



Activities Academic Year 2014 – 2015

Sr. No	Date	Department / Committee	Resource Person	Event / Activity
1.	09 June 2014	College	Prin. Dr. (Mrs.) M. K. Pejaver	Inaugural Lecture for S.Y. & T.Y.B.Sc of aided and unaided courses.
2.	09 June 2014	College	Prin. Dr. (Mrs.) M. K. Pejaver	Inaugural Lecture for S.Y. & T.Y.B.Sc. (I.T)
3.	19 June 2014	College	Prin. Dr. (Mrs.) M. K. Pejaver	Inaugural Lecture for F.Y.B.Sc.
4.	28 June 2014	Physics	Mr. Amit Seta, an eminent researcher from UM-DAE's Centre for Excellence in Basic Sciences, kalina	Guest lecture on "Research work in Astronomy".
5.	28 June 2014	Biotechnology and Microbiology	Ms. Priyanka Barmukh and Ms. Rucha Kulkarni who have cleared 'All India JNU Exam' with rank 18 and 716 respectively	Guest lecture on 'Preparations for the Competitive Exams'
6.	02 July 2014	College	Prin. Dr. (Mrs.) M. K. Pejaver	Inaugural Lecture for M Sc. Environmental Science Part I & II
7.	02 July 2014	College	Prin. Dr. (Mrs.) M. K. Pejaver.	Orientation lecture for T.Y.B.Sc. related to Semester V & VI examinations & Add on Courses
8.	05 July 2014	Department of Environmental Science	Ms. Shawna Rebello M.Tech (HSE), UPES, Dehradun	Guest lecture 'Campus Environmental Audit'
9.	04 July 2014	NSS	NSS coordinator Prof. Pariya	Orientation lecture for F.Y., S.Y. & T.Y.B.Sc.
10.	05 July 2014	Physics	A Guest Lecture on "The Science of Space Weather"	
11.	July 2014	NCC	Enrolment drive: Students from the Jnandweepa Campus participated in the drive.	
12.	12 July 2014	Physics	Prof. Siddharth Kasturirangan, young scientist and very popular teacher from Institute of Chemical Technology, Matunga, Mumbai	"Guest Lectures on Physics by Young Scientists" Lecture on "Atomic collision processes in highly charged ions and plasmas"



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13.	19 July 2014	Physics	Prof. Chetan Gurada, a young professor as well as researcher from Mumbai University Department of Physics (Autonomous), Vidyanagari,	Lecture series "Guest lecture by young Scientist". Lecture on "World of Nano-science".
14.	24 to 25 July 2015	Cultural Association	Mr. Amit Sonawane Govt. Diploma in Fine Arts from J. J. School of Arts, Mumbai	Fine Arts workshop: paintings, clay modeling, collage making
15.	26 July 2014	Physics	Prof. Anil Raghav Researcher, UOM	Guest lecture "Temporal Variation of Cosmic Ray flux"
16.	02 August 2014	Cultural Association	Mr. Anish, Mr. Shushil Mourya, Ms. Sophiya Koli Dance Villa Production	Dance event "International Zouk Flash Mob (IZFM)" to train students in zouk dance
17.	11 August 2014	College for Mumbai University	Intercollegiate competitions: Miss. Medi Ravdi (FYBSc) won the 1 st Prize in classical dance category.	
18.	27 August 2014	Cultural Association	Jayprakash Bhande (Director, producer & cinephotographer)	Inaugural program
19.	01 August 2014	College	VPM Foundation Day. Tree Plantation	
20.	01 August 2014	Physics	Parents teachers meeting.	
21.	02 August 2014	Physics	Prof. Padmanabh Sarpoddar Researcher, Khare - Dhare College, Guhagar, Ratnagiri	Guest lecture: "Technique of Interferometry and Lunar occultation in Radio Astronomy".
22.	06 August 2014	Chemistry	Mr. Vidyadhar Walavalkar, V. P. M. Polytechnic, Thane	Chemistry Club "URJA" "Environmental Everyday-Green Carriers"
23.	06 August 2014	Biochemistry	Competition "Name for fame" F.Y., S.Y. and T.Y.B.Sc. Biochemistry students	
24.	07 August 2014	Biochemistry	Dr. Nupur Mehrotra Co-ordinator of Biochemistry, Mithibai College	Biochemistry club "JIVIKA Lecture on 'Food and Drug Interaction',
25.	07 August 2014	Environmental Science	Workshop on "Paper Bag Making"	



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26.	09 August 2014	Zoology	Dr. Manoj Muni Research scientist at BNHS	Green Force Nature Club Lecture on "Biodiversity and its conservation".
27.	09 August 2014	Zoology	Film Show: 'FRESH WATER as a resource'	
28.	12 August 2014	Botany	Dr (Mrs.) Unnati Padalia, Associate Professor of Microbiology, K.J Somaiya College Dr (Mrs.) Sunita Chahar, Head of the Department of Botany, Ratnam College	Pre-conference preparatory workshop "New and emerging trends in bioinformatics and taxonomy"
29.	15 August 2014	VPM	Dr. Bedekar	Independence Day. Flag Hoisting
30.	25 August 2014	Environmental Science	Study tour to Maharashtra Nature Park	
31.	27 to 28 August 2014	Environmental science.	Workshop on Eco-friendly Ganesh Decoration.	
32.	28 August 2014	Biotechnology and Microbiology	Movie club • Story of Stuff about waste management • Documentary on Flamingoes "In the Pink" • Documentary on "Science of superstition -2012"	
33.	28 August 2014	Cultural Association	Variety Entertainment program for the Japanese delegates	
34.	29 August 2014	Biotechnology and Microbiology	Mrs. Sheetal Pachpande	Journal club • How to do referencing" • "How to write dissertation
35.	05 September 2014	VPM	Teacher's Day. Convocation	
36.	06 September 2014	Environmental science.	Workshop on Handmade paper making	
37.	06 September 2014	Environmental Science	Mr. Santosh Kadam Disaster Management Officer (RDMC)	Workshop on Disaster Management
38.	10 September 2014	Environmental science.	Mr. Chinmay Khanolkar, Project Manager, Eco Foot Forward, Mumbai.	Workshop on "Tree Census of VPM Campus"
39.	12 September 2014	Sahitya Sahavas	Discussion on Social Issues (Social-Problems) in the society	



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40.	13 September 2014	Zoology	Dr. Sachin Junagade M.D. Homeopathy	Guest lecture on 'Homeopathy from a different window'
41.	17 September 2014	Department of Hindi	Dr. Mr. Mukesh Gautam Mr. Suresh Mishra T .V. Artist and poet	Bhasha jagruti Hindi Diwas Theme : "Problems of women in India." Students presented a skit "Dahekate angare".
42.	18 September 2014	Cultural Association	Swami Samarth Light Vocal Music Competition.	
43.	27 September 2014	Examination Committee	Dr Mrs. N. N. Patil, Examination Chairman	Orientation lecture for Teachers regarding Examination duty and reports submission
44.	01 October 2014	Environmental Science	Principal Dr. (Mrs.) M. K. Pejaver	Preparatory workshop on Solid Waste Management
45.	06 October 2014	Environmental Science	Principal Dr. (Mrs.) M. K. Pejaver	Guest lecture on Water Conservation
46.	10 to 11 October 2014	Environmental Science	Dr. Lata hanshamnani (Ophthalmologist) & others	Workshop on Solid Waste Management.
47.	03 November 2014	Environmental Science	Dr. Kaberi Kar Gupta, Adjunct Professor, California state university, fresno, U.S.A	Guest lecture by Urban Biodiversity and Water Use in California
48.	25 November 2014	College	District level competition of Intercollegiate Research Convention "Avishkar 2014-15"	
49.	05 to 17 December 2014	Gymkhana	Indoor activities	
50.	11 to 12 December 2014	Information Technology	Prof. Hiren Dand, Coordinator, IT Department, Mulund College of Commerce & others	Two days IT Fest "PIXELS"
51.	12 December 2014	Botany	Visit to Kisan Expo, Moshi, Pune for FYBSC Botany students	
52.	13 December 2014	College	Dr. Raju Kasambe ornithologist	Environmental Awareness Lecture series. "Threatened Birds Of Maharashtra"
53.	13 December 2014	Employment cell	Dr. Nitin Joshi, Professor at Dr. V. N. Bedekar Research Institute of Management Studies.	Guest lecture "Understanding Marketing through the Sale of Greeting Card"



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54.	13 December 2014	Cultural Association	Mr. Raj Kandalgaonkar "The First Akshar Ganesh Kalakar" from Ulhasnagar,	Programme "Akshar Ganesh"
55.	15 December 2014	Biotechnology & Microbiology	Fest KIOSK Events: 'Biorangoli competion', treasure hunt, 'Sherlock minds', 'dumb charades', 'Fictionary' and 'hare n house'	
56.	14 to 15 December 2014	Botany & Research Committee	National Conference on New and Emerging Trends in Bioinformatics and Taxonomy 'NETBT 2015'	
57.	18 December 2014	Cultural Association	Mr. Gopi Bhosale (Actor and Director)	Workshop "Acting Chi Factory"
58.	20 December 2014	Library	Mr Shriram Shidhaye, Retd Sub Editor, Maharashtra Times	Talk on How to develop reading Habit
59.	23 to 24 December 2014	College	College festival Akansha: Indoor and outdoor activities, Personality contest, Light Vocal Singing Competition, Solo Dance competition	
60.	22 December 2014	College	Annual Athletic Meet	
61.	26 January 2015	College / VPM	Republic Day	
62.	27 January 2015	Mathematics	Prof. Miriam Amit Dean, Ben-Gurion University at Eilat, Israel	Mathematics club "Siddhant Lecture on "Ethnomathematics, integrating culture and classroom experience – an international perspective"
63.	31 January 2015	College	Mr. Makarand Joshi Owner of Vihang Travels	Environmental Awareness Lecture series. "Biodiversity in Urban areas"
64.	02 February 2015	VPM / College	Dr. Vijay Bedekar Chairman, VPM	Convocation Ceremony
65.	14 February 2014	College	Dr. Deepak Apte Chief Operating Officer at BNHS	Environmental Awareness Lecture Series: "Coastal Biodiversity"
66.	14 February 2015	Information Technology & Computer Science	Mr. Devdatta Pawar, Project Manager, TCS & others.	Seminar on 'Practical Implementation of Project Management Concepts'
67.	25 to 26 February 2015	Botany	The skill oriented course on 'Home scale preparation of fruit jams, squashes and syrups'	
68.	26 February 2015	Library	Books exhibition on "Swatantryavir Savarkar"	



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69.	28 February 2015	College	National Science Day celebration: Publication of College e-Journal J-BNB third issue	
70.	14 March 2015	College	Mr. Avinash Bhagat, Project Coordinator, Envirovigil	Environmental Awareness Lecture. "Snakes around Mumbai"
71.	31 March 2015	College	Dr. Sasikumar Menon Endocrinologist, and Director of TDM Laboratory	Environmental Awareness Lecture series. "Songs of birds"
72.	30 March 2015	Library	Study tour to Indian Institute of Technology (IIT), Powai	
73.	14 April 2015	VPM	Smruti Din	



Activities 2014 – 15

I) Academic Activities:

a) Inaugural Lectures:

At the commencement of each academic programme our Principal Dr. Mrs M.K. Pejaver delivers an Inaugural Lecture to our students to make them aware about college general Rules and Regulations, facilities and new activities etc.

Following Inaugural Lectures were conducted at the beginning of year 2014-15 for the students of

- S.Y. & T.Y.B.Sc of aided and unaided courses on 9th June 2014.
- S.Y. & T.Y.B.Sc. (Information Technology) on 9th June 2014.
- F.Y.B.Sc. CBZ / PCM / PMS / IT / Biotechnology / Microbiology on 19th June 2013.
- M Sc. Environmental Science Part I & II on 2nd July 2013
- By the Prin, Dr. (Mrs.) M. K. Pejaver.

b) Orientation Lectures:

Following Orientation lectures were conducted for students of

- T.Y.B.Sc. related to Semester V & VI examinations & Add on Courses on 2nd July 2013 by Prin, Dr. (Mrs.) M. K. Pejaver.
- F.Y., S.Y. and T.Y.B.Sc., NSS by NSS coordinator Prof. Pariya on 4th July 2013.
- Orientation Lecture for Teachers regarding Examination duty and reports submission was held by Dr Mrs N.N.Patil, Examination Chairman, on 27th September 2014.

c) Parents Meeting:

A meeting of physics teachers of degree college with parents and students of T.Y.B.Sc. was arranged on Saturday at 04 pm in Patanjali Auditorium. The meeting was organised to

- 1) Solve problems faced by students in Laboratory and theory lectures.
- 2) Discuss progress of students
- 3) Find individual problems of students
- 4) Develop cordial relations with students, their parents and teachers.

II) CO - CURRICULAR ACTIVITIES:

a) Club Activities:

Mathematics Club “Siddhant”

Mathematics club “Siddhant” organized a talk on “Ethnomathematics, integrating culture and classroom experience –an international perspective” by Prof. Miriam Amit, Dean, Ben-Gurion University at Eilat, Israel on 27th January, 2015 at 11am in Patanjali Auditorium.

The program was anchored by Miss. Rubina Shaikh, student of T.Y.B.Sc. Mathematics. It started with the Saraswati Vandana & welcome song presented by Miss. Chinmayee Shukla, student of S.Y.B.Sc. Biotechnology.



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Vice-principal Dr. Athalye Sir gave welcome speech & Shri J.N.Kayal, Jt.Secretary, VidyaPrasarak Mandal, guided the students with his valuable words. Dr. S.C.Agarkar, Dean, VPM's Academy of International Education & Research, introduced the Chief Guest Prof. Miriam Amit.

Prof. Miriam Amit introduced view of Ethnomathematics around the world. She gave examples of different cultures around the world to show the lack of proportional reasoning in tribal peoples. She also mentioned that, in India, tribal people have excellent proportional reasoning without learning mathematics. At the end, she presented a systematic research on integration of ethnomathematics by one of her student.

The program concluded by the vote of thanks presented by Mrs. M.T.Wankhede, Head, Mathematics department. Teaching staff of various institutes of VPM & around 100 mathematics and statistics students attended the program.

Chemistry Club "URJA"

The inauguration of "Chemistry Club" (URJA) was held at the hands Mr.Vidyadhar Walavalkar, V.P.M.Polytechnique, Thane on 6th August 2014. He delivered a talk on "Environmental Everyday-Green Carriers"

In his inauguration talk, Sir explained the concept of green approach in chemistry, how is it related to every day science. He measurably stroked on "Environment Chemistry such as water pollutions, air pollutions, hemicals and Green Carriers etc ". He also focused on development of different schemes to make pollution free routes in synthesis and stressed for creating awareness among the students and social communities towards causes and controlled measures for environmental destruction.

Programme was arranged for students to inculcate social values of science which was explained by Dr.M.V.Rathnam; coordinator of Chemistry Club and the functions of the committee were explained by Mr.D.R.Ambavadekar.

Overall 125 Undergraduate, post graduate students and teachers interacted with the chief guest.

Biochemistry club "JIVIKA"

For the first time, the departmental competition "Name For Fame" was arranged on 6th August 2014 at 12:00 pm. for F.Y.,S.Y. and T.Y.B.Sc. Biochemistry students. All students suggested suitable names along with explanation for the club. The result of competition was declared on 7th August 2014 on the occasion of inauguration of the Biochemistry club.



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The name was inaugurated by our honorable Vice-Principle Dr. Athayle as “**JIVIKA**” and prize winner; Dhanashree Patil from S.Y.B.Sc. explained the significance of name ‘**JIVIKA**’.

Along with the inauguration of the biochemistry club “3 days workshop on -Basic principles: Standardization and preparation of solutions.” was inaugurated at the hands of Chief-Guest Dr. Nupur Mehrotra; Co-ordinator Of Biochemistry, Mithibai College. She welcomed the name “**JIVIKA**” and appreciated the winner for the explanation.

Prof Ambavadekar, HOD Chemistry; explained why such type of certificate course is necessary and how it is beneficial to the students? Dr. A.S. Goswami- Giri ; Coordinator of Biochemistry expounded the biochemistry term by giving the example of NaCl (table salt) its applications and role in the body mechanism. To measure exact concentration of compounds and to know the mechanism, standard solution with effective concentration is essential otherwise it vaguely produces toll on human body. The same was elaborated by Dr Athaly, Vice principal by adding the number of diseases. The magic of Cells, metabolic reactions in body, were explained in small movie.

Dr. Nupur Mehrotra guided students of biochemistry and chemistry on ‘Food and Drug Interaction’, which was very informative and useful. She explained the term drug-nutrient interactions and the effect of medications on nutritional status. She gave brief information of how can drug or combination of drug show physiological and biochemical effect on body by giving specific examples. Effects of drug on appetite, oral cavity, taste, smell, changes in pH of body fluids due to drug administration were explained.

After inauguration Dr. Nupur Meherotra visited biochemistry department and interacted with teachers and students.

Zoology Club “Green Force Nature”

i) Biodiversity and its conservation:

Inauguration ceremony was organized on Saturday, 9th August 2014 at Patanjali Auditorium at 9.30am to 11.00am. The theme of the inauguration ceremony was ‘**Biodiversity and its conservation**’. Session was inaugurated by eminent personality **Dr. Manoj Muni** which was opened for all the degree college students. Sir had worked in BNHS from the year 1987 -2000 as Research scientist. Currently he runs his own consultancy which aims at “Biodiversity Conservation”. He rediscovered the ‘world’s rarest bat’, Salim Ali’s Fruit bat (*Latidens salimalii*) on 8 April, 1993.

More than 80 students along with all the staff member of Zoology Department attended ceremony. Students were guided for biodiversity conservation and its importance in everyone’s life. Sir also went through all the phylum of kingdom animalia and how they evolve and learn to survive over a period of time in environment, moreover in spite of having powerful brain why human have



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not adapted rather he is responsible for his own death and not the environment. Sir advised various projects which can be done at T.Y.B.Sc. level and also advised students that they can conserve the environment by their own insisting that every time government bodies won't be able to functional.

The session was ended by thanks giving form Ms. Roshani Mehra, one of our T.Y.B.Sc. students. At last Coordinator of Zoology club, Prof. S. D. Rathod concluded the session.

ii) Film Show: 'FRESH WATER as a resource':

A film show was organized in Patanjali Auditorium at 2.00 to 3.00pm. Theme of film show was 'FRESH WATER AS A RESOURCE'. Film show focused on the importance of fresh water, its availability to mankind as a resource and biodiversity dependent on it. This **BBC film** (under a series of 'Planet Earth') had astonishing aerial views of important world's fresh water bodies like lakes and rivers. Film started with Grand Canyon; ventures on great Nile and Amazon Rivers; Great water falls; Great Lakes of America and Malawi and concludeed with the outflow of fresh water from land masses to the oceans where it highlights the animals living in the brackish waters created due to mixing of the marine water with fresh water such as Gangetic delta. It captured eye-catching behaviors of various fresh water organisms like torrential worm, giant salamander, Amazonian piranhas and dolphins, Malawi cichlids etc.

It was ordained to inculcate the importance of the fresh water as a resource in the students and orient them towards its conservation. The film was introduced by Prof. S. D. Rathod, coordinator of Zoology Club, Department of Zoology. The show impressed the students highly as they were found discussing the topic even after the session. They demanded similar show in the future programs.

iii) 'Homeopathy from a different window':

Guest lecture by Dr. Sachin Junagade (M.D. Homeopathy) was organized by zoology club on Saturday 13th Sept. 2014 at 2.00pm to 3.30 pm in Patanjali Auditorium. The theme of the lecture was 'Homeopathy from a different window' which focused on better living with homeopathy and its recent trends. We have been often ignoring the alternative medicines since we have adopted conventional medicines as our principle medication which recently led us to lots of side effects. On other hand manufacturing such medicines also put heavy pollution-pressure on our surroundings and resources. Although we accept that there are no alternative to conventional medicines (such as allopath) in certain ailments, we also can rely on other parallel medicines (such as homeopathy and Ayurveda) for specific ailments where conventional medicines are not working. Since, 'health is wealth' it was endeavored, through this program, to enlighten the status of other medicinal practices which may corroborate to be alternative to the harmful medication for our better living.



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Dr. Sachin Junagade has been working as Professor in one of the three Post Graduate Homeopathy colleges in Maharashtra at Dr. M. L. Dhawale Memorial Homoeopathic Institute Dahisar, Mumbai since 2006 and also pursuing private consultation in Homeopath. He has been designated as Reader in the department of Organon of Medicine –from 2010 till date.

Dr Sachin Junagade started with an interactive session asking what the audience know about Homeopath. He slowly migrated from the origin and history of the homeopathy, its bases, the Materia-medica and its outcome during his talk. Dr. Sachin Junagade highlighted that despite homeopath can cure the chronic ailments like osteoarthritis, Dysmenorrhoea, Neuralgias, migraine, skin diseases, mastalgia, urethral syndrome, colic problems, warts, allergies, autoimmunity where allopath doesn't work. He advocated that the homeopath can also take care of certain traumatic cases. He demonstrated a video that cured a child having severe pneumonia and a child having skin irritation using homeopathic treatment within 24 hours.

Employment Cell-GRAB IT

The employment cell at the college aims to keep the students aware of the current market trends and needs as this helps the students gain an insight into their blind spots. This helps them become aware of where they need to improve and develop themselves. There by becoming more and more employable. Keeping the same in mind, a session was planned for the students on 13th December 2014 on Understanding Marketing through the Sale of Greeting Card, as Marketing is of prime importance in these days of severe competition. 86 students attended the session delivered by Dr. Nitin Joshi, Professor at Dr. V. N. Bedekar Research Institute of Management Studies.

Dr. Joshi chose a very innovative and an impressive way of introducing marketing to the students by selling them some confidence, and then through various interactive activities the session rolled on. The students were oriented with the 7 Ps of marketing with such an ease that students could answer the Ps put forth by Dr. Joshi. The efforts taken by VPM in the form of the Greeting Card Project, so as to help students gain experience of marketing were highlighted towards the end of the session.

Our Principal Dr. Mrs. M. K. Pejaver, also encouraged students to take part in this unique opportunity provided to them, and requested the interested students to register at the office. This platform was also used to address the students of the new Business English Certificate Course initiated by the VPM.



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The students were pleased with all the new knowledge acquired and would start registering at the office from 15th December 2014 for the next Marketing session, that would focus entirely on the sale of greeting cards.

Movie club

Several movies were screened for MOVIE CLUB (2014-15)

Movies with awareness values such as

- Story of Stuff about waste management
- Documentary on Flamingoes "In the Pink"
- Fictional documentary "Science of superstition -2012" were watched and discussed by students and teachers.

Journal club

Following activities were conducted through JOURNAL CLUB

- Lecture on general research methodologies by University of Berkeley was Screened
- Presentations by students on their research work
- How to do referencing" by Mrs. Sheetal Pachpande
- "How to write dissertation" by Mrs. Sheetal Pachpande

b) Environment Awareness Lecture Series:

Snakes around Mumbai:

The snakes are one of the most wrongly interpreted creatures in the world." said Mr. Avinash Bhagat, an expert on snakes; in his lecture "snakes around Mumbai". The talk was organized by our College, through Environmental Awareness Lecture series on 14th March 2015

Mr. Avinash Bhagat has been associated with Envirovigil as a project Coordinator. Being worked as a Snake Rescuer for more than 5 years he has excellent knowledge about snake behaviour and shared many personal experiences with the audience. He started his talk by introducing audience with snakes and their basic characteristics like body structure, senses, breeding, parental care, venom, Skin shading and general life cycle. It created a basic understanding for common people in the audience to comprehend further advanced concepts about snakes.

He explained that on the basis of venom, snakes are broadly classified into three categories as Non venomous, semi venomous, and Venomous. First he showed with photographs the different species of non venomous snakes found near our area. He included various species of terrestrial



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snakes such as rat snakes, Common trinket, boas, Indian rock python; snakes living near water bodies eg. Dog faced water snake, checkered keelback and arboreal snakes (living on trees) eg. bronze back tree snake, wolf snake etc. along with their common name, local name, their identification characters, habitats and feeding habits. He also told that people kill these harmless snakes just by mistakenly considering them as venomous.

Lastly, he did not forget to make people aware of the types of venoms such neurotoxic and haemotoxic, their effects on the human body, first aid treatment that has to be provided immediately to the victim after the bite and underlined the importance of anti-venom and institutes like Haffkine Institute, Mumbai which prepare them.

More than 50 people including student from various colleges, visitors and members of HOPE attended the talk.

Life Underwater

Our earth as we call it correctly the “Blue Planet” comprises more than 70% of water in oceans. Boundaries and bottom of the Oceans harbour tremendous diversity of organisms which is unique. Marine biodiversity is the variety of life found in coastal and sea environments. Very few researchers are working in these environments as these environments are difficult to work with. One such eminent and well known scientist is Dr. Deepak Apte, who is Chief Operating Officer at BNHS and has more than 23 years of research experience in the marine world. On 14th February 2015, Dr. Deepak Apte delivered a brainstorming talk on “Coastal Biodiversity”.

The talk started with introduction of enormous biodiversity India possesses on the coastline. He said that it is very unfortunate that the country with 8000 km of coastline has only few thousand of species which are known. India being among the 12 megabiodiverse countries of the world, there are lot of species especially in marine ecosystems which are awaiting light of research.

In the last part of his session, he made people aware of current scenario of our coasts and seas. He sadly mentioned that the marine conservation is overlooked easily in the issues of EEZs, Coastal developmental projects and trades and transports by ships. He discussed in detail conservation related problems such as Kharlands in Konkan, Sea level rise, Coral bleaching, hunting and poaching and Policy related disfunctionalities. He reckoned that the grass root level people are poor and conservation cannot be completed without economic upgradation of these local communities. He also added that, conservation is tricky; by planting mangroves on mudflats, we are destroying feeding grounds of migratory birds on other hand. He concluded his lecture by stating that conservation needs broad understanding and thus has to be implemented dispassionately and “When



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you are underwater, each breath counts”- Words were carved on everyone’s mind, though the lecture ended.

More than 50 people including student from various colleges, visitors and members of HOPE attended the talk.

“Nature in a Metro”

A few people like Mr. Makarand Joshi, Owner of Vihang Travels, make an effort to study and educate people about this hidden treasure. He delivered a thought provoking talk on “Biodiversity in Urban areas” on Saturday 31st January 2015. He explained different concepts in a very simple way though from arts background. Being resident of Thane city for more than 20 years, he concentrated his talk on the diversity found in and around Thane city.

He started his talk by quoting Thane as “Lake City” as there were more than 80 lakes in 1900s the number now has been reduced to 35 today because of increasing population. He also surprised audience by mentioning that there is a document which says that there was a trader who used to collect pearls from thane creek and sell them. Today the Creek is almost devoid of biodiversity because of pollution and used as dumping ground.

He stated that there are 87 gardens in the city and 301 different species of trees have been recorded by Forest department as per 2010 census; which is an excellent number for a city like Thane. Species like *Delonix*, *Jacaranda* etc though non native now has been accepted by birds as nesting trees. The city has quite good number of native species like Mango, Tamarind, *Ficus*, *Bombax*, Guava, Kadamba, Jamun, *Saraca*, *Bauhinia* etc. which should be protected and preserved. Other species like *Cassia*, Indian coral tree are excellent food resource for butterflies, birds and bats. He also told an interesting fact about water storing African Baobab tree whose bark is consumed by African elephant when there is water scarcity.

He ended his talk by giving message of reducing plastic, garbage, vehicular emissions and other solid waste to reduce the pollution and recycling of water and sustainable use of natural resources so that this treasured can be preserved.

More than 40 people including student from various colleges, visitors and members of HOPE attended the talk.

Songs of Birds

Morning walk and bird songs give perfect needed relaxation for human body. Many people enjoy listening to the songs of birds in their backyard. Expert birders go even farther, collecting a mental library of bird songs and using sounds to lead them to more sightings. One such eminent



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personality, Dr. Sasikumar Menon gave a great talk on “songs of birds”. Though Dr. Sasikumar Menon is an Endocrinologist, and Director of TDM Laboratory by profession he is known as a great naturalist who was blessed with an opportunity to work with famous Ornithologist Dr. Salim Ali.

The song of very first bird introduced in the talk was of the common House sparrow. Children learn the sparrow's call as Chiu Chiu, but after listening to two different calls, one could make out the noticeable difference between bird call and bird song. The talk revealed that, Most birds draw on a repertoire, or variety of sounds such as whistle, click sound, buzzing, sharp chirp, bark to impress and attract a mate or declare territorial boundaries; and briefer calls, typically used to identify family members, announce the presence of a predator, or convey information about food.

The talk highlighted phenomenon like brood parasitism in Asian Koel which lay their eggs in the nests of other species (the "hosts"), and have their offspring raised by the host parents. Though Koel chicks are raised by crows, they learn 'Koel song' from other mature males, once they come out of nest.

Different Indian and Foreign bird species such as European robin, Great Tit, Sedge Warbler, House sparrow, strawberry finch, rufous collared sparrow, white throated dipper, sunbird, red vented bulbul and many more were mentioned in the presentation. The differences in vocalizations were elaborated with the help of Sonograms. Dr. Menon expressed concern over the dearth of researchers working on bird songs in India and invited younger generation to develop interest in this field.

He briefed audience about the various instruments such as Microphone; Softwares like Syrinx, Olympus L53/7/10, Sony PCM -M10, Canary etc. used for recording and precaution needed at the time of recording.

More than 100 people including student from various colleges, visitors and members of HOPE attended the talk.

“Threatened Birds of Maharashtra”

Many species are on the verge of extinction today. Their number is depleting at an alarming rate. On 13th December 2014, eminent ornithologist Dr. Raju Kasambe delivered a thought provoking talk on ‘Threatened Birds of Maharashtra’. The threatened status means a plant or animal is likely to become endangered in the foreseeable future.

The talk started with quote, “We do not inherit the earth from our ancestors; we borrow it from our children”. Unfortunately nobody feels it in that way today.

Habitat loss has been mainly due to increasing urbanization, deforestation, pollution, etc. further, hunting had taken away, once flourished beautiful birds like Siberian Crane, Pink headed Duck, Jerdon's Courser from us. These species are extinct today.



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Dr. Kasambe also mentioned to rediscover forest owl commonly called ranpingla/duda after 117 years was a treat for bird watchers. Though rediscovered, the bird is under serious threat today due to habitat destruction for cultivation. He also narrated an interesting incidence of Dr. Salim Ali, great ornithologist who could not find forest owl at Satpuda because he was searching the bird in the night while this species is diurnal. He also mentioned about the effort taken to promote the forest owl as a state bird of Maharashtra as it is endemic to Satpuda ranges of Maharashtra state and needs immediate attention.

An apt mention of the ancient bird from Ramayana, the Sarus crane; which is found in eastern Vidarbha, Gondia and Bhandara districts is also under threat. Hence in order to save this bird, conservation and awareness program called 'Sarus mitra' is being organized by various Non governmental organizations. This has helped to restore the Sarus crane population as the farmers who find this crane in the farm are felicitated with certificates and medals. This has attracted farmers towards protecting and conserving saras cranes and their nests. He also touched upon the issue of vulture crisis.

More than 60 people including student from various colleges, visitors and members of HOPE attended the talk. Many of them came to know about the talk through newspaper. Overall the programme got a very good response and B. N. Bandodkar College of Science in collaboration with HOPE aims to come up with more such activities in future.

c) Guest Lecture:

Campus Environmental Audit

A lecture on environmental audit was conducted on 5th July 2014 at 11:00 am to 12:00 pm in the Department of Environmental Science (EVS). Total 17 students of M.Sc Part II attended the lecture.

Ms. Shawna Rebello, ex-student of M.Sc Environmental Science (EVS), currently pursuing M.Tech (HSE), UPES, Dehradun was guest lecturer. She gave presentation on the topic 'Campus Environmental Audit'. She was the student from first batch of M.Sc EVS and has done her dissertation (2011-12) on 'Energy audit' of the college. She explained students about the methodology of audit used by her. She also discussed about other categories that could be audited such as Solid Waste, Water, LPG, so that good management strategies can come in place.

The students had good interaction and were encouraged and showed interest to perform such audits. The talk was also attended by some M. Sc. Environmental Science Staff members.

Temporal Variation of Cosmic Ray flux (Physics)



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Guest lecture by Prof. Anil Raghav, a young professor as well as researcher from Mumbai University Department of Physics (Autonomous), Vidyanagari, Mumbai was organised on 26th July 2014. This was the **fifth lecture** in the lecture series "Guest lecture by young scientist". The topic for the lecture was"

Temporal Variation of Cosmic Ray flux".He started with definition for cosmic rays and proceededfor his expedition in research work. He briefly described the process he followed for his research work which also included experimental set up details, current observation and their physical interpretation.He discussed cosmic ray variation during solar Eclipse, lunar eclipse, full moon,new moon and CME events.He introduce two ways for research, literature survey method and Basic instinct method.The talk endedwith future plans.

Around 150 students from M.Sc. and B.Sc. attended the lecture. department.Lots of questions were asked from student as well as teachers and Prof. Anil answered them elegantly.

A good discussion was seen between Prof. Rathod of Biology and Prof. Anil regarding cosmic ray effect on biological bodies.This lecture is definitely useful for M.Sc. and B. Sc. Students for project as well as research work.Lecture started at 11:00 and got over at 12:40 with vote of thanks.

Technique of Interferometry and Lunar occultation in Radio Astronomy (Physics)

Guest lecture by Prof. Padmanabh Sarpoddar, a young professor as well as researcher from Khare-Dhere College, Guhagar, Ratnagiri was arranged on 2nd Aug, 2014. This was the **sixth lecture** in the lecture series of "Guest lectures by young scientist".Topic of the lecture was "Technique of Interferometry and Lunar occultation in Radio Astronomy". Prof. Padmanabh started with introduction to observable radiation on earth and explained the use of radio telescope in astronomy. He briefly explained the working of radio telescope and technique of interferometry used in array of radio telescope to observe far away objects in universe. He also introduced lunar occultation method to observe stellar sources.

Around 100 students from M.Sc. and B.Sc. attended the lecture.Lots of questions were asked and prof. Padmanabh answered them up to their satisfaction. This lecture is definitely useful for M.Sc. and B. Sc. students for their project work and enlightens them about the basic concepts of measurement techniques in Astronomy. The lecture started at 11:00 and got over at 12:30 with vote of thanks.



Urban Biodiversity and Water Use in California

The talk on “Urban Biodiversity and Water Use in California” was given by Dr. Kaberi Kar Gupta, Adjunct Professor, California state university, Fresno, U.S.A dated 3rd November 2014. Total 20 students from department of Environmental Science and Biodiversity, Wildlife conservation and management attended the talk.

The lecture started with stress on the importance of water. Water is a key resource in urban ecosystem. What drives water consumption? Food and agriculture, which accounts for the majority of water withdrawals globally; Energy, for which the quantities of water used (consumptively and non-consumptively) are rarely reported and thus are poorly known; Industry, which covers an exceptionally broad range of income-generating activities with equally broad impacts on both the quantity and the quality of local water resources and the environment; Human settlements, which includes water for drinking and household uses such as cooking, cleaning, hygiene and some aspects of sanitation; and Ecosystems, whose water demands are determined by the water requirements to sustain or restore the benefits for people (services) that societies want ecosystems to supply. Household consumption of water is shaped and constrained by: Home design, Residential landscape design (type of plants, yard layout), Status honor gained by conspicuous consumption of resources, decreased consumption through newer technology and design that may be linked to greater environmental awareness and household water use in Fresno, no meter water bill is at a flat monthly rate. Urban long term research area Fresno ecosocial study was conducted. Some of the common research questions that arise include:

- How are institutions of governance and individual decisions related to water use and availability in an urban system?
- What are home owners perceptions on water use and landscape
- How does socio economic status influence land use landscape structure in cities?
- Does plant diversity differ between residential landscape types? The major characteristics that distinguish primate include: Opposable thumb, Forward facing eyes, Claws versus nails. The lecture was concluded with the efforts taken for Slender Loris project being worked on at Bangalore respectively.

Water Conservation

The talk on “Water Conservation” was given by the Principal Dr. (Mrs.) Madhuri K. Pejaver dated 6th October 2014. Total 40 students from department of



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Environmental Science and Biodiversity, Wild life conservation and management participated in the workshop.

A lecture on water conservation by Dr.Mrs.Madhuri Pejaver was conducted on 4th October in department of environmental science. The lecture started with brief introduction on work carried out by madam. She mentioned about her active role in different NGOs such as Hope, Hariyali and Jidnyasa trust. All these NGOs are working on environment related activities. She also mentioned about upcoming activity of wildlife photography exhibition on account of wildlife week celebration in college.

She specifically mentioned about the work of hariyali organization which is involved in conservation of water and afforestation. Lots of activities were discussed in detail. First activity they carried out was the afforestation project at yeoor, of which the planted trees have attained height of 18 ft. They had also carried out afforestation at IIT , powai hill. They are also involved in afforestation projects in collaboration with forest department, in which forest department had given 1650ha of land for afforestation. The activity is carried out by involvement of schools and colleges.

She spoke about conservation of rain water. She mentioned that natural resources are exploited and overused causing depletion. Barren lands, dry rivers are great loss. She also mentioned about Dr. Poonam Singhvi who is chartered accountant by profession and has a hobby of travelling different parts of the country. In this journey he observed depletion of greenary with time. His concern for nature made him change his profession for conservation. He created NGO Hariyali. She mentioned the importance of trees in providing us daily bread and ecological role of trees in water recycling. She also mentioned about efficiency of roots in absorption of water without any heavy machineries.

d) Workshops / Seminar / Conferences:

Preparatory workshop on Solid Waste Management

The first preparatory talk for workshop was given by the Principal Dr. (Mrs.) Madhuri K. Pejaver dated 1st October 2014. She has been working on solid waste management over past 20 years at both individual level as well as along with other organisations such as Stri Mukti Sangathana, Hope, Hariyali, Paryavaran Shala. Total 40 students from department of Environmental Science and Biodiversity, Wild life conservation and management participated in the workshop.

She gave a brief idea to the student on household waste management where one can segregate waste in different catagories and sell it to bhangharwala instead of dumping it as garbage. she also



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mentioned about old days barter system where rasun was sold in exchange of scrap metal and also how the wet waste can be utilized as fertilizer by implementing biocompost.

She also shared her one of the experience of some hospitality management course in which students undergo apprenticeship in which they have to cook food. She shared the thought of converting waste generated during cooking into compost to the incharge of the course which was further inculcated and entire cooking generated waste was converted into bio compost .

She also mentioned about the IQAC co-ordinator Mrs. Gholba , who's been working on House hold waste management for entire society named "Prakriti" from past over 10 years. Thus she tried to inculcate the thought in students on how the regular practice helps in keeping environment clean .She also informed students that there are several NGos such as Hope, Hariyali, and Jidnyasa who are willingly interested to bear expenses of student volunteers who wants to work on Solid waste Management. She explained how dumping may worsen ones life by causing increased chances of flooding,spreading of more epidemic diseases. She mentioned about her work along with Stri mukti Sangathana in which they placed biocompost bins on across 46 lanes interior in Chembur area which gave very positive response. She also said that if the composting is done properly it do not smell or give bad odour.Thus through her talk, students were inspired to take such initiatives to reduce the waste generated.

The workshop was accompanied by M. Sc. Environmental Science Staff members.

Solid Waste Management Workshop

The workshop on solid waste management was conducted at Patanjali Auditorium by the Department of Environmental Science on 10TH and 11TH October 2014. Total 40 students and few non-teaching staff participated in the workshop. The workshop was combination of lectures by experts, poster making competition regarding awareness of Solid waste management and visit to a vermicompost bin. The dignitaries such as, Dr. Lata hanshamnani (Ophthalmologist); , Mr Battu Sawant (Sachiv, Samarth Bharat Vyaspeeth), Mr. Surendra Dighe (Founder and trustee, Jidnyasa trust) , and Dr. Sanjay Joshi Assit. Professor, Somaiya Vidyavihar College, were invited to conduct a interactive session on the problems and solutions concerning Solid Waste Management.

Inauguration of the program was done on 10th October 2014 by lighting of Diya and offering flowers to goddess Saraswati.All the dignitaries Dr Lata, Dr. R. P. Athalye sir, and Gholba mam were felicitated by Dr. (Mrs)P. N Kurve by offering the bookmark made from recycled paper by EVS students.



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DR R. P. Athalye in his inaugural speech mentioned that “All the problems regarding Solid waste management are due to lack of discipline and awareness, advanced lifestyle and large population. He stated that every individual should understand the prominence of keeping the workplace clean. He motivated and encouraged students to take up such topics and create wareness.

Dr Lata Ghanshamnani, Ophthalmologist by profession, working on Solid waste since past three years. She discussed the basic problems faced by the Thane Municipal Corporation (TMC) to manage and dispose the waste produced by Thane city. She also discussed the different methods which may help TMC and reduce the tension on dumping grounds, collecting garbage throughout the city by presenting some of the low budget solutions for local waste disposal. The solutions she mentioned included vermicomposting which can help create hygienic environment in the residential areas by taking care of waste, where it is generated. She made the students realize that they really need to take positive steps to address the issue at the earliest.

Post talk, the poster making competition was held which showed active participation of 10 groups of students. The topic for poster making was “Awareness regarding Solid waste management”. The themes which students used were diverse and were with good messages such as 3R-“Reduce, reuse and recycle”, the story of hungry worms-earthworms, segregation of waste etc.

After the competition all students visited Vermicompost bin at Kores Towers, Thane. The bin setup was done by Dr. Lata Ghanshamnani 18 months back, which got quite a successful remark, where people from 120 flats participated by segregating the kitchen waste and converting the waste into fertilizer. The story of their vermicompost was also covered in upcoming program on social awareness ‘Satyamev Jayate’. The bins that were kept were not stinking and maintained very nicely. All data regarding bin filling and harvest was written on the bin itself. In total, three bins were setup in Society. Students showed positive approach and raised their interest to work on such topics.

The second day of the workshop started by the lecture by Mr.Bhatu Sawant sir on “ Decentralised solid waste management ” . He is founder and trustee of waste managing and disposing organization called Samarth Bharat Vyaspeeth. He spoke about managing the garbage at the source where it is created. He also explained about making useful products such as compost and Brickets from the waste collected throughout the city. He also spoke about their project Nirmalya Gold which is the humus created from waste flowers. He tried to incorporated and explained about 3R (Reduce, Recycle and Reuse) as the current need.



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After that our second speaker was Mr. Surendra Dighe, founder trustee of Jidnyasa Trust. He spoke mainly about the E-waste that is increasing very fast today. He gave simple examples about changing lifestyles and changing mobiles and computers and laptops which might be forming the major chunk of E-waste. He also discussed about the different opportunities in the field.

The last session of the workshop was on Bio medical waste by Dr. Sanjay Joshi. He is assistant professor in Somaiya College and prominent member of Envirovigil. He focused on the topic of management of bio medical waste. He very nicely explained all the terminologies used in bio medical waste and also enlightened about the Indian laws. Also elaborated the importance of biomedical waste disposal and hazards of not doing so. Along with this he also showed a power point presentation on colour coding used in segregation of waste which makes disposal easier, the hazardous nature of this waste, different equipments at envirovigil which is used to treat waste. Dr. Joshi also elaborated the problems faced by the people in contact with the biomedical waste thus providing the fatal exposure. The people of Thane city may get exposed to in an event of an accidental mass exposure.

Workshop on Disaster Management

A workshop cum Interactive session on Disaster Management was conducted at Thane Municipal Corporation (TMC) (Pachpakhadi) Disaster Management division on 6 Sept. 2014. Total 17 students of M.Sc Part II attended the Session.

The session was started by Mr. Santosh Kadam, Disaster Management Officer (RDMC), in which he briefed students about working of disaster management department. He further elaborated on importance of quick communication system they use such as Hotline, Wireless, Online, SMS.

He mentioned different disasters like fire, landslide, and water pipeline burst, floods, and earthquake and stated their role in managing the situation. Students asked different questions and clarified their doubts by asking questions regarding Malin landslide, Jammu floods etc.

After the interactive session, the students were taken to the control room where students saw the hotline system and multiple landlines connected with each other, Multiple parameter instruments which measured data related to wind, humidity, rainfall etc,

Students were encouraged and were surprised about the work carried out by TMC and also told Mr. Santosh Kadam that they want to participate in awareness campaigns held by them.

The workshop was accompanied by some M. Sc. Environmental Science Staff members.



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Workshop on Handmade paper making

Workshop on “Handmade paper making” was conducted for the students of (Msc Part I and II) by Department of Environmental science. Total 34 students attended the workshop.

In the workshop students were guided regarding the reuse concepts. In this they used trashed paper generated in the department. The trashed paper were shredded and given further treatment to make a fine pulp. After making pulp they evenly spread the pulp on the sieve and kept for drying for 2 days. These papers that were ready were further used to make bookmarks for the guests at Environmental Science department.

Workshop on Ecofriendly Ganesh Decoration

The activity workshop on “Eco-friendly Ganesh Decoration” was conducted by Department of Environmental Science. Total 10 students of M.Sc Environmental Science Part I attended the workshop.

The theme of the workshop was based on “Biodiversity”. The students were inspired by the butterflies observed at college campus and selected that as theme and made beautiful butterflies using paper and made different patterns which depicted the diversity of butterflies.

Students were encouraged and motivated to take more such initiatives to use ecofriendly material for decoration, which will definitely help in spreading the word of awareness and conservation among people.

The activity was initiated by Dr. (Mrs). P. N. Kurve (Co-ordinator, Dept. of Environmental Science) and was monitored by Ms. Sheetal Pachpande (Assist. Professor, Dept of Environmental Science).

Workshop on Tree Census of VPM Campus

Tree inventory helps decision-makers in estimating floral biodiversity, maintenance needs, carbon absorption capacity, and biomass potential in the project area. So the workshop on “Tree Census of VPM Campus” was conducted by Department of Environmental Science for M.Sc Part II students.

The workshop on “Tree census” was guided by Mr. Chinmay Khanolkar, Project Manager, Eco Foot Forward, Mumbai.

The students were asked to record details of each tree such as habit, name of species, girth, height, age, canopy, health, and location etc. during campus visit. They were taught how to do mapping of trees in forest and in institutional campus. In order to calculate diameter at breast height (DBH), a simple tip was provided to make a tape of girth in cm/inch on one side and calculated DBH on the other side, which will not only make the interpretation easy but will also save time. Students



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have started working on the "Tree Census of College campus". The workshop was informative and interactive.

First pre-conference preparatory workshop on New and emerging trends in bioinformatics and taxonomy "NETBT 2015"

The workshop was conducted on Tuesday 12th August 2014 in Patanjali Sabhagruha. This was the first amongst the two pre-conference workshops preceding the National Conference NETBT 2015 which is scheduled to be held on 14th and 15th of January 2015 in Thorale Bajirao Peshwe Sabhagruha. The pre-conference workshop was attended by over 150 students and members of the staff, from Degree and Junior college, scientists as well as non-teaching members of faculty from our own as well as various colleges and institutions in the vicinity, all of whom actively participated in the proceedings and added vibrant colours to the event.

The workshop started with the inaugural session, preceded by the national anthem. The Convener, Dr. (Mrs.) Madhuri Pejaver welcomed all participants in the inaugural address. Vice-Principal Dr. R.P Athalye briefed the gathering on the legacy of Bandodkar College of Science in successfully organizing university, state and national level scientific events and meets. The Organizing Secretary, Dr. Moses Kolet drew attention to the necessity of pre-conference workshops, their potential importance and value to student learners as perceived by Vidya Prasarak Mandal, Thane; in his address, which merged into the scientific technical session wherein the legacy of scientific nomenclature, the core theme of the National Conference was discussed in brief.

The first invited guest speaker, Dr (Mrs.) Unnati Padalia, Associate Professor of Microbiology, K.J Somaiya College, Mumbai, an ardent researcher, research guide, mentor and a very popular teacher, enthralled the august gathering with her talk and presentation on various systems of nomenclature followed in microbiology and recent technological and allied developments in the domain. The talk touched upon knowledge explosion in current times and coping skills of the young generation.

The next guest speaker, Dr (Mrs.) Sunita Chahar, Head of the Department of Botany, Ratnam College, Mumbai, a dedicated research guide in the field of mycology, informed the audience about recent developments in the taxonomy of Arbuscular Mycorrhizal Fungi, popularly referred to as the AM Fungi. Our own faculty Dr. (Ms.) Urmila Kumavat concluded the scientific technical session with a wonderful presentation on the chemotaxonomy of plants.

The valedictory session concluded with the vote of thanks by Ms. Chetna Shetty followed by our national song. The entire schedule of the pre-conference workshop commenced and concluded in



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the prescribed time allotted for the event. The next and second pre-conference workshop is scheduled to be held on Saturday 13th December 2014 in Patanjali Sabhagruha.

National Conference on New and Emerging Trends in Bioinformatics and Taxonomy 'NETBT 2015'

National Conference on New and Emerging Trends in Bioinformatics and Taxonomy 'NETBT 2015' was organized by the Department of Botany and Research Committee of B. N. Bandodkar College of Science in collaboration with Association for Plant Taxonomy, Dehradun and Blatter Herbarium, St. Xavier's College, Mumbai, conducted on 14th and 15th of January 2015 at Thorle Bajirao Peshwe Sabhagruha. This two day national event was conceptualized and announced almost one year earlier by the principal during the earlier National Conference organized by the college and strategic planning towards successful implementation had begun since that date.

Besides local registrations, this National Conference witnessed participations from various places of India namely, Chandigarh, Coimbatore, Dehradun, Devgad, Kasaragod, Lucknow, Ludhiana, Mumbai, Nasik, Panjim, Pune, Ratnagiri and Solapur, to name a few. Thane district was represented by participants from institutions based at Bhiwandi, Thane, Kalyan and Ulhasnagar. Dr. P.K.S.M. Rehman had flown in from Teesside University, United Kingdom. The conference registered 275 participants inclusive of 160 student registrations.

Inaugural Session: The inaugural session began as scheduled at 9.30 AM sharp with the National Anthem followed by the traditional auspicious lighting of the inaugural lamp by the honourable invitees and dignitaries and our own Chairman and Patron accompanied by the Principal and Convener; with recitals of vedic chants and mantras by students. The session was beautifully and flawlessly conducted by Dr. Urmila Kumavat, Ms. Chetana Shetty and Ms. Priyanka Verma. Gracing the inaugural dias were Chairman of Vidya Prasarak Mandal, Thane and Patron of the National Conference, Dr. Vijay V. Bedekar, Chief Guest Dr. Santosh Kumar Agarwal, Guest of Honour Dr. P.K.S.M. Rahman, Representative official from NABARD Ms. Sonali Bhogle, Principal and Convener Dr. Madhuri Pejaver, Co-Convener Dr. Medha Mulgaonkar and the Organizing Secretary of this National Conference, Dr. Moses Kolet. Adding grace to the auditorium were member of the Vidya Prasarak Mandal Dr. Kayal, Principals of colleges on Jnanadweepa campus, several invitees, guests, guest speakers, delegates, academicians from various institutions, scientists, members of scientific bodies, student learners and representatives from the media. Following the recital of the College Song by Mr. Ashutosh Joshi and Mr. Prakash Mali; Principal Dr. Madhuri Pejaver extended



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a warm welcome to all guests, invitees and delegates. Her Welcome Address which included the announcement of our next National Conference to be conducted in the year 2016 was followed by release of the Volume of Proceedings of this National Conference 'NETBT 2015'; the stage management committee had constructed a beautiful lotus which opened its petals to reveal copies of the Volume of Proceedings inside which were ceremoniously released; and declaration of inauguration and opening of the Conference,

Poster Presentation Session: The second technical session was followed by the poster presentation session. Over sixty posters on various sub themes of the conference were exhibited and presented during this session. Dr. Santosh Kumar Agarwal and Dr. P.K.S.M. Rahman officiated as judges for the poster presentation competition and had a rather difficult time selecting the winners owing to the high levels of excellence and thorough professionalism exhibited by all participants. The academic interaction amongst delegates during this session was excellent.

Dry Herbarium Competition: This competition was judged simultaneously along with poster presentations; the judges being Dr. Sharda Vaidya, Associate Professor, Smt. CHM College, Ulhasnagar and Ms. Sarita Hajirnis, Head of the Department of Botany, Dnyanasadhana College, Thane, both of whom also admitted having a tough time deciding the winners.

Day 2: 15th January 2015: The second day began with interaction between participants and guests over breakfast, followed by commencement of the next technical session as scheduled at 9.30 AM.

Valedictory Session: The Valedictory Session commenced on schedule at 3.45 PM. Adding grace to the occasion with their auspicious presence, were Dr. M.R. Almeida and Dr A.R. Kulkarni, both veteran taxonomists and specialists in biodiversity. Our dear Principal, Dr Madhuri Pejaver, Vice-Principal Dr R.P. Athalye and Co-convener Dr Medha Mulgaonkar blessed the occasion. The session began with feedbacks from the participants; both local and out station delegates gave excellent feedbacks and praised, above all the perfect time management during the conference, an inherent feature of all events conducted under the umbrella of Vidya Prasarak Mandal, Thane. The winners of competitions conducted during the two days of the conference viz., Best Oral Paper presentation awards, Best Poster Presentation awards and Herbarium competitions were felicitated with medals and certificates of merit. Principal and Convener Dr. Madhuri Pejaver gave her highly prized valedictory comments followed by Dr A.R.Kulkarni's valedictory remarks encouraging students to take up taxonomic studies in the correct scientific spirit. Dr. M. R. Almeida spoke on the over five decades of his career in taxonomy, his vision, accomplishments and future challenges to new entrants



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in the field. The session and the entire conference were summed up by the Organizing Secretary Dr. Moses Kolet with the customary Vote of Thanks; mentioning amongst all others such as the staunch support from the management, administration and organizing committee; the exemplary and outstanding role of our student learners and volunteers in the remarkable success of this National Conference and its meeting the set bench mark. Certificates of participation were awarded to all delegates. The conference concluded with recital of the National Song. The delegates returned to their respective stations of duty well satisfied, intellectually enriched and happy over the experience of being a part of the 'National Conference on New and Emerging Trends in Biodiversity and Taxonomy NETBT 2015'.

e) Industrial Visits:

Department of Biochemistry - Industrial visit to Nasik

As per syllabus laid down, students of biochemistry need to understand practical experience of industrial production and how systematically it is carried out. Hence, an industrial visit to Sula wines at Nashik was arranged by biochemistry department for biochemistry students. Along with industrial visit EVS study was also arranged for their minor research project on the event of kumbh-Mela which is in coming year at Nashik. Hence, air sample and water sampling was done at the sametime of Visit.

We started our visit from college by 7.15 am and reached our first pollution free destination; Jain temple, which had a pleasant environment. Students exposed their agar plates for air sterility testing. After that we move ahead towards mukti dham, which is always a crowded place, there also students exposed agar plates for air sterility.

Visit to Sula Wine: Sula Wines, which is well known for wine production from India situated at Nashik. It ranks among 10 in world for wine production. In the production process they incorporated innovative techniques for production of wines from grapes.

Number of visitors/students /researchers/ from all over world preferred to visit Sula wine for the study purpose.

It was officially launched in 2009, with the inspiration from France Indian based director Rajiv Saman who named winery industry after his late mother; Sulabha. The wine yard is spread all over 3 acres land having climate similar to European. For the production of wine in the sula; they cultivated the grapes which were similar characteristic of European grapes. Interesting point is that grapes used for wine production are not eatable.



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Sula wines also produce sparkling wine which involves CO₂ bubbles. It is a traditional method. Fermentation is done in bottle itself. After filtration and fermentation of white wine it is added back to bottle. Yeast is added to culture and packed with wooden cork.

On second day, visit to wards panchavati and river Godavari for exposing agar plates for air sterility at 3 different places. There students even collected water sample of Godavari river, where on the occasion of 'kumbh mela' pilgrims gather to take the bath. Kumbmela is celebrated after every in a round on 12th year at Nashik. According to government report of previous kumbmela, people suffered from air borne and water borne diseases due to manmade ritual activities, polluted climate. Students acquired knowledge of industrial and environmental activity. We completed our second day visit by 4:30 pm. At last by 9:00 pm we reached back to Thane. Overall industrial visit was conducted successfully. Dr. (Mrs.) A.S. Goswami-Giri, Co-ordinator, Department of Biochemistry.

Department of Environmental Science - Visit to Maharashtra Nature Park

A visit to Maharashtra Nature Park was conducted for the students of T. Y. B.Sc. applied component Environmental science. Total 67 students from Department of Biotechnology, Microbiology and Biochemistry attended the visit.

Maharashtra Nature Park is located near Sion. It is one of successful project unit on Asia's largest dumping ground. We had two guides with us namely Mr. Nitesh and Mr. Prashant who briefed students about the entire history of park. They also stated the importance of the unique design of the interpretation center. Before the nature trail they showed the slide show which covered most the biodiversity found at the park.

Students were first taken to butterfly garden, where they came to know the fact of attracting the butterfly by growing their feeding plant. Then we proceeded to Nakshatavan, which is known for plants with respect to zodiac sign. Each zodiac sign has different plant, which not only conserves the plant but also sows the seed of awareness for conserving these species.

Then we also visited tropical evergreen forest habitat created in the park itself, where they explained how to identify different habitats based on plants. Then we proceeded to medicinal plants section, where wild species like black turmeric are conserved. Lastly students visited nursery where they bought different ornamental and medicinal plants in very cheap amount.

The entire visit was very fruitful and students were happy to see richness in biodiversity at one place.

Department of Library - Library VISIT TO IIT, Powai

A visit to Indian Institute of Technology (IIT), Powai was conducted for the B.L.I.Sc course students on 30th March 2015. Total 10 students attended the visit.



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IIT, Powai is one of the most renowned library in Mumbai region. We had two Library staff Mr Kamble and Mr Bhagwan with us who briefed students about the library structure, sections, facilities, functioning, collection and services. They showed us library software functioning, Kardex system, CD Mirror working.

Then they also showed us Patents and how to access the patents. The entire visit was very fruitful and students were happy to see such a huge library and atmosphere.

f) Research Activity:

‘Intercollegiate Research Convention Avishkar 2014-15 (District Round)’

On 25th November 2014, on behalf of University of Mumbai, B.N.Bandodkar College of science successfully organized district level competition of Intercollegiate Research Convention Avishkar 2014-15. Around fifty research projects of different levels of UG/PG/Ph.D.& Teacher pursuing Ph.D., from Thane district colleges presented in this convention. The participants from the categories of C1 (Humanities, Languages & Fine Arts etc.), C2 (Commerce, Management & Law), C3 (Pure Sciences), C4 (Agriculture & Animal Husbandry), C5 (Engineering & echnology) & C6 (Medicine & Pharmacy) presented their research in oral as well as poster essions. An eminent panel of twenty judges was invited from various colleges of Mumbai University. From each faculty minimum five to ten top presentations were selected for further round.

An analysis of feedback forms given by all the participants & judges showed that the host college was very good in making arrangements for poster presentation while good in providing facility of oral presentation, inauguration, registration & hospitality. This year from B.N.Bandodkar College, three entries got shortlisted for University level competition of Avishkar Convention. The winner students are –

- Ms. Disha Rao (M.Sc. Part II, Environmetal Sciences), completed project of Hydrobiological study of Thane creek under the guidance of Dr.(Mrs.) Poonam N. Kurve.
- Mr. Aditya Chhatre, Mr. Aniket Bagul & Ms. Hanzel Saldanha (S.Y.B.Sc. Biotechnology), worked on Isolation & identification of LDPE degrading microorganisms from sewage samples while Ms. Vaishnavi Samant, Ms. Tanishka Bagwe & Mr.Darshan Mahajan (S.Y.B.Sc. Biotechnology), carried out Isolation & identification of novel agar digestor in earthworm (*Eisenia fetida*) gut, under the guidance of Dr. Kalpita Mulye & Mrs. Jayashree Pawar.



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The organization of Avishkar Convention 2014-15 at our college will act as motivational force for many students & teachers to participate in Avishkar Convention 2015-16.

g) Carnivals And Fests:

Biotechnology and Microbiology FEST “KIOSK”

Department of Biotechnology and Microbiology organized one day Departmental fest KIOSK on 15th December 2014 in Patanjali Auditorium. Dr. Kalpita Mulye, Coordinator, Department of Microbiology inaugurated the fest and also addressed the students. This has been third year of the fest. The fest was open for all biological sciences students of B. N. Bandodkar College from this year. Students of S. Y. B. Sc. Biotechnology and Microbiology had organized the event. The fest started at 7.30 a. m. with ‘Biorangoli’-a rangoli competition involving executing biological concepts in rangoli. In addition to this, students from all classes enjoyed participation in various competitions like ‘treasure hunt’, ‘Sherlock minds’, ‘dumb charades’, ‘fictionary’ and ‘hare n house’. Prize distribution was held in hands of teaching staff members of Department of Biotechnology and Microbiology. Ms. Jayashree Pawar in concluding address appreciated the volunteers’ efforts in organizing the event.

IT Tech Fest “PIXELS”

Department of Information Technology organized Two days IT Fest “PIXELS” on 11th Dec 2014 & 12th Dec 2014.

Following were the attractions in the event

1. Seminar
2. Programming mania Competition
3. Quiz Competition
4. Web World Competition
5. Techno Hunt Competition
6. Debate Competition

On 11th December 2014, “PIXELS” was inaugurated in the hands of Prof. Hiren Dand, Coordinator, IT Department, Mulund College of Commerce, Mulund. The inauguration was followed by a nice seminar by Prof. Hiren Dand on “Cloud Computing”.

The resource person for 2nd Seminar was Mr. Vilas Mungekar, Managing Director, Wealth Magic Training Pvt Ltd., Thane. He talked on “**Become the master of your field**” which inspired students and made them to think for their career.



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After these wonderful speeches, the event got accelerated and the first competition, Programming Mania began around 12.30 pm in IT Lab. 46 students participated from IT/CS department. C++ programming language was used to conduct the competition where criterion used for selection was in the given program identify the Logical, syntax errors and make the program work for the specified aim. 8 students were selected for 2nd round. Writing program without errors for the given aim was the criterion for 2nd Round.

1. Quiz

Quiz began around 3pm in IT Lab. 35 Teams (2 students in each Team) participated from IT/CS department. Related information technology and general knowledge questions were used to conduct the competition where criteria used for selection from Aptitude test. 15 teams were selected for 2nd round. For Online test from 1st round 4 teams were selected for 2nd round.

2. Web World

Web World began around 9:30am in CS Lab. 35 students participated from IT/CS department. From given web page the participants were supposed to design layout of a web page in the given time limit, 17 students were qualified for 2nd round. For the 2nd round Participants were told to continue with the same web page with more designing in given time limit.

Rank	Name	Class
1 st	Ashraf Mulla	T.Y.C.S
2 nd	Ankita Devrukhkar	S.Y.I.T.
3 rd	Vipin Yadav	S.Y.I.T.

3. Techno Hunt

Techno Hunt began around 12:30pm in classroom no 8 & 9. 40 teams (4 students in each team) participated from IT/CS department. The event started with the game Bucket and ball. 5 chances were given to each team . 20 teams were Qualified in 1st round. 20 teams were selected for 2nd round wire loop buzzing and 10 teams were selected for 3rd round.

Rank	Name	Class
1 st	Kiran Shelke	F.Y.C.S
	Vamashi Naghla	F.Y.C.S



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	Niranjana Bhosale	F.Y.C.S
	Omkar Kadam	F.Y.C.S
Rank	Name	Class
2 nd	Jagruti s. Chaudhari	F.Y.J.C
	Prathamesh Mane	F.Y.J.C
	Pramodkumar Chaudhary	F.Y.J.C
	Gajendra B.Chaudhary	F.Y.J.C

4. Debate

- Debate began around 2.00pm in Patanjali Auditorium. 16 teams (4 students in each team) participated from IT/CS department. 3 Topics were already given to the students in advance for 1st round. Out of 3 topics 1 was given by Respective Judges. 4 Teams were qualified for next round. For the 2nd round on the spot topic was given to each team. 2 teams were declared as winners

Rank	Name	Class
1 st Team	Atit More	T.Y.I.T
	Omkar Shinde	T.Y.I.T
	Shailesh Naik	T.Y.I.T
	Dastagir Kolsawala	T.Y.I.T
Rank	Name	Class
2 nd Team	Nisha Yadav	S.Y.I.T
	Kirti Bamhane	S.Y.I.T
	Saniya Shaikh	S.Y.I.T
	Supriya Tiwari	S.Y.I.T

Team members:

The teachers arranged two days event for IT/CS students the named PIXELS (IT/CS Fest) 2014. The aim of event was to have maximum students from IT & CS department participating in competitions which are related to IT technology. There were 6 events in Pixels the IT/CS fest. The first event was seminar which was conducted by IT/CS department in Patanjali Sabhagruh' and remaining events were Programming Mania, Quiz, Web World, Techno Hunt and Debate.

Eminent Speakers for the Fest were

1. Mr.Hiren Dhand on "Cloud Computing"
2. Mr. Vilas Mungekar on "Become the master of your field"



The event was attended by 400 students from IT/CS department of B. N. Bandodkar College of Science.

III) EXTRA CURRICULAR ACTIVITIES:

a) Cultural activities:

1. The events of the Cultural Association 2014 – 2015 began with Fine Arts workshop for two days on 24th & 25th July 2014. Mr. Amit Sonawane was invited for this workshop since he has done his Govt. Diploma in Fine Arts from J.J.School of Arts, Mumbai. Students obtain the knowledge of three major events namely paintings, clay modeling, collage making. Total 50 students attended this workshops out of which 32 from degree college and 18 from junior college.
2. Cultural Association of our college and Dance Villa Production organized a dance event “International Zouk Flash Mob (IZFM)” on 2nd August 2014 in Patanjali Sabhagruha. Various trainers of this villa Mr. Anish, Mr. Shushil Mourya, Ms. Sophiya Koli trained our students in zouk dance with great efficiency and made the students aware of this dance. About 85 students (Junior college boys 20 + girls 15 = 35, Degree college boys 22 + girls 28 = 50) took part in this event. The cultural coordinator, Prof. Prakash Mali and many teachers from degree and junior college also participated in this event and enjoyed it.
3. Friendship day was celebrated in different manner in our college by Cultural Association on 5th Aug 2014 under the guidance of vice principal Dr.R.P. Athalye and coordinator Prof. Prakash Mali put up a white banner on the ground floor and students were told to write lines messages to their friends and dear once. Also the members tied friendship band to all who wrote the messages. About 250 to 300 students and many teaching and non-teaching staff also participated in this program making it a memorable one.
4. About 45 students (Boys 32 + Girls 13) from our degree college participated in Intercollegiate competitions organized by Mumbai University as a part of 47th Youth Festival on 11th August 2014 at CHM college, Ulhasnagr. Miss. Medi Ravdi from FYBSc won the 1st Prize in classical dance in this festival.
5. The Inaugural program of the Cultural Association was held on Friday 27th Aug 2014 at 2.30pm at Patanjali sabhagruha. The program commenced with lighting of lamp and garlanding of goddess Saraswati by our chief guest Jayprakash Bhande (Director, producer & cinephotographer) and vice principal Dr. R.P.Athalye ,cultural coordinator prof. Prakash



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Mali. The program started with a dance performance by the students. Also students rendered some melodious music which was enjoyed by the audience. After this there was a short speech by the chief guest Jayprakash Bhande and also promised the students, if given a chance, he would teach them how to face camera, photography and much more. About 150 students and staff members attended the function. The function concluded with Aarti of Lord Ganesha.

6. Variety Entertainment program for the Japanese students was held by the Cultural Association on Thursday 28th Aug 2014 at 4pm in the Patanjali Sabhagruh. The program was inaugurated by Japanese Teacher and our principal Dr.M.K.Pejaver Mam, vice principal Dr. R.P. Athalye, cultural coordinator prof. Prakash Mali. The program comprised of some solo dances, group dances & vocal songs. The participants included the cultural coordinator prof. Prakash Mali to represent a Marathi song. The Mizoram Dance (Chera Dance) was much appreciated by the Japanese students. About 15 Japanese students, some teachers and students from our college attended the program and enjoyed it.
7. Near about 14 students from FYJC participated in Natyachata competition organized by Parambh Art Academy at Bedekar Vidya Mandir, Thane. Miss.Poonam Borade from FYJC secured the second prize in this competition. Mr. Hitech Mhatre from SYJC won the first prize in "Cassio Vadan" competition organized by Aai Ekvira Pratishthan, Dombivili. Ms.Pragati I.Dighe, Ms. Sanorita & Ms. Shruti Ayer from FYJC participated in Intercollegiate Science Quiz "Science Mania" organized by DAV college, Bhandp on 10th December 2014.
8. Swami Samarth Light Vocal Music Competition was organized in Patanjali Sabhgruha on Thursday, 18th September 2014. Prof. Prafulla Bhosale & Prof. (Mrs.) Trupti Sonawane, from Joshi Bedekar College, Thane were the judges for this competition. Mr. Akash Kamble from TYBSc secured the first prize while Rajesh Manmode from SYJC secured second & Yogesh Sati own the third prize. Pallavi Bulakhe and Chinmayee shukla secured first consolation prize. Rasika Dharap & Anay Mali secured second consolation prize and Rafat Shaikh secured Third consolation prize. Orchestra for this event was played by our college students. Around 250 students and so many teaching & non teaching staff were attended the function & made it a grand success.
9. The programme "Akshar Ganesh" was organized on 13th December 2014 in Patanjali Sabhgruha. Mr. Raj Kandalgaonkar "The First Akshar Ganesh Kalakar" from Ulhasnagar, prepared Lord Ganesha in the names of 25 students & 15 staff members. Mr. Abhya



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Morajkar took an interview about his art and experience. Near about 200 students enjoyed the programme.

10. Cultural association and Giants Group of Ulhasnagar jointly organized a motivational and audio visual programme “yaSa AaNaUyaa Kocauna” for degree college students on 17th December 2014 in Patanjali Sabhagruha. Mr. Chandrakant Page, Chief Personal Counselor and Psychometric Multiple Intelligence Analysis delivered a beautiful speech to motivate the students about their future career. Near about 150 students from degree college enjoyed the programme.
11. Cultural association organized a workshop “Acting Chi Factory” on 18th December 2014 in Patanjali Sabhagruha. Mr. Gopi Bhosale (Actor and Director) directed the students about acting with practicals. Near about 30 students participated in this workshop.

College Festival "AKANSHA"

In the month of December 2014 preparations for Annual Social “Aakanksha” began with students involvement. This year students had selected “**Mumbai Meri Jaan**” as main theme for Aakanksha. As a part of Aakanksha various indoor events such as Rangoli, Bridal Make up, Mehendi, Tattoo Making, Flower Arrangement, Vaggi Art, Poster Paintnig, Cartoon Drawing, Photography, Love letter writing, Nail Art etc. were organized. The judges for these competitions were Mrs. Shambhavi Matey well known beautician, Mrs. Manisha Thakur Lecturer from Joshi Bedekar College, Dr. Bindu Gopal Krishnan, Assistant Professor, Department of Botany of Mithibai college, Vile Parle, Dr. Seema Agashe Coordinator Department of Biotechnology of K.V.Pendharkar college, Dombivali and Dr.Moses Kolet from our our own college. Near about 200 students participated in all these events.

Outdoor activities of Akanksha were formally inaugurated by Mr. Abhijeet Panse, Cine director (Film Rege) and Ms. Priyanka Waman (Actress Jay Malhar Daily Soap Zee Marathi) on 23rd December 2014. From 162 students 13 students selected for final round. Mr. Akshay Patil (SYBSc) was selected as “Mr. Bandodkar” where as Miss. Pranali Shetty from TYBSc “Miss.Bandodkar” through this contest. Mr. Abhijeet Panse and Ms. Priyanka Waman were the judges for this event. This programme was compared by Ms.Mayuri Patwardhan, Ms.Shweta Kumbhar, Ms.Apurva Chawre and Ms. Gandha Joshi.

Personality contest was followed by Acting chi Factory. Mrs. Madhuri Shivudkar from Botany Department was the judge for this competition. Out of 30 students Mr. Nikhil and group won



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the first prize in this competition, while Akshay Patil won the First Prize in Monoacting. On the same day Group & Duet Dance competition also took place. About 60 students gave their performances before a large crowd of students, teaching and non teaching staff. Mrs. Neha Dixit, Owner of Dance Academy in Mulund and Mr. Naren Negeri owner of Dance Academy in Thane, were "We are Fantise Group" won first prize, Ankush Tiwari and Group own second prize, Amita Banne won the third prize and Group while consolation price won by Sharddha Thosar and Group.

On 24th December 2014 the first event was Light Vocal Singing Competition. About 22 students participated in Singing Competition. Mrs. Swati Songaonkar, Head, Department of Music, Shri Maa Vidyalay, Thane was the judge for this event. Ms. Pallavi Bulakhe from FYJC secured the first prize, Ms. Utkarsha Pawar, Second Prize, Ms. Sakshi Chavan third price and Mr. Anay Mali consolation price in Light Vocal solo. Anay & Pallavi secured first prize, Anay & Rajshree second prize, Yogesh & Sakshi third prize and Sanjana & Smriti consolation price in duet singing competition. Special performance was given by Prof. Prakash Mali through his song "sauna maorI Aimanaa dIdI". The audience literally rocked due to his electrifying performance.

Solo Dance competition started late in the afternoon. 21 students participated in this competition. Judges were Mr. Naren Megeri and Shreyank Ajmera. Rachana Shinde & Rupesh Farade both secured the first prize, Shraddha Gaikwad secured second, Sanjeevani Patil Secured third, Bhakti Gangan & Chetana Jangale secured consolation price in solo dance competition. Prof. Prakash Mali, Cultural Coordinator & Mrs. Rohini Dombe, Physical Director also performed a beautiful dance "Tik Tik Vajate". A group of Lady Teachers Ms. Chanchal, Ms. Smita, Ms. Monali, Ms. Vaibhavi, Ms. Nivedita & Ms. Parimal performed a dance of fusion. The most awaited event "Fashion Show" started early evening. Total 110 students participated in this event. "Phe Sloshesh" selected as best group, Ms. Sloshesh won the best choreographer prize while Mr. Vaibhav Mahapati selected as best model (Male) and Ms. Rinkal Patil selected as best model (female) in this competition. The judges were Mr. Bhalchandra Karbhari, Assistant Professor, & Ms. Vedvati Pranjpe, working BMS department from Joshi Bedekar College, Thane. After this event Judges, teaching and non teaching staff, Association members and volunteers of Cultural Association did the ramp walking. Students were highly excited to watch their teachers walking on the ramp.

Bhasha Jagruti "Hindi Diwas"

The Main aim of the programme was to create awareness regarding "PROBLEMS OF WOMEN IN INDIA". It also highlighted the various malpractices in the society and its effects. The students presented the skit "*Dahekate angare*" based upon the theme and it was publically appreciated.



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There were two chief guests of the programme, The famous T.V. Artist and poet, **Dr. Mr. Mukesh Gautam and Mr. Suresh Mishra**, Both of them presented their poems on social issues, Political, Economical and Educational aspects in the Society. The audience appreciated their poems and enjoyed a lot. Dr. Mukesh Gautam quoted, "A poet not only entertains the society but also brings high social values and awareness in the society".

Our college teachers also presented their poems and shayaries on different social aspects of the society. The three students spoke about the importance of HINDI language and the HINDI literature. A group of students performed a dance on "national integrity of India" in an excellent way.

Around 350 Students, Teaching and Non Teaching staff of the college enjoyed the event. It was an awesome experience to all of them.

The compering of the programme was done by the students. The excellent photography was done by Rishikesh R. Muley from S.Y.B.Sc. and Mahesh Nikumb. The vote of thanks was given by the Head of Department of HINDI, Prof A.D. Athawale and lastly as per our tradition programme was ended with national Anthem.

Sahitya Sahavas (Bhasha Mandal) "Social Issues (Social-Problems) in the Society"

Sahitya Sahavas arranged and conducted a programme on Friday 12th September 2014 at Patanjali Sabhagruha. The title for the programme was "Social Issues (Social-Problems) in the society". This programme was on the various Social Issues in society at various level. The students of degree & junior college attended & participated in the function. The students had brought editor's articles and news written in different news papers on the problems in the society. The students also expressed their views and thoughts on the different developments in the society. There was total awareness among the audience as was seen by the articles and news brought by them for presentation. The topics were from corruption in India and how the corruption has damaged the progress of the Indian society.

The other topic was from agricultural section where an article had come in the news paper that due to excess of spraying of chemicals in the agricultural fields, has brought down the quality of the food in India. Even tea powder has been adversely affected. The next issue from the news paper article was that of problems related to the safety of women in the society. The news paper articles had full data, state wise about the safety problems of women in India. Even poverty as a social issue was expressed, which has adversely affected the Indian society.

The next issue which was discussed was about the problems the patients are suffering during various festival celebrations made in the society. At the time of celebrations people forget to follow



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different rules such as traffic related things and about pollution. Every festival celebrations is adding pollution to the environment. When is the common man going to understand the importance of environment and its maintainance. The other topic which was read from the news paper was related to the excess use of mobile phones and its various applications. Due to excess use of mobile phones and internet, today's generation has little importance for the old Indian culture as compared to foreign culture.

Ten teachers, three non-teaching staff and one hundred and fifty students attended the programme.

IV) EXTENSION ACTIVITIES:

a) NCC:

Administrative Front:-

1. Abhijeet Barse was appointed as Senior Under Officer .
2. Aniket Kshirsagar and Upadhyay were Appointed as Junior Under Officers .
3. Sudeep Sawant was appointed as Csm .
4. Akshay Patil represented Ncc in The Student Council Of Bandodkar College.

Enrolment Drive:-

Enrolment of the Cadets Commenced In July 2014. Eligible Students From The Jnanadweepa Campus Participated With Enthusiasm In The Enrolment Drive.

Result Of The Certificate Examinations:-

The Unit achieved 100% Result in The NCC 'B' And 'C' Certificate Examinations.

Training:-

Apart from the regular training Parades conducted in the College Campus, Cadets participated in Several Regional, State, and National Level Training Camps and allied activities, glimpses of which are mentions below.

Regional Camps :-

1. Five Cadets took part in pre TSC Camp which was held at Nashik in July 2014
2. Eight Cadets took part in 2nd Annual Training Camp which was held At Nashik in October 2014

State Level Camps:-

10 Cadets took part in Army Attachment Camp with regular Indian Army which was held at Amravati in December.



Participation :-

1. 19 Cadets participated in Drill Competition which was organized by Joshi Bedekar College in our Campus.
2. Eight Cadets represented our Unit in Akhil Bhartiya Vidyarthi Parishd which was held at Dnyansadhna College in December 2014.
3. Three Cadets Represented our Unit in Swacch Bharat Abhiyan at Thane Railway Station in December 2014.
4. Seven Cadets Volenteered their services for Akankasha festival organized by our Cultural Committee in December 2014.
5. Eight Cadets Volenteered their services for Gandharva Festival which was organized by Joshi Bedekar College in December 2014.
6. Seven Cadets volunteered their service for Pulse Polio Campaign which was organized by Thane Municipal Corporation.
7. Twenty Five Cadets took part in a Rally within the Campus of our College on the occagion of Sanvidhan Divas.
8. On Sardar Wallabh Bhai Patel Jayanti dated 31st Oct. 2014 our 29 Cadets attended the Savidhan Divas on 11th November 2014wherein Marathon was conducted by University of Mumbai as well as the lecture was deliverd by the Vice Chancellor.
9. Twenty cadets participated at National Conference on Netbt-2015 at Patanjali as Volunteers.
10. Twenty Cadets participated in Yuva Divas (12/01/2015), Swami Vivekananda Jayanti Programme at University of Mumbai.
11. Twenty Cadets participated in Swami Vivekanand Jayanti Mahotsav at Katyayan, Joshi – Bedekar College.
12. Twenty Five Cadets participated in Convocation Ceremony at Mumbai University on 24/1/2015.

Our Achievements:

1. Cadet Sudeep Vishwas Sawant won Best Cadet Gold Medal for overall performance in January 2014.
2. Cadet Deepak Kavthekar won best cadet silver medal for best drill in January 2014.
3. Cadet Narendra Mahale won best cadet bronze medal for best obstacles performance in January 2014.
4. Cadet Akshay Patil won gold medal for cultural activity in pre TSC camp which was held at nashik in July 2014.



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5. Cadet Sudeep Vishwas Sawant represented our unit in national level Thal Sainik Camp which was held at delhi in august 2014.

National Environment Talent Search Exam, Goa. December 2014:

NETSE is to promote the awareness of environment, inculcate love for nature and the wildlife in youngsters. To make them aware of the vital issues concerning the human race, so that the next generation will be fully prepared and be better equipped to save the beloved earth.

The NETSE is a written examination held in three groups.

Group 1 = Std IV to VI , Group 2 = Std VII to IX, Group 3 = Std X to XII

The question paper for this exam is set in English language and the answers to these questions can be given in any Indian regional languages. This exam is held all over India on 25th November of every year at 2.30pm to 4.00 pm. The results, certificates, prizes and medals are all sent by post to the students as well as the teachers. The photographs of the winners are published in the merit list of their magazine. Many of our students appeared for this Examination.

b) Sports Activities:

We started our Gymkhana Indoor activities from 9th June 2014.

Selection of Gymkhana Secretary:

Miss. Chaware Apurva Ashok (T.Y.B.Sc./Biotechnolgy) was selected as Gymkhana Secretary for the year 2014-2015.

Participation of Students in various Competitions:

About 270 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:

Our Degree college teams participated in **TWENTY ONE** tournaments like Chess, Cricket, Table Tennis, Athletic Meet, Football, Kho - Kho, Taekwondo, Carrom, Judo, Badminton, Swimming, Volleyball, Handball, Cross Country, wrestling, Mallkhamb, Kabaddi, Boxing, Langadi, Gymnastics and Power Lifting organized by University of Mumbai.

Our Junior College teams participated in **SIXTEEN** District Level tournaments organized by T.M.C. like chess, cricket, Table Tennis, Athletics Meet, Football, Kho – Kho, Taekwondo, Carrom, Badminton, Volleyball, Handball, Netball, Kick Boxing, Thang – Tha, karate, and Kabaddi.

Achievements :

- 1) *Vedant Dalavi R. (S.Y.J.C.)* is selected for the chess tournament at Division Level.
- 2) This year our Junior college teams under the able guidance of cricket coach *Mr. Kiran V. Salgaonkar* became Runner Up in District Level Cricket Tournaments organized by T.M.C.
- 3) Our Junior college Girls team was Selected at Division level in Table Tennis. *Gejji Vaishanvi Vivek (F.Y.J.C.) & Behere Aditya Rajesh (F.Y.J.C.)* were selected for Division Level Table Tennis Tournaments.



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- 4) *Mahadik Vishal Nandkumar (S.Y.J.C)* (Long Jump) was selected for Division Level Athletics Competition .
- 5) *Sonavane Suraj Gulab (S.Y.J.C)* was selected for Division Level Carrom Competition Organized by T.M.C.
- 6) *Gawali Pratik Mangesh (S.Y.J.C.)* was selected for Divisional level badminton Tournament organized by T.M.C.
- 7) *Sakhare Pranil Ramesh (F.Y.J.C.)* was Selected for Divisional level Kick Boxing Tournament organized by T.M.C.
- 8) *Sakhare Pranil Ramesh (F.Y.J.C.)* & *Bagul Sagar Yuvaraj (F.Y.J.C.)* were Selected for Divisional level Thang-Tha tournament. *Sakhare Pranil Ramesh (F.Y.J.C.)* was selected for State Level Competition.
- 9) *Miss.Mane Rina Arun (T.Y.BSc.)* secured Silver Medal in Inter collegiate Boxing Competition organized by University of Mumbai.
- 10) *Miss.Gokhale Ketki Jagadish (F.Y.B.Sc.)* secured Gold Medal in Inter collegiate Gymnastics Competition organized by University of Mumbai. She represented Mumbai University for All India level competition & won Bronze medal in Individual competition, University of Mumbai team secured silver Medal.
- 11) *Miss Mrudula V. Sawant (T.Y. B.Sc.)* bagged bronze medal in Judo competition organized by Mumbai University.

Annual Sports Activities:

Indoor Activities were held from 5th December 2014 to 17th December 2014. Annual Athletic Meet was organized on 22th December 2014 on college ground. 378 Students and 145 Teaching & Non-Teaching members participated in various events.

General Championship were awarded to the following Students.

Student's Name	Junior / Degree College	Class & Division
Mr.More Vishal Anant	Degree College	F.Y.B.Sc./C
Miss Patil Darshan Ramchandra	Junior College	S.Y.J.C./D
Miss Gejji Vishnavi Vivek	Degree College & Junior College Girls	F.Y.J.C./C

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ities:

1. **Celebration of foundation day :** It is a practice by our management to celebrate our Foundation day every year on 1st August. On this occasion, all the principals on the campus



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and staff members gather together , plant one tree on the campus and then the programme begins. All principals read the reports of their institutions.

2. **Celebration of Independence day :** This event is jointly celebrated by all the institutes in our campus. This year our chairman began the programme by hoisting the flag. Then NCC cadets' parade was observed by all guests. NSS, NCC candidates sang the patriotic songs. Inauguration of Wall papers prepared by the school children from our sister concerned school was celebrated.
3. **Celebration of Republic day:** This event is jointly celebrated by all the institutes in our campus. Our chairman begins the programme by hoisting the flag, then NCC cadet parade observation takes place. NSS, NCC candidates sing the patriotic songs. Special cultural programme is arranged on this occasion.
4. **Prize distribution and publication of College magazine "Sanyuja" and JBNB**
5. **Smruti Din:** In the memory of Late Dr V.N.Bedekar, on every 14th April Vidya Prasarak Mandal arranged guest lecture by some eminent personality. This year a lecture on Archaeology, Art history and Iconology by Dr Arvind Jamkhedkar was arranged.
6. **Teachers' Day:** On the occasion of Teacher's Day VPM arranges convocation ceremony for the courses which are designed by VPM and degrees are awarded to the students. On this day, lecture by eminent personality is arranged and at their hands only degree has been awarded. This year the guest of honour was Shri Mukand Chitale, Partner, Mukand M Chitale and Co., who is also Past President of Institute of Chartered Accountants of India. It was our great privilege to have such eminent personality to award degrees to successful students.