal	
34.	08 September 2012	IT Department	Seminar on Careers in IT	
35.	10 September 2012	Zoology Club	Shantanu Joshi	slide show on Butterflies
36.	12 September 2012	Cultural Association	'Kavita Manaa Manaachi'	
37.	14 September 2012	Sahitya Sahavas (Bhasha Mandal)	Hindi Divas Celebration	
38.	17 September 2012	Research Committee	Workshop for Avishkar 2012-13	
39.	27 September 2012	Examination committee and IQAC	Orientation program	
40.	September 2012	NCC	Pre-RDC selection Camp	
41.	16 - 20 October 2012	College	Course on Personality Development".	
42.	19 October 2012	Staff Academy	D. Sawant, FRCS, Consultant Orthopaedic Surgeon.	Guest Lecture
43.	22 - 23 October 2012	Department of Biotechnology & Microbiology	KIOSK"- Departmental Fest	
44.	25 October 2012	Yoga	Sr. Surveji	Lecture
45.	12 November 2011	Department of Information Technology	Mr. D. K. Nayak, Principal, VPM Polytechnic College, Thane	National Conference "Futech 2013
46.	30 November 2012 to 14 December 2012	Gymkhana	Indoor Activities	
47.	08 December 2012	Department of Mathematics	Dr.Sudhakar Agarkar, Professor of Homi Bhabha Centre of Science and Education, TIFR, Mumbai	Seminar on "Recent Research Trends in Mathematics"



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48.	08 December 2012	Department of Zoology	Beach cleaning program. Revdanda, Dist. Raigad	
49.	12 December 2012	Women Development Cell	Mrs. Sampada Wagale, famous columnist and writer,	An invited talk
50.	14 December 2012	Department of Biotechnology-Microbiology	Dr. M. A. Deodhar, faculty V. G. Vaze College, Mulund	Plant Tissue Culture & Molecular Biology.
51.	14 & 15 December 2012	Department of Chemistry and Research Committee	Dr. T. A. More & others	National Conference on "Phytochemistry : Recent Trends and Challenges"
52.	20 December 2012	Gymkhana	Annual Athletic Meet	
53.	December 2012	Cultural Association	Annual Social function "Aakanksha"	
54.	11 December 2012	Gymkhana	Indoor activities	
55.	12 December 2012	WDC	Mrs. Sampada Wagale columnist and writer	Talk on "How to develop positive thinking in women"
56.	22 December 2012	Alumni Association	"Anubandha"	
57.	03 January 2013	WDC	Dr. Mrs.Shakuntala A.Singh, Principal, Joshi-Bedekar College, Thane (W) Dr. Mrs.Madhuri K. Pejaver, Principal, B.N.Bandodkar College, Thane (W)	Talk on "Women Beyond Boundaries"
58.	08 January 2013	Department of Botany	Botanical Excursion at Vangani	
59.	15 January 2013	Chemistry Department	Prof. Dr. John M. Byrne Nobel Laureate , University Of Delaware(USA).	Lecture on 'Sustainable Energy Utility For Urban Renewablization In India'
60.	23 January 2013	Research Committee	Prof.Jean Cadet Scientific Adviser at the French Atomic Energy Commission at CEA, Grenoble; and Adjunct Professor at University of Sherbrooke, Sherbrooke, Quebec, Canada.	"Oxidatively generated and photo - induced damage to DNA"
61.	26 January 2013	VPM	Republic Day	



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62.	30 January 2013	Department of Biotechnology & Microbiology	Mini Research Project Competition.	
63.	01 February 2013	College	Dr.P.M.Kelkar.	Lecture on Management Courses after Graduation
64.	02 February 2013	IT Department	GIS workshop of University TYBSc IT Syllabus of Sem VI	
65.	27 February 2013	Sahitya Sahavas (Bhasha Mandal)	Marathi Bhasha Divas celebration	
66.	02 March 2013	College	Workshop on Applied Component	
67.		Department of Biotechnology & Microbiology	Industrial Visit to Bhandup Water Purification plant, Bhandup (W), Water Department BMC.	
68.	14 April 2013	VPM	Smruti Din	



Activities 2012-13

A) ACADEMIC ACTIVITIES:

i) Inaugural Lectures:

Principal Dr. (Mrs.) M. K. Pejaver conducts inaugural lectures for students of different grades at the start of each academic year. During these lectures, Principal extends a warm welcome to the students and orients them about the college rules and regulations, facilities provided and various activities conducted. At end, oath is given to all students. This year, the lectures conducted were as follows:

- 11th June 2012- S.Y.B.Sc. & T.Y.B.Sc students of aided and unaided courses.
- 16th June 2012 – F.Y.B.Sc. CBZ / PCM / PMS at 11.30 am
F.Y.B.Sc. IT / CS / Biotechnology / Microbiology/ Biochemistry
02.30 pm
- 9th July 2012 – M Sc. 9 am
MSc. IT (Part I) Cluster 2 - 5 pm.
- 13th and 14th July 2012 – FYJC

ii) Orientation Sessions:

- NSS orientation lecture and planning session was conducted on 13th July 2012 by NSS coordinator Dr.Kiran. Pariya.
- On 27th September 2012, Examination committee and IQAC conducted an orientation program for newly appointed teaching staff regarding duties of Junior Supervisor during exams and rules of answer booklet assessment.

iii) Parents Meetings:

Parents Meetings are arranged regularly at Departmental level to discuss departmental activities and have an interaction with the parents. Apart from these, the Principal or Vice-Principal conducts meetings for parents of defaulter students. The various meetings conducted this year are as follows:

- Department of Biotechnology and Microbiology had organized the parents meeting for T. Y. B. Sc. class together in Department of Microbiology, on Saturday, June 16th 2012.
- Department of Biotechnology and Microbiology had organized the parents meeting for S. Y. B. Sc. class together, on Saturday, June 30th 2012 at Patanjali Auditorium.
- 23rd August 2012 - F.Y.B.Sc. (PCM / PMS / CBZ) at Patanjali Sabhagruha.
- 24th August 2012 - S.Y.B.Sc. (PC / PM / CB / BZ / MS) at Patanjali Sabhagruha.
- 27th August 2012 - F.Y.B.Sc. unaided course at Patanjali Sabhagruha.



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- 28th August 2012 – FYJC at Thorle Bajirao Peshwe Sabhagruha.
- 29th August 2012 – S.Y.B.Sc. unaided Courses at Patanjali Sabhagruha.
- 25th January 2013 – Department of Biotechnology and Microbiology conducted meeting for F.Y.B.Sc , S.Y.B.Sc.

B) CO-CURRICULAR ACTIVITIES:

i) Departmental Club Activities:

Botany Club 'SRISHTI'

An Inauguration function of Botany Club 'Srishti' was organised on 24th August 2012. Dr. Siddhivinayak S. Barve, Head, department of Botany, Vaze Kelkar College, Mulund was the invited speaker for the function. All the club members actively participated in flower arrangement and fruit/vegetable carving. The talk given by Dr. Barve revolved around his recent visit to Israel where the population size is not more than 75 lakhs. It was an inspirational talk in the sense that sir had a firsthand experience in knowing the hard work done by the people of Israel in almost bringing about a green revolution. He had attended an agricultural exhibition where he came to know about the various water efficient solutions as a result of which the crop production has increased in Israel. As a known fact, half of Israel has no trees at all, but still in the recent years it has proved to be a superpower in agriculture. There is export in floriculture and also grains from Israel to USA. Various methods undertaken by Israel to bring about this change are the number of entrepreneurial ideas along with techniques like sprinklers, drip irrigation, green houses, shade nets, dedicated man power etc. He also elaborated the use of tensiometers, autoagronom, solar igloo, cold storage, aqua culture business, introduction of controlled release of fertilizers, hydroponic plants, biofertilizers and biofuels. He also mentioned the enormous milk, egg, banana, grapes, tomato production in Israel. The overall view that could be opined after the lecture was that Israel is indeed a land of miracles. And India with its tremendous prospects can also achieve the same. Number of students participated -80 Number of teachers participated-15 Number of non-teachers participated -08.

Zoology Club Green Force Nature Club

- On 6th September 2012, Wild life film show was arranged from 2 to 3.30 pm.
- On 10th September 2012, slide show on Butterflies by Shantanu Joshi was arranged from 1.30 to 2.30 pm at Patanjali Sabhagruha.
- On 8th December 2012, members of Green Force nature Club, 19 students of TYBSc accompanied by faculty members Dr.Poonam Kurve (Co-ordinator of the club) and Prof.S.D.Rathod participated in beach cleaning program. This was organised by Senior Citizens' Organisation, Revdanda, Dist. Raigad. Members of this organisation were also involved in this program. Cleaning was necessary to preserve the biodiversity of Arabian Sea. The role played by Senior Citizens Organisation, Revdanda has received an international award for their devoted effort in this aspect. Students also extended a good helping hand towards this noble cause by clearing the beach from plastic sheets, bottles, wrappers, etc.

Biotechnology & Microbiology Journal/Movie Club

- Department of Biotechnology and Microbiology organized a guest lecture by Dr. Disha Mody on July 2nd 2012 at Patanjali Sabhagruha.



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Head of the department, Dr. Meghana Joshi, introduced the speaker. Dr. Mody - a research scientist with St. Jude's Children hospital, TN, USA graced the occasion and amazed the audience with the immense knowledge in the area of immunology. Through efficient power point presentation, she elaborated her work on gene therapy of X-linked SCID. The lucid talk by her covered the basis of immunological disorders and its conventional cure as well as the advancement in the therapy by new approach called "Gene Therapy". The talk was then opened for questions in which she guided the students regarding the career options in the fields of Microbiology and Biotechnology. The audience included 89 students along with the Teaching-staff of Biotechnology and Microbiology Department along with Prof. Mr. A. P. Patil Head, Department of Statistics.

- Ms. Rucha Kulkarni, student of S.Y.B.Sc. Biotechnology class and Ms. Anita Rai, student of S.Y.B.Sc. Microbiology class had undergone summer training at the Institute of Bioinformatics and Biotechnology (IBB), University of Pune and Jupiter Hospital, Thane respectively. They presented on their job training experience on July 14th 2012.
- Ms. Rucha Kulkarni explained the use of different instruments like electron microscope, lyophilizer etc. She also spoke about intricacies of the techniques, e. g., sample preparation in electron microscopy.
- Ms. Anita Rai gave a detailed insight into microbiological analysis of samples in a medical laboratory. In her PowerPoint presentation she explained the principal and applications of commonly used microbiology tests in pathology laboratories.
- Head of the Department - Dr. Meghana Joshi delivered a lecture on "Career opportunities after graduation in Microbiology and Biotechnology" on 31st July 2012. She explained career opportunities in diverse fields like science journalism and IPR. She also spoke about the role Microbiology and Biotechnology students can play as future entrepreneurs.
- Mr. Ketan Thatte presented his Ph. D. work on the topic 'Studies in *Garcinia indica* with reference to genetic diversity and sexual dimorphism' on 10th august 2012. He explained various botanical terms like sexual dimorphism with examples. He also spoke about designing of a molecular marker like RAPD and its applications in sex determination of *Garcinia indica*.
- Journal club activity for S.Y.B.Sc students on 14th July 2012 from 2 to 3 pm.
- Movie Club activity was conducted on 3rd September 2012.
- 2nd Journal Activity conducted on 5th January 2013.
- 3rd Journal Club Activity conducted on 25th January 2013.

ii) Sahitya Sahavas (Bhasha Mandal):

- Program on Marathi Bhasha mandal on 6th September 2012.
- Hindi Divas Celebration on 14th September 2012.
- Marathi Bhasha Divas celebration on 27th February 2013 at Patanjali Sabhagruha.



iii) Science Square:

Research Committee had organized a talk of eminent personality Prof. Jean Cadet on 23rd January, 2013 in Patanjali Sabhagruha at 3.00 p.m. Prof. Jean Cadet has been a Research associate and visiting professor at John Hopkins University and Atomic Energy of Canada at Chalk River. He is currently Scientific Adviser at the French Atomic Energy Commission at CEA, Grenoble; and Adjunct Professor at University of Sherbrooke, Sherbrooke, Quebec, Canada. His H-index is 57 and his work has been cited more than 12000 times. He delivered a lecture on, "Oxidatively generated and photo-induced damage to DNA". He focused on recent aspects of photochemical reactions to cellular DNA that are implicated through the predominant formation of mostly bipyrimidine photoproducts in deleterious effects of human exposure to sunlight. He further stated that Major progress in the measurement of DNA photoproducts in isolated cells and human skin exposed to either UVB, UVA and simulated solar radiation has been accomplished during the last decade. Research Committee greatly acknowledged Dr. P.M.Dongre, Head Biophysics Department, and University of Mumbai, with whose efforts the students and teachers from B.N.Bandodkar College of Science, Thane and chemistry department from Saket College, Kalyan and Birla College, Kalyan got an opportunity to interact with and conceive the idea of research in DNA damage.

iv) Research Committee:

- Review of research work was conducted for the students who had completed 22 months since registration.
- National Conference on "Phytochemistry: Recent Trends and Challenges" was organised by the Research committee in collaboration with Chemistry department.
- Grants were received from UGC, New Delhi and University of Mumbai for 2 major research projects and 5 minor research projects by the faculty.
- About 50 scientific research publications were in National and International Journals.
- Five faculty members presented their research papers in International Conference held at Colombo. Dr.R.P.Athalye and Dr.Goswami-Giri delivered invited talks in this conference.
- Dr.Goswami-Giri delivered a talk in National Conference held at Kada, Dist. Beed.
- Workshop for Avishkar 2012-13 by Students Welfare Department, University of Mumbai was conducted on 17th September 2012.
- On 12th October 2012, Avishkar 2012-13 was conducted.



v) Seminars / Conferences / Workshops:

National Conference on -“Phytochemistry: Recent Trends and Challenges.”

Department of Chemistry and Research Committee, B.N. Bandodkar College of Science, Thane, in collaboration with T D M Laboratory, Sion and International Society of Science and Technology, Mumbai, organized National Conference on , “Phytochemistry: Recent Trends and Challenges” on 14th and 15th December 2012. The idea behind the conference was to inculcate new production methods, to dissemination of scientific knowledge concerning all aspects of phytochemistry and to have constructing dialogue on sustainable development pathways for developing countries with special attention on the research areas.

Chemistry Department organized two preparatory work shops on 11th August and 27th October 2012. The two days of conference were graced by eminent personalities from varied institutes, industries and universities. Overall more than 365 delegates from 6 states (Madhya Pradesh, Karnataka, Odisha, Goa, Gujarat and Maharashtra) participated. The chief guests were saluted by NCC cadets. Dr.T.A.More and Dr.R.T.Sane along with convener Dr. (Mrs.) Madhuri Pejaver and organizing secretary Dr. (Mrs.) Anita Goswami-Giri took the survey of the Botanical garden of VPM campus. The function was inaugurated by Chief Guest Dr. T.A.More, Vice-chancellor, Krushi Vidyapeeth, Rahuri, Ahmednagar.(MS). In his keynote address, Dr.More specially gave attention on hybrid plants, alkaloids, stimulants and discussed number of Indian species of plants. The eminent personalities Dr.T.A.More and Dr.R.T.Sane were acknowledged by International Society of Science and Technology, Mumbai by conferring them with a lifetime achievement award.

The two days conference was conducted in four sessions. Each session was started with lead lecture and invited talk followed by oral presentations. On 14th Dec.2012, in the first session, lead lecture on genomics was delivered by Dr. (Mrs.) Vidya Gupta; Chief Scientist, Biochemical Division; National Chemical Laboratory, Pune. She revealed the secrets of fruits (Mango) flavor using Biochemical and molecular Approach . An incredible invited talk on proteomics was delivered by Dr. Ashok Giri , Sr, Scientist ,Biochemical Division NCL Pune. He explained the relevance of plant defense against the insect pests and functional implications of induced proteinase inhibitor diversity in Capsicum annum . He also added that higher the number of inhibitory domains high the accumulation of specificity of inhibitors in Capsicum annum. The session was chaired by eminent scientist and professor Dr.R.T.Sane, Ex Principal Ruia College, Mumbai and Rapporteur was Dr.(Mrs.) Debjani Dasgupta; Director, Department of Biotechnology and Bioinformatics Padmashree D.Y.Patil Vidyapeeth, Nerul.

The second session was chaired by Prof. (Dr.) K.R. Gawai Professor in Biochemistry, Department of Chemistry, University of Pune ,Pune and Rapporteur was Prof. (Dr.A.V. Karnik Professor in Organic Chemistry, Department of Chemistry, University of Mumbai, Mumbai . Phytochemicals reference standards for Indian medical plants;a monograph was emphasized by Dr. D. G. Naik, Agharkar Research Institute, Pune. The talk elaborated the



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importance of development of quality of standard of Indian medicinal plants in relation to authentication .Dr. Dimple Datta , Scientific Officer, BARC Mumbai has targeted hyperthermia treatment using magnetic nanoparticles and stated that it is a promising field for cancer therapy. In this session, 27 diversified scientific papers on methodological, nanotechnological, biochemical, microbial and various drugs, dyes having various activities, isolated from plants were presented by research scholars from different areas and states.

On 15th December 2012, the third session started with eminent personalities Dr . Shashi Menon ;Director,TD M Laboratory,Sion, Mumbai. He delivered lecture on bioanalytical Challenges in Standardization medicinal plant and the second Lead Lecture was on Phytoremediation by Prof.(Dr.) Govindwar ;Professor in Biochemistry, University of Kolhapur ,Kolhapur .The session was chaired by Dr. R. S. amgar, Department of Chemistry, Patkar College of Art, Commerce & Science, Mumbai and the Repertoire was Dr. Atul Bedekar Director Education & Research in Chemistry, Ayurveda & Allied Sciences, Prin. B.V. Bhide Foundation , Pune. The fourth session, commenced with Poster Session which was inaugurated by Dr. P. M. Dongre Head, Department of Biophysics University of Mumbai, Mumbai and President, ISST Mumbai. The jury members were Dr. Lingaraj Patro Asso.Professor in Toxicology K B D A V College, Nirakarpur, Odisha and Dr.Vidya Patil Department Chemistry , Nasik. In this session, 69 authors presented their papers as posters. Post-lunch the oral presentation session was chaired by Prof.(Dr.)R.S.Pandit, Department of Zoology, University of Pune and Rapporteur was Dr. SI Patel,MVP Samaj's Arts, Science and Commerce College, Ozar (MIG), India.15 papers were orally presented by research scholars which were on cosmetics, novel methodologies and impact on human being with molecular approaches. The last session was Panel Discussion session which was Chaired by Dr. S.B Daharp Chairman, Board Of Studies in Chemistry, University of Mumbai, Mumbai Prof.(Dr.) R S Pandit, Dr. R. S. Yamgar ,Dr. R.P Athalye Department of Zoology, Bandodkar College, Thane. Dr.S.S Hussain Professor in Life Sciences, University of Mumbai, Mumbai. Dr. Dnyaneshwar Waghchoure Director, Ashwamedh Laboratory, Ahmednagar Dr .Balaprasad Ankamwar ,Bio-Inspired Materials Science Laboratory, Department of Chemistry, University of Pune, Pune. Constructive dialogues between delegates and panel were held on ethics, moral values, challenges with special attention on current status of chemistry of plants in India. Participants were very much pleased with the information of regarding phytochemistry. Finally with thanks giving speech by Dr. (Mrs.) Anita Goswami -Giri, Organizing Secretary and Coordinator of Research Committee the conference was concluded.



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National Conference "Futech 2013" was conducted on 18th & 19th January 2013.

Around 30 lecturers and 300 students attended this conference. This conference was announced on 12th November 2011 during the valedictory function of national conference on "Cloud Computing". Two workshops were conducted by Mr. Abhijeet Kale prior to the conference on 15th September 2012 and 17th November 2012, to explain the basic trends and techniques emerging in the current IT industry to the students. On the morning of 18th Jan 2013, at 9.30 am the conference was officially inaugurated by Dr. Madhuri Pejavar, Principal, B.N. Bandodkar College of Science. She gave us the significance of conducting such national conferences and congratulated the students for their unique and innovative ways of presentations such as posters, model, videos etc. Two of the IT students (Neelam Jain and Nikhil Jain) presented a video on the evolution of mankind and the role played by science & technology. The Chief Guest for the occasion was Mr. D.K. Nayak, Principal, VPM Polytechnic College, Thane. He spoke about the role of technology in our day to day life and also laid emphasis on the fact that human being should rule technology and technology should not govern human being. The first lecture was given by Dr. Kavita Rambal, an eminent Ph.D. Research Guide who gave the students information about the latest happenings in the field of Botany. The challenges that they face in their field were brought to the student's notice and she encouraged the students to pursue a career in R&D. Mr. Umesh Rathod & his team enlightened the students with the career opportunities that are currently available in Embedded System. After lunch, Mr. Harshal Kulkarni from Aptech convened a lecture on "Big Data"—the new technology has taken the IT industry by storm. The next speaker was Mr. Firoz Shaikh from Ingram Micro India Ltd. who introduced the Apple iPad to the students and how they can get benefitted by using the same. The last session for the 1st day was conducted by Mr. Sumanjit Aich, Executive Manager, Rolta India, introduced the concept of Geographical Information System (GIS) to the students and showed live demonstrations of the software implemented in their organizations. The students were fascinated as well as excited by the level of advancement in the field of GIS. The 2nd day started with a very educative and informative session conducted by Dr. Vijay Joshi, Principal, K.J Somaiya College of Arts & Science. He also an alumnus of B.N. Bandodkar College of Science. He emphasised that physical activity should not be ignored while updating ourselves to the latest technology. Next was an interactive session conducted by Mr. Sandesh Pradhan, GM at Aplap Ltd., Thane on "UPS Technology" followed by a demonstration about Augmented Reality by Mr. Prashant Patil, Team Lead, and Wavez-Tech Multimedia. Mr. Bilal Ahamad, Sr. Software Engineer, L&T Infotech educated the students of "Android Technology" and the role of Testing in the IT industry. The post lunch session began with a presentation given by our own staff from the Botany Department Dr. M. Saha Ph.D. working as Associate Professor on Next Generation DNA Sequencing Technology –a Review. It was followed by a very entertaining and educative session by Mr. Dinkar Borde, IT Scientist.



Seminar on “Recent Research Trends in Mathematics”

Mathematics department had organized a seminar on “Recent Research Trends in Mathematics” on 8th December 2012 at Patanjali Sabhagruha. The inauguration was done by Dr.Sudhakar Agarkar, Professor of Homi Bhabha Centre of Science and Education, TIFR, Mumbai. In his keynote address, Dr. Agarkar shared his experiences in teaching methodology and research in Education.

The first session of the seminar was based on the topic ‘ Mathematics of Biology and Bioinformatics’. Dr. Nithya Narayana of Ratnam College, Bhandup threw light on Biomathematics and areas of research, DNA and Genetic Matrix, and Fractal geometry that is applied in Biological sciences.

The second session of the seminar was on ‘Recent research trends in Mathematical modeling’. Dr.Seema Purohit, Director of Navinchandra Mehta Institute talked about the various Mathematical models used in various fields.

Dr.Selby Jose of Institute of Science spoke about the different perspectives for a research problem. Convener of the seminar, Dr. Mrs. M.K.Pejaver (Principal) shared her views regarding the research in Mathematics and its significance in the future prospects in students’ and teachers’ life. The seminar was concluded with a formal vote of thanks by Mrs. M.T.Wankhede, Head of the Mathematics Department.

vi) Guest lectures:

1. Statistics Club organised a guest lecture on 27th July 2012.
2. Department of Biotechnology-Microbiology arranged a guest lecture on 14th december 2012 by Dr. M.A.Deodhar (Associate Professor, V.G.Vaze College, Mulund) on Plant Tissue Culture and Molecular Biology.
3. Lecture on ‘Sustainable Energy Utility For Urban Renewablization In India’

By Dr. John M. Byrne, Nobel Laureate, Professor, University of Delaware (USA). Director of The Center For Energy And Environmental Policy was organized by Chemistry Department and many NGO's of Thane on 15 JAN 2013at V P M's Thorale Bajirao Sabhagruh.

Principal Dr. Mrs. M K Pejaver welcomed the guest and briefly explained about Vidya Prasarak Mandal and B.N.Bandodkar College of Science .The introduction of the Chief Guest was given by Mr. Sanjay M. G, Professor from V. J. T. I and Ph.D. Student at Delaware University working under his guidance. Dr. John Byrne in his presentation began with an image of moon which was the best way of telling how in nature moon itself does not have its own light yet it is able to shine in dark due to the Sun light which is getting reflected. His case study was utilization and conservation of energy in his own country. By giving the example of Los Angeles, he explained the solutions on how to avoid loss of energy and save energy by building eco-friendly buildings using solar panels. But since the solar panel is too costly he gave an alternative method of buying the energy obtained from the solar panel. The session was ended with questions put up by Thaneites and he welcomed them by not only answering them but also by providing alternative solutions to it. Vote of Thanks was given by Mr.Jayant Kulkarni , associated with NGO We Need You Society.



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- On 1st February 2013, lecture was arranged related to Management Courses after Graduation by Dr.P.M.Kelkar.

vii) Departmental Festival:

This year the department of Biotechnology and Microbiology started a new tradition of conducting a departmental fest every year. The fest was named "KIOSK". KIOSK 2012 was a two day event that took place on 22nd and 23rd October 2012. The entire management and implementation was done by S.Y.B.Sc students. Some of the events that were a part of KOISK are Biorangoli (make rangolis using biomaterials) , Dumb charades (Enacting a biological phenomenon) , Get Set Go (Getting ready for practicals) , Treasure Hunt and many more. The fest provided an excellent platform to bring out the hidden talents in student, it helped to break the ice between juniors and seniors and the two-day fest was enjoyed by students and staff together.

viii) Other Activities:

- On 14th August 2012, Zoology Department organised a Power Point Presentation Competition.
- On 8th September 2012, IT department organised a seminar on Careers in IT.
- On 30th January 2013, Department of Biotechnology & Microbiology organised a Mini Research Project Competition.
- On 2nd February 2013, Information Technology Department organized GIS workshop to discuss the University IT Syllabus of T.Y.B.Sc. Semester VI at Patanjali Sabhagruha.

C) EXTRA-CURRICULAR ACTIVITIES:

i) Cultural:

- Inauguration of Cultural Association was organized on 1st August 2012 at Patanjali Sabhagruha. Theme of the program was 'ZINDAGI KA SAFAR' – A tribute to First Superstar Rajesh Khanna and Chief guest of the function was Mr.Vinayak Divekar (Actor & Director). Around 20 participants including students, teaching and non-teaching staff presented their solo and duet songs and dances from the movies of Rajesh Khanna.200 students, teaching and non-teaching staff attended and enjoyed the program.
- Swami Samarth Light Vocal Music Competition was organized on 30th August 2012 at Patanjali Sabhagruha. Judges for the competition were Mrs. Trupti Sonavne and Mr.Prafull Bhosale from Joshi-Bedekar College. From 22 participants that were selected through prior auditions, The prize-holders were:
I prize - Ms. Neeta Kamble (S.Y.B.Sc. IT)
II prize - Ms.Saniya David (S.Y.B.Sc. biotech)
Consolation - Mr.Vipul Salve (FYJC) , Aishwarla Kadam (F.Y.B.Sc.)
- 'Kavita Manaa Manaachi' was organized on 12th September 2012 by ex-student Mr.Gitesh Shinde and his associates Mr.Manish Tapse, Mr.Pankaj Dalvi through Prism Arts. They presented a collection of poems on the various facets of present day love.



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- 4) 14 students of the college participated in inter-collegiate competitions organized by Mumbai University as a part of Youth Festival on 8th August 2012.
- 5) Mr.Durgesh Gupta from Microbiology department won 1st prize in photography event in Maharashtra Utsav organized by Parnika Sanstha.
- 6) Annual Social function "Aakanksha" was organized in December 2012. "100 years of Bollywood" was the theme for this year.
 - a) **Indoor events** – Rangoli, Bridal make up, Mehendi, Tattoo making, flower arrangement, veggie art, poster painting, cartoon drawing, photography, love letter writing, etc. These were judged by Mrs.Neeta Kalore and Dr. Moses Kolet.
 - b) **Outdoor events** – Inaugurated on 21st December 2012 by Mr. Vilas Mungekar and Dr. Indu George
 - i) Personality Contest: Judges of the event were Mr. Vilas Mungekar and Dr. Indu George. Mr. Ali Ahmed Momin from S.Y.B.Sc. and Miss. Priyanka Tambe from T.Y.B.Sc. were selected as Mr.Bandodkar and Miss.Bandodkar respectively.
 - ii) Acting chi Factory: Dr. Vinda Manjramkar was the judge. Shubham Divekar and group won first prize.
 - iii) Solo and Duet dance competition: Mr. Naresh Megeri and Mr. Sumeet Mantode were the judges. First prize was awarded to Miss. Sanjivani Patil from F.Y.B.Sc. in solo dance. Miss. Isha and Miss. Shweta from FYJC won the second prize in duet dance competition. Prof. Prakash Mali presented traditional folklore Gondhal and Mrs. Sonal Mathias presented Katthak dance.
 - iv) Light Vocal Singing Competition: It was held on 22nd December 2012 and was judged by Mrs. Kalpana Jain from SNTD college. About 22 students participated. Miss. Swarda Paranjpe from TYBSc secured first prize in light vocal solo. Soham Chougankar and Miss. Vijaya Date from FYBSc secured first prize in duet singing.
 - v) Group dance: Mr. Naresh Megeri and Mr. Sumeet Mantode were the judges. Eight groups participated. Shraddha Thosar and group won first prize.
 - vi) Fashin Show: Mrs. Vaishali Kurekar and Mr. Prafull Bhosale from Joshi Bedekar College were the judges. Eight groups participated in this event. Mr. Jayesh Kharpude from TYBSc and Miss. Divya were selected as best male and female models respectively.

ii) Sports:

Gymkhana Indoor activities were started from 11th June 2012. Mr. Pradhan Mayuresh Nikhilesh(T.Y.B.Sc.) was selected as Gymkhana Secretary for the year 2012-2013. About 189 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**: Degree college team participated in University of Mumbai organized tournaments. Junior College boys' team participated in District Level Chess competition. VARUN ARJUN



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- VAIKAR (F.Y.J.C) & NEHA RAMAKANT GUPTA.(S.Y.J.C.) were selected for Division Level in Chess competition organized by Zilla Parishad.
2. **Cricket:** Degree College & Junior college Cricket team participated in Inter collegiate Cricket Tournament of University of Mumbai & Tournaments organized by Zilla Parishad under the able guidance of our cricket coach Mr.Kiran V. Salgaonkar.
 3. **Table Tennis:** Degree college Boys' team participated in Table Tennis Inter collegiate Tournaments of University of Mumbai. Junior college boys' & girls' team participated in Table Tennis competition organized by Zilla Parishad. ASHWINI SACHIN CHAWATHE (F.Y.J.C) & APATE BHAIRAVI BALKRISHANA(F.Y.J.C.) were selected for Division Level.
 4. **Athletics:** Two Boys from Degree College participated in Inter collegiate Athletic Meet of University of Mumbai. Junior college boys participated in District Level Athletics competition organized by Zilla Parishad.
 5. **Football:** Degree and Junior College Football Team participated in different competitions under the able guidance of our Football coach Mr. Aloysius Vaz. Degree college Boys' team participated in Football Tournament of University of Mumbai. Junior college boys' team participated in District Level Football competition organized by Zilla Parishad.
 6. **Kho –Kho:** Junior college Boys' team participated at District Level tournament organized by Zilla Parishad.
 7. **Power Lifting:** Degree College students JAGTAP SAMEER SHRIKANT& JADHAV SOHAN SIDDHESHWAR won BRONZE Medal in Power Lifting Tournament organized by University of Mumbai.
 8. **Kick Boxing:** Junior college student AARATI SURESH JAGDALE (F.Y.J.C.) won Bronze Medal in District Level Kickboxing competition organized by Zilla Parishad.
 9. **Shooting:** Degree College girl Student participated in Shooting Competition of University of Mumbai.
 10. **Taekwando:** Junior College Student AARATI SURESH JAGDALE (F.Y.J.C.) won Bronze Medal in District Level Taekwando competition.
 11. **Carrom:** Degree college Men team participated in Inter collegiate Carrom Tournament of University of Mumbai. Junior college Boys' & Girls' team participated at District Level Carrom Competition Organized by Zilla Parishad.
 12. **Judo:** One of our Degree College girl Student participated in Judo competition of University of Mumbai. Junior College girl Student AARATI SURESH JAGDALE (F.Y.J.C.) won Bronze Medal in District Level Judo competition organized by Zilla Parishad
 13. **Badminton:** Degree College Men and Women team participated inter collegiate Badminton Tournament of University of Mumbai. Junior college boys' team won in District Level Badminton competition and was selected for division level Badminton competition.
 14. **Swimming:** Degree College Men and Women participated in Inter collegiate Swimming Competition of University of Mumbai. Our Junior college boys ' & girls' team participated in Swimming competition. SIYAL AMISH ANANT (F.Y.J.C.)(50 mts Breast) & PAWAR SHARDHA YUVARAJ (F.Y.J.C.)(50 mts. Breast,50mts Free,100mts Breast) were selected for Division Level.



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15. **Yoga:** One of our Degree College boy Student participated in Inter collegiate Yoga competition of University of Mumbai
16. **Volleyball:** Degree college Boys' team participated in Inter collegiate Volleyball Tournament of University of Mumbai. Junior college boys' team participated in District Level Volleyball competition.
17. **Hand ball :** Junior college boys' team participated in District Level Hand ball competition organized by Zilla Parishad.
18. **Cross Country:** Degree college Boys' team participated in Inter collegiate Cross Country Competition of University of Mumbai.

• Individual Participation and Achievements:

Students' Name	Tournament / Competition	Medal	Organized by
Jagdale Aarati Suresh	Judo Kick Boxing Taekwondo	Bronze at district level	Zilla Parishad
Chawathe Ashwini Sachin	Table Tennis	I Rank at district level	Zilla Parishad
Apate Bhairavi Balkrishana	Table Tennis	II Rank at district level	Zilla Parishad
Siyal Amish Anant	Swimming	I Rank	Zilla Parishad
Pawar Shardha Yuvaraj	Swimming	I Rank	Zilla Parishad
Jagtap Sameer Shrikant	Power lifting – 83 Kg	Bronze	University of Mumbai
Jadhav Sohan Siddheshwar	Power lifting – 66 Kg	Bronze	University of Mumbai

• Annual Sports Activities:

Indoor Activities were held from 30th November 2012 to 14th December 2012. Annual Athletic Meet was organized on 20th December 2012 on college ground. 244 Students and 35 Teaching faculty participated in various events. General Championships were awarded to the following Students: Sao Alock Bigan Degree College (F.Y.BSc) . Kevate Prasad Bharat Junior College (S.Y.J.C). Rane Tanvi Laxman Degree College & Junior College Girls (T.Y.B.Sc).

Faculty participation and achievement:

• Shot Put (Men)

1. Mr. Thorat V. N
2. Mr. Athawale A. D.

• 2200 mtr. Run (Men)

1. Mr. Thorat V. N.
2. Mr. Bhusara S. B.

• Carrom

- a. **Men**
 1. Mr. Thorat V. N.
 2. Mr. Mali P.S.
- b. **Women**
 1. Mrs. Waghmare Sunita
 2. Mrs. Pushpa Krishnan

• Table Tennis



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- | | | |
|-----------------|------------------------|----------------------|
| a. Men | 1. Mr. Thorat V. N. | 2. Mr. Mali P.S. |
| b. Women | 1. Mrs.Pushpa Krishnan | 2.Mrs.Kunda Karbhari |

• **Gymkhana Prize distribution ceremony**

Prize distribution ceremony of the Gymkhana for the year 2012-13 was held on 21st January, Monday at 1.30 pm at Patanjali sabhagruha. Dr. Mrudul J. Nile, Director, Department of Student's Welfare, University of Mumbai graced the ceremony as the chief guest. The function commenced with lighting of the holy lamp by the honorable chief guest, respected principal and gymkhana co-coordinator. The welcome song in praise of lord Ganesha was rendered by Jayesh Gaikwad S.Y BioTech. and Gaurav Thakur S.Y.Stats. The chief guest was introduced and then felicitated by our principal Dr. Pejaver. In her speech, the principal motivated students to get involved in co-curricular activities for all round development of their personality. Chief guest Dr. Mrudul J. Nile is a well known personality in the research field having published many articles in news papers, magazines, scientific research journals etc. Apart from teaching and research activities he is also looking after various activities related to students' welfare like youth festival, Avishkar, students 'election, cultural activities both within university and at interuniversity level. The speech delivered by the Gymkhana secretary Mr. Mayuresh Pradhan, T.Y.B.Sc. Maths was extremely candid; he admitted that he was able to develop as a person as he could inculcate the leadership quality as a sports man and as secretary of gymkhana. The prizes were distributed to all the bronze, silver and gold medal winners in both indoor and outdoor games conducted by the gymkhana. Mrs. R.V. Dombé, Mrs.D.D.Ladhe and all the gymkhana committee members smoothly co-ordinated the prize distribution. The entire proceedings were compared ably by Sayed Farheen T.Y. IT., Sweekar Ghangale S.Y.IT , Pooja Surve T.Y.IT, Manu Meena F.Y.CS and Kush Kode S.Y.CS. Lastly, the principal encouraged all the prize winners and also congratulated all the fellow students who had participated and were also present in large numbers to encourage the winners. The event concluded by thanking each and every person who contributed in making this event a success.

iii) Literary Association:

The inaugural meeting of the Literary association for the year 2012-2013 was held on 27th June 2012 to decide various activities. Mr.Dipesh Puranik (F.Y.B.Sc.) was selected as the secretary of Literary association for year 2012-2013.

Various competitions such as Essay writing, poetry and story writing, Elocution and Debate, Quiz were organized in the college for junior and degree college students. About 320 students participated in these competitions.

Students were also encouraged to participate in various local and state level intercollegiate competitions. Students participated in the following competitions.

1. Anti Dowry movement - Bombay - Intercollegiate slogan competition.
2. PCRA organized Essay competition - OGCF 2013
3. N.G.Panditrao elocution competition (organized by Shri Samarth Sevak Mandal, Thane) Tejas Niphadkar (S.Y.J.C.) won consolation prize.
4. MLDC Alumin Association c/o M.L.Dahanukar College of commerce-Essay competition..



5. Mahatma Gandhi Vichar Sanakar Pariksha. About 65 students participated in this competition.
6. University of Mumbai: Department of students welfare organized 45th Inter - collegiate cultural competitions.
7. Shri S.V.Kulkarni intercollegiate elocution competition organized by Dnyana Sadhana college, Thane.

D) EXTENSION ACTIVITIES:

i) NSS:

- NSS volunteers Miss Ingle Prajakta and Mr. Bhalerao Ajinkya from S.Y.B.Sc. participated at Avhan, The Chancellor's Brigade organized at Rahuri, Ahmednagar from 06 th June 2012 to 16 th June 2012. This is a force created by the Governor of Maharashtra that will help the administrative system at the time of disaster. This team called as "The Chancellor's brigade" involves the youth of Maharashtra that will work as a disciplined force for the rescue management.
- More than 200 students, teachers and NSS volunteers attended workshop on "Andhashraddha Nirmoolan" on Friday 20th July 2012 at Patanjali Auditorium. It was organized in association with [Andhashraddha Nirmulan Samiti](#) (ANIS), a rationalist outfit, which has mooted a survey of superstitions among tribals before taking measures to create awareness against blind faith. "Superstitions have many different facets and there is a need to understand them, for which ANIS proposed to be a catalyst." said Mr. Rajendra Koli, who spearheaded the anti-superstition demos in the college. He demonstrated blind faith by various interactive methods like play, poems, punches and tricks used by 'Babas' and explained scientific basis involved in the experiment. The movement is growing in urban and rural areas.
- A seminar on Cyber safety and awareness in association with Cyber Crime Investigation Cell, Thane Police, Thane, was organized on Saturday, 28th July 2012. More than 300 participants including professors, NSS volunteers and other students of junior and degree college attended. Ms Andhale, API from Cyber Crime Investigation Cell focused on the types of crime and how youth becomes a victim of it. Mr. Sonawane and Mr. Yogesh Utekar, supporting staff from Cyber Crime Investigation department explained the safety measures in mobile data transfer, credit card and debit card transaction, e-mail operation, fraud mail identification, social site networking and data sharing on various websites. Mr.Ketan Aher, the representative from NASCOM -DSCI, the knowledge and training partner of Cyber Crime Investigation Cell explained the training part and operational measures of cyber crime and safety.
- 50 NSS volunteers took training on FIRST AID on Friday 03rd August 2012 at College's Patanjali Auditorium in association with RADHEE Foundation. Dr. Rita Savla, Director of RADHEE Foundation conducted FIRST AID training for NSS volunteers. The objective of the program was to prepare ourselves to prevent and minimize, the loss and injury of people and property in cases of floods, fire, earthquakes, bomb-blasts, terrorist attacks. Dr.Rita Savla trained volunteers for different type of bandages, stretcher and first aid technique from available material. Ms Niti Sharma, District coordinator of Govt. of India on UNDP project from Disaster Management Cell of Thane Municipal Corporation visited the venue and



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guided volunteers on the importance of disaster preparedness. She extended her support to NSS unit by promising these trained volunteers for further Self Defence Training in association with Self Defence Unit of Govt. of Maharashtra.

- 6th August 2012 – In remembrance of Hiroshima Day 50 NSS volunteers participated in the Peace Rally and took the pledge to work for Peace & Nuclear-free World along with about 3,589 students from 78 colleges, social activists, and peace-loving citizens in the city. Shri Atul Salunke, NSS Co-ordinator of Mumbai University administered the Pledge to the entire gathering. This rally started from Azad Maidan to Hutatma Chowk. It was jointly organized by Bombay Sarvodaya Mandal and NSS Units of SNDT & Mumbai University to mark the 67th anniversary of the devastation of Hiroshima & Nagasaki with a deadly atomic attack. The Peace Rally was led by students, carrying a huge banner depicting the devastating effects of nuclear attack and warning about future nuclear threat. Students were wearing aprons and Gandhi -caps with slogans like 'No More Hiroshima', 'Save Mother-Earth'. B. N. Bandodkar College of Science NSS Volunteers along with from various colleges were also carrying placards and banners depicting slogans like 'NO-BOMB, YES-PEACE', and "We want to grow up, not to blow up".
- University of Mumbai, National Service Scheme (NSS) unit, Thane District Central Line organized 05 Days Residential Camp 'Leadership Training Programme' from 10th Aug -14th Aug 2012 at Social Service League Site (Helipad behind Pritam Hotel), Anand Nagar MIDC, Ambernath (East) to train NSS volunteers to work as a leader and to manage NSS activities in their respective colleges. 150 volunteers from 40 colleges participated in the camp. 04 volunteers Ms. Chavan Pooja, Ms. Shinde Monika, Mr. Prashant Raghatwan and Mr. Bhosle Sangram from F.Y.B.Sc. participated in the Leadership training Program. Volunteers benefited from series of sessions on NSS activities, administration and account, implementation of NSS activities and opportunity in NSS, advisory, planning, budgeting and information about Govt offices, role of NSS Leaders in NSS Unit, atrocities against women etc. Volunteers visited Rehabilitation Centers, Old Age Home, School for Blind and Adhaar Ashram to understand the other side of society as a value added program.
- Interactive session organized on 17th August 2012 on 'How to be a Smart Investor' in two sessions for senior college and junior college, sponsored by Bombay Stock Exchange (BSE) in association with Consumer Guidance society of India (CGSI). Mr. Gajanan Patil, Project Officer, Consumer Guidance society of India (CGSI) explained the role of NSS volunteers and future in Investment. Mr. Harish showed documentary film on Consumer Guide and awareness. Mr. Lokesh Jain, Financial planner, invitee speaker, Consumer Guidance society of India CGSI emphasized on future in Investment and future of investment along with importance of financial planning in the life. Prof. Anis Choudhery, District Coordinator, NSS-Central line, visited the venue and guided students regarding NSS activities, disciplines and projects to be conducted at University level and district level. The last session was conducted on question answer session where Ms. Ashwini Paithankar from S.Y.B.Sc. received best question prize.
- NSS Unit organized Blood Donation Drive in the college on 22nd August 2012 in association with Bloodline Blood Bank Charitable Trust and Lions Club of Kanjurmarg. A team of doctors from Bloodline Blood bank conducted an awareness programme on 21st August by



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explaining benefits of blood donation and need of the society at the lecture rooms of various classes during lecture hours. Bloodline conducted Thalassemia testing for the blood donors and a gift was given to motivate donors. 111 bottles of blood were collected during this drive.

- Seminar on “Brain Intelligence Test Awareness” was organized in association with Multicare Distribution and Marketing Pvt. Ltd. on 29th August 2012. More than 200 participants including professors, NSS volunteers, and other students of junior and degree college attended. Studying genetic coding via fingerprint mapping, researchers can find out precisely what child can grow up to be. The method is based on the scientific premise that the patterns on one's fingerprints are in sync with the patterns on an individual's left and right brain. These in turn can point out the inborn potential of a person. These intelligences show whether your logical skills are higher than your linguistic or if you are left brain thinker or a right brain thinker.” Explained by Bhavesh A. Dhanecha, Director, Multicare Distribution and Marketing Pvt. Ltd. At the end of the seminar Lucky draw performed, Miss Priyanka Rangale from F.Y.B.Sc. won free Brain Intelligence Test sponsored by Multicare Distribution and Marketing Pvt. Ltd.
- University Level Workshop on Gender Sensitization on 25th February 2013 at Patanjali Sabhagruha

ii) NCC:

1. Administrative Front: Ketan Shirke was appointed as Senior Under Officer and also represented NCC in the Student's Council of Bandodkar College. Kush Kode and Gajanan Patil were appointed as Junior Under Officers of the unit. Shivam Rane and Momin Ali Ahmed assumed responsibility as CSM and CQMS respectively.
2. Enrolment Drive: Enrolment of cadets commenced in July 2012 and eligible students from Jnanadweepa campus participated and competed for the vacancies.
3. Results of Certificate Examinations: The unit achieved 100% results in the NCC 'B' and 'C' certificate examinations.
4. Training: Cadets participated in regular training parades conducted in the college campus as well as in several regional, state and national level training camps and allied activities as mentioned below:

Regional and Group Level Camps:

Sr. No.	Camp	Venue	Month/Year	No. of cadets participated
1.	ATC Camp and shooting trials	Mumbai	June 2012	09
2.	TSC-1 camp	Nasik	July 2012	04
3.	TSC-2 camp	Nasik	July 2012	05
4.	3 rd TSC camp	Nasik	August 2012	01
5.	Pre-RDC selection Camp	Mumbai	September 2012	06
6.	Weapon Firing camp	Mumbai	October and November 2012	14
7.	Annual training Camp	Mumbai	October and November 2012	34



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State Level camps:

Sr. No.	Camp	Venue	Month/Year	No. of cadets participated
1.	TSC and Inter Group competitions for TSC events	Amravati	August 2012	01
2.	Maharashtra NCC directorate level pre - RDC training camp and Inter Group competitions for RDC events	Aurangabad	October and November 2012	02
3.	NCC-Day camp	Mumbai	November 2012	02
4.	Pre RDC camp	Mumbai	December 2012	02
5.	Army Attachment Camp	Ahmednagar	December 2012	07

National Level Camps:

Sr. No.	Camp	Venue	Month/Year	No. of cadets participated
1.	National Integration Camp	Panchgani	May 2012	02
2.	National Integration camp	Gujarat	January 2013	02

Participation in Other Activities:

Sr. No.	Activity	Venue	Month/Year	No. of cadets participated/ volunteered services
1.	Anti-Terrorism Rally	Mumbai	May 2012	09
2.	Disaster Management Drill	B.N.Bandodkar College, Thane	September 2012	Entire unit
3.	Personality Development and Leadership Training Course	B.N.Bandodkar College, Thane	October 2012	10
4.	Aakanksha cultural festival	B.N.Bandodkar College, Thane	December 2012	10
5.	Navrang Cultural festival	Joshi-Bedekar College, Thane	December 2012	07
6.	Gandharva festival	Joshi-Bedekar College, Thane	January 2013	13
7.	Republic Day Parade	VPM's Jnanadweepa, Thane	January 2013	Entire unit

Noteworthy Achievements:

Sr. No.	Name of Cadet	Award	Event/Venue	Month/Year
1.	Momin Ali Ahmed	Best Anchor	NICcamp , Panchgani	May 2012
		Mr. Bandodkar	Personality Contest at Aakanksha festival	December 2012
2.	Kush Kode	Runner up for Mr. Bandodkar	Personality Contest at Aakanksha festival, B.N.Bandodkar	December 2012



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			College	
3.	Gajanan Patil and Momin Ali Ahmed (in group)	Group dance winner	NIC camp, Panchgani	May 2012
4.	Gajanan Patil and Prakash Sahani (in group)	'Best Pilot' and 'Best tent Pitcher'	ATC Camp, Mumbai	
5.	Gajanan Patil	Selected for 2013 Republic Day Parade and Camp in New Delhi as part of contingent from Maharashtra state NCC Directorate		

List of cadets awarded medals on Republic Day 2013 at unit level celebration in the college campus:

Sr. No.	Name of Cadet	Medal Awarded for / being the
1.	Abhijeet Barse	Best Cadet (jointly awarded) amongst first year cadets
2.	Shrawan Pawar	Best Cadet (jointly awarded) amongst first year cadets
3.	Rishikesh Ghorpade	Best Drill and turnout
4.	Atharva Deshpande	Best Drill and turnout
5.	Ketan Shirke	Best Cadet (jointly awarded) amongst second year cadets
6.	Kush Kode	Best Cadet (jointly awarded) amongst second year cadets
7.	Gajanan Patil	Performance in Republic Day Celebrations, New Delhi
8.	Mahesh Kaviskar	Winner of Company Commander's medal for drill
9.	Ankit jagtap	Winner of Company Commander's medal for drill
10.	Gurpreet Singh	Winner of Company Commander's medal for endurance
11.	Akshay Zore	Winner of Company Commander's medal for encouragement
12.	Vaibhav Bodke	Winner of Company Commander's medal for encouragement
13.	Prasad Pandit	Winner of Company Commander's medal for encouragement

iii) DLLE:

- 1st workshop of D. L. L. E. was conducted on 2nd August 2012 from 10:00 am to 03:00 pm in Patanjali Sabhagruha. This workshop organized by the University of Mumbai, was inaugurated by Dr. Pabrekar N.S.S S.L.O and the coordinator of the workshop was Dr. Vinda Manjramkar. The event was a guideline and an introduction to the various projects conducted by the Department of Life long Learning and Extension/ Education. Active participation for the event was noticed in the form of 82 students and 92 teachers from all over the colleges affiliated to the University of Mumbai. The students of V. P. M.'s B. N. Bandodkar College of Science readily showed their entrepreneurship (earn while you learn) i.e. hand painted pots with Warli paintings and all the guests of the event were felicitated with flowers in these hand painted pots. The remaining pots were sold as a part of entrepreneurship and the earned amount was used for the purchase of pots and colours.
- On 23rd August 2012, DLLE students meeting was conducted by Dr. Manjramkar to orient the students and give them general instructions.
- On 13th October – DLLE project distribution.

iv) WDC:

- In order to develop positive thinking in women an invited talk by Mrs. Sampada Wagale, a famous columnist and writer was organized by the Women Development Cell, B.N.Bandodkar College of Science on 12th December 2012 . The aim of arranging such a lecture was to inculcate good values and good mind management amongst not only girls but boys students as well because every individual no matter what gender they belong to have a significant role in building up a society and in turn a nation as a whole. Mrs.Wagale focused her talk, rather interaction by giving variety of examples on good living and values. The first example she gave was on values. She said “Man is known by his values”. The other points which she mentioned by giving wonderful examples are as follows:

1. One should always say sorry if they are wrong.
2. Never give suggestion to others if you can't follow them.
3. We can cheat the world, but not our self
4. You should do one thing at a time.
5. Broad thinking
6. One should have control on their anger.

In the last example on anger management she gave example of many famous personalities. Few among them are Boxer Mike Tyson, Cricketer Harbhajan singh, Bollywood star Shahrukh Khan and many more. She concluded the talk with the famous poem written by Kabir , which depicts that the ego always destroys you so if you want to be successful, you should not have ego in them. Around 125 students, 20 teachers and 4 non-teachers participated in the discussion.

- In recent incident of crime against women, an invited talk on “Women Beyond Boundaries” was organized on 3rd January 2013. Dr. (Mrs.) Shakuntala A. Singh,M.A., Ph.D., Post Doctorate in Philosophy, Principal, Joshi-Bedekar College, Thane (W) and Dr. (Mrs.) Madhuri K. Pejaver, Dean Faculty of Science (M.U.) and Principal, B.N.Bandodkar College, Thane (W) were invited as resource persons. Dr. Singh focused her talk on the fact that personality and behavior traits should be inculcated within us and also that internal control plays an important role in doing so. Girls should be careful about their surroundings and vigilant. And since women have the ability to identify and sense any indecent behavioral traits, only they can help themselves by simply being aware and cautious. Not to mention, self defense is also important for girls. Another fact that decent behavior and potentialities that ladies have should be experienced, actualized only then will a point come where respect will not have to be demanded but will come naturally and so shall the rights but not before the responsibilities and duties of being a part of the society are fulfilled. As can be quoted with a small hypothetical example where in if the society be considered a jungle, without following certain precautions, one cannot expect to go in such danger and come out unhurt. Dr. Singh also opined that the power of inside should be developed for that language and communication is required. Thus the need for expressing things arises as conflicts give rise to thoughts. And for this psychological bond within the family itself needs to be strong. There is also need for development with regards to the aesthetic sense of life along with language. Since the two most common factors affecting youngsters today are divorce and suicide. Apart, the role of men and women in the ancient times was also discussed as also things like the part each of the gender essayed in olden times were defined, where the man was supposed to be the provider and women the care taker. But with evolution and education, the change in attitude have grown the demand for



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rights and equality. As was mentioned about Manusmriti, an ancient literature in which certain rules are written as regards to the limitations and boundaries that should be followed by men and women in general. Epics say that women should behave in a certain way and possess definite qualities like sacrifice, compassion, tolerance and adjustment, an ideal example of being Lord Ram's wife Sita. Other famous women worth mentioning are Draupadi, Kunti, Mandodari, Savitri etc. to name a few. Lastly, coming to the role colleges play in inculcating this sense of responsibility among the youth. Dr. Singh and Dr. Pejaver were of the opinion that implementation of Uniforms and dress code for colleges is the justified need in today's time. Dr. Pejaver did not forget to bring up the fact that nobody objects or for that matter can stop women from pursuing their dreams but we have to follow certain rules, question ourselves and then accordingly set boundaries. Boundaries should be accepted and followed. The general belief that boys are allowed much more freedom compared to girls is not completely correct but the fact that boys don't follow restrictions and rules and misuse their rights is the reality behind. And here comes the responsibility of the mother again a woman to inculcate this thought into their young minds. A classic example quoted at this point was of Shivaji Maharaj and his mother Jijabai. Much convincingly Dr. Pejaver had put forth some positive statements like Freedom or no freedom, think what do we get? Can we be an idol? We should motivate ourselves to think, and start expressing, Thinking is different but acting is important. Last but not least she said that personality building is in our own hands, one should accept and correct himself. Healthy discussions and disciplined life style be inculcated and, the opposite gender should be appreciated and respected. Concluding lines "Accept the boundaries only then can we go beyond boundaries" Around 120 students, 20 teachers and 4 non teachers attended and participated in the talk.

v) Alumni Association:

A get-together of Alumni Association "Anubandha" of B.N. Bandodkar College of Science, was held on Saturday 22nd December 2012 at 5.00 p.m. in Patanjali Sabhagruha. 101 past students from various batches starting from 1969 to 2012 attended the meet. Our principal Dr. (Mrs.) M.K. Pejaver addressed the gathering. She clearly spelt out our expectations from the past students. She appealed to our past students to help our college in job placements, conducting training programs in personality development and any other vocation which is required by the industry in general.

In connection with this a steering committee with 20 past students was formed and was scheduled to meet in the last week of January 2013. The get-together concluded at 8.00 p.m. with serving of light refreshments and tea.

vi) Hiking / Trekking Committee:

On Sunday 19th August 2012, trek was planned to Peth Fort, Karjat. 49 students and 11 teachers actively participated.

vii) Yoga:

- Lecture of Sr. Surveji was arranged for FYJC Students on 25th October 2012 from 2.00 pm to 5.00 pm at Patanjali Sabhagruha.
- On 19th February 2013, a workshop was organised for all at Patanjali Yoga Kendra.



viii) Other Activities:

- On 19th October 2012 Staff Academy organised Guest Lecture by D.sawant, FRCS, Consultant Orthopaedic Surgeon.
- 16th to 20th October 2012 – Value added Course on “ Personality Development”.
- Career Melava
 1. Junior College – 29th and 30th November 2012
 2. Degree College – 1st and 3rd December 2012
- Annual Prize Distribution and release of Sanyuja on 24th January 2013 at Thorale Bajirao Peshwe Sabhagruha. Mrs. Usha Tambe was the Chief Guest.
- On 2nd March 2013, workshop on Applied Component – Environmental Science.
- On 17th March 2013, Research Scholars Get together at Panini Auditorium, VPM's Dr.V.N.Bedekar Institutes of Management Studies

E) EXCURSION:

Department of Biotechnology and Microbiology

One Day Student's Industrial Visit to Bhandup Water Purification plant, Bhandup (W), Water Department BMC. Total 90 students were visited to the plant, 89 of S.Y.B.Sc and T.Y.B.Sc Microbiology, Biotechnology department and 1 MSC EVS part –II student.

Dr. Nilambari Daripkar, Dr. Ashwini Pande, Ms. Sonal Mathias and Mr. Ketan Thatte were the faculty members arranged for the smooth conduct of visit. The visit started at 10.00 am and was finished by 3.00 pm. The visit included demonstration of various instruments, sand filters, flocculation tanks, sludge digesters, alum treatment and chlorination. They also explained various water reservoirs from where we get raw water along with their capacities. Students also visited the Quality Control laboratory.

Department of Botany

Botanical Excursion of T.Y.B.Sc. students was conducted at Vangani on 8th January 2013. The group comprising fourteen enthusiastic learners surveyed the natural flora in the area adjoining Ulhas river at the location where the river separates Thane and Raigad districts of Maharashtra. They also visited the plant nursery at 'Sawantwadi Agro-tourism Centre' at Vangani. The organizers are thankful to Shri Vishwanath Sawant of 'Sawantwadi Agro-Tourism Centre' for providing valuable information on agro-tourism and help rendered in conduct of the study tour.