

Vidya Prasarak Mandal's

B. N. Bandodkar College of Science (Autonomous), Thane NAAC Re-accredited 'A' Grade



BUSINESS LOGISTICS



OPEN-SOURCE LIBRARY SYSTEM



CHEMIICAL ENGINEERING



MEDICAL ADVANCEMENT



FUTURE OF ARTIFICIAL INTELLIGENCE
(AI) TECHNOLOGY



FOOD DELIVERY



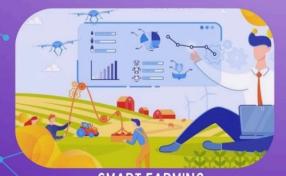
SPACE EXPLORATION



२०२३-२४



SPORTS ANALYTICS



SMART FARMING



LIVESTOCK MANAGEMENT







National Seminar on 'Legal Protection and Improvement of the Environment: Challenges and the Way Forward' was organized by IQAC through the Department of EVS and BWCM in collaboration with IQAC of **Thane Municipal Council Law College**



Felicitation of students on Foundation Day 1st August 2023



Mr. Rajesh Kambali's talk on **Motivation Skills for Junior** College Students in Career Mela



NCC Army Boys Unit and NSS Unit felicitated by MLA, Shri Sanjay Kelkar, at Thane Vision 2030 event.



NSS Award by University of Mumbai



Three Day Science Teacher Training Workshop organized by Dept. of Physics in collaboration with 'Bombay Association for Teacher Education





Inauguration of Cultural Association by hands of Mr. Shubham Vele, Mr. Harsh Sonawane, & Ms. Aishwarya Ruparel



Inauguration of 18th Aavishkar Research Convention Zonal Round by Shri. Anirudhha Joshi (Member, VPM) and Dr. Bhushan Langi (Aavishkar Zonal Coordinator)



B. N. BANDODKAR COLLEGE OF SCIENCE (AUTONOMOUS), THANE

NAAC Re-accredited 'A' Grade, College with Potential for Excellence (CPE),

Best College Award, IS/ISO 21001:2018 Certified (BIS), Recipient of RBNQA Commendation Certificate from IMC,

Recipient of Jagar Janivancha Awards of Govt. of Maharashtra,

Supported Under - FIST 'O' Level (Min. of Sci. & Tech.) & DBT Star College Scheme.

SANYUJA 2023-24

COLLEGE MAGAZINE & WALLPAPER COMMITTEE

Professor Dr. Vinda Manjramkar

(I/C Principal & Chairperson)

Dr. Urmila Kumavat

(Co-ordinator, College Magazine & Wallpaper Committee)

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Ms. Dakshali Sawant (Joint Secretary)
Ms. Mrunali Patil
Ms. Amita Nagavkar
Mr. Damodar Malvankar
Mr. Haris Kazi

Disclaimer: Please note that the contents in the magazine are contributed by various authors and reflect their own opinions. The Management, college, Principal, editorial committee, any of the teaching or non-teaching staff from the college is not responsible for the same, in any case whatsoever.

From the Principal's Desk

Dear Staff and Students.

I welcome you to another exciting edition of our college magazine Sanyuja 2023-24 through which we celebrate the diversity of creativity, talents, ideas, and achievements of our college staff and students.

I am immensely proud of the hard work and dedication displayed by our students as well as and non teaching staff. Together, we continue to uphold the values of excellence, innovation, and integrity that define our institution.

This year, our college has adopted the New Education Policy (NEP) at F.Y.B.Sc. and M.Sc. Part-I levels which involve a comprehensive approach to align institutional practices with the policy's objectives. Through various workshops, seminars and training sessions, college administrators, faculty members and students are made aware about the key principles and goals of the NEP.

All F.Y.B.Sc. and M.Sc. Part-I syllabi are modified and updated to incorporate multidisciplinary and flexible learning pathways with emphasis on critical thinking, research orientation, creativity, and problem-solving skills, as outlined in the NEP. Teaching methods are also refined with experiential learning, project-based learning, and use of technology to promote active engagement and deeper learning among students. Our college promots community service programmes, 'Earn and Learn Schemes'. Eco Friendly Initiatives and Field Visits to understand ecosystem and to foster collaboration with local communities, industries and other stakeholders to enrich learning experience.

It is my belief that by systematically implementing different strategies and encouraging a culture of continuous improvement and adaptation, college can effectively translate the vision of the New Education Policy into tangible outcomes that benefit students, faculty, and society as a whole.

Our college is committed to deliver quality education and it is evident from the achievement of quality benchmarks like audits and ISO certification. Our team is also striving hard to bring benefits from various funding agencies to enhance infrastructure and research facilities.

All these endeavours are not possible without hard work of dedicated Staff and students. Undoubtedly it is fostered by unconditional support of Management.

At the end. I would like to express my gratitude towards Dr. Vijay Bedekar (Chairman of the Vidya Prasarak Mandal. Thane) and his team for their continuous encouragement for all college activities. I also thank the faculty, alumni, students, and parents for all of these noteworthy accomplishments. I wish you all the best.

Professor Dr. Vinda Manjramkar I/C Principal

Editorial

Greetings. Readers!

With a deep sense of gratification, on behalf of the Magazine and Wallpaper Committee. I present another issue of college magazine Sanyuja 2023-24 which is a reflection of our premier institute. It not only encompasses literary creations of staff and students but also involves glimpses of our journey through this wonderful academic year.



It's admirable that Sanyuja has carried over the popular portions from the previous year, such as "Kaleidoscope" and "Promising Career." A promising career fulfils the intellectual needs of students who wish to excel in the classroom and make better career decisions.

Kaleidoscope is an assortment of passionate pieces covering a wide range of topics. It contains motivational tales from role models, student fitness mantras, travelogues, pieces on the viewpoint of technology, suggestions for turning a passion into a business, poems and general articles.

The college magazine lies at the heart of the educational institute as it offers an excellent opportunity for students to express their literary skils. Students also support in arranging as well as formatting entire content to give the shape to the magazine. It enhances organizational behaviour and technical experience of the students. The cover page designing is the most crucial part and it has been designed on the recent theme of 'Future of AI (Artificial Intelligence) technology' Similarly other divider pages and photoplates of activities are also accomplished by students. It was my pleasure to work with a creative team of staff and students.

I thank our beloved I/C Principal Prof. Dr. Vinda Manjramkar for her enduring faith in me and entrusting the task of putting the journey of academic year 2023-24 through Sanyuja.

My sincere congrats to the editing staff, all budding writers and volunteers for producing another successful issue of Sanyuja 2023-24. I hope this venture will find a special place in the heart of readers. Wishing you a happy reading experience!

Dr. Urmila Kumavat Editor

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Sanyuja 2022-23 Publication by Hon. Dr. Agharkar (Member, Vidya Prasarak Mandal) and Mr. Milind Ballal (Alumni & Senior Journalist)



I am delighted to present the annual report of the academic year 2023-2024. It showcases significant progress made by the faculty, staff, and students. The achievements, from academic accomplishments to community outreach initiatives, represent milestones in the college's journey towards fulfilling its vision for the future. The report provides a detailed account of the college's achievements, initiatives, and aspirations for the future, encouraging readers to explore and remain steadfast in their pursuit of excellence.

I invite you to delve into the following pages, where you will find a comprehensive overview of our accomplishments, initiatives, and milestones achieved during the academic year 2023-2024. May this report inspire us to continue our journey of growth, innovation, and excellence in the years to come.

The following is the list of awards/ honours received to the College in the academic year 2023-2024.

Award/ Honour - TWO Awards were received by the college and its staff during this academic year.

No.	Award/ Honour	Conferring/ Inviting Agency
	Best College Award for conducting Election Awareness Drive	Thane Municipal Corporation
2	*	Quick Heal Foundation organized 'Cyber Shiksha for Cyber Suraksha Awards 2024' Pune

Degree College participated in 'Majhi-Vasundhara Competition 2024' conducted by Thane Municipal Corporation. This competition was organized in order to assess Institutional participation in environmental conservation.

Similarly, Junior College participated in 'Mazi Shala Sundar Shala' competition. College was also engaged in free medical check-ups for staff and painting of internal walls.

Memorandum of Understanding MoUs Signed – EIGHT MoUs

Our college has inked MoUs during this academic year for mutual benefit of students and staff with NGOs/ institutions/ foundations during this year as mentioned below:

- 1. Paryavaran Dakshata Mandal (Enviro vigil).
- 2. E Incarnation Recycling Private limited.
- 3. Rayat Shikshan Sanstha's Karmaveer Bhaurao Patil College, Vashi, Navi Mumbai
- 4. Budokan Institute of Martial Arts.
- 5. Lok Raj Sangathan (National Organization).
- 6. KIHE Society's Maharashtra College of Arts, Science and Commerce, Byculla, Mumbai.
- 7. Reiki Divine Spiritual Solutions.
- 8. Bhiwandi Nizampur Nagarpalika college of Arts, Science and Commerce.

Implementation of National Education Policy-2020 – SIX Program/Events conducted, the implementation efforts and initiatives undertaken by VPM's B N Bandodkar College of Science (Autonomous) College, Thane in alignment with the NEP guidelines. To ensure smooth implementation and coordination of NEP-related activities, a dedicated NEP cell has been established and Prof. Dr. Anita Goswami-Giri served as NEP Nodal officer. The quality initiatives conducted are as follows-

Sr.No	Program	Date
1.	Awareness programs were arranged for teaching staff and all FYBSc and MScI students	19th July 2023.
2.	NEP week was celebrated	24-29 July 2023
3.	Prof. (Dr.) Anita Goswami-Giri conducted a lecture explaining the NEP awareness	24th July 2023
4.	For UG students of Human Science and Zoology, and PG students of Clinical Science, Prof. (Dr.) Vinda	25th July 2023
	Manjaramkar delivered the NEP awareness lecture	
5.	Dr. Sangeeta Meshram, Head of the Physics Department, delivered an awareness lecture on NEP for FYBSc	2 nd August 2023.
	and M.Sc.Part I students.	
6.	Awareness was also conducted for parents of FYBSc students of the aided section.	29th February 2024



Sr.	Name	Details	
No.			
1.	I/C Prin. Prof. Dr. Vinda	Hydrolase enzyme complex for treatment of waste water. (Joint)	
	Manjramkar		
2.	I/C Prin. Prof. Dr. Vinda	Artificial intelligence -based approach to study the age associated alterations of brain mitochondria	
	Manjramkar	energetics. (Joint)	
3.	I/C Prin. Prof. Dr. Vinda	Evaluation of cellular properties for non-small cell lung cancer treatment based on advanced	
	Manjramkar	nanoparticle drug delivery systems. Indian Patent. (Joint)	
4.	I/C Prin. Prof. Dr. Vinda	IOT-enabled Respiratory sensor.	
	Manjramkar		
5.	I/C Prin. Prof. Dr. Vinda	Blood glucose monitoring device with testing strip set. (Joint)	
	Manjramkar		
6.	I/C Prin. Prof. Dr. Vinda	Advanced chamber to monitor fish health (Joint)	
	Manjramkar		
7.	Prof. Dr. Anita Goswami-Giri	Thermogravimetric analyzer (TGA) for the measurement of thermal stability of materials.	
	HOD of Chemistry		
8.	Dr. Jayashree Pawar	Method Of Staining Proteins In Native Polyacrylamide Gel Using Betalains In Beetroot Extract	
	Coordinator Biotechnology		
	and		
	Dr. Kalpita Mulye		
	Coordinator, Microbiology		

Books and Research paper published/presented by the staff members – Nineteen Books and Research paper published/presented by the staff members

No. Name		Title of book/ chapter/ research paper	Journal/book/publisher/Or ganizer	Year
		Books		ļ
1.	Dr. Urmila Kumavat	Introduction to Research Methodology.	Book titled 'Multidisciplinary	Feb.
			Research and Innovations'	2024
			ISBN 978-81-970910-5-6	
2.	Dr. Ajit Bhumkar	Dimethyl carbonate with ethers: Thermophysical	IIP Book Series	2023
		study	ISBN: 978-93-5747-689-8.	
3.	Dr. Pralhad Wagh	Molecular Interactions Study between butyl acetate	IIP Book Series	2023
		with alkanes using Ultrasonic Techniques	IIP Series ISBN: 978-93-	
			5747-689-8.	
		Research Papers		
4. I/C Prin. Prof. Dr. Vinda Manjramkar		Blood Cancer Detection and classification using	Scopus Indexed journal	2023
		Auto Encoder and regularized extreme learning		
	(Joint)	machine.		
5.	I/C Prin. Prof. Dr. Vinda	A Novel Machine Learning Technique for Diabetic	Scopus Indexed journal	2023
	Manjramkar	Prediction in IoT based Healthcare Monitoring		
	(Joint)	System.		
6.	I/C Prin. Prof. Dr. Vinda	Rice Yellow Stem Borer: An Overview	The Agriculture Magazine	2024
	Manjramkar (Joint)			
7.	Dr. Anita S. Goswami-Giri	Chemical Modification of Solanum Xanthocarpum	Scopus Indexed journal	2023
	(Joint)	Leaves Rubisco Due To Acidic Stress, Eur		
8.	Dr. Sandeep Kahandal	Revisiting the role of sulfated oxides for the	Tetrahedron Green Chem	2023
	(Joint)	synthesis of pharmaceutically important		
		heterocycles: Understanding, challenges, and future		
		prospects, Tetrahedron Green Chem		
9.	Dr. Sandeep Kahandal	One-Pot Synthesis of CuO-CuFe2O4@rGO	ECS Advances	2023
	(Joint)	Nanostructure with Synergistic Effect for efficient		
		Electrochemical Sensing Application of		
		Paracetamol		
10.	Dr. Sandeep Kahandal	Synthesis of Au-Pd@CeO2 Nanocomposite as a	Journal of Chemical Sciences	2024
	(Joint)	Potential catalyst for the Buchwald-Hartwig Cross		

		Coupling and Amination of Benzyl Alcohol		
		Reactions		
11.	Dr. Jayashree Pawar (Joint)	Role of non-coding RNA in hypoxic tumours and their potential as biomarkers for early detection of cancer.	Scopus Indexed Journal	2024
12.	Dr. Kalpita Mulye	Role of non-coding RNA in hypoxic tumours and their potential as biomarkers for early detection of cancer.	Scopus Indexed Journal	2024
13 .	Aditya Mhatre, Asba Ansari, Urmila Kumavat, Vinda Manjramkar	A Review On Wildlife Conservation Projects For The Flagship Species Of India	Proceeding National Seminar Sponsored by Maharashtra Pollution Control Board, Mumbai on Legal Protection and Improvement of the Environment: Challenges and the Way Forward	24-02- 2024
14	Asba Ansari, Aditya Mhatre, Urmila Kumavat, Vinda Manjramkar	Navigating Lifestyle Challenges For A Greener Environment- A Review	Proceeding National Seminar Sponsored by Maharashtra Pollution Control Board, Mumbai On Legal Protection and Improvement of the Environment: Challenges and the Way Forward	24-02- 2024
		Paper Presentation		
15	I/C Prin. Prof. Dr. Vinda Manjramkar	Seasonal Variation of Zooplanktonic Community Structure in Nilje Lake, Dombivili.	One day international conference on 'Global Paradigm Shift: Initiatives of India in Science, Education, Technology, Business and Climate'.	10 January 2024
16	I/C Prin. Prof. Dr. Vinda Manjramkar	Comparative studies on LGBTQ+ in Ancient, medieval and Modern Civilization.	National History Convention	2023
17.	Dr. Ajit Bhumkar	Current Research Scenario in Science and Technology CRSST-24	National Seminar organized by Arts, Commerce, Science and Computer Science College Ashvi Kd.	19th an 20th January 2024.
18	Dr. Pralhad Wagh	Wagh Current Research Scenario in Science and Technology CRSST-24		19th an 20th January 2024.
19.	Dr. Sandeep Kahandal	National Seminar on Current Research Scenario in Science and Technology conducted by ACS College Ashvi Kd. Pune.	19th -2 th Ja 2024.	

Special Academic and Co-Curricular Achievements by Members of Staff:

Fourteen members received Special Academic and Co-Curricular Achievements

Sr. No.	Name	Department	Achievement	
1.	I/C Prin. Prof. Dr. Vinda	Zoology	Krantijyoti Savitribai Phule Gaurav Puruskar 2024	
	Manjramkar			
2.	Prof. Dr. Anita Goswami	Chemistry	Under her guidance, one student completed Ph.D. Avishkar host Coordinator	
			and organized the University zonal 18th Avishkar Intercollegiate Research	
			Convention on December 5, 2023	

3.	Capt. Bipin Dhumale	NCC Army	Awarded as Instructor of Best RDC Contingent.	
		Boys	Awarded for gracing the event from Manshree foundation.	
			Attended the All India Republic Day Camp (AIRDC) in Delhi, 2024.	
4.	Dr. Jayashree Pawar	Biotechnology	Honourable Vice-chancellor nominated member of Board of Studies,	
			Biotechnology, University of Mumbai since October 2023	
			Nominated by VPM's B. N. Bandodkar College of Science was selected for	
			complementary registration as SSR (Scientific Social Responsibility) under	
			SERB grant of Dr. Jyoti Kode, ACTREC, Navi Mumbai, Maharashtra, India.	
5.	Mr. Anil Athawale	Hindi	Best Teacher Award	
6.	Ms. Sayali Daptardar	Biochemistry	Avishkar Research convention zonal round winner.	
	(Avishkar project guide)			
7.	Ms. Meetali Chinnakar	Biochemistry	Avishkar Research convention zonal round winner.	
8.	Ms. Sumaiya Shaikh	Statistics	Avishkar Research convention zonal round winner.	
9.	Dr. Tanzim Shaikh	Statistics	Awarded Ph.D in statistics.	
10.	Ms. Ankita Shinde	IT-CS	NET Qualified June 2023.	
11.	Mr. Sanket Phad	Physics	M-SET Qualified June 2023.	
12.	Mr. Aditya Mhatre	EVS/BWCM	M-SET Qualified June 2023.	
13.	Ms. Simeen Rumani	BWCM	Cleared MAH-B.Ed CET Exam in 2023, University of Mumba	
14.	Prof. Ankita Shinde	IT/CS	Awarded Extra Mile Recognition in Zone 2, 'Cyber Shiksha for Cyber	
			Suraksha Awards 2024' at Pune on 10th February 2024	

Noteworthy Achievements by students: Fifty-Four students received noteworthy Achievement.

Sr. no.	Name	Department/	Achievement	
		Committee		
1.	Ms. Prachi Aher	Gymkhana	Gold Medal Fencing DSO	
2.	Ms. Rishita Arenkeri	Gymkhana	Selected for Division Level Kickboxing.	
3.	Ms. Amruta P Thombre	Gymkhana	Silver Medal Interzonal Wrestling Competition	
4.	Mr. Sujal Khutwad	Gymkhana	Gold Medal Wrestling DSO	
5.	Ms. Samiksha Salunkhe	Gymkhana	4 th Place Chess Tournament DSO	
6.	Ms. Fariha Sheikh	Gymkhana	Lawn Tennis Bronze DSO	
7.	Mr. Pranay Rakhade	Gymkhana	3 rd Place Shotput DSO	
8.	Mr. Vaishnavi Pravin Virkar	Gymkhana	3 rd Place Kickboxing, DSO	
9.	Ms. Dipali Pankar	Gymkhana	3 rd Place Athletic 400M DSO	
10.	Mr. Aryan Phalke	Gymkhana	Silver Medal Carrom DSO	
11.	Mr. Pratamesh Mhatre	Gymkhana	Third place 200 mtr run	
12.	Mr. Rohan Dalvi	Gymkhana	Selected for Intercollegiate Cricket Team Selection	
13.	Ms. Neha S Pawar	Gymkhana	Silver Medal In Interzonal Weight Lifting	
14.	Mr. Hrushikesh Bedse	Gymkhana	Gold Medalist Taekwondo DSO.	
15.	Mr. Aditya Amol Kamble	Gymkhana	Bronze Medal Powerlifting Competition.	
16.	Ms. Khushi Swarn	Gymkhana	Zonal Level Participation in Carrom DSO.	
17.	Mr. Harshad S Pawar	Gymkhana	Silver Medal In MU Boxing Tournament	
18.	Mr. Paramveer D Singh	Gymkhana	Gold Medal In MU Boxing Tournament	
19.	Mr. Malhar Bhosale	Gymkhana	3 rd Place in Boxing	
20.	Mr. Harsh Sachin Tajane	Gymkhana	Silver medalist intercollegiate Boxing.	
21.	Mr. Vipul Shinde	Gymkhana	Bronze Medal In Boxing.	
22.	Ms. Sakshi Lokhande	Gymkhana	1st Place in Boxing Intercollegiate and 3rd Place Taekwondo Zonal	

23.	Ms. Ketaki Nirbhavane	Biotechnology	First Prize at 'Voice for BT', the intercollegiate public speaking contestor Biotechnology organized by D. Y. Patil University, Navi Mumbai.
24.	Mr. Shravan Bhosle	Human Science	Third Rank (Bronze medal) in elocution competition.
25.	Ms. Soha Joshi	Microbiology	Selected for final round of National level Microbioolympiad competition.
26.	Ms. Padma Mamidisetty	Biotechnology	Selected for final round of National level Microbioolympiad competition.
27.	Ms. Shreya Tambe	Biotechnology	Selected for final round of National level Microbioolympiad competition.
28.	Ms. Soha Joshi	Microbiology	Secured third prize in the intercollegiate event microscope at Somaiya colleg
29.	Ms. Bhargavi Patil	Microbiology	Secured third prize in the intercollegiate event microscope at Somaiya colleg
30.	SUO. Shailesh Rajesh	NCC	Represented the Maharashtra Directorate at the All India Thal Sainik Cam
30.	Yadav		held in Delhi, 2022-23, specifically excelling in Judging Distance ar Field Signal (JDFS).
31.	Disha Gangaram Shewale	Chemistry	First prize in "Elements Auction" Competition arranged by Royal College of Art commerce and Scienc Bhayandar
32.	Mahesh Santosh Kale	Chemistry	First prize in "Elements Auction" Competition arranged by Royal College of Art commerce and Scienc Bhayandar
33.	Sejal Kishor Khopade	Chemistry	First prize in "Elements Auction"
33.	Sejai Kishoi Khopade	Chemistry	Competition arranged by Royal College of Art commerce and Science Bhayandar
34.	Manish Santosh Sharma	Chemistry	First prize in "Elements Auction" Competition arranged by Royal College of Art commerce and Science Bhayandar
35.	Vishal Sunil Shinde	Chemistry	First prize in "Elements Auction" Competition arranged by Royal College of Art commerce and Science Bhayandar
36.	Atharva Bagade	Cultural	Secured SECOND RANK in Classical Instrumental
30.	Allarva Bagade	(Youth festival).	[Percussion] Solo: Taalvadya competition at 56 th Inter-Collegiate / Institute / Department Cultural Youth Festival (Zonal Round): 2023-24 organized at B.I Birla College of Arts, Science and Commerce (Autonomous), Kalyan of August 18, 2023 for Zone IV (Thane Central).
37.	Idrishi Hooeda Makbul	Cultural	Secured THIRD RANK in Cartooning competition
		(Youth festival).	at 56 th Inter-Collegiate / Institute / Department Cultural Youth Festival (Zona Round): 2023-24 organized at Smt. Chandibai Himathmal Mansukhar College, Ulhasnagar on August 12, 2023 for Zone IV (Thane Central).
38.	Kulkarni Shravani Sunil	Cultural	Secured THIRD RANK in Indian Classical Dance
		(Youth festival).	competition at 56 th Inter-Collegiate / Institute / Department Cultural Youth Festival (Zonal Round): 2023-24 organized at B.K. Birla College of Art Science and Commerce (Autonomous), Kalyan on August 18, 2023 for Zone IV (That Central).
39.	Shambhavi Chavan	M.Sc. I BWCM	First prize in a Photography competition in National conference on "Wor
			Wetlands Day" organized by University of Mumbai and Paryavaran Daksha Mandal on 2 nd February 2024.
40.	Shambhavi Chavan	M.Sc. I BWCM	Titled "Checklist of Butterfly Diversity in Godrej Mangroves During Po Monsoon Season" accepted for publication by the upcoming newsletter (202
41.	Sarvesh Abhyankar	M.Sc. II BWCM	of SACON EIACP Programme Centre. Volunteered for 2-day Herpetofauna Count conducted by Green Works Tru

42.	Omkar Mundhe	MSc. II EVS	Won First prize in a poem writing competition organized by the Cultural	
			committee of BNB.	
43.	Nandini tyagi	S.Y. B.Sc. CS	Won prize in category of Outstanding Performance	
44.	Harshada Kotwadekar	S.Y. B.Sc. CS	Won prize in category of Outstanding Performance	
45.	Shlesha Boke	Cultural	Won 3 rd Prize in Dance Sanskar Bharti (State)	
46.	Krutika Jadhav	Cultural	Won 1 st Mandala art Gandharva	
47.	Dhanashri Shinde	Cultural	Best costume (Female) Folk Dance Navratrotsav	
48.	Ayush Gupta	Cultural	Best costume (Male) Folk Dance Navratrotsav	
49.	Sanskar More Best	Cultural	Dance(Male) Folk Dance Navratrotsav	
50.	Swati Lote Best	Cultural	Dance(Female) Folk Dance Navratrotsav	
51.	Saneelah Vasaikar	Biochemistry	2 nd Prize in Mehendi, Intercollegiate Competition, January 2023	
52.	Saneelah Vasaikar – Bhumika Korpe	Biochemistry	1st Rank in Flagship competition, Intercollegiate, December 2023	
53.	Bhumika Korpe	Biochemistry	2 nd Digital poster making competition, college level, March 2024	
54.	Ms. Ashwini Pawar	Chemistry	Awarded Ph.D in chemistry guided by Prof. Dr. Anita Goswami.	

H.S.C Result for the academic year -

Rank Holders

Rank	Name of students	Marks	Percentage
1	Ms. Sanika Gore	572	95.33%
2	Ms. Riya Suryawanshi	556	92.67%
3	Ms. Shreya Gokhale	549	91.50%

First in Subject

Sr.No.	Subject	Name of the students	Marks
1.	English	Suyash Shirsat	93/100
2.	Marathi	Tejaswini Patil	94/100
3.	Hindi	Srushti Yadav	97/100
4.	Sanskrit	Ruhi Dandekar	100/100
		Ajinkya Dharap	100/100
5.	Maths	Sanika Gore	98/100
6.	Physics	Sanika Gore	89/100
7.	Chemistry	Sanika Gore	95/100
8.	Biology	Drushti Bhoir	95/100
9.	Computer	Sanika Gore	200/200
	Science	Shreya Gokhale	200/200

Tabulated Results of the last Board and University Examinations conducted.

Class	% Result
FYJC	96. 25
SYJC	94.00
F.Y.B.Sc.	55.92
S.Y.B.Sc.	70.02
T.Y.B.Sc.	79.57
M.Sc. (Part I)	84.72
M.Sc. (Part II)	98.63

Subject wise results at Graduation and Post-Graduation

No.	Subject	Pass Percentage	No.	Subject	Pass Percentage	No	Subject	Pass Percentage
	(B.Sc. Aided)			(B.Sc. Self-			(M.Sc.)	
				Financing)				
1	Botany	88. 24	1	Biotechnology	92.31	1	Chemistry	100
2	Chemistry	74.19	2	Biochemistry	90.48	2	Environmental Science	100
3	Physics	29.41	3	Computer Science	93.48	3	Information Technology	100
4	Mathematics	59. 26	4	Information Technology	93. 27	4	Physics	88.89



5	Statistics	95.56	5	Human Science	95	5	Biodiversity	100
6	Zoology	68. 09	6	Microbiology	68	1	Conservation	
							and Wildlife	
							Management	
Over	all Result	T.Y.B.Sc 79.57		,	,	M.S	c. 98.63	

Scholarships and Other Grants Received: Scholarships and other grants received were as follows

No.	Scholarship/ Agency	Amount (Rs)
1	Social Welfare Office	40,96,420
2	Jt. Director of H.E. Office	67, 600
3	Mumbai University Book bank scheme	89,096
ГОТА	L	4,253,116

Sponsorship received during the year:

Sr. No.	Committee/ Department	Amount in Rs.
1	Cultural -Aakanksha Fest (Private Agency)	73500
2	Statistics Fest (Private Agency)	19500
3	DLLE (Private Agency)	15000
4	Avishkar Research Convention (UOM)	25000
5	Physics - 3 Days Workshop (NGO)	25000
6	UDAAN Fest (UOM)	30000
7	Mazi Shala Sundar Shala (Rotary Club)	10000
8	Chemistry (Private Agency)	5000
9	Zoomagica (Rotary Club)	10000
TOTAL		2,13,000/-

Collaboration Activity with Mangrove Foundation and Forest Department

- Guest Lecture was arranged on 26th July 2023 i.e. International Day for Conservation of Mangrove 2023. It intended to create awareness of the mangrove ecosystem for better understanding, their importance for maintaining a sustainable environment and to identify their degradation factors showing a potential impact on local communities livelihood. It was attended by a total of 66 participants.
- Poster Competition on account of International Day for Conservation of Mangrove 2023 was arranged on 25/07/2023. Total 15 participants presented a poster competition. Results of Poster Competition conducted were announced:

Rank 1: Varada Chavan (BZ)

Rank 2: Sampada Kulkarni (CZ)

Rank 3: Shruti Patil (Biochemistry)

Consolation 1 :Sanskriti Mourya (HS)

Consolation 2 (Divided) Vaishnavi Chavan (CZ) and Melvin Nadar (Biochemistry)

Millet's mela and walkathon

Millet's mela and walkathon was organized in collaboration with the Food and Drugs administration on 23/08/2023. Total 158 participants attended this program and Guest Resource persons included:

· Nandakumar Waghmare - Information officer



- · V H Chavan Asst. Committee (Retd)
- · D W Bhagwade Asst. Committee FDA
- · Pravin Suryavanshi Asst. Committee FDA
- · V V Vedpathak Asst. Committee FDA
- · Gajanan patil Grahak Service Ganesh Joshi President Grahak Raja
- · Vinaykumar Awate Member CCRH
- · Dr. Shital Nagare Dietician Civil Thane
- · Rajkumar Powar Assf. Police ACP

'Meri Maati Mera Desh' Activity by NSS Unit

'Meri Maati Mera Desh' is a nationwide campaign launched to honour the Veers and Veeranganas who have made the supreme sacrifice for the country. The NSS unit of our college conducted many activities in the months of August and September 2023 with the focus on the theme of campaign - 'Mitti ko Naman, Veero ka Vandan'.

NSS volunteers took 'Panch Pran' pledge. A Felicitation program was conducted for honoring the retired freedom fighters. Plantation of saplings of indigenous species was conducted at Kolshet, Thane in collaboration with TMC. 'Amrit Vatika' was developed near the NSS garden. 'Amrut Kalash' developed by collection of mitti (soil) from different parts of the city and nearby villages by students which was sent to the Amrit Kalash Yatra at Kartavya Path in New Delhi.

Flash mob Activity to create awareness about Tuberculosis

NSS UNIT and Cultural association in collaboration with Thane Municipal Corporation organized Flash mob to create awareness about Tuberculosis at various public places of Thane City like Shivaji Hospital, Thane Market, Jambhali naka, Thane Railway Station, B.N. Bandodkar College of Science and Municipal Office, Pachpakhadi, Thane on 5th January 2024. Through dance, music and other creative expressions, key messages about TB prevention, symptoms, treatment, and stigma reduction were effectively communicated to a wide audience.

बांदोडकर स्वायत विज्ञान महाविद्यालयात मराठी भाषा गौरव दिन उत्साहात साजरा

एकीकडे मराठी भाषेला अभिजात दर्जा प्राप्त करून देण्यासाठी प्रयत्न व आंतरराष्ट्रीय स्तरावर मराठी भाषा व संस्कृती यांचा उमटत असलेला ठसा, या पार्श्वभूमीवर बांदोडकर स्वायत विज्ञान महाविद्यालयात मराठी भाषा गौरव दिनानिमित एका आगळ्यावेगळ्या कार्यक्रमाचे आयोजन करण्यात आले. या मध्ये ज्येष्ठ सामाजिक कवी श्री. किरण सोनवणे व मराठी भाषेच्या अभ्यासक व *कवितेच्या वाटेवर*या कार्यक्रमाद्वारे महाराष्ट्रातील मनामनांत पोहोचलेल्या साधना जोशी यांना प्रमुख पाहणे म्हणून आमंत्रित करण्यात आले होते.

बा.ना.बांदोडकर विज्ञान महाविद्यालयात २६ नोव्हेंबर २०२३ साविंधन दिनाचे औचित्य साधून महाविद्यालयाने चित्रकला स्पर्धा व निबंध स्पर्धेच आयोजन केले होत, जवळ जवळ ३५ मुलांनी मुलीनी सहभाग घेतला होता, अतिशय उत्कृष्ट निबंध आणि सुंदर अभ्यासपूर्ण चित्रकला विद्यार्थ्यांनी केली होती आपल्याच महाविद्यालयाचे लॅब टेक्निशियन श्री. अविनाश भूरंगे यांनी परीक्षण केले व क्रमांक दिला चित्रकले मध्ये

1. प्रथम क्रमांक : क्मारी मृणाली मोरे११/बी

2. द्वितीय क्रमांक : कुमारी रिशीता अरेनकेरी १२/ए

3. तृतीय क्रमांक : कुमारी स्नेहा सुतार ११/सी

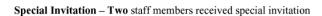
तसेच निबंध स्पर्धेत

प्रथम क्रमांक : कुमार सिद्धेश वाघचौर ११/ С
 द्वितीय क्रमांक : कुमार कुणाल भोये ११/ए

3. तृतीय क्रमांक : क्मार सिद्धेश भोंडवे १२/

∗बा.ना.बांदोडकर विज्ञान स्वायत महाविदयालय ठाणे हिंदी दिवस बह्त ही उत्साह के साथ पतंजलि सभागार में सप्पन∗

प्रमुख अतिथि प्रोफेसर अनिल ढवले जोशी बेडेकर महाविद्यालय के विरष्ठ महाविद्यालय के प्रोफेसर जी के करकमलों से दिपप्रज्वलन कर कार्यक्रम की शुरुआत हुई | प्रमुख अतिथि मा. अनिल ढवले जी ने छात्रों को संबोधित करते हुए कहा कि हिंदी में एक किव अपनी छिव बिखेर सकता है जैसे कि सुप्रसिद्ध किव कुमार विश्वास इन्होंने केवल किवता के बल पर पूरी दुनिया में छा सकते हैं उनको किवता के जिरये आर्थिक फायदा हो सकता है मतलब आप हिंदी को समृद्ध कर अपना अर्थिक विकास भी कर सकते हो | छात्रों ने सुमधुर वाणी में स्वागत गीत से महमानों का स्वागत किया | छात्रों ने अलग अलग कलाविष्कार के माध्यम से नृत्य, नाटक, भाषण, किवता वाचन, उत्कृष्ट सुत्रसंचालन कर "हिंदी दिवस " की गिरमा को चार चांद लगा दिया |



- 1. I/C Prin. Prof. Dr. Vinda Manjaramkar
 - Online meeting of Board of studies in Zoology on 9th March 2024
- 2. Mrs. Surabhi Walavalkar Thosar (BWCM/EVS):
- → Invited as a Judge for 'Lokmat Eco Friendly Ganesh Festival 2023' competition.
- → Invited as a Judge for 'Essay Competition' in a National conference on World Wetlands Day organized by University of Mumbai and Paryavaran Dakshata Mandal
- → Guest Lecture, delivered a Talk on 'Introduction to Biodiversity' in Khuli Paryavaran Shala (Online Open Environmental School) an initiative by Thane Municipal Corporation and Paryavaran Dakshata Mandal.

Avishkar 2023-24 - Three projects achieved certificate of merit.

18th Inter-collegiate/Institute /department Avishkar Research Convention AY-2023-24

ZONE IV: Thane West (Code 4-21) has been hosted by B. N. Bandodkar College of Science (Autonomous) on 5th Dec 2023.

	Undergraduate (UG), Postgraduat	e (PG), and Post PG students (PPG) students from Thane zone
Category	Subjects/Field	Total
Category -1	Humanities, Languages, and Fine Arts	Total of 168 projects were presented in poster and PowerPoint format and selected
Category 2	Commerce, management, and Law	projects among them were sent to the regional level.
Category 3	Pure Sciences	
Category 4-	Agriculture and Animal Husbandry	
Category 5 -	Engineering and Technology;	
Category 6 -	Medicine and Pharmacy.	
	Certificate of meri	t was achieved by three projects of our College

From B. N. Bandodkar College of Sciences, a total of 19 projects were presented by 43 students under the guidance of 13 teachers in UG and PG categories from Chemistry, Physics, Zoology, Biochemistry, Statistics, Human science, Environmental Science and Clinical Psychology. Certificate of merit was achieved by three projects. They are as follows -

Nam	e of the students	Department/ Class	Topic Name	Under the guidance of	Presented	Year
1.	Sonali Mishra	S.Y.B.Sc	Unravelling the potential of	Ms. Meetali Chinnkar	Avishkar (Zonal Round	2023
2.	Aliya Shaikh	Biochemistry	water melon peel as dyes.		winners)	
3.	Gayatri Sahu	S.Y.B.Sc.	Extraction and application	Ms. Sayali Daptardar	Avishkar (Zonal Round	2023
4.	Anushka Kulkarni	Biochemistry	of chitin and its derivative.		winners)	
5.	Shravani Chipade					
6.	Aditya Shinde	T.Y.B.Sc.	A comprehensive study of	Ms. Sumaiya Shaikh	Avishkar (Zonal Round	2023
7.	Tejas Desai		times series prediction method for forecasting		winners)	
8.	Kaustubh Jadhav		future trends in UPI transactions.			

Service to the Nation: National Service Scheme (NSS) – Sixty-Seven Drives / Donation / Plantation/ etc

Clean-Up Drive						
Sr. no.	Date	Event Name	Collaboration	Location		
1)	10/6/2023	Cleanlinesss drive at college	None	College campus		
2)	1/9/2023	Swachta pledge (shs)	None	B.N. Bandodkar College science (Autonomous) , Thane(w).		
3)	16/9/2023	Cleanliness drive at kopri (coastal clean up)	Paryavaran Dakshata	Chendani koliwada		
4)	17/9/2023	Cycle rally on swachta hi seva	TMC	Thane Municipal Corporation		
5)	25/9/2024	Campus cleaning drive (shs)	None	College campus		

7)		Yeoor hills (cleanup drive)	None	
	01/10/2023	Cleanliness drive at public	None	Thane railway station
0)	01/10/2022	Place bus stand	None	Thomas military station
8)	01/10/2023	Cleanliness drive at public Place bus stand	None	Thane railway station
9)	22/11/2023	College cleanliness drive (shs)	None	College campus
10)	26/12/2023	Cleanliness drive at yeoor	None	Yeoor hills
		Hills d-1		
11)	28/12/2023	Cleanliness drive at yeoor	None	Yeoor hills
		Hills d-2		
12)	29/12/2023	Cleanliness drive at yeoor	None	Yeoor hills
13)	30/12/2023	Hills d-3 Cleanliness drive at yeoor	None	Yeoor hills
13)	30/12/2023	Hills d-4	None	reoor mils
14)	13/1/2024	Cleanliness drive at yeoor hill	None	Yeoor hills
15)	18/1/2024	Cleanliness drive at yeoor hill	None	Yeoor hills
16)	21/1/2024	Cleanliness drive at yeoor hill	None	Yeoor hills
		Blood	Donation Camp	
Sr. no.	Date	Event Name	Collaboration	Location
17)	19/6/2023	Mega blood donation camp	Thane civil	Building no. 7, B.N. Bandodkar College science
10)	0/10/2022	DI 11 (")	Hospital	(Autonomous), Thane(w).
18)	2/12/2023	Blood donation camp (college)	Thane civil	Building no. 7, B.N. Bandodkar College science
10)	3/12/2022	Blood donation comm (4)	Hospital Kai	(Autonomous), Thane(w).
19)	3/12/2023	Blood donation camp (thane Railway station)	Wamanrao Oak blood	Thane railway station
		Nanway Station)	bank.	
20)	16/12/2022	Blood donation camp (thane	Shivsanskruti Samajik	Thane railway station
,		Railway station)		
	1		lantation Drive	
			Callabanadan	T +!
Sr. no.	Date	Event Name	Collaboration	Location
	Date 5/6/2023	Tree plantation at college	None	College campus
21)	5/6/2023	Tree plantation at college	None	College campus
		Tree plantation at college Tree plantation at kolshet		College campus Shaheed kishor ganpat patil udyaan-
21)	5/6/2023	Tree plantation at college Tree plantation at kolshet (mmmd)	None	College campus
21)	5/6/2023	Tree plantation at college Tree plantation at kolshet (mmmd)	None None Polio Drive	College campus Shaheed kishor ganpat patil udyaan- amrutvatika.kolshet
21)	5/6/2023	Tree plantation at college Tree plantation at kolshet (mmmd)	None	College campus Shaheed kishor ganpat patil udyaan-
21) 22) Sr. no.	5/6/2023 12/8/2023 Date	Tree plantation at college Tree plantation at kolshet (mmmd) Puls Event Name	None None Polio Drive Collaboration	College campus Shaheed kishor ganpat patil udyaan- amrutvatika.kolshet Location
21) 22) Sr. no. 23)	5/6/2023 12/8/2023 Date	Tree plantation at college Tree plantation at kolshet (mmmd) Puls Event Name	None None Polio Drive Collaboration Pulse polio	College campus Shaheed kishor ganpat patil udyaan- amrutvatika.kolshet Location
21) 22) Sr. no. 23) 24)	5/6/2023 12/8/2023 Date 28/5/2023 29/5/2023	Tree plantation at college Tree plantation at kolshet (mmmd) Pulse Event Name Pulse polio drive day -1 Pulse polio drive day -2	None None Polio Drive Collaboration Pulse polio Immunisation Pulse polio Immunisation	College campus Shaheed kishor ganpat patil udyaan- amrutvatika.kolshet Location Thane railway station Thane railway station
22) Sr. no. 23)	5/6/2023 12/8/2023 Date 28/5/2023	Tree plantation at college Tree plantation at kolshet (mmmd) Puls Event Name Pulse polio drive day -1	None Polio Drive Collaboration Pulse polio Immunisation Pulse polio Immunisation Pulse polio	College campus Shaheed kishor ganpat patil udyaan- amrutvatika.kolshet Location Thane railway station
21) 22) Sr. no. 23) 24) 25)	5/6/2023 12/8/2023 Date 28/5/2023 29/5/2023 30/5/2023	Tree plantation at college Tree plantation at kolshet (mmmd) Puls Event Name Pulse polio drive day -1 Pulse polio drive day -2 Pulse polio drive day -3	None None Polio Drive Collaboration Pulse polio Immunisation Pulse polio Immunisation Pulse polio Immunisation Pulse polio Immunisation	College campus Shaheed kishor ganpat patil udyaan- amrutvatika.kolshet Location Thane railway station Thane railway station Thane railway station
22) Sr. no. 23) 24) 25)	5/6/2023 12/8/2023 Date 28/5/2023 29/5/2023	Tree plantation at college Tree plantation at kolshet (mmmd) Pulse Event Name Pulse polio drive day -1 Pulse polio drive day -2	None None Re Polio Drive Collaboration Pulse polio Immunisation	College campus Shaheed kishor ganpat patil udyaan- amrutvatika.kolshet Location Thane railway station Thane railway station
21) 22) Sr. no. 23) 24) 25)	5/6/2023 12/8/2023 Date 28/5/2023 29/5/2023 30/5/2023 31/5/2023	Tree plantation at college Tree plantation at kolshet (mmmd) Pulse Event Name Pulse polio drive day -1 Pulse polio drive day -2 Pulse polio drive day -3 Pulse polio drive day -4	None None Polio Drive Collaboration Pulse polio Immunisation	College campus Shaheed kishor ganpat patil udyaan-amrutvatika.kolshet Location Thane railway station Thane railway station Thane railway station Thane railway station
21) 22) Sr. no. 23) 24) 25)	5/6/2023 12/8/2023 Date 28/5/2023 29/5/2023 30/5/2023	Tree plantation at college Tree plantation at kolshet (mmmd) Puls Event Name Pulse polio drive day -1 Pulse polio drive day -2 Pulse polio drive day -3	None None Polio Drive Collaboration Pulse polio Immunisation Pulse polio	College campus Shaheed kishor ganpat patil udyaan- amrutvatika.kolshet Location Thane railway station Thane railway station Thane railway station
21) 22) Sr. no. 23) 24) 25) 26)	5/6/2023 12/8/2023 Date 28/5/2023 29/5/2023 30/5/2023 31/5/2023 1/6/2023	Tree plantation at college Tree plantation at kolshet (mmmd) Pulse Event Name Pulse polio drive day -1 Pulse polio drive day -2 Pulse polio drive day -3 Pulse polio drive day -4 Pulse polio drive day -5	None None Polio Drive Collaboration Pulse polio Immunisation	College campus Shaheed kishor ganpat patil udyaan-amrutvatika.kolshet Location Thane railway station
21) 22) Sr. no. 23) 24) 25)	5/6/2023 12/8/2023 Date 28/5/2023 29/5/2023 30/5/2023 31/5/2023	Tree plantation at college Tree plantation at kolshet (mmmd) Pulse Event Name Pulse polio drive day -1 Pulse polio drive day -2 Pulse polio drive day -3 Pulse polio drive day -4	None None Polio Drive Collaboration Pulse polio Immunisation Pulse polio	College campus Shaheed kishor ganpat patil udyaan-amrutvatika.kolshet Location Thane railway station Thane railway station Thane railway station Thane railway station
21) 22) Sr. no. 23) 24) 25) 26)	5/6/2023 12/8/2023 Date 28/5/2023 29/5/2023 30/5/2023 31/5/2023 1/6/2023	Tree plantation at college Tree plantation at kolshet (mmmd) Pulse Event Name Pulse polio drive day -1 Pulse polio drive day -2 Pulse polio drive day -3 Pulse polio drive day -4 Pulse polio drive day -5	None None Collaboration Pulse polio Immunisation Pulse polio	College campus Shaheed kishor ganpat patil udyaan-amrutvatika.kolshet Location Thane railway station
22) Sr. no. 23) 24) 25) 26) 27)	5/6/2023 12/8/2023 12/8/2023 Date 28/5/2023 29/5/2023 30/5/2023 1/6/2023 2/6/2023	Tree plantation at kolshet (mmmd) Pulse Event Name Pulse polio drive day -1 Pulse polio drive day -2 Pulse polio drive day -3 Pulse polio drive day -4 Pulse polio drive day -5 Pulse polio drive day -5 Pulse polio drive day -6	None None Re Polio Drive Collaboration Pulse polio Immunisation	College campus Shaheed kishor ganpat patil udyaan-amrutvatika.kolshet Location Thane railway station
22) Sr. no. 223) 224) 225) 226) 227)	5/6/2023 12/8/2023 12/8/2023 Date 28/5/2023 29/5/2023 30/5/2023 1/6/2023 2/6/2023	Tree plantation at kolshet (mmmd) Pulse Event Name Pulse polio drive day -1 Pulse polio drive day -2 Pulse polio drive day -3 Pulse polio drive day -4 Pulse polio drive day -5 Pulse polio drive day -6 Pulse polio drive day -6	None None Re Polio Drive Collaboration Pulse polio Immunisation Thane	College campus Shaheed kishor ganpat patil udyaan-amrutvatika.kolshet Location Thane railway station
22) Sr. no. 23) 24) 25) 26) 27) 28) 29)	5/6/2023 12/8/2023 Date 28/5/2023 29/5/2023 30/5/2023 1/6/2023 1/6/2023 10/12/2023 Date	Tree plantation at kolshet (mmmd) Pulse Event Name Pulse polio drive day -1 Pulse polio drive day -2 Pulse polio drive day -3 Pulse polio drive day -4 Pulse polio drive day -5 Pulse polio drive day -6 Pulse polio drive	None None Polio Drive Collaboration Pulse polio Immunisation Thane Municipal	College campus Shaheed kishor ganpat patil udyaan-amrutvatika.kolshet Location Thane railway station Ayurvedic hospital ,near dadoji kondev stadium Location
22) Sr. no. 23) 24) 25) 26) 27)	5/6/2023 12/8/2023 Date 28/5/2023 29/5/2023 30/5/2023 1/6/2023 2/6/2023 10/12/2023	Tree plantation at kolshet (mmmd) Pulse Event Name Pulse polio drive day -1 Pulse polio drive day -2 Pulse polio drive day -3 Pulse polio drive day -4 Pulse polio drive day -5 Pulse polio drive day -6 Pulse polio drive day -6 Clothes and C Event Name Clothes and grains collection	None None Polio Drive Collaboration Pulse polio Immunisation Thane Municipal Grain Collection Drive	College campus Shaheed kishor ganpat patil udyaan-amrutvatika.kolshet Location Thane railway station Location Building no. 7, B.N. Bandodkar College science
22) Sr. no. 23) 24) 25) 26) 27) 28) Sr. no. 30)	5/6/2023 12/8/2023 12/8/2023 28/5/2023 29/5/2023 30/5/2023 1/6/2023 1/6/2023 10/12/2023 Date 25/7/2023	Tree plantation at kolshet (mmmd) Pulse Event Name Pulse polio drive day -1 Pulse polio drive day -2 Pulse polio drive day -3 Pulse polio drive day -4 Pulse polio drive day -5 Pulse polio drive day -6 Pulse polio drive day -6 Clothes and C Event Name Clothes and grains collection Drive (irshalwadi ehaviora) day-1	None Re Polio Drive Collaboration Pulse polio Immunisation Collaboration None	College campus Shaheed kishor ganpat patil udyaan-amrutvatika.kolshet Location Thane railway station Ayurvedic hospital ,near dadoji kondev stadium Location Building no. 7, B.N. Bandodkar College science (Autonomous) , Thane(w).
22) Sr. no. 223) 224) 225) 226) 227) 228) 229)	5/6/2023 12/8/2023 Date 28/5/2023 29/5/2023 30/5/2023 1/6/2023 1/6/2023 10/12/2023 Date	Tree plantation at college Tree plantation at kolshet (mmmd) Pulse Event Name Pulse polio drive day -1 Pulse polio drive day -2 Pulse polio drive day -3 Pulse polio drive day -4 Pulse polio drive day -5 Pulse polio drive day -6 Pulse polio drive day -6 Clothes and C Event Name Clothes and grains collection Drive (irshalwadi chaviora) day-1 Clothes and grains collection	None Re Polio Drive Collaboration Pulse polio Immunisation Collection Drive Collaboration	College campus Shaheed kishor ganpat patil udyaan-amrutvatika.kolshet Location Thane railway station Ayurvedic hospital ,near dadoji kondev stadium Location Building no. 7, B.N. Bandodkar College science (Autonomous) , Thane(w). Building no. 7, B.N. Bandodkar College science
22) Sr. no. 223) 224) 225) 226) 227) 228) 229) Sr. no. 330)	5/6/2023 12/8/2023 12/8/2023 28/5/2023 29/5/2023 30/5/2023 1/6/2023 1/6/2023 10/12/2023 Date 25/7/2023	Tree plantation at kolshet (mmmd) Pulse Event Name Pulse polio drive day -1 Pulse polio drive day -2 Pulse polio drive day -3 Pulse polio drive day -4 Pulse polio drive day -5 Pulse polio drive day -6 Pulse polio drive day -6 Clothes and C Event Name Clothes and grains collection Drive (irshalwadi ehaviora) day-1	None Re Polio Drive Collaboration Pulse polio Immunisation Collaboration None	College campus Shaheed kishor ganpat patil udyaan-amrutvatika.kolshet Location Thane railway station Ayurvedic hospital ,near dadoji kondev stadium Location Building no. 7, B.N. Bandodkar College science (Autonomous) , Thane(w).

33)	29/7/2023	Clothes and grains collection	None	Building no. 7, B.N. Bandodkar College science
		Drive (irshalwadi ehaviora) day-4		(Autonomous), Thane(w).
34)	31/7/2023	Clothes and grains collection	None	Building no. 7, B.N. Bandodkar College science
		Drive (irshalwadi ehaviora) day-5		(Autonomous), Thane(w).
Rakhi Stal		EAN	Callabarration	T
Sr. no.	Date	Event Name	Collaboration	Location
35)	11/8/2023	Rakhi stall day -1	None	Building no. 7, B.N. Bandodkar College science
20	10/0/0022	D 11: . II 1 . 0) T	(Autonomous), Thane(w).
36)	12/8/2023	Rakhi stall day -2	None	Building no. 7, B.N. Bandodkar College science
27)	16/8/2023	Della stell dess 2	None	(Autonomous), Thane(w).
37)	16/8/2023	Rakhi stall day -3	None	Building no. 7, B.N. Bandodkar College science (Autonomous), Thane(w).
38)	17/8/2023	Rakhi stall day -4	None	Building no. 7, B.N. Bandodkar College science
36)	17/6/2023	Rakiii Staii day -4	None	(Autonomous), Thane(w).
39)	18/8/2023	Rakhi stall day – 5	None	Building no. 7, B.N. Bandodkar College science
39)	16/6/2023	Kakiii staii day – 3	None	(Autonomous), Thane(w).
40)	19/8/2023	Rakhi stall day -6	None	Building no. 7, B.N. Bandodkar College science
10)	19/0/2023	rakiii staii day 0	Trone	(Autonomous), Thane(w).
41)	21/8/2023	Rakhi stall day -7	None	Building no. 7, B.N. Bandodkar College science
,	21,0,2025	Tunin sun day ,		(Autonomous), Thane(w).
42)	24/8/2023	Rakhi stall day -8	None	Building no. 7, B.N. Bandodkar College science
,				(Autonomous), Thane(w).
43)	26/8/2023	Rakhi stall day -9	None	Building no. 7, B.N. Bandodkar College science
				(Autonomous), Thane(w).
Plastic Col	llection Drive			
Sr. no.	Date	Event Name	Collaboration	Location
44)	26/9/2023	Plastic collection drive -1	None	College campus
45)	27/9/2023	Plastic collection drive -2	None	College campus
46)	29/9/2023	Plastic collection drive -3	None	College campus
47)	5/10/2023	Plastic collection drive -4	None	College campus
48)	6/10/2023	Plastic collection drive -5	None	College campus
49)	7/10/2023	Plastic collection drive -6	None	College campus
Snacks Ma	iking Drive			
Sr. no.	Date	Event Name	Collaboration	Location
50)	1/11/2023	Snacks making at yeoor d-1	None	Yeoor hills
51)	2/11/2023	Snacks making at yeoor d-2	None	Yeoor hills
52)	3/11/2023	Snacks making at yeoor d-3	None	Yeoor hills
53)	5/11/2023		Mana	
		Snacks making at yeoor d-4	None	Yeoor hills
54)	6/11/2023	Snacks making at yeoor d-5	None	Yeoor hills
54) 55)	6/11/2023 7/11/2023	Snacks making at yeoor d-5 Snacks making at yeoor d-6	None None	Yeoor hills Yeoor hills
54) 55) 56)	6/11/2023 7/11/2023 8/11/2023	Snacks making at yeoor d-5 Snacks making at yeoor d-6 Snacks making at yeoor d-7	None None None	Yeoor hills Yeoor hills Yeoor hills
54) 55) 56) 57)	6/11/2023 7/11/2023 8/11/2023 9/11/2023	Snacks making at yeoor d-5 Snacks making at yeoor d-6	None None	Yeoor hills Yeoor hills
54) 55) 56) 57) Diwali Far	6/11/2023 7/11/2023 8/11/2023 9/11/2023 ral Stall Drive	Snacks making at yeoor d-5 Snacks making at yeoor d-6 Snacks making at yeoor d-7 Snacks making at yeoor d-8	None None None None	Yeoor hills Yeoor hills Yeoor hills Yeoor hills
54) 55) 56) 57) Diwali Far Sr. no.	6/11/2023 7/11/2023 8/11/2023 9/11/2023 ral Stall Drive Date	Snacks making at yeoor d-5 Snacks making at yeoor d-6 Snacks making at yeoor d-7 Snacks making at yeoor d-8 Event Name	None None None Collaboration	Yeoor hills Yeoor hills Yeoor hills Yeoor hills Location
54) 55) 56) 57) Diwali Far	6/11/2023 7/11/2023 8/11/2023 9/11/2023 ral Stall Drive	Snacks making at yeoor d-5 Snacks making at yeoor d-6 Snacks making at yeoor d-7 Snacks making at yeoor d-8	None None None None	Yeoor hills Yeoor hills Yeoor hills Yeoor hills Yeoor hills Location Building no. 7, B.N. Bandodkar College science
54) 55) 56) 57) Diwali Far Sr. no. 58)	6/11/2023 7/11/2023 8/11/2023 9/11/2023 ral Stall Drive Date 4/11/2023	Snacks making at yeoor d-5 Snacks making at yeoor d-6 Snacks making at yeoor d-7 Snacks making at yeoor d-8 Event Name Diwali faral stall d-1	None None None Collaboration None	Yeoor hills Yeoor hills Yeoor hills Yeoor hills Yeoor hills Location Building no. 7, B.N. Bandodkar College science (Autonomous), Thane(w).
54) 55) 56) 57) Diwali Far Sr. no.	6/11/2023 7/11/2023 8/11/2023 9/11/2023 ral Stall Drive Date	Snacks making at yeoor d-5 Snacks making at yeoor d-6 Snacks making at yeoor d-7 Snacks making at yeoor d-8 Event Name	None None None Collaboration	Yeoor hills Yeoor hills Yeoor hills Yeoor hills Yeoor hills Location Building no. 7, B.N. Bandodkar College science (Autonomous), Thane(w). Building no. 7, B.N. Bandodkar College science
54) 55) 56) 57) Diwali Far Sr. no. 58)	6/11/2023 7/11/2023 8/11/2023 9/11/2023 ral Stall Drive Date 4/11/2023	Snacks making at yeoor d-5 Snacks making at yeoor d-6 Snacks making at yeoor d-7 Snacks making at yeoor d-8 Event Name Diwali faral stall d-1 Diwali faral stall d-2	None None None Collaboration None None	Yeoor hills Yeoor hills Yeoor hills Yeoor hills Yeoor hills Location Building no. 7, B.N. Bandodkar College science (Autonomous), Thane(w). Building no. 7, B.N. Bandodkar College science (Autonomous), Thane(w).
54) 55) 56) 57) Diwali Far Sr. no. 58)	6/11/2023 7/11/2023 8/11/2023 9/11/2023 ral Stall Drive Date 4/11/2023	Snacks making at yeoor d-5 Snacks making at yeoor d-6 Snacks making at yeoor d-7 Snacks making at yeoor d-8 Event Name Diwali faral stall d-1	None None None Collaboration None	Yeoor hills Yeoor hills Yeoor hills Yeoor hills Yeoor hills Location Building no. 7, B.N. Bandodkar College science (Autonomous), Thane(w). Building no. 7, B.N. Bandodkar College science (Autonomous), Thane(w). Building no. 7, B.N. Bandodkar College science
54) 55) 56) 57) Diwali Far Sr. no. 58) 59)	6/11/2023 7/11/2023 8/11/2023 9/11/2023 ral Stall Drive Date 4/11/2023 6/11/2023	Snacks making at yeoor d-5 Snacks making at yeoor d-6 Snacks making at yeoor d-7 Snacks making at yeoor d-8 Event Name Diwali faral stall d-1 Diwali faral stall d-2 Diwali faral stall d-3	None None None Collaboration None None None	Yeoor hills Yeoor hills Yeoor hills Yeoor hills Yeoor hills Location Building no. 7, B.N. Bandodkar College science (Autonomous), Thane(w). Building no. 7, B.N. Bandodkar College science (Autonomous), Thane(w). Building no. 7, B.N. Bandodkar College science (Autonomous), Thane(w).
54) 55) 56) 57) Diwali Far Sr. no. 58)	6/11/2023 7/11/2023 8/11/2023 9/11/2023 ral Stall Drive Date 4/11/2023	Snacks making at yeoor d-5 Snacks making at yeoor d-6 Snacks making at yeoor d-7 Snacks making at yeoor d-8 Event Name Diwali faral stall d-1 Diwali faral stall d-2	None None None Collaboration None None	Yeoor hills Yeoor hills Yeoor hills Yeoor hills Yeoor hills Yeoor hills Location Building no. 7, B.N. Bandodkar College science (Autonomous), Thane(w). Building no. 7, B.N. Bandodkar College science (Autonomous), Thane(w). Building no. 7, B.N. Bandodkar College science (Autonomous), Thane(w). Building no. 7, B.N. Bandodkar College science (Autonomous), Thane(w).
54) 55) 56) 57) Diwali Far Sr. no. 58) 59)	6/11/2023 7/11/2023 8/11/2023 9/11/2023 ral Stall Drive Date 4/11/2023 6/11/2023	Snacks making at yeoor d-5 Snacks making at yeoor d-6 Snacks making at yeoor d-7 Snacks making at yeoor d-8 Event Name Diwali faral stall d-1 Diwali faral stall d-2 Diwali faral stall d-3	None None None Collaboration None None None	Yeoor hills Yeoor hills Yeoor hills Yeoor hills Yeoor hills Location Building no. 7, B.N. Bandodkar College science (Autonomous), Thane(w). Building no. 7, B.N. Bandodkar College science (Autonomous), Thane(w). Building no. 7, B.N. Bandodkar College science

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Stationary	Collection Dri	ve		•
Sr. no.	Date	Event Name	Collaboration	Location
63)	3/1/2024	Stationery collection drive d-1	None	Building no. 7, B.N. Bandodkar College science
				(Autonomous), Thane(w).
64)	4/1/2024	Stationery collection drive d-2	None	Building no. 7, B.N. Bandodkar College science
				(Autonomous), Thane(w).
65)	5/1/2024	Stationery collection drive d-3	None	Building no. 7, B.N. Bandodkar College science
				(Autonomous), Thane(w).
66)	8/1/2024	Stationery collection drive d-4	None	Building no. 7, B.N. Bandodkar College science
				(Autonomous), Thane(w).
67)	12/1/2024	Stationery collection drive d-5	None	Building no. 7, B.N. Bandodkar College science
				(Autonomous), Thane(w).

Service to the Nation: National Cadet Corps (NCC) - Thirty-seven Events/Activity/Camps conducted under NCC.

NCC Activities:

- 1. The ASC THANE UNIT celebrates Independence Day and Republic Day annually, organizing various programs.
- 2. Cadets actively participate in social initiatives such as blood donation drives, tree plantation campaigns, and events commemorating occasions like Kargil Vijay Diwas, Shahid Diwas, and Yoga Day.
- 3. Engaging in various rallies like the Anti-Drug Rally and Night March further enriches the cadets' experiences.

National Level Camps:

- 4. SUO. Shailesh Rajesh Yadav attended the All India Thal Sainik Camp (AITSC) in Delhi, 2022.
- 5. JUO. Shubham Umeshkumar Yadav participated in the Advance Leadership Camp (ALC) at Chhatrapati Sambhaji Nagar.
- 6. CQMS Amol Balakrishna Udugade joined the Ek Bharat Shresth Bharat (EBSB) camp held at Varanasi (Uttar Pradesh).
- 7. SGT. Abhang Mahesh Devale also participated in the Ek Bharat Shresth Bharat (EBSB) camp held at Varanasi (Uttar Pradesh).
- 8. CDT. Atharva Sharad Pawar, CDT. Jitendra Ramprasad Rastogi, and CDT. Shubham Khandu Date participated in the Shivaji Trail Trek (STT) held at Kolhapur.
- CDT. Atharva Sharad Pawar, CDT. Jitendra Ramprasad Rastogi, and CDT. Shubham Khandu Date participated in the Shivaji Trail Trek (STT) held at Kolhapur.

State Level Camps:

- 10. SGT. Rahul Yadav, CDT. Harsh Dhiver, CDT. Akshat Dhonde, CDT. Kunal Kharat, CDT. Akash Chaturvedi, and CDT. Jitendra Rastogi participated in the Army Attachment Camp (ATC) at Pune.
- 11. CDT. Soumyaraj Shinde, CDT. Sarthak Choramali, CDT. Akash Chaturvedi, and CDT. Jitendra Rastogi participated in the Army Attachment Camp (ATC) at Colaba.
- 12. CDT. Atharv Pawar attended the Thal Sainik Camp till IGC at Ahmednagar.
- 13. Eight cadets participated in the Army Attachment Camp (ATC) at Pune, while five cadets participated in the ATC at Colaba, ehaviora to 13 cadets.

Regional Level Camps:

14. Many cadets represented the ASC THANE UNIT at the Combined Annual Training Camp held at Thane and ASC Thane College Campus.

NCC Events /Activities

Sr.no:	Event Name	Date	Chief Guest / Resource Person
15.	International Day of Clean Air for blue sky	07/09/2023	Raju Jadhav (Scientist)
16.	Cleanliness Campaign Program	10/08/2023	Dr.Prof.Vinda Manjramkar
17.	Cleanliness Campaign Program	11/08/2023	Dr.Prof.Vinda Manjramkar
18.	75 th Independence Day of India	15/08/2023	Chairman Dr. Vijay Bedekar
19.	Blood Donation Camp	06/08/2023	Dr.Prof.Vinda Manjramkar
20.	National Anthem singing program	09/08/2023	Indian Army Soldier Havaldar Bhup Singh Havaldar Dk
			Singh
21.	Har Ghar Tiranga Rally program	10/08/2023	Dr.Prof.Vinda Manjramkar
	under Amrit Mahotsav of		
	Independence		
22.	Puneet Sugar Abhiyan	12/08/2023	Lt. Col. Sudarshan Biswas
23.	Ncc Day	04/11/2023	Capt.Bipin Dhumale
24.	Sea Visit	14/11/2023	Lt. Col. Sudarshan Biswas
25.	Blood Donation	24/11/2023	Dr.Prof. Vinda Manjramkar
26.	Aids Day	01/12/2023	Dr. Kailash Pawar

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	27.	Puneet Sagar Abhiyan	05/12/2023	Lt. Col. Sudarshan Biswas
	28.	Nishchoy Seminar	10/02/2024	Aishwarya M.Singh
	29.	Blood Donation	26/12/2023	Capt. Bipin Dhumale
	30.	Swachhta Abhiyan	11/01/2024	Capt. Bipin Dhumale
	31.	No Hanking Awareness Drive	30/01/2024	Dr. Mahesh Bedekar
	32.	Republic Day	26/01/2024	Chairman Dr. Vijay Bedekar
	33.	Cleanliness Drive	11/02/2024	Capt. Bipin Dhumale
	34.	The Story of Bravery and	28/01/2024	Sub.Maj.Hon.capt.Yogendra Singh Yadav
		Sacrifice of Indian Army.		
Ī	35.	Black Day	14/02/2024	Dr.Prof. Vinda Manjramkar, Capt. Bipin Dhumale
	36. Yuva Utsav		21/02/2024	Dr.Prof. Vinda Manjramkar
	37.	Inter-Collegiate Drill Competition	09/12/2023	Ex-Cadet of A/C Unit of Thane

Significant Alumni Activity -

दि. ९ डिसेंबर रोजी, एक्स एन.सी.सी. कॅडेट व ए.एस.सी. ठाणे युनिट - बा. ना. बांदोडकर विज्ञान महाविद्यालयात भव्य परेड संचलन स्पर्धा मोठया उत्साहात पार पडली, स्पर्धेसाठी ठाणे, मुंबई, पुणे, रायगड जिल्ह्यातील शाळांमधील एन.सी.सी., व मिलिटरी स्कूलच्या विद्यार्थ्यांनी मोठया प्रमाणात सहभाग नोंदविला, स्पर्धेसाठी सकाळी ८ वाजता सर्व शाळांतील विद्यार्थी, शिक्षक तसेच पालक मोठया संख्येने उपस्तीत होते, सकाळी ९ ते 11 पर्यंत मुलांना सैन्य भरती मार्गदर्शन श्री. सुहास सिताराम पाटील (निवृत्त सहायक आयुक्त तथा लोकसत्ता वर्तमान पत्रातील नोरकरीची संधीचे स्तंभ लेखक) यांनी मुलांचे भावी वाटचालीसाठी मार्गदर्शन केले, सदर स्पर्धेची सुरुवात महाविद्यालयाच्या प्राचार्या डॉ. विंदा मांजरमकर यांच्या शुभेच्छानी झाली, स्पर्धेचे निरीक्षण करणेसाठी तसेच परीक्षनासाठी १ महाराष्ट्र बटालियन आर्मी विंगचे ३ अधिकारी उपस्तीत होते, एन ए पी फाउंडेशन पदाधिकारी, माजी विद्यार्थी, समाजसेवक व महाविद्यालयातील इतर शिक्षकांनी स्पर्धेस भेट देऊन शुभेच्छा दिल्या. स्पर्धा सायंकाळी ४ वाजता संपन्न झाली स्पर्धेत

- प्रथम पारितोषिक, चषक व रोख रक्कम ४४४४ रु. ऑफिसर करियर अकॅडमी, प्णे यांनी पटकाविले.
- द्वितीय पारितोषिक, चषक व रोख रक्कम ३३३३ दत्त मेघे सैनिक स्कूल,ऐरोली
- तृतीय पारितोषिक, चषक व रोख रक्कम २२२२ रु. सरस्वती महाविदयलाय, ठाणे
- उत्तेजनार्थ पारितोषिक, चषक अर्मीनी शाळेच्या विद्यार्थ्यांना मिळाले
- उत्कृष्ट परेड कमांडर कॅडेट. धनश्री उमेश हटकर, सरस्वती महाविदयलाय यांनी पटकाविले

Cultural Association - Forty Winner Students of Youth/Intercollegiate/ Akanksha associated with Cultural association.

Youth festival – Mumbai University					
Arou	nd 120 students participating in the youth festival organized by	Mumbai University.			
The c	college won three awards at zonal level in various competitions:	:			
1.	Shravani Kulkarni-2 nd in Indian Classical dance,				
2.	Atharva Bagade-3 rd in Indian Classical Instrumentals (Percus	sion).			
3.	Hooeda Idrishi- 3 rd in Cartooning.				
Ms. S	hravani Kulkarni also won the third prize at final round of 56th	Mumbai university Y	Youth Festival.		
	Cultural Event – B.N. Bando				
	Event	Students	Date		
_	ural function of the Cultural Association	230 Students	13th September 2024		
	Cultural Association also organized a folk-dance event	435 students	28th October 2023		
	nksha fest	300 students	22 nd December		
	petitions like mehndi, bridal make-up, story-telling, poem wr	riting, photography, s	shayri, tote-bag, treasure hunt,		
singir	ng, dancing, etc.				
	Winners of Cultural Association	on Competition			
4. N	ikita Borvde 1st Prize in Bridal Makeup Aakanksha Fest				
5. Sayee Lonkar 2 nd Prize in Bridal Makeup, Aakanksha Fest					
6. Vaishnavi Jadhav 3 rd Prize in Bridal Makeup, Aakanksha Fest					
7. Sonali 1st Prize in Mehendi, Aakanksha Fest					



- 8. Siddhi Hajare 2nd Prize in Mehendi, Aakanksha Fest
- 9. Pallavi 3rd Prize in Mehendi, Aakanksha Fest
- 10. Varada Chavan 1st Prize in Tote bag painting, Aakanksha Fest
- 11. Krutika Jadhav 2nd Prize in Tote bag painting, Aakanksha Fest
- 12. Namrata Salvi 3rd Prize in Tote bag painting, Aakanksha Fest
- 13. Omkar Munde 1st Prize in Poem Writing, Aakanksha Fest
- 14. Afiya Gawte 2nd Prize in Poem Writing, Aakanksha Fest
- 15. Komal Jadhav 2nd Prize in Poem Writing, Aakanksha Fest
- 16. Mrunal More 3rd Prize in Poem Writing, Aakanksha Fest
- 17. Tanmay Sangale 1st Prize in Shayari, Aakanksha Fest
- 18. Komal Jadhav 2nd Prize in Shayari, Aakanksha Fest
- 19. Supriya Jadhav 3rd Prize in Shayari, Aakanksha Fest
- 20. Saniya Jadhav 1st Prize in Love Letter Writing, Aakanksha Fest
- 21. Neha Patil 2nd Prize in Love Letter Writing, Aakanksha Fest
- 22. Rakshita Patil 3rd Prize in Love Letter Writing, Aakanksha Fest
- 23. Shreya Rumde 1st Prize in Photography, Aakanksha Fest
- 24. Krushna Tandale 2^{nd} Photography, Aakanksha Fest
- 25. Tanmay Sangale 3rd Prize in Photography, Aakanksha Fest
- 26. Tanvi Javkar 1st Prize in Dance (Solo), Aakanksha Fest
- 27. Shreya Yadkikar 2nd Prize in Dance (Solo) Aakanksha Fest
- 28. Swara Pawar Consolation Dance (Solo), Aakanksha Fest
- 29. Sakshi Jain Consolation Prize in Dance (Solo), Aakanksha Fest
- 30. Pradnya Pawar Consolation Prize in Dance (Solo), Aakanksha Fest
- 31. Tanvi Chaudhary and Komal Kajalkar 1st Prize in Dance (Duo), Aakanksha Fest
- 32. Shreya Salunke and Shreya Suryavanshi Consolation Prize in Dance (Duo), Aakanksha Fest
- 33. Sayali Koli and group 1st Prize in Dance (Group), Aakanksha Fest
- 34. Chetan Verma and group $2^{\mbox{\scriptsize nd}}$ Prize in Dance (Group), Aakanksha Fest
- 35. Tanishkq and group Consolation Prize in Dance (Group), Aakanksha Fest
- 36. Ira Khadilkar 1st Prize in Singing (Solo) Aakanksha Fest



- 37. Shrushti Pawar 2nd Prize in Singing (Solo), Aakanksha Fest
- 38. Soha Joshi Consolation Prize in Singing (Solo) Aakanksha Fest
- 39. Anish Patil and group 1st Prize in Singing (Group) Aakanksha Fest
- 40. Mayuresh Raut and team Winner Treasure hunt Aakanksha Fest

Department of Lifelong Learning And Extension – (DLLE) **SIX Major** Event/Program conducted for the development and overall growth of the students.

1.	Vocational Career Oriented Projects: Career	116 students have participated in these projects and maintained strong ties				
	Project, Industry Orientation Project, Anna Poorna	between the college and the surrounding community.				
	Yojana					
2.	Community Oriented Projects: Survey Research,					
	Environment Education.					
3.	Some activities were arranged at college level					
	→ blood donation camp in collaboration with Than	e Civil Hospital,				
	→ celebration of Millets Day in collaboration with	Food and Drugs Administration,				
	→ Personality Development Program in collaborati	on with Whisper Company.				
	→ Cake making workshop was conducted in collab	poration with Ushadevi Management College in their premises.				
4.	Opportunities for experiential learning, entrepreneu	rship, leadership development, and personal growth.				
	→ the Annapoorna Yojana projects students arrange	ed the food stalls on Navratri Utsav,				
	→ Avishkar Research Convention Programme,					
	→ UDAAN festival	→ UDAAN festival				
	→ and on other normal days.					
5.	Commitment to social responsibility and community	service				
	→ Creek Cleaning Drive – was conducted at Kolshet Khadi to remove trash and debris from beach and to change behaviours that					
	cause pollution and to raise awareness on the extent of the marine.					
6.	To promote the cultural and artistic expression	In which around 400 students and teachers from 21 colleges which are				
	→ A mega event conducted and hosted by DLLE of	affiliated to Mumbai University had participated.				
	the college was the UDAAN festival under the					
	University of Mumbai.					

Green Club - FIVE Project/events/program/ lecture.

Green Club							
"Youth Engagement and	Youth Engagement and Stewardship for water conservation" program in the state for the Total 105 students enrolled in the Green Club						
period of three years 2023-	-2025 by forming Green Club at Colleges	of our college.					
Mega E-waste	Green Club Faculty Coordinators Dr.	Around 208 Kg of e-	01/11/2023 to 09/11/2023				
Collection Drive	Kiran Pariya and Dr. Akanksha Shinde	waste is collected and					
	with Ms. Anjali Yadav, Mrs. Surabhi	safely disposed through					
	Thosar and Mrs. Nilam Nimbalkar	Aqsa Stamping, Andheri,					
	coordinated this activity.	and Mumbai					
An orientation lecture	Dr. Kiran Pariya	Topic Conservation of	21/12/2023				
		water					
Students completed the MY	YCA certificate course under the guidan	ce of Dr. Akanksha Shinde.	Hard copy of the certificate has been attached				
to the green club file.							
Poster Making	"Water for Peace"	02 /03/ 2024					
competition							

Gymkhana - Twenty-Four Tournaments/ Intercollegiate/ College level competition

Tournament

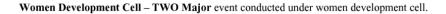
- 1. Table-Tennis,
- 2. Chess,
- 3. Carrom,
- 4. Box Cricket,
- 5. Football,
- 6. Tug of War
- 7. Athletics.

Intercollegiate Competitions

- 8. Box Cricket,
- 9. Football,
- 10. Kabaddi,
- 11. Kho-Kho,
- 12. Volley Ball,
- 13. Chess,
- 14. Air Rifle
- 15. Shooting,
- 16. Judo,
- 17. Taekwondo,
- 18. Boxing,
- 19. Weightlifting,
- 20. Swimming,
- 21. Artistic Gymnastic,
- 22. Cycling,
- 23. Water polo Fencing
- 24. Powerlifting.

Annual Sports Event

Organized by Gymkhana Committee	Table-Tennis,	Total of 438 students	6th December 2023 to 21st
	Chess,		December 2023.
	Carrom,		
	Box Cricket,		
	Football,		
	Tug of War Tournaments		
	Athletics		
Organized by Gymkhana Committee	Carrom Competition	Total count of 178	7th to 17th December, 2023
		students (85 Junior	
		college + 93 Degree	
		college).	
Organized by Gymkhana Committee	→ Table Tennis tournament	298 participants	-
	→ Chess Tournament		
Organized by Gymkhana Committee	→ Table Tennis tournament	Teaching and non-	-
	→ Chess Tournament	teaching staff	
Organized by Gymkhana Committee	→ Box Cricket Tournaments	16 teams participated.	6th December, 2023 for the
			Degree College &
			9 th December, 2023 for the
			Junior College
Organized by Gymkhana Committee	→ Football and Tug of war	12 and 24 teams had	
	Tournaments	participated	
		respectively.	
Organized by Gymkhana Committee	Annual Day		21st December 2023
Organized by Gymkhana Committee	the Gymkhana Prize Distribution	The Chief Guests for the	3 rd February, 2024.
	Ceremony	ceremony were Mr.	
		Satish V. Jadhav	
		(National Renowned	
		Cyclist) & Mr.	
		Pravinkumar Kulthe	
		(Maharashtra Renowned	
		Cyclist).	



- 1. Women Development Cell of B. N. Bandodkar college of Science (Autonomous) had arranged a lecture by a renowned lawyer on Criminal Law at Patanjali auditorium on November 09, 2023.
- 2. The Women Development Cell of B. N. Bandodkar College of Science held a workshop on "Being Superwoman" for teaching and non-teaching staff on International Women's Day.
 - Around fifty staff participated, with team leader Mrs. Mrunal Patgaonkar conducting the workshop.
 - The goal was to empower working female professionals to balance work and family life.
 - MIRAE asset management leader delivered a talk on investment and asset management.
 - The workshop was attended by I/C Principal Dr. Vinda Manjarmkar, library staffs, NSS program officers, and other teaching and non-teaching staff.
 - The program concluded with a cake cutting party organized by Dr. V.M Jamdhade, Mr. Bhalchandra Mandlekar, and Mr. Sudhir Bhosale.

Yoga Committee - Four Major Events/program/Lecture

- 1. The Yoga committee provides yoga training free of cost to the students and staff of this college (and other institutes of Vidya Prasarak Mandal) in collaboration with Shri Nikam Guruji's Shri Ambika Yog Kutir, Thane.
- 2. International Yoga Day on on 21st June 2023 in collaboration with Ambika Yog Kutir, Thane. All together 160 participants attended this session. 04 yog teachers from the kutir guided the participant during the session.
- 3. Shri. Ramachandra Surveji, Secretary of Shri Ambika Yog Kutir, Thane, and yoga teachers from Kutir have collaborated to teach a 3-month certificate course for FYJC Students of B.N. Bandodkar College from September 25th to December 12th, 2023. The course, lasting 8-10 days, involved 480 students and will award certificates to successful completion.
- 4. A Neti workshop will be conducted in April 2024 for FYJC students under the guidance Mrs. S.D. Pimpre & Dr. (Mrs.) D.D.Ladhe.

The Unfair Means Committee

The Unfair Means Committee is responsible for maintaining the integrity and fairness of university examinations. During the 2023-2024 academic year, the committee received numerous reports of academic misconduct, including unauthorized aid and collusion. The committee conducted investigations, ensuring fairness and impartiality. The findings revealed instances of unauthorized aid and collusion. The committee took appropriate actions, including issuing warnings, imposing penalties, providing guidance, and implementing stricter proctoring measures. The committee recommends strengthening educational initiatives, improving monitoring measures, and reviewing university policies to ensure clarity and effectiveness in enforcement. By implementing these recommendations, the university can uphold its commitment to excellence and integrity in education.

Departmental Programs - One Hundred and Ten Departmental activities/ programs/ lecture

	Zoology					
Sr. no	Date/Day	Collaborator/ Collaboration	Name of the Program	No of beneficiaries		
1)	13/07/2023 Thursday	NSS, NCC and IQAC	World population day	83		
2)	25/07/2023 Tuesday	Nil	NEP week celebration	56		
3)	26/07/2023 Wednesday	IQAC, Biodiversity and EVS	International Mangroves day	66		
4)	13/07/2023 Thursday	Nil	Debate on IVF & Surrogacy	31		
5)	10/07/2023 Monday	Nil	Debate on Insects impact on life	38		
6)	31/07/2023 Monday	Nil	International tiger day	45		
7)	22/07/2023 Saturday	Nil	BOS meeting	10		
8)	12/08/2023 Saturday	Nil	International Youth Day & International	48		
0)			Elephant Day			
9)	17/08/2023	Nil	Peer to peer learning session	29		
10)	26/08/2023 Saturday	Paryaavaran dakshta mandal	Memorial lecture	28		
10)		and Biodiversity				
11)	29/08/2023 Tuesday	Nil	Orientation lectures	41		
11)	31/08/2023 Thursday					
12)	05/09/2023 Tuesday	Nil	Teacher's day activity- Peer to peer learning	30		
13)	04/11/2023 Saturday	All departments	Green force nature club	47		
14)	19/10/2023 Thursday	Nil	Polytechnic students visit	33		

15)	27/07/2023 Thursday	Human science and	Research paper writing- webinar	81
	25/07/2023	Biochemistry IQAC, Biodiversity and EVS	Poster competition of Mangroves	19
16)	Tuesday	IQAC, Blodiversity and Evs	1 oster competition of Wangroves	19
17)	04/11/2023	Nil	Green force nature club	47
	09/12/23	Nil	Parents meeting of TYBSc	18
	14/12/2023	Human Science	International Monkey Day	72
20)		Nil	Penguin Awareness	46
	13/02/2024 & 04/03/2024	Nil	Peer to peer learning (2 sessions)	37
21)				29
22)	15/02/2024 & 16/02/2024	Nil	Zoomagica- Zoology fest	72
22)	17/02/2024	Human science and Clinical	Colloquium lecture- Mental health	85
23)		psychology		
24)	11/03/2024	Nil	Parents meeting of FYBSc	47
		Human Science an	d Clinical Psychology	
Sr. no	Date/ Day	Collaborator/ Collaboration	Name of the Program	No of beneficiaries
25)		Nil	NEP week celebration inaugural lecture.	40
26)	27 th July 2023	Zoology & Biochemistry	Mastering the Art of writing the research paper	81
			– A step by step guide.	
27)	17th August 2023	Nil	Unveiling the secrets of handwriting - An	55
	2 Oth	2211	introduction to graphology.	
1	29 th august,	Nil	Onam Celebration	50
	6th September 2023	Nil	Freshers Day	50
30)	15 th September 2023 26 th September 2023	Nil	Biodiversity visit – Matheran hill station.	38
31)	26" September 2023	Nil	Industrial Visit – Krishna Jal- Ameya enterprises	22
	27 th September 2023	Nil	Special School Visit – Dharmavir Anand Dighe	27
32)	27 September 2023	INII	Jidd Shalav	27
33)	6 th October 2023	Nil	Biodiversity visit – Butterfly Garden.	20
34)		Nil	Manashakti- Mind gym	14
35)		Nil	SOHAM club inauguration	50
	14 th December 2023.	Nil	International Monkey Day	64
36)	12 th December 2023		Students attended Lecture on Anthropology &	29
			Archeology organized by Institute for oriental	
			Study, Thane.	
37)	17 th January 2024	Zoology	Excursion to Arnala	22
		277		
38)	25 th January 2024	Nil	Archeological visit – Chatrapati Shivaji	14
	January to March		Maharaj Vastu Sangrahalay 4 credit certificate course on Counseling skills	07
			for Semester IV	
30)	5 th & 7 th February 2024	Nil	Meraki fest	170
33)	9 th November 2023 & 10	Nil	PTA meetings	1/0
40)	February 2024,		· · · · · · · · · · · · · · · · · · ·	
41)		Nil	Media literacy,	22
42)	12 th & 13 th February 2024	Nil	Rorschach Inkblot Test,	14
	17 th February 2024	Zoology, Information	Late Dr. V.N.Bedekar, memorial colloquium	76
43)		Technology, Computer	lecture on- " Workshop on mental	
		Science.	well-being & behavioral Science.	
44)	,	Nil	Thane Regional Hospital visit	17
45)	25 th February – 29 th	Nil	Excursion to Jaipur- Bharatpur.	41
	February 2024			
46)	4 th March 2024	Nil	Farewell for T.Y.B.Sc	50
		R	otany	
Sr. no	Date/ Day	Collaborator/ Collaboration	Name of the Program	No of beneficiaries
47)		Nil	Parent-Teacher Meeting	09
48)		Nil	Movie show titled – '12 th Fail'	68
	1	<u> </u>		

49)	15 January /2024	Nil	Makar Sankranti celebration	68	
50)	03 February 2024	Nil	Visit to Mumbai Flower Show 2024	27	
51)	14 February 2024	Nil	Visit to VPM's, BNB College campus, Thane	22	
52)	27 February 2024	Nil	Palvi Fest	104	
53)	28 February 2024	TMC	National Science day	66	
54)	02 March 2024	Nil	Visit to Rajiv Gandhi Nature Park, Pune	107	
55)	20 th March 2024	Nil	farewell function	20	
56)	13 th February – 15 th April	Nil	Certificate Course on 'Mocktails from Nature's	79	
57)	4 th November 2023	Nil	Basket' Curiosity Club Inauguration	106	
			Srishti Club Inauguration		
			of Biochemistry		
Sr. no	Date/ Day	Collaborator/ Collaboration	Name of the Program	No of beneficiaries	
58)	28 th January, 4 th , 11 th and 17 th February	Lok Raj Sangathan	A Workshop on " Understanding the Indian Railways"	21	
		Department of Biotech	nology and Microbiology		
Sr.no.	Programme	Resource person	Date		
	a Certificate Course titled	Dr. Jayashree Pawar, Ms.			
59)	'Techniques in Molecular Biology (Level-1)'	Purvi Shah and Dr. Ashwini Tilak	15 th to 21 st June 2023.		
	Dr. V. N. Bedekar	Dr. SriKripa Chandrasekaran			
60)	Colloquium lecture on		7 th July 2023		
	'Antifungal drug resistance'				
	An awareness lecture about	Ms. Prerana Mahajan,			
61)	wise use of social media	Counseling Psychologist and Forensic expert	19 th August 2023		
	departmental journal and	By students			
62)	movie club	by statems	16th and 19th August 2023		
63)	a career guidance session	Dr. Jayahsree Pawar, co- ordinator, Biotechnology.	16 th August 2023		
	Competitive Exam	Mr. Akshay Rathod, Alumnus			
64)	Guidance Session	of Biotechnology department, now pursuing M.Sc. at BHU.	7 th July 2023		
	GAT B Paper solving	Alumnus Ms. Saee Joshi, .			
65)	sessions	currently pursuing masters in	a sih u		
		Medical Biochemistry in	26 th August 2023		
	Guest lecture titled 'Career	M.S.University, Baroda. Dr. Sushant Parab.			
	opportunities in Biological	Postdoctoral research fellow,			
66)	sciences and allied fields	Department of Oncology,	30 th November 2023.		
	Career guidance session	University of Torino, Italy. Mr. Subhash Khatri, an			
	Career guidance session	alumnus of the department			
67)		and currently a PhD Scholar	11 th December 2023		
		working at Tata Institute of	11 December 2025		
		Fundamental Research			
	Session on Motivaing the	Dr. Aditya Chhatre, working			
68)	students for undertaking research in elite research	in Max Planck Institute of molecular cell biology and	29 th January 2024.		
	institutes.	genetics, Dresden, Germany	u 27 January 2024.		
		garante, Diesden, Germany			

	Preparatory session for	Dr. Kalpita Mulye, Dr.					
69)	22 nd Microolympiad	Jayashree Pawar and Ms.	8 th February 2024				
	Preparatory session	Purvi Shah.	o restainy 2021				
	Active-learning promoted	Ms. Purvi Shah					
70)	in the NEP, an activity						
/0)	involving 'poster-making		25 th August 2023				
	in cell cycle'						
71)	'Rubik Cube activity on	Ms. Purvi Shah					
71)	Genetic code'		16 th August 2023				
72)	'Model making activity for	Dr. Kalpita Mulye					
72)	Immunological receptors'		12 th and 14 th Aug 2023				
73)	Parent-teachers meeting.						
,,,,			19 th August 2023.				
	Guest lecture on career	Dr. Meghana Joshi, Program					
	opportunities and scope for	Director for Biocon-KGI					
74)	Biotech-Micro students in	certificate program in	12 th march 2024				
	the drug discovery and	Biosciences based at KGI,					
	pharmaceuticals industry.	California, USA					
		Departmen	t of Chemistry				
	Chemistry club was	Dr. Ajit Bhumkar and Dr.	-				
75)	inaugurated - "Careers in	Pralhad Wagh	24 June 2023				
	Chemistry"		24 June 2023				
76)	"Safety in the Chemical	Prof. Dr. Anita Goswami-Giri					
/6)	Laboratory"	and Dr. Sandeep Kahandal	26, June 2023				
77)	Parent-Teacher meeting	_	14.0.4.1., 2022				
	Job Fair/ Counselling	Mr. Danal- Dashmuld, IID	14 October 2023				
		Mr. Deepak Deshmukh, HR					
78)	session	Executive, Chemtek	06 February 2024				
		Scientific Pvt. Ltd. Thane	oo reducing 2024				
	Movie club activity	(Mumbai)					
79)	Movie club activity	movie was prepared on IUPAC nomenclature and fun					
13)		by F.Y.B.Sc students.	4 November 2023 and 05 November 2023				
	Activity	Chemistry before the birth of					
80)	rictivity	universe	4 & 5 March 2024.				
			mental Science (EVS) and				
	Depart	-	Conservation and Management (BWCM)				
Sr.	Date	Name of the Activity	Guest Speaker				
No.							
	25/7/2023	Poster competition on	Mr. Sushant Sunil More, Project Associate, Forest Department				
		International Day for					
		Conservation of Mangroves	Mr. Lavesh Korgutkar, Livelihood Specialist, Mangrove Foundation				
81)		(in collaboration with IQAC,					
		Mangrove foundation and					
		Forest Department of					
		Maharashtra)					
	26/7/2023	Guest Lectures on account of	Dr. Suchandra Datta, Mr. Nikit Surve, Mr. Harshad Dhage, Mr.				
		International Day for	Dharmesh Barai, Mr. Pradip Patade				
		Conservation of Mangroves					
82)		(in collaboration with IQAC,					
		Mangrove foundation and					
		Forest Department of Maharashtra)					
	17/3/2023	Lecture on Career Guidance	Dr. Kamran Abbas Mirza				
83)	11/3/2023	"Opportunities and Scope in	Asst. Prof., G.M. Momin Women's College, Bhiwandi				
(63)		NEBOSH and IOSH"	Asset 1101., G.M. Monien & Conege, Billwandi				
			by EVS and BWCM:				
	Alumni Lectures by EVS and BWCM:						

 $Interactions\ with\ meritorious\ alumni\ enabled\ our\ students\ to\ undertake\ field\ research\ as\ an\ exciting\ venture.$

84)	9/9/2023	Demonstrati		Ms. Samiksha Chavan		
			n to iNaturalist"	(2022-23 batch, BWCM)		
	16/9/2023		"In the world of	Ms. Mrunali Raut		
85)		butterflies"		(2022-23 batch, BWCM)		
		and Butterf	ly walk at VPM	1		
		campus				
86)	16/2/2023	A peek int	o the World of	Mr. Omkar Damle		
30)		Beetles		(2022-23 batch, BWCM)		
			Nature club by	EVS and BWCM:		
87)	20/2/2024	Resin Art W	orkshop	No. of student participation 65		
00)	9/3/2024	Quiz Compo	etition on "World	No. of student participation 35		
88)	to 16/03/2024	Wildlife Day	y"			
		Department	of Information To	echnology and Computer Science		
	S.Y.B.Sc.(Information	Collaboratio	n with Quick Heal	Foundation under the scheme of 'Earn and Learn	,	
	Technology & Computer					
89)	Science) and T.Y.B.Sc.					
	(Information Technology					
	& Computer Science).					
	Students and Faculties	Ouick Heal	Foundation organi	zed 'Cyber Shiksha for Cyber Suraksha Awards	2024' at Pune on 10 th	
90)	atttended	February 20	_			
90 A)	Workshop towards National	•		an 6, 2024		
90 B)	Techtalk on Data Science (1					
702)	Teentani on Bata serence (1 0140 40111	•	of Mathematics		
	'Inspirational talk by	Department	of Mathematics	Ms. Riddhi Kumavat (Mathematics Department	August 28, 2023	
	Alumni'	-	ment of Physics	Alumni), Mr. Yuvraj Wankhede (Physics	August 26, 2025	
91)	Atunini	jointly organized		Department Alumni), Mr. Pratik Ovhal (Physics		
		jointly organized				
	Poster making competition Theme of the competition v			Departement) Mrs. Anushree Tambe from K. J. Somaiya	20 December 2023	
	Poster making competition		-		20 December 2023	
	was organized by Mathematics club	Indian Mathematicians		college of Engineering was invited as a Judge		
92)				for the competition.		
	"Siddhanata" on the					
	occasion of National					
	Mathematics Day	10 00			D 1 20	
02	Guidance Session on 'What	After B.Sc.	Mrs. Anushree	Tambe, Assistant professor,	December 20,	
93)	Mathematics?'		_	Mathematics from K. J. Somaiya	2023	
			college of Engine			
0.0	0 10	3.5.1		lete Fest		
94)	3		s club "Siddhant"	February 13, 2024		
	and experiments, Rangoli	TYBSc mati	nematics students			
	competition, skit etc					
0.5				ent of Physics		
95)	Inspirational talk	-	Dethe, an alumna	August 2 nd , 2023		
- 00			Ph.D in the USA.	and acce		
96)	Introduced students to the	Dr. Sangita	Meshram	August 2 nd , 2023		
	NEP-2020 policy			The state of the s		
97)	physical and magnetic		Iali and Mr. J. D.	December 9 th , 2023		
	properties of rocks and	Jadhav				
	meteoroids.					
98)	,		partment, in	December 14 th to 16 th , 2023,		
	Teacher Training	collaboration				
	Workshop.	-	Association for			
		Teacher Edu	cation [BASE]			
99)	D) LASER and Intellectual Mr. Parth Panchal January 3 rd , 2024					
	Property Rights					
		Pho	ton Club under th	ne department of Physics		
100	Chandrayaan-3 and Aditya	students we	re treated to live	August 19th, 2023		
	L-1	lectures on s	pace missions			

showcased student talents and deepened their understanding of physics concepts through various competitions and events. 102 Adani Dahanu thermal power station Student gained practical insights into the application of physics principles in real-world settings and the workings of the power station. Sr.no. Event/Program No of beneficiaries Sr.no. Event/Program No of beneficiaries Sr.no. Of Date 103 National Statistics Day Collaboration with S.K. Somaiya & NSSO 104 Understanding of High Dimensional Data and Dealing with unusual Statistical Models 105 T.Y.B.Sc. Parents Teacher Meeting 106 Teachers day celebration 107 S.Y.B.Sc. Parents Teacher Meeting 108 Research Project 70 04/11/2023				
of physics concepts through various competitions and events. 102 Adani Dahanu thermal power station Student gained practical insights into the application of physics principles in real-world settings and the workings of the power station. Department of Statistics Sr.no. Event/Program No of beneficiaries Date 103 National Statistics Day Collaboration with S.K. Somaiya & NSSO 104 Understanding of High Dimensional Data and Dealing with unusual Statistical Models 105 T.Y.B.Sc. Parents Teacher Meeting 106 Teachers day celebration 55 05/09/2023 107 S.Y.B.Sc. Parents Teacher Meeting 108 Research Project	101	Paradoxia Physics Fest		February 26 th , 2024
various competitions and events. 102 Adani Dahanu thermal power station Student gained practical insights into the application of physics principles in real-world settings and the workings of the power station. Department of Statistics Sr.no. Event/Program No of beneficiaries Date 103 National Statistics Day Collaboration with S.K. Somaiya & NSSO 104 Understanding of High Dimensional Data and Dealing with unusual Statistical Models 105 T.Y.B.Sc. Parents Teacher Meeting 106 Teachers day celebration 107 S.Y.B.Sc. Parents Teacher Meeting 108 Research Project Victoria (Student gained practical insights into the application of physics principles in real-world settings and the workings of the power station. Separate Project February 29th, 2024 Insight Statistics Date 105 (2006/2023) 107 S.Y.B.Sc. Parents Teacher Meeting 108 Research Project				
events. 102 Adani Dahanu thermal power station Student gained practical insights into the application of physics principles in realworld settings and the workings of the power station. Department of Statistics Sr.no. Event/Program No of beneficiaries Date 103 National Statistics Day Collaboration with S.K. Somaiya & NSSO 104 Understanding of High Dimensional Data and Dealing with unusual Statistical Models 105 T.Y.B.Sc. Parents Teacher Meeting 106 Teachers day celebration 107 S.Y.B.Sc. Parents Teacher Meeting 108 Research Project Student gained practical insights floothed practical insights into the application of physics principles in realworld settings and the workings of the power station. Separate No of beneficiaries Date 104 26/06/2023 02/09/2023 02/09/2023 05/08/2023				
102 Adani Dahanu thermal power station Student gained practical insights into the application of physics principles in real-world settings and the workings of the power station. Department of Statistics Sr.no. Event/Program No of beneficiaries Date 103 National Statistics Day Collaboration with S.K. Somaiya & NSSO 104 Understanding of High Dimensional Data and Statistical Models 105 T.Y.B.Sc. Parents Teacher Meeting 106 Teachers day celebration 107 S.Y.B.Sc. Parents Teacher Meeting 108 Research Project			various competitions and	
power station insights into the application of physics principles in real-world settings and the workings of the power station. Department of Statistics			events.	
physics principles in real-world settings and the workings of the power station. Department of Statistics	102	Adani Dahanu thermal	Student gained practical	February 29th, 2024
world settings and the workings of the power station. Department of Statistics		power station	insights into the application of	
Department of Statistics			physics principles in real-	
Department of Statistics			world settings and the	
Sr.no. Event/Program No of beneficiaries Date			workings of the power station.	
Sr.no. Event/Program No of beneficiaries Date				
103 National Statistics Day Collaboration with S.K. Somaiya & NSSO 14 26/06/2023 104 Understanding of High Dimensional Data and and Statistical Models 77 02/09/2023 105 T.Y.B.Sc. Parents Teacher Meeting 12 05/08/2023 106 Teachers day celebration 55 05/09/2023 107 S.Y.B.Sc. Parents Teacher Meeting 10 05/08/2023 108 Research Project			Departmen	nt of Statistics
Collaboration with S.K. Somaiya & NSSO	Sr.no.	Event/Program	No of beneficiaries	Date
Somaiya & NSSO	103			
104 Understanding of High Dimensional Data and and Statistical Models 77 02/09/2023 105 T.Y.B.Sc. Parents Teacher Meeting 12 05/08/2023 106 Teachers day celebration 55 05/09/2023 107 S.Y.B.Sc. Parents Teacher Meeting 10 05/08/2023 108 Research Project		Collaboration with S.K.	14	26/06/2023
104 Understanding of High Dimensional Data and and Statistical Models 77 02/09/2023 105 T.Y.B.Sc. Parents Teacher Meeting 12 05/08/2023 106 Teachers day celebration 55 05/09/2023 107 S.Y.B.Sc. Parents Teacher Meeting 10 05/08/2023 108 Research Project		Somaiya & NSSO		
Dimensional Data	104	Understanding of High		
Dealing with unusual Statistical Models 105 T.Y.B.Sc. Parents Teacher Meeting 12 05/08/2023 106 Teachers day celebration 55 05/09/2023 107 S.Y.B.Sc. Parents Teacher Meeting 10 05/08/2023 108 Research Project 10 05/08/2023 10 05		Dimensional Data		
Statistical Models		and	77	02/09/2023
Statistical Models		Dealing with unusual		
Meeting 12 05/08/2023 106 Teachers day celebration 55 05/09/2023 107 S.Y.B.Sc. Parents Teacher Meeting 10 05/08/2023 108 Research Project				
Meeting	105	T.Y.B.Sc. Parents Teacher		
106 Teachers day celebration 55 05/09/2023 107 S.Y.B.Sc. Parents Teacher Meeting 10 05/08/2023 108 Research Project		Meeting	12	05/08/2023
107 S.Y.B.Sc. Parents Teacher Meeting 10 05/08/2023 108 Research Project	106		55	05/09/2023
Meeting 108 Research Project			10	0.7.100.12000
108 Research Project		Meeting	10	U5/U8/2U23
	108	Research Project	70	04/11/2022
Presentation /0 04/11/2023		Presentation	/0	04/11/2023
109 Statistics Department	109	Statistics Department		
Annual Fest 2023-24 143 students on day 1 15/02/2024 & 16/02/2022		Annual Fest 2023-24	143 students on day 1	15/02/2024 & 16/02/2022
(Intercollegiate Stats fest – 129 students on day 2		(Intercollegiate Stats fest –	129 students on day 2	13/02/2024 & 10/02/2022
INFERENTIA)		INFERENTIA)		
110 Prize Distribution 129 16th February, 2024	110	Prize Distribution		
Ceremony 129 16 th February, 2024	110	1 112c Distribution	120	

$\textbf{Individual Teacher Activity} - \textbf{Sixteen} \ \ \text{teachers participated/attended the activity/program}.$

Sr.No.	Department	Name of the	Activity	
		faculty	·	
1.	Zoology	I/C Prin. Dr.	→ NEP week celebration	
		Prof.Vinda	→ IKS by Prof. Mahadevan	
		Manjramkar	By University of Mumbai (Kalina)	
2.	Chemistry	Dr. Anita	→ Delivered a talk on Research Methodology on 12/10/2024 in a workshop held at	
		Goswami-Giri:	Vande Mataram College Dombiwali.	
			→ Attended train-the-trainer FDP programs of RUSA.	
			→ Being a Nodal officer attended several NEP-related Workshops.	
			→ Prepared Credit framework for Bandodkar College of Science (Autonomous) for	
			UG and PG.	
			→ Also acted as Avishkar host Coordinator and organized the University zonal 18 th	
			Avishkar Intercollegiate Research Convention on December 5, 2023.	
			→ BOS member biophysics, Governing body member, and subject expert for CAS	
			interview panel of University Mumbai	
3.	Chemistry	Dr. Ajit Bhumkar	Acts as a Mentor co-ordinator	
4.	Chemistry	Dr. Pralhad Wagh	Acts as a Cultural Coordinator.	

5.	Chamister	De Condoa	A reasonized as a Passarah Guida from the University of Membei
5.	Chemistry	Dr. Sandeep Kahandal	 → recognized as a Research Guide from the University of Mumbai → Completed Refresher course in Chemistry, conducted by Teaching Learning Centre Ramanujan College, University of Delhi. → Participated in NEP 2020 orientation and sensitization program conducted by MM- TTP, UGC, Sri GuruTegh B Khalsa College, University of Delhi, 9th -18 th Jan 2024.
6.	Chemistry	Dr. Rohini Mandhare	→ Completed an online two-week Refresher Course in Chemistry with an A grade from 15-29 December 2023 organized by Teaching Learning Centre Ramanujan College, University of Delhi.
			→ Completed a Six-day online Faculty Development Programme titled 'Recent Advancement in Smart Materials for Sustainable Energy Applications' organized by the Centre for Nanoscience and Nanotechnology International Research Centre from 20 th November to 25 th November 2023.
7.	BWCM	Mr. Aditya Mhatre	→ Completed one-week FDP on "Techniques in Molecular Biology" conducted jointly by Somaiya Vidyavihar University, PMMMNMTT, GAD-TLC and GeNeI, at Department of Life Science, S. K. Somaiya College, Mumbai.
8.	EVS	Ms. Asba Ansari	→ Completed online Two – Week Inter-disciplinary Refresher Course in "ENVIRONMENTAL SCIENCE" from 29 th August – 12 th September, 2023 with Grade A+ organized by Teaching Learning Centre Ramanujan College, University of Delhi (Accredited Grade 'A++' by NAAC) In Collaboration with Raghunath Girls' Post Graduate College, Meerut (Affiliated to Chaudhary Charan Singh University, Uttar Pradesh) under the aegis of Ministry of Education, PMMMNMTT
9.	BWCM	Ms. Simeen Rumani	 → Cleared MAH-B.Ed CET Exam in 2023, University of Mumbai → Completed one week Faculty Development Teaching Training Program at Nehru Science Centre, Mumbai from 19th June 2023 to 24th June, 2024. → Completed course on Genomics and Proteomics at IIT Bombay. → Attended two days workshops on "SEED" at Sophia College, Mumbai
10.		Mrs. Surabhi Walavalkar Thosar	 → Completed Short Term Training Program on Indian Knowledge System at Nagpur, Maharashtra from 31st July 2023 to 5th August 2023 with grade A+ organized by University Grant Commission – Human Resource Development Centre, Rashtrasant Tukdoji Maharaj Nagpur University in Collaboration with Indian Knowledge System Division, Ministry of Education and Government of India. → Completed a five Day online QGIS training course – QGIS Essentials by Research crat from 5th February to 9th February 2024
11.	Botany	Dr. Urmila C. Kumavat	→ 'Transforming higher education Institution into new world of quality education via National Nation Education Policy at Satish Pradhan College
12.	Human Science	Ms. Supriya Damle	→ FDP, Ethics and values in higher education in Dr. BMN College of Home Science on 24 th to 26 th August 2023.
13.	Human Science	Ms. Alphy Hari	→ One day workshop on Relationship management skills in VPM's K.G. Joshi College of Arts and Commerce, Thane on 2 nd September 2023.
14.	Clinical Psychology	Mrs. Jui Pimple	 → One day workshop on Relationship management skills in VPM's K.G. Joshi College of Arts and Commerce, Thane on 2nd September 2023. → Suicide Prevention- empowering students and professional by Maharashtra institute of mental health on 9th September 2023. → Invited as speaker for Suicide Prevention talk organized by NSS-B.N.Bandodkar college
15.	Physics	Mr. Vaibhav Wagh	→ 3 day program by MSFDA and IUCA
16.	Physics	Mr. Sanket Phad	→ 3 day program by MSFDA and IUCA



Alumni - Five Lecture/Program/activity conducted by Alumnus.

Anubandh Alumni Association plays a vital role in the overall growth and progress of college. Alumni with expertise in various fields are invited to give guest lectures, workshops, seminars and career guidance and hence enrich the academic experience of current students.

Event/Program Name	Collaboration with	Resource person	Date
Guidance session on	Department of Chemistry	Ms. Pooja Chavla, Managing Director, Apios Life Sciences Pvt.	26/08/2023
"Career in Pharma Sales		Ltd.	
and Marketing"			
Career Guidance		Mrs Anushri Tambe, our esteemed alumnus and currently	20/12/2023
Session on 'What after		working as Asst Professor, Department of Mathematics, K.J.	
B.Sc. Mathematics?"		Somaiya College of Engineering	
Session on "Career	Department of Statistics	Mr. Vedprakash Singh, working as Statistical Investigator, Grade	27/01/2024
Opportunities in		-2 officer, DCO, Maharashtra under Ministry of Home affairs.	
Government Sectors"			
Digital Transformation	-	Mr. Sandeep Phanasgaonkar, Founder and Chief Consultant of	22/02/2024
and Fintech		"agileitvantages", a CIO Advisory and Digital Transformation	
		Firm.	
Inspirational talk by	Department of	Ms. Riddhi Kumavat (Mathematics Department Alumni), Mr.	August 28, 2023
Alumni	Mathematics and Physics.	Yuvraj Wankhede (Physics Department Alumni), Mr. Pratik	
		Ovhal (Physics Department) was invited as an outstanding alumni	
		of Mathematics and Physics department.	

Bridge course - Three Department conducted Bridge course to assist the students for better understanding of the respective field/subject.

- → **Department of Biotechnology and Microbiology**, conducted a Mathematics bridge course during February-March 2024 for those students who had not taken the subject of mathematics in their junior college. The aim of the course was to help these students understand mathematical concepts essential for smooth learning of mathematical and statistical applications in biotechnology.
- → Department of Botany, organized bridge course sessions to provide undergraduate students with laboratory experience, covering topics such as parts of a compound microscope, sectioning, and staining techniques.
- → **Department of Statistics** has conducted Bridge lecture for S.Y.B.Sc and T.Y.B.Sc students on Descriptive Statistics and Statistical methods concepts, so that they can easily cope-up with the regular studies and current syllabus.

Workshop

- 5-day workshop conducted on the "Systematic Enquiry of Research" conducted from 2 August to 7 August 2023 where literature review, resources of research, project writing, poster and PPT preparation, and presentation writing bibliography topics are covered.
- Workshop towards National Conference FUTECH2024 was organized by Deptartment of IT-CS on Saturday, January 06, 2024

Placement Cell Activities

- VPM B.N. Bandodkar College students of T.Y.B.Sc and M.Sc visited the "Namo Maha Rojgar Melava for Youth" on 6 and 7 march 2024. This event, held at Namo Modella Mill Compound, Wagle Estate, Check Naka, Thane West, serves as a unique platform aiming to gather an estimated footfall of 50,000 enthusiastic young individuals over two days. Its goal is to bridge the gap between employers and job seekers while providing a platform for local innovators to showcase their creations. One student from IT department also got placed as junior Dot Net developer at "Watch your Health"
- One Job Fair was arranged in collaboration with Chemtek Scientific pvt. Ltd. for chemistry student around 150 has attended
- One student from IT Department completed internship as a developer from Corbin Technology Solutions
- One student from statistics department has completed 6 month internship as a Data Analyst from Nielson IQ
- Six MSc Data Science students got shortlisted for Data Analyst position at IIQVIA, final interview round will be scheduled soon.

Internships by Students – Thirty-Seven students completed their internships in various organizations.

Sr.no.	Name	Department	Internship place	Internship dates
1.	Manasi Raghuram	Clinical Psychology	Shaping Therapies, Thane	29th January 2024-29th March 2024
7.	Anju Kashyap	Clinical Psychology	KEM Hospital, Parel	29th January 2024-29th March 2024
8.	Shraddha Yadav	Clinical Psychology	Shivaji Hospital, Kalwa	29th January 2024-29th March 2024
9.	Ankush Avhad	Clinical Psychology	Shivaji Hospital, Kalwa	29th January 2024-29th March 2024
10.	Fatima Syed	Clinical Psychology	Shivaji Hospital, Kalwa	29th January 2024-29th March 2024
11.	Urja Bhatia	Clinical Psychology	Shivaji Hospital, Kalwa	29th January 2024-29th March 2024
12.	Priyanka Thakur Vira	Clinical Psychology	Shivaji Hospital, Kalwa	29th January 2024-29th March 2024
13.	Siddhant Pradhan	Clinical Psychology	a. Mahavir Jain Hospital, Thane	2nd January-31stJanuary 2024
			b. Shivaji Hospital, Kalwa	1st February- 29th February 2024
14.	Fatima Chowdhry	Clinical Psychology	a. Mahavir Jain Hospital, Thane	2nd January-31stJanuary 2024



			b. Shivaji Hospital, Kalwa	1st February- 29th February 2024
1.5	A 't Cl l	Clinia I Paratal		_
15.	Amita Chauhan	Clinical Psychology	a. Mahavir Jain Hospital, Thane	2nd January-31stJanuary 2024
	G 1 1 1 7 7 11	CU: I D I I	b. Shivaji Hospital, Kalwa	1st February 2024
16.	Sakshi Kuril	Clinical Psychology	a. Mahavir Jain Hospital, Thane	2nd January-31stJanuary 2024
			b. Shivaji Hospital, Kalwa	1st February- 29th February 2024
17.	Samrudhi Koli	Clinical Psychology	a. Mahavir Jain Hospital, Thane	2nd January-31stJanuary 2024
			b. Shivaji Hospital, Kalwa	1st February- 29th February 2024
18.	Ayman Ansari	Clinical Psychology	a. Mahavir Jain Hospital, Thane	2nd January-31stJanuary 2024
			b. Shivaji Hospital, Kalwa	1st February- 29th February 2024
19.	Devangi Kale	Clinical Psychology	a. Mahavir Jain Hospital, Thane	2nd January-31stJanuary 2024
			b. Shivaji Hospital, Kalwa	1st February- 29th February 2024
20.	Sakshi M. Mishra	Biochemistry	Airoli Sector4 - Surya Diagnostic centre.	1 st November 2023
21.	Aastha S. Yadav	Biochemistry	Manpada (Thane)	3 rd November 2023
			APX Laboratory	
22.	Amruta Bapu	Biochemistry	Rabodi (Thane)- Unique	01 November 2023
	Sawant		clinical laboratory	
23.	Avinash K.	Biochemistry	Thane-H S Pathology	07 November 2023
	Rupanvar			
24.	Prachi S.	Biochemistry	Thane West- Dr. Vaidya Lab	04 November 2023
	Vishwakarma			
25.	Aditya S. Jadhav	Biochemistry	Mulund -Devidayal Road-Raj Hospital.	15- November 2023
26.	Melvin I. Nadar	Biochemistry	Rabodi (Thane)-Unique	01 November 2023
			clinical laboratory	
27.	Rushikesh A.	Biochemistry	Manpada (Thane)	03 November 2023
	Housalmal		APX Laboratory	
28.	Ankita S. Sharma	Biochemistry	Rabodi (West)- Unique	01 November 2023
			clinical laboratory	
29.	Aashna K. Shaikh	Biochemistry	Uthalsar (Thane)-	08 November 2023
			Neon Diagnostic Centre	
30.	Mansi Salvi	Human Science	Unplug organisation	26th September 2023 to January 2024
31.	Samriddhi Jadhav	Human Science	Unplug organisation	26th September 2023 to 31st December
				2023
32.	Chetna Sharma	Biochemistry	Jupiter hospital	27 Oct 2022 – 7 Nov 2022
33.	Shravani Chipade	Biochemistry	CRITICARE HOSPITAL	15 th may – 31 st may
34.	Bhumika Korpe	Biochemistry	Jupiter hospital	27th oct2022-7 Nov 2022
35.	Saneelah Vasaikar	Biochemistry	Jupiter hospital	27th October 2022- 7th Nov 2022
		_	-	November 2022
36.	Komal Kamble	Biochemistry	Jupiter hospital	27th October 2022- 7 November 2022
37.	Gayatri Pramod Sau	Biochemistry	CRITICARE HOSPITAL,AIROLI	15 th May 2023-30 th May 2023
	1 -	-		· · · · · · · · · · · · · · · · · · ·

37. | Gayatri Pramod Sau | Biochemistry | CRITICARE HOSPITAL,AIROLI | 15th May 2023-30th May 2023

Research Projects by students – Fifteen students of M.Sc. Programme completed their research projects/ internships in various organizations and on various topics of study as follows:

Sr.no.	Name	Department	Project title	
1.	Siddhant Pradhan	Clinical Psychology	Relationship between Self Concept, Resilience and Optimism among	
		(M.Sc. Part II) College Students		
2.	Fatima Chowdhry	Clinical Psychology	Effect of yoga on stress and anxiety among adults.	
		(M.Sc. Part II)		
3.	Amita Chauhan	Clinical Psychology	Assessment of positive affect and negative affect among adults	
		(M.Sc. Part II)	learning music and non-learning music	
4.	Sakshi Kuril	Clinical Psychology A Comparative Study of Exam Anxiety among studen		
		(M.Sc. Part II)	M.Sc. Part II) Engineering and BSc IT	
5.	Samrudhi Koli	Clinical Psychology Correlation of family environment and study habit among ju		
		(M.Sc. Part II)	college students	
6.	Ayman Ansari	Clinical Psychology	Comparative study of self-esteem and life satisfaction among working	
		(M.Sc. Part II)	& non-working women.	
7.	Devangi Kale	Clinical Psychology A Comparative Study of Emotional Intelligence and Meaning in		
		(M.Sc. Part II)	(M.Sc. Part II) Among Social Workers And Non Social Workers.	
8.	Tiwari Pratham	M.Sc. I BWCM		

9.	Bane Nimisha	M.Sc. I BWCM	Bio indicator: Nature's Silent Reporter of Environmental Pollution
			and Ecosystem Health
10.	Chavan Shambhavi	M.Sc. I BWCM	Dragon Fruit Delight: The Power of β-Amylase
11.	Dhadve Chaitanya	M.Sc. II EVS	
12.	Tiwari Sneha Kripashankar	M.Sc. II EVS	Heavy Metal Detox: Harnessing the power of fruit peel waste for a
13.	Kumavat Pooja Babulal	M.Sc. I EVS	sustainable future
14.	Shaikh Namra Saad	M.Sc. I EVS	Agro-Waste Phytoremediation: Nature's Solution to Heavy Metal
15.	Pandey Nandini Ravishankar	M.Sc. I EVS	

Certificate courses offered by the college – Thirty-Five Course

No	New Course	Department	Hours	Credits
1	Postgraduate Diploma Course in Clinical Studies, Data Management and Medical Writing	College	1 Year	24
2	IPR for Beginners	Chemistry	30	2
3	Forensic Science	Biochemistry	30	2
4	Introduction to Ornithology	Human Science	30	2
5	Fish dishes	Zoology	30	2
6	Calligraphy	Microbiology	30	2
7	Artificial Neural Networks	IT and CS	30	2
8	Banking Insurance and Cyber Frauds	Alumni/ Inter Disciplinary	30	2
9	Basic English Learning	Interdisciplinary	30	2
10	Basics of C++	Physics	45	3
11	Big Data Analysis	IT and CS	30	2
12	Next Generation Databases	IT and CS	30	2
13	Artificial Intelligence	IT and CS	30	2
14	Virtualization	IT and CS	30	2
15	Machine Learning	IT and CS	30	2
16	Economics for Beginners: The Basics	Inter Disciplinary	32	2
17	The Beginners Introduction to Principles of Marketing	Inter Disciplinary	60	4
18	Certificate Course in Creative Writing	Inter Disciplinary	30	2
19	Mocktails from Nature's Basket	Botany	30	2
20	Basic Course in Law for students of Faculty of Science	College	30	2
21	The Central Public Administrative System	FC	30	2
22	SPSS Basic Level I	Statistics	30	2
23	Techniques in Molecular Biology (Level-I)	Biotechnology & Microbiology	45	3
24	Techniques in Molecular Biology (Level -II)	23	45	3
25	Certificate Course in Computer Skills	IT and CS	60	4
26	Introduction to Astronomy and Astrophysics	Physics	45	3
27	Food Adulteration and Quality Management	Biochemistry	38	3
28	Research Scholar Programme	Botany	160	8
29	Solid Waste Management	Ev.S.	30	2
30	Fruit Preserves and Beverages: A Skill Development Course	Botany	60	4
31	Basics of R Software	Statistics	45	3

32	Python Level I	IT and CS	45	3
33	Instrumentation & Preparation of Standard Solutions	Chemistry	45	3
34	Basic Excel	Botany	30	2
35	Management for Beginners	College, ID	45	3

National Seminar

Name	Organized by	Collaboration/ Association	Date/Day	Venue	Sponsored by
'Legal Protection	IQAC of	IQAC through the Department of	24th	VPM's Thorale	Maharashtra Pollution
and Improvement of	Thane	Environmental Science and Department	February	Bajirao Peshwa	Control Board.
the Environment:	Municipal	of Biodiversity Wildlife Conservation	2024	Sabhagruha,	
Challenges and the	Council Law	and Management of B. N. Bandodkar	Saturday	Thane.	
Way Forward' College		College of Science (Autonomous) and			
		VPM's Polytechnic			

New Trends established - Seventeen New trends were the stepping-stone of the academic year

- 1. Avishkar Research Convention has been hosted by B. N. Bandodkar College of Science (Autonomous) with the same aim and objectives on 5th Dec 2023, Zone IV: Thane West (Code 4-21).
- 2. B. N. Bandodkar College of Science (Autonomous), DLLE hosted UDAAN festival under the University of Mumbai.
- 3. DLLE has provided the students the opportunities for experiential learning, entrepreneurship, leadership development, and personal growth. For the purpose under the Annapurna Yojana projects students arranged the food stalls on Navratri Utsav, Avishkar Research Convention Programme. UDAAN festival and on other normal days.
- 4. The chemistry department conducting a **Certificate course** on a second certificate course is introduced for advanced learners on Intellectual property rights: for beginners started in Feb 2024.
- 5. Department of Chemistry, initiated Entrepreneur skill development intuition taken by URJA CLUB. In this activity, T.Y. B.Sc. Chemistry students prepare Idali-sambhar, MOMOs, Zunka Bhakri, steam Corn, Tea etc. sold by students.
- 6. Dr. Kusum Gokhale Memorial Lecture was conducted On 26/8/2023, the guest speaker was Dr. Minakshi Gurav Assistant Professor. D.G. Ruparel College, Mahim, Mumbai.
- 7. Science Square Committee Celebrated the National Science Day 2024: "Harmony in Science: Blending Tradition and Innovation" on 27-28 February, 2024 Sponsored by GOVERNMENT OF INDIA, MINISTRY OF EARTH SCIENCES
- 8. Department of Environmental Science (EVS) and Department of Biodiversity Wildlife Conservation and Management (BWCM) organized an E-waste collection drive in collaboration with Green Club of BNB & Aqsa Stamping, Mumbai on 1/11/2023 to 8/11/2023.
- 9. Department of Environmental Science (EVS) and Department of Biodiversity Wildlife Conservation and Management (BWCM) organized Late Dr. V. N. Bedekar Memorial Colloquium lecture on "Mangroves Distribution, Adaptation, Biodiversity and Importance", the guest speaker was Mr. Hemant V. Karkhanis, Associate Manager Mangrove Dept. Godrej & Boyce Mfg. Co. Ltd.
- 10. Department of Information Technology and Computer Science, 34 Students were selected as Cyber Warriors for 'Cyber Shiksha for Cyber Suraksha' Project. These cyber warriors took sessions of Cyber Security in various Schools and Colleges. Total amount Rs. 2,59,800 /-earned by students who participated in this project.
- 11. First Colloquium lecture on "Understanding of High Dimensional Data and Dealing with unusual Statistical Models" on 02/09/2023, by Mr. Raj Khandagale, Alumina, M.Sc. from IIT Bombay has given thoughtful insights about the understanding of high dimensional data and dealing with unusual statistical models and brilliant career guidance in this respective domain and talked about the challenges and given glimpse of his journey in his domain.
- 12. Colloquium lecture on "Industrial Application of Statistical Process Control" conducted on 06/01/2024 by Dr.Shilpa N Khare, Assistant Professor, Maharshi Dayanand college of Arts Science and Commerce, Parel has given thoughtful insights about the Industrial Application of Statistical Process Control and also given career guidance in respective domain and talked scope in the industries

- 13. NSS CAMP was successfully held from 27th January 2024 to 2nd February 2024 at Shantivan Ashram, Panvel under the guidance of Ms. Sayali Daptardar, Mrs. Umalaxmi Patne, and Ms. Priyanka Chavan.
- 14. "Youth Engagement and Stewardship for water conservation" program in the state for the period of three years 2023-2025 by forming Green Club at Colleges.
- 15. Sankhya Club and Anubandh Alumni Association "Career Opportunities in Government Sectors" conducted on 27/01/2024 by Mr. Vedprakash Singh, Statistical Investigator, Grade -2 officer DCO, Maharashtra under Ministry of Home affairs has given thoughtful insights about the Career Opportunities in Government Sectors and talked scope in the industries.
- 16. DLLE organized a Personality Development Program in collaboration with Whisper Company.
- 17. In DLLE, Cake making workshop was conducted in collaboration with Ushadevi Management College in their premises.

Program Under Autonomy

- ➤ Under the NEP's autonomy, SY BSc and MSC Part II syllabi are undergoing a dynamic transformation, including interdisciplinary approaches and emphasising practical skill development in accordance with the changing needs of employment and society.
- ➤ In this process, all the department of VPM's B.N. Bandodkar College of Science are promoting innovation in curriculum design, incorporating emerging fields, and adopting modern pedagogical approaches, thereby empowering students to become versatile and adaptable professionals capable of addressing challenging issues in their particular domains.

Excursion - Thirty three places were visited as part of academics to enhance the practical knowledge of the respective field.

Name of the Department	Visit	Date
B.Sc. Chemistry and M.Sc. Chemistry	Kerala Students visited the Department of Applied Chemistry, Cochin University of Science and Technology, Cochin, Tea Factory, Munnar, and Spice Garden, Munnar. A total of 36 students and 4 teachers participated in the industrial visit.	10 to 16/02/2024
Chemistry	Homi Bhabha Centre for Science Education, Tata Institute of Fundamental Research, Mumbai	23 /01/2024
Chemistry	Indian Rubber Manufacture Research Association (IRMRA) Thane	29/02/2024
Biotechnology and Microbiology	Industrial Visit (industries in Pune - Satara belt, including KF Bioplants at Manjri, Nutrigien Agro products, Madhusagar at Mahabaleshwar and Satara) mega food park.	8 to 10/01/2024
Biotechnology and Microbiology	visited the common effluent treatment plant (CETP) facility at Koparkhairane, Navi Mumbai	13/02/2024.
Botany	Sanjay Gandhi National Park - Borivali	15/07/2023
Botany	Agriculture Produce Market Committee Market - Vashi	31/08/2023
Botany	Botanical Garden (Jijamata Udyan, Mumbai)	03/02/2024
Botany	Yashwantrao Chavan Maharashtra Open University	02/11/2023
Botany	Study Tour to VPM's Campus - Thane	05/10/2023
Botany	Rajiv Gandhi Wild Research Centre, Katraj - Pune	02/03/2024
TY. B.Sc. (Biochemistry and Microbiology) M.Sc. EVS and BWCM	One-day visit to Sanjay Gandhi National Park, Borivali	30/9/2023
M.Sc. EVS and BWCM	Visit to Blatter herbarium at St. Xaviers College, Mumbai	13/10/2023
M.Sc. EVS and BWCM	One day visit to Devrai, Titwala. (under MoU)	16/10/2024
M.Sc. BWCM	Excursion to Phansad Wildlife Sanctuary, Murud, Raigad	7/1/2024 to 10/1/2024
M.Sc. EVS	Excursion to Jaipur, Bharatpur Bird Sanctuary, Rajasthan	26/2/2024 to 28/2/2024
M.Sc. EVS and BWCM	Mangrove walk at Godrej Mangroves, Vikhroli, Mumbai	12/3/2024

TY. B.Sc. (Biochemistry	One day visit to Nisargayan, Mamnoli, Kalyan- Murbad. (under MoU)	13/3/2024
and Microbiology) M.Sc.	a constant and sugar, and any angle of the constant and any and any and any any and any any and any any any any	
EVS and BWCM		
Students of TY BSc	Trekking in Matheran	20/01/2024
Statistics and FYJC		
actively participated in this		
trek.		
Zoology	Sanjay Gandhi National Park	-
Zoology	Archeological visit - Chatrapati Shivaji Maharaj Vastu Sangrahalay	25 th January 2024
Zoology	Tungareshwar wildlife sanctuary	-
Zoology	Arnala	17 th January 2024
Zoology	Jaipur – Rantampur	25 th February – 29 th
		February 2024
Human Science	Biodiversity visit – Matheran hill station.	15t h September
		2023
Human Science	Industrial Visit – Krishna Jal- Ameya	26 th September
	enterprises	2023
Human Science	Special School Visit – Dharmavir Anand Dighe Jidd Shalav	27 th
		September 2023
Human Science	Biodiversity visit – Butterfly Garden.	6 th October 2023
Clinical Psychology	Manashakti- Mind gym	30 th October 2023
Human Science	Excursion to Arnala	17 th January 2024
Human Science	Archeological visit - Chatrapati Shivaji Maharaj Vastu Sangrahalay	25 th January 2024
Human Science	Thane Regional Hospital visit	22 nd February
		2024.
Human Science	Excursion to Jaipur- Bharatpur.	25 th February – 29
		th February 2024

Convocation

- ➤ VPM B.N. Bandodkar College of Science held its Convocation ceremony for Batch 2022-23 on April 6th and 8th, 2024. The event marked the completion of students' academic journey and the start of a new chapter in their lives.
- > Students were honoured for their hard work, dedication, and accomplishments, and presented with their degrees.
- > Faculty members and administrators congratulated the graduates and imparted wisdom for their future endeavours.
- > The Convocation ceremony served as a moment of reflection, celebration, and inspiration for the graduating class, allowing them to express gratitude to their mentors, peers, and loved ones.
- It also strengthened the bond between the college and its alumni, as graduates transitioned from students to esteemed members of the college community.
- Overall, the Convocation ceremony was a joyous occasion filled with pride, optimism, and anticipation for the bright futures of the graduating class.

Financial Grants Approached

- ♦ PM-USHA RUSA Grant to strengthen college of Rs. 5 Cr.
- ♦ Autonomy-Grants by UGC of Rs. 33 Lakhs
- ♦ UGC Golden Jubilee Grant of Rs. 25 Lakhs
- ♦ Government of India Ministry of Earth Science Grant of Rs. 1 Lakh

Superannuation of staff

- ➤ Associate Professor **Dr. Moses Kolet**, Former Principal, Dept. of Botany, retired on 30th November 2023.
- ➤ Professor **Dr. Moitrayee Saha**, Former Vice-Principal, Dept. of Botany, retired on 30th June 2023.
- ➤ Associate Professor **Dr. Sudesh Rathod**, Dept. of Zoology, retired on 31st October 2023.

-Prof. Dr. Vinda Manjramkar I/C Principal



Vidya Prasarak Mandal, Thane Managing Committee 2023-24



Sitting: Shri Trivikram Bendre (Treasurer), Shri Uttam Joshi (Jt. Secretary), Dr. Vijay Bedekar (Chairman), Shri Abhay Marathe (Secretary), Shri Jayant Kayal (Member)

Standing: Sou. Alpana Bapat (Member), Shri Dilip Joshi (Member), Dr. Mahesh Bedekar (Member), Shri Santosh Joshi (Member), Dr. Anand Bedekar (Member), Shri Aniruddha Joshi (Member)

Our Administration



6 Patents Published





Professor Dr. Vinda Manjramkar Incharge Principal, Head, Dept. of Zoology Recipient of 'Krantijyoti Savitribai Phule Gauvav Purskar' 2024 'Best College Award' 2024 by District Collector



Mr. Abhijeet Kale Vice Principal (Degree Unaided Secion)

Our Administration



Mrs. Sunita Dhakne Vice Principal (Junior College)



Mrs. Sandhya Pawale Supervisor (Junior College)



Mr. Chetan Moynak Office Supretendent



Mr. S.D. Choudhari Senior Clerk

Superannuation of Staff

Associate Professo Dr. Moses Kolet Former Principal, Dept. of Botany Superannuated on 30th November 2023



Professor Dr. Moitreyee Saha Former Vice-Principal, Dept. of Botany Superannuated on 30th June 2023



Staff Achievers

Associate Professo Dr. Sudesh Rathod Dept. of Zoology Superannuated on 31st october 2023





Ms. Sayali Daptardar (Avishkar Project



Ms. Meetali Chinnkar (Avishkar Project Guide)



Ms. Sumaiya Shaikh (Avishkar Project Guide)

Avishkar Research Convention Zonal Round Winners



Prof. Dr. Anita Goswami Dr. Sandeep Kahandal 1 Student completed Ph.D, & 1 Patent Published



Awarded Ph.D. Guideship



Dr. Kalpita Mulye 1 Patent Published



Dr. Jayashree Pawar 1 Patent Published



Capt. Bipin Dhumale Awarded as Instructor of Best RDC Contingent



Mr. Anil Athawale Best Teacher Award

Staff Achievers



Dr. Tanzim Shaikh Awarded Ph.D. in Statistics



Ms. Ankita Shinde NET Qualified June 2023 Dept IT-CS



Mr. Sanket Phad M-SET Qualified June 2023 Dept of Physics



Mr. Aditya Mhatre M-SET Qualified June 2023 Dept of EVS / BWCM



Ph.D. Student

Ms. Ashwini Pawar Awarded Ph.D.in Chemistry Guided by Prof. Dr. Anita Goswami

Student Achievers



Ms. Sanika Gore SYJC Topper 95.33%



Ms. Nisha Yadav FYJC Topper 93.00%



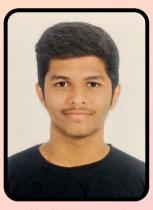
Mr. Prasad Patil Gold Medal in Artistic Gymnastic National Competition



Mr. Tejas Chavan Silver Medal in State Judo Tournament



Mr. Amol Choughule Co-Author in Book titled 'You and Me' of Blue Star Publication



Mr. Atharva Bagade Second Prize in Classical Instrumental-Solo at Youth Festival (Zonal Round)



Ms. Hooeda Idrishi Third Prize in Cartooning at Youth Festival (Zonal Round)



Ms. Shravani Kulkarni Third Prize in Indian Classical Dance at Youth Festival (Zonal Round)



Ms. Aliya Jawwad Ms. Sonali Mishra Inraveling the potential of water melon peel as dyes AVISHKAR Zonal Round Winner Project Guided by Ms.Meetali Chinnkar





Ms. Anushka Kulkarni



Ms. Gauri Sahu







Mr. Aditya Shinde



Mr. Tejas Desai



Jadhav

A comprehensive study of time series prediction method for forecasting future trends in UPI transactions AVISHKAR Zonal Round Winner Project Guided by Ms. Sumaiya Shaikh

Extraction and application of Chitin and it's derivative obtained from AGARICUS BISPORUS AVISHKAR Zonal Round Winner Project Guided by Ms. Sayali Daptardar

Our Future Leaders



SUO Shailesh Yadav



JUO Shubham Yadav NCC Secretary



CQMS Amol Udugade



CDT Kunal Kharat NCC Joint Secretary



Mr. Vishal Rajput Cultural Joint Secretary



Ms. Sakshi Chavan General Secretary, Cultural Secretary



Mr. Shreyas Shinde Cultural Joint Secretary



Ms. Sanskriti Mourya NSS Secretary



Mr. Shubham Baikar NSS Joint Secretary



Mr. Raunak Mali NSS Joint Secretary



Ms. Simran Nishad NSS Joint Secretary



Ms. Aamina Kagzi Lady Representative



Ms. Alina Desai DLLE Student Manager



Mr. Aditya JadhavDLLE Student
Manager



Ms. Sadiya Jakati DLLE Student Manager



Ms. Ashlesha Bhosale DLLE Student Manager



Ms. Nandini Tyagi IT/CS Representative



Mr. Kalash Dongre Gymkhana Secretary



Mr. Jainish Koil Gymkhana Joint Secretary



Mr. Dev Jadli Gymkhana Joint Secretary



Ms.Varada Chavan Sanyuja, Secretary



Ms. Dakshali Sawant Sanyuja Joint Secretary

IQAC of VPM's TMC Law College, Thane

in association with

IQAC of VPM's B. N. **Bandodkar College of** Science (Autonomous), Thane

(Through Department of Environmental Science and Department of Biodiversity, Wildlife Conservation and Management)

and

VPM's Polytechnic, Thane

Organize National Seminar Sponsored by

Maharashtra **Pollution Control** Board, Mumbai

Legal Protection and Improvement of the **Environment:** Challenges and the Way **Forward**

24th February 2024 Date:

Saturday

Time: 10.30 am to 06.30 pm

Venue: Thorale Bajirao Peshwe

Sabhagruha











Report of **National** Seminar

National Seminar on 'Legal Protection & Improvement of the Environment: Challenges and the Way Forward'

A National Seminar on 'Legal Protection and Improvement of the Environment: Challenges and the Way Forward' was organized by IQAC of Thane Municipal Council Law College in association with IQAC through the Department of Environmental Science and Department of Biodiversity Wildlife Conservation and Management of B. N. Bandodkar College of Science (Autonomous) and VPM's Polytechnic, Thane on Saturday, 24th February 2024 at VPM's Thorale Bajirao Peshwa Sabhagruha, Thane. This seminar was sponsored by Maharashtra Pollution Control Board. Total 167 participants attended the seminar including 14 research paper presentations.

The morning began with a traditional lightening of the lamp and Saraswati Vandana followed by the inaugural session at the hands of Dr. Mahesh Bedekar, Dr. Mrs. Madhuri Pejavar (Former Dean, University of Mumbai), Honorable Justice Shri. U. D. Salvi (Former Judicial Member, NGT), Dr. Vijay Kulkarni (Honorable Expert Member, NGT) along with Dr. Srividhya Jayakumar (I/C Principal, VPM's TMC Law College), Dr. Vinda Manjramkar (I/C Principal, B. N. Bandodkar College) and Dr. D. K. Nayak (Principal, VPM's Polytechnic College)

In the Convener's address Dr. Srividhya Jayakumar explained the theme of this seminar. She assured that this seminar will enlighten all of the participants about different laws and litigations in environment protection. This was followed by a welcome address by Dr. Mrs. Pejavar who elaborated on various activities of B. N. Bandodkar College. She mentioned the efforts done by the college in conserving Thane Creek, the largest creek in Asia.

Session I

Honourable Justice Mr. U. D. Salvi's inaugural speech reverberated across the hall as he underscored the crucial role played by the legal system in protecting our environment. Dr. Vijay Kulkarni, a renowned expert member of National Green Tribunal (NGT), then delivered a thought-provoking keynote speech on 'An Introspection for More Effective Environment Adjudication'. His words sparked lively conversations about improving legal frameworks for environment protection. This was followed by a vote of thanks by Dr. D. K. Nayak.

Session II

Panel Discussion on "Current Trends and Practices in Environmental Litigation" Second session was a Panel discussion featuring prominent members of the National Green Tribunal (NGT) Bar Association shedding light on 'Current Trends and Practices in Environmental Litigation'.

They offered valuable insights into navigating the legal landscape. The NGT, established in 2010 with its headquarters in Delhi, has been at the forefront of delivering justice to environmental activists and addressing ecological concerns. One significant historical reference made during the session was the initiation of environmental action post the Bhopal gas tragedy in 1944, which subsequently led to

the enactment of the Environmental Protection Act of 1986. This act is structured into seven statutes, each addressing different facets of environmental protection such as air and water quality.

It was highlighted that cases pertaining to environmental issues, once brought before the NGT, could directly proceed to the Supreme Court. This streamlined process has made the NGT a pivotal institution in addressing social and environmental concerns swiftly and effectively. Additionally, the discussion shed light on various tribunals established to deal specifically with environmental matters. Key cases discussed during the session included a significant landfill and environmental violation case in Goa, which raised apprehensions regarding the efficacy of enforcement mechanisms by authorities. The NGT was identified as a crucial body capable of monitoring authorities and ensuring compliance with environmental protection laws.

The panellist emphasized the importance of utilizing the NGT as a platform for addressing cases against corporate entities involved in environmental violations. They outlined the procedural aspects of filing cases with the NGT, which include e-filing without the need for physical documents or petitions. Additionally, hearings are conducted via video conferences, streamlining the process and minimizing logistical challenges.

Financial implications were also discussed, with a nominal fee of INR 1,000 required for filing petitions with the NGT. The session outlined various limitations associated with filing cases, including time constraints under Sections 14 for 6 months and under section for 5 years of the regulations. Furthermore, a 30-day probation period was mentioned as part of the process. A noteworthy initiative discussed during the session was the Paravaran Suraksha Manch, which provides a formula through which Pollution Control Board authorities receive funding to address environmental issues in specific areas. This highlights the collaborative efforts between regulatory bodies and local communities to tackle environmental challenges effectively.

Dr. Nitin Wagh conducted a paper presentation on aquaculture and its environmental impact. He specifically focused on shrimp hatcheries, farms, feed mills, and processing facilities. His research highlighted the negative consequences of fish water aquaculture on marine biodiversity. Dr. Wagh emphasized the urgency of addressing these impacts for the sustainability of aquatic ecosystems.

He discussed the existing national regulatory framework governing fisheries in India, including the Indian Fisheries Act of 1987 and the Coastal Aquaculture Authority (CAA) Act of 2005. He also mentioned a proposed amendment bill in 2023 for potential updates to these regulations. In terms of international law, Dr. Wagh referred to regulations set forth by different bodies, such as the Seafood Import Monitoring Program in the United States. He highlighted the importance of maintaining comprehensive records for designated foods to ensure public health. Dr. Wagh proposed strategies for mitigating the environmental impacts of aquaculture, including the use of technology for monitoring and enforcement, the development of new regulatory frameworks, stakeholder coordination, raising farmer awareness, and compliance with regulatory standards.

Session III

Speaker I: Environmental Governance Opportunity of Synergy of Science and Laws -Emerging areas of Remediation. Dr. Ajay Deshpande, Honourable Former Expert Member of the National Green Tribunal (NGT), delved into the intricate intersection of law and science concerning the enforcement of environmental regulations. His discourse centered on the pivotal role of environmental governance, the evolving landscape of remediation, and the jurisdictional purview of the NGT.

Environmental Governance:

Dr. Deshpande commenced with an overview of environmental governance, delineating its hierarchical levels – international, national/state, and local. He underscored the significance of research-based initiatives at the international level, particularly in addressing global phenomena like climate change-induced plastic pollution. At the national and state levels, Deshpande Sir elucidated the framework of acts, rules, and policies governing environmental regulation. Additionally, he emphasized the crucial role of local cooperation in tackling region-specific environmental concerns. Deshpande Sir elucidated the theoretical underpinnings of environmental governance, highlighting concepts such as Common Pool Resource Governance.

Trending Regulations:

In a dynamic regulatory landscape, Dr. Deshpande elucidated recent trends such as regulations targeting general pollution and endeavours to integrate environmental facilities with management practices. He also discussed the evolving paradigm of environmental jurisprudence and highlighted the compensatory measures mandated by the government and NGT to address environmental infringements. Noteworthy among these were innovative regulations focusing on environmental standards, specialized financing for environmentally sustainable initiatives, and various economic incentives and subsidies aimed at promoting environmental stewardship.

NGT Jurisdiction:

Dr. Deshpande provided insights into the jurisdictional ambit of the NGT, particularly under Section 17, which pertains to restitution of property damage and the environment.

He elaborated on the parameters utilized by the Central Pollution Control Board (CPCB) to calculate environmental compensation using the formula EC = Pi x N x R x S x Lf

Environmental Restoration:

Dr. Deshpande acknowledged the formidable challenges inherent in ecological and environmental restoration efforts. He outlined various approaches to restoration, including service-to-service, value-to-value, and value-to-cost approaches. However, he underscored the challenges associated with adhering to international standards, the proportional cost of restoration vis-à-vis cleanup efforts, and the imperative of devising mechanisms to monitor environmental damage over time.

Speaker II: Mr. Amit Yadav, Asst. Professor, MCC College

Topic: Solid Waste Management in India: A Bird's eye view

Mr. Amit Yadav in his session provided a comprehensive overview of the waste management program in India, highlighting the laws, challenges and stakeholders involved in the process. Key points discussed included the Flamingo Wildlife Sanctuary, the dumping ground in Mulund and the alarming issue of methane release from dumping grounds leading to fires. The speaker also emphasized the progress made by certain regions like Chhattisgarh, which achieved 100% waste treatment in 2001.

One of the focal points of the discussion was the legal framework governing waste management in India. The Environmental Protection Act of 1986, Hazardous Waste (H&M) Rules, 1989 (revised in 2016 – Management and Trans-boundary Waste), Municipal Solid Waste (H&M) Rules, 2000 (revised in 2016), Swachh Bharat Mission launched in 2014, Plastic Waste Management Rules 2016, Construction and Demolition Waste Management Rules 2016, Battery Waste Rules 2016 and E-Waste Rules 2016 were cited as crucial legislation in this regard.

Additionally, the concept of Extended Producer Responsibility (EPR) and Producer Responsibility Organizations (PROs) as part of the circular economy model were explained. He Highlighted the major waste-generating cities in India, the speaker mentioned Delhi's Ghazipur, Okhla, and Bhaswar, with the Municipal Corporation of Delhi (MCD) producing a staggering 11,332 tonnes of solid waste per day. Mumbai's Deonar was also discussed as a site with significant waste generation, producing 6400 tonnes of waste daily. The Mumbai City Action Plan aims to close Deonar by 2025 due to its legacy waste issues.

The presentation delved into the stakeholders involved in waste management programs, emphasizing the role of local urban bodies as the ultimate implementer. NGOs were mentioned for their efforts in tying up with local authorities for beach clean-ups and other initiatives. The importance of cleanliness ratings was underscored, with Surat cited as one of the top-ranking cities in terms of cleanliness. Session III was hosted by Dr. Urmila Kumavat, Coordinator of the department of BWCM and EVS.

Session IV

Speaker I: Mr. Meet Ashar, Animal Rights Advocate and Activist.

Topic: Forest and Wildlife Conservation

Mr. Meet Ashar emphasized on the importance of protecting wild species and their habitats for their survival. He highlighted the need to prevent wildlife from being killed indiscriminately and poached, as well as the significance of wildlife conservation in maintaining food chains and ecosystem balance.

He also addressed the reality of wildlife conservation efforts in India, the controversial aspects of wildlife management policies, such as the allowance of killing animals to settle human-wildlife conflicts under the Compensatory Afforestation Fund Management and Planning Authority (CAMPA). Additionally, he brings up instances where government officials have suggested drastic measures, such as killing all tigers in the Wynad region and advocating for a certain number of tiger deaths in Madhya Pradesh.



Speaker II: Mr. Prashant Manurkar- Quality Safety Expert, Corporate industry.

Topic: Importance of Energy Conservation for Sustainable Development with special reference to Energy Conservation.

In this session Mr. Prashant Manurkar, discussed various aspects of energy conservation and its importance for sustainable development. He covered topics such as different forms of energy, sustainable energy, efficiency, conservation, energy management, global energy reserves, energy cost reduction and energy-saving tips.

Sustainable energy was emphasized as a key aspect of conservation, focusing on using less energy, improving efficiency through technology and investing in renewable energy for the future. Mr. Manurkar differentiated between efficiency and conservation, highlighting that efficiency focuses on the equipment or machinery being used and involves using technology that requires less energy to perform the same function. Conservation, on the other hand, focuses on the behavior of people and includes any behavior that results in the use of less energy.

Energy management was also discussed, covering renewable and non-renewable energy sources, sector-wise consumption, greenhouse gas effects and global warming.

The speaker provided information on global energy reserves as of 2002, including coal, oil, and gas reserves and estimated how long these reserves could last like Global coal reserves 9,84,453 million tonnes; 1047.7 thousand million barrels of oil; 155.78 trillion cubic meters of gas; World oil and gas reserves are estimated to last 45 years respectively and Coal is likely to last a little over 200 years.

The importance of energy conservation was emphasized, noting that 60% of resources have already been consumed so far and 85% of raw energy comes from non-renewable sources, which may not be available for future generations. The Energy Conservation Act of 2001 was mentioned as a regulatory measure to promote energy conservation which came into force on 29th September 2001. Energy cost reduction strategies were provided, including simple monitoring techniques such as switching off lights and fans when not in use, adjusting air conditioning settings and maximizing the use of daylight. Additionally, energy-saving tips were given, such as replacing light bulbs with CFLs, unplugging electronics when not in use, adjusting thermostats, and using ceiling fans instead of air conditioning. Session IV was hosted by Ms. Surabhi Walavalkar Thosar, Assistant prof. at the department of BWCM and EVS.



Valedictory Session: Ms. Nilakshi Sagvekar, Senior Management Executive, Corporate Industry.

Topic: Lifestyle Changes and Corporate social Responsibilities in Conserving Energy

In the valedictory address, Ms. Nilakshi Sagvekar discussed various aspects related to energy conservation, corporate social responsibilities (CSR) and lifestyle changes aimed at conserving energy. She covered the following points.

Energy conservation is an important focus, with the use of renewable energy sources being a key strategy. Energy audits were recommended to improve efficiency, with preliminary and detailed methodologies mentioned in the context of CSR activities. ESG consists of environmental, social, and governance considerations. Several companies, such as Merico, Tata Power, and Reliance Industries Limited, have CSR initiatives for energy conservation. Investing in green energy stocks in 2024 offers benefits like portfolio diversification, reduced carbon footprint, and government incentives. Seventeen companies and start-ups, including BEXWELL Enterprises and Terracon Ecotech, are leading energy conservation in India. The Energy Conservation (Amendment) Bill, 2022 emphasizes using non-fossil sources of energy in residential sectors. Lifestyle changes, like using LED lights and adopting energy-efficient habits, are recommended for energy conservation.

The Seminar was concluded with a 'Vote of Thanks' given by the Co-convener Dr. Vinda Manjramkar, Incharge Principal, B.N.Bandodkar College of Science (Autonomous).

Dr. Urmila Kumavat Coordinator, Department of EVS & BWCM



Organizing Committee of National Seminar





Botany



Physics

Report of Implementation of National Education Policy-2020



Elocution



Human science



IKS workshop at University of Mumbai

Implementation of National Education Policy-2020

The National Education Policy (NEP) of 2020 marks a significant milestone in the evolution of the Indian education system. With its emphasis on holistic and multidisciplinary education, flexible curriculum frameworks, and technology integration, the NEP aims to transform the educational landscape of the country. This report provides an overview of the implementation efforts and initiatives undertaken by VPM's B N Bandodkar College of Science (Autonomous) College, Thane in alignment with the NEP guidelines.

According to the Government's GR and directions, as an autonomous college and PG department at B N Bandodkar College, we have prepared a credit framework for four years to implement the National Education Policy-2020 (NEP2020). To ensure smooth implementation and coordination of NEP-related activities, a dedicated NEP cell has been established. The NEP cell plays a crucial role in admission, timetable preparation, and syllabus framing as per the credit framework, and the exam pattern follows NEP credit framework guidelines. Multiple NEP cell meetings have been conducted by NEP Nodal officer Prof. (Dr) Anita Goswami-Giri with individual HODs, in-charges, and committee coordinators to facilitate implementation and also as and when required address the queries of individuals. Awareness programs were arranged for teaching staff and all FYBSc and MSc.-I students on 19th July 2023. Faculty members, principals, and nodal officers attended training sessions/ NEP sensitization program arranged by the SUKANU SAMITI, Govt. of Maharashtra, and the University of Mumbai to equip them with the necessary skills and knowledge to implement the NEP effectively.

Under the NEP's recommendations, Bandodkar College has initiated comprehensive curriculum reforms to promote flexibility, creativity, and critical thinking among students. The college adopted (DSC) model for the NEP implementation. A credit framework spanning four years UG and two years PG including integrated PG has been developed, allowing students to choose from a wide range of courses and pursue their academic interests. The PG curriculum design emphasizes practical learning experiences, project-based assessments, OJT, and industry internships to enhance students' employability and entrepreneurial skills. Equal credit is assigned in the first year for major and minor subjects in 22 credits per semester for the students by giving multiple options in major, minor, and generic subjects. Learning management systems have been adopted to facilitate cooperation and collaboration among students and intra-faculty. Basic English, scientific English writing, Soft skills management – interdisciplinary science, various skill-based and vocational courses have been introduced in the first year. However, isolated courses had their subjective framework

. Assessment and evaluation processes have been restructured to align with the competency-based approach advocated by the NEP. Continuous and comprehensive evaluation methods, including project-based assessments, portfolios, and peer reviews, have been introduced to assess students' holistic development. Emphasis is placed on formative feedback and self-assessment to promote a growth mindset and intrinsic motivation among learners.

NEP week was celebrated from 24-29 July. However, we dedicated a week to the NEP celebration to provide practical insights, tips, and advice on academic excellence, career choices, and personal development to help students make informed decisions

and set clear goals. The aim was to facilitate interactions between current students and alumni, fostering valuable connections and mentorship opportunities for the future.

On 24th July 2024, Prof. (Dr.) Anita Goswami-Giri conducted a lecture explaining the NEP awareness and our college-adopted credit framework for Botany on 26 July 2023 for Chemistry department UG and Chemistry PG students. On the same day, UGC-HRDC, and NEP Cell & IQAC of the University of Mumbai, in collaboration with RUSA Maharashtra, celebrated NEP week by arranging a lecture on the Indian Knowledge System (IKS) titled "Time to Reclaim the Lost Ground?" by Prof. B. Mahadevan on Monday at 4:00 pm at the University Kalina Campus. NEP Nodal Officer Dr. Anita Goswami-Giri, IKS subject teacher Mr. Sudhir Bhosle, and Prof. (Dr.) Vrinda Manjaramkar attended the seminar.

For UG students of Human Science and Zoology, and PG students of Clinical Science, Prof. (Dr.) Vrinda Manjaramkar delivered the NEP awareness lecture on 25th July 2023. Microbiology and Biotechnology students were assigned tasks for the preparation of various videos and YouTube content on NEP. Ms. Manasi Naik and Ms. Ketaki Nirbhavne expressed their opinions about NEP in video format on YouTube. An elocution competition was organized by the Statistics and Mathematics departments on 1st August 2023. Dr. Sangeeta Meshram, Head of the Physics Department, delivered an awareness lecture on NEP for FY and M.Sc.-I students on August 2, 2023.

Awareness was also conducted for parents of FYBSc students on 29th February 2024 for the aided section.

B N Bandodkar College is committed to the successful implementation of the National Education Policy (NEP) and its transformative vision for Indian education. Through collaborative efforts, innovative initiatives, and stakeholder engagement, we aim to create a dynamic learning ecosystem that nurtures creativity, fosters critical thinking, and empowers learners. The journey towards realizing the full potential of the NEP is ongoing, and we remain steadfast in our pursuit of excellence and equity in education.

Prof. (Dr.)Anita S. Goswami-Giri Nodal officer/ NEP Coordinator, BNBCS



Department Reports



Biochemistry

The academic year 2023-24 was full of activities and certificate courses for the department of Biochemistry. With an implementation of NEP 2020 for the first-year students, the department celebrated NEP week by creating awareness among students about this student-centric policy. An intradepartmental essay competition was organized on 29th July 2023 with an intention to promote more self-learning about the facts on NEP among students. Soon after the start of academic year in full-fledged mode, Parents meet was arranged on 5th August for the second and third year student's parents where they were informed about the working of the department and also about the competitive exams that their wards need to prepare for.

As a practice to inculcate research aptitude and presentation skills among students, the department always organizes journal and movie club. This year's movie club activity was conducted on 19th August, 2023. Soon after FYs joined, a parents' meeting was arranged on 15th September 2023 where they were also briefed about the implementation of NEP and examination pattern. Department planned to execute two certificate courses this academic year, one in the month of September and another in the month of February. For the newly launched forensic course, department invited famous forensic officer Ms. Nisha Menon to introduce the field in detail to students. Her expertise in the field was evident from the intricacies told by her regarding the cases of Sushant singh Rajput, Shradha Walkar etc. A certificate course worth 2 credits entitled 'Introduction to Forensic Sciences' was conducted for 30 hours of teaching learning which also included practical sessions and examination in 60:40 pattern.

College organized a fair for all college students with an intention to promote entrepreneurship. Four groups of students from the department participated enthusiastically in the same and also earned profit. Students were very happy to be a part of this phenomenal fest and it boosted their confidence. Students also participated in various intra and intercollegiate competitions and won accolades for the department. The competitions included not only the cultural events like mehendi competition, poster making competition but it also included the quiz competition and research prizes at a well known University level competition called Avishkar. Out of three projects that were selected from college at district level, two were from the Department of biochemistry which was a proud achievement for the entire department. Second year students were part of these projects. As a part of curriculum, third year students were also involved in various internships which they undertook during Diwali vacation. They informed teachers about the various techniques they could observe and learn hands-on, boosting their confidence.

Department organized various one day visits to nearby industries to boost up the learning and active participation of students. A visit to Bombay Test house was arranged on 9th September 2023 where Third year students learnt about various high end instruments. A visit to CETP (Common Effluent Treatment Plant) was also organized for second year students on 13th February 2024 with an intention to make them understand the process of water treatment in detail. Third year students also visited the Biomedical plant of BMC located in Taloja, Navi Mumbai, on 17th february 2024 and gained insights in the methods of Biomedical waste disposal.

A four days long Industrial visit of the department was organized from 2nd January to 6th January to Ahmendabad-Baroda covering four different industries in different

fields viz. Department of Forensic Science and Biochemistry, Startup Council and Entrepreneurship Development council, Gujarat University, Amul dairy at Anand, DMAP-ICAR, Anand, Maharaja Sayajirao University, Baroda. Students also enjoyed sightseeing at Adlaj step well and world famous Statue of Unity. A perfect mix of food industry, Entrepreneurial set up and research industry was chosen to cater to the needs and varied interests of the students. Excellent food, stay and travel arrangements made it a memorable experience for all.

Like every year, the department organized a certificate course in 'Food Adulteration and Quality Management'. This year it was organized in the months of February and March, 2024. The certificate course intended to make students aware about food adulterations and the importance of food quality. It provided theoretical and practical knowledge of concepts such as food packaging and sensory attributes of food and also about various food laws, additives and preservatives used in the food industry. The department also organized an industrial visit during the short duration of the course to a famous Prashant Corner Factory in Thane. Overall, a very positive feedback for the course has been received by all students.

All the activities of the department were organized by the student leader's group under the guidance of teachers. For each activity students were assigned duties such as making brochures, creating feedback links and looking after arrangements of the event. Their effort and dedication are duly acknowledged by the department.

Year ending parents' meet was organized on 23rd March 2024, in which parents were informed about departmental activities, their ward's attendance and overall development. A one-to-one interaction between teachers and parents made it easier for parents to know about their child in detail. The department is still planning to conduct a session in april end for giving a detailed overview of all competitive exams to all the students especially first and second year students so that they can plan their studies for the next year exams.

The BOS of the department is actively involved in reframing the syllabus of S. Y. B. Sc. under NEP for the upcoming academic year. Teachers of the department were actively involved in research activities and have taken efforts for self-development. With the enthusiastic and hard-working team, the department will surely achieve greater heights in future.

Ms. Sayali Daptardar Coordinator, Department of Biochemistry



Biotechnology and Microbiology

Since its inception in 2006-07, the department of Biotechnology and Microbiology has been working towards holistic development of students. Various activities conducted by the department have been instrumental in bringing numerous accolades to the department and the college. Apart from regular online lectures and practicals, the department organized several activities for the benefit of students during this academic year 2023-24 too.

In the beginning of the year, a Certificate Course titled 'Techniques in Molecular Biology (Level-1)' was conducted by the faculty of the department Dr. Jayashree Pawar, Ms. Purvi Shah and Dr. Ashwini Tilak. The course curriculum focused on providing hands-on sessions and delivering in-depth understanding of technical know-hows to the students along with the troubleshooting of various techniques. The course was conducted from 15th to 21st June 2023.

Dr. V. N. Bedekar Colloquium lecture on 'Antifungal drug resistance' was organized on 7th July 2023 by the department, to make students aware about current research in the field of drug resistance. The resource person Dr. SriKripa Chandrasekaran in her lucid talk, made students aware about the drug resistance by microorganisms which is nowadays commonly observed. She also discussed her own research work done in the USA and interacted with the students.

An awareness lecture about wise use of social media was organized on 19th August 2023. The resource person Ms. Prerana Mahajan, Counseling Psychologist and Forensic expert discussed medical, social and psychological effects of overuse of social media. She also suggested measures to reduce mobile use and made students aware about how to control digital time through various apps.

The departmental journal and movie club is organized every year, to acquaint the students with the process of finding research papers from high impact journals and get updated about the recent developments in the research field. This year's club, organized on 16th and 19th August 2023, was presented by SY and TY students respectively. Five students from SY and three from TY presented on interesting topics. Some of the SY students who attended workshops and training sessions with some reputed agencies during summer also shared their experience and knowledge with the audience.

Career guidance related lectures are regularly organized by the department. These sessions help the students to get clarity about career options after the Bachelor's degree and broaden their perspective in the field of Biotechnology and Microbiology. They also help students to identify their strengths and weaknesses while making a correct choice of career. Distinguished guest speakers as well as many talented alumni of the department contribute in guiding the current students regarding career.

On 16th August 2023, a career guidance session was conducted by Dr. Jayahsree Pawar, co-ordinator, Biotechnology. She informed students about the importance of appearing for competitive exams. She discussed career prospects in research and made students aware about different research organizations, their examination patterns, schedules etc.

A Competitive Exam Guidance Session was conducted on 7th July 2023, by Mr. Akshay Rathod, Alumnus of Biotechnology department, now pursuing M.Sc. at BHU. While discussing competitive exam preparation and the advantages of getting admission in a good institution, he depicted his journey from a graduate to post graduate research student. He also showed the glimpses of laboratory set-ups and campus at BHU where he is pursuing his masters. On 26th August 2023, GAT B Paper solving sessions were conducted by Alumnus Ms. Saee Joshi. currently pursuing masters in Medical Biochemistry in M.S.University, Baroda. The activity received positive feedback from the students.

Guest lecture titled 'Career opportunities in Biological sciences and allied fields', was conducted on 30th November 2023. The lecture was open to all interested students of the college. Resource person was Dr. Sushant Parab, Postdoctoral research fellow, Department of Oncology, University of Torino, Italy. The students got to know the scope for biological science students into the popular interdisciplinary field of Bioinformatics. The session was appreciated by the students as they could connect with the thoughts shared by the resource person which would help them to make a wise choice for their career. Dr. Urmila Kumavat was instrumental in making it possible to arrange this lecture.

Mr. Subhash Khatri, an alumnus of the department and currently a PhD Scholar working at Tata Institute of Fundamental Research guided the students through an interesting career guidance session on 11th December 2023. Students got new insights into an array of current career options, right from the field of research, industrial career prospects to the smart use of social media in the area of Biotechnology and Microbiology. Mr. Khatri also shared his own journey as a PhD scholar which was quite inspiring for students. Another guest lecture was conducted by alumnus Dr. Aditya Chhatre, now working in Max Planck Institute of molecular cell biology and genetics, Dresden, Germany, on 29th January 2024.

The session was instrumental in motivaing the students for undertaking research in elite research institutes. Students got to learn the comparison of classroom learning and research-based learning. They were also excited to learn the intellectual and monitory benefits that life in elite research schools offer.

An Industrial visit for third year Biotechnology and Microbiology students was conducted from 8th to 10th January 2024, to make students aware about the private industrial set-ups, start-ups and government organizations related to the field of Biotechnology and Microbiology. The visit was also to give exposure to the students about current industrial demands, working and realize possible demands of the field. Total 31 students were accompanied by Dr. Kalpita Mulye and Dr. Jayashree Pawar, Incharges of the department. The visit covered several industries in Pune - Satara belt, including KF Bioplants at Manjri, Nutrigien Agro products, Madhusagar at Mahabaleshwar and Satara mega food park. The visit helped the students to realize the potential of tissue culture expertise in products and services provided by the multinational company. They also got to know about how an idea can be converted into a successful start-up. Students were benefited by the information shared about government support facilities that can help for establishing start-ups into the market

Preparatory session for 22nd Microolympiad Preparatory session was conducted on 8th February 2024 by Dr. Kalpita Mulye, Dr. Jayashree Pawar and Ms. Purvi Shah. The guidance of the teachers helped the students prepare themselves for the National level quiz competition. helped them get better insights into the conductance of the quiz.

Students also visited the common effluent treatment plant (CETP) facility at Koparkhairane, Navi Mumbai on 13th February 2024. They learnt about the different stages of treatment that the wastewater undergoes before it is released to the environment from the resource person Mr. Mahesh Patil at CETP.

In accordance with the active-learning promoted in the NEP, an activity involving 'poster-making in cell cycle' was oraganized by Ms. Purvi Shah on 25th August 2023, which was appreciated by the students and it was observed that they could better understand and retain the concept. In the same way, innovative teaching methods were adopted by Ms. Purvi Shah, through 'Rubik Cube activity on Genetic code', which was enjoyed by the students. This activity was conducted on 16th August 2023. 'Model making activity for Immunological receptors' was conducted on 12th and 14th Aug 2023 by Dr. Kalpita Mulye. A model was made using paper, cardboard, wires, other available materials followed by a presentation about the concept and functioning of the receptor by each member of the group. Positive response was received from students in terms of understanding of the concept, and improvement in confidence for public speaking.

Mathematics bridge course was conducted by the department during February-March 2024 for those students who had not taken the subject of mathematics in their junior college. The aim of the course was to help these students understand mathematical concepts essential for smooth learning of mathematical and statistical applications in biotechnology.

The Department regularly organizes parent-teacher meeting. During the academic year 2023-24, parent-teacher meeting was arranged on 19th August 2023. During the meeting, the parents were acquainted with activities that are regularly conducted by the department, the future activities planned and overall performance of students. They were given the information regarding various competitive examinations, their schedule and importance of the same. Parents were also suggested to keep a check on writing practice of students to improve academic performance.

A guest lecture was organized on 12th march 2024, by Dr. Meghana Joshi, Program Director for Biocon-KGI certificate program in Biosciences based at KGI, California, USA, Dr. Joshi spoke about regarding the career opportunities and scope for Biotech-Micro students in the drug discovery and pharmaceuticals industry. She acquainted the students with the overall drug pipeline and informed students about various careers that can be suitably opted by Biotech-Microbiology students in this field.



Molecular Biology Certificate Course

Dr. Jayashree Pawar Coordinator, Biotechnology

Dr. Kalpita Mulye Coordinator, Microbiology

Botany

The Botany Department has embarked upon a journey of academic excellence and holistic development, as reflected in the dynamic and eventful year that has unfolded. With a steadfast commitment to nurturing botanical knowledge, fostering innovation, and cultivating well-rounded individuals, the department has orchestrated a plethora of activities encompassing academics, research, and extracurricular pursuits.

Throughout the academic year, the Botany Department has served as a beacon of learning and discovery, inspiring students to delve deep into the realms of plant sciences and environmental stewardship. Against the backdrop of a rapidly evolving world, the department has remained steadfast in its mission to equip students with the skills, knowledge, and values necessary to navigate the complexities of the modern era.

As we delve into the intricacies of this comprehensive report, we are presented with a tapestry of activities that reflect the department's multifaceted approach to education and student development. From curriculum enhancements to research endeavors, from cultural celebrations to community outreach initiatives, each activity serves as a testament to the department's unwavering dedication to excellence and innovation. We have endeavored to ignite the flames of curiosity, creativity, and critical thinking within our students, empowering them to become lifelong learners and agents of positive change in society.

As we reflect on the achievements and challenges of the past year, we are filled with a sense of pride and optimism for the future, knowing that each endeavor, each milestone, brings us one step closer to realizing our collective vision of a brighter, greener tomorrow.

The commencement of the academic year marked a bittersweet moment for the Botany Department at VPM's B.N.Bandodkar college of Science, as we bid farewell to two of our esteemed pillars of knowledge and inspiration, Dr. Moses Kolet and Dr. Moitreyee Saha. With hearts filled gratitude and nostalgia, we reflect on their illustrious careers and invaluable contributions to the department.

The Botany Department has had a dynamic and eventful year, marked by various academic, research, and extracurricular activities aimed at nurturing botanical knowledge and fostering holistic student development. This comprehensive report outlines the detailed activities undertaken by the department throughout the academic year, along with associated dates and outcomes.

August 2023:Bridge Course (28th, 29th, 31st August, 1st, 2nd July): Organized bridge course sessions to provide undergraduate students with laboratory experience, covering topics such as parts of a compound microscope, sectioning, and staining techniques.

October 2023:Parent-Teacher Meeting (13th October): Conducted a parent-teacher meeting for T.Y.B.Sc. students to apprise parents of departmental activities and stress the importance of regular attendance.

January 2024: Makar Sankranti Celebration (15th January): Organized a cultural celebration to introduce students to Indian traditions and promote holistic well-being.

February 2024: National Science Day Celebration (28th February): Commemorated National Science Day with a research poster presentation program and competitions to encourage young researchers.

Palvi Fest (27th February): Held a fest featuring various fun activities for students, including musical chairs, flip the glass, and guessing the flower and fruit by emoji.

March 2024: Namo - Maha Rojgar Melava (6th March): Enrolled TYBSc students in the job fair organized by the Maharashtra state government to provide career opportunities.

The farewell function organized by SYBSc students for TYBSc Botany students on 20th March 2024 was a heartfelt event filled with emotional moments and fond memories. The occasion commenced with cultural performances by SYBSc students, followed by speeches and tributes from both students and faculty members. The TYBSc students were honored with a special farewell address, acknowledging their contributions to the department. The event also featured gift exchanges, interactive sessions, and group activities, fostering a sense of camaraderie and nostalgia among all attendees. Overall, it was a poignant reminder of the bonds formed during their time together and a fitting send-off for the departing TYBSc students.

April 2024: Certificate Course on 'Mocktails from Nature's Basket' (13th February - 15th April): Conducted a certificate course focusing on the nutritional and medicinal values of plants, along with the preparation of nutritious mocktails.

Club Activities: Curiosity Club Inauguration (4th November 2023): Organized an inauguration ceremony featuring competition-cum-game activities for students, conducted by SYBSc and TYBSc students for FYBSc learners.

Srishti Club Inauguration (4th November 2023): Held an inauguration ceremony with food stalls organized by students, followed by various fun activities.

Field Visits:

Sanjay Gandhi National Park - Borivali Agriculture Produce Market Committee Market - Vashi Botanical Garden (Jijamata Udyan, Mumbai) Yashwantrao Chavan Maharashtra Open University, Nashik Study Tour to VPM's Campus - Thane Rajiv Gandhi Wild Research Centre, Katraj - Pune

The Botany Department has maintained a rigorous schedule of academic, research, and extracurricular activities throughout the academic year 2023-24. With a focus on providing comprehensive botanical education and fostering student growth, the department remains committed to excellence in the field of botany.

I extend our heartfelt gratitude for your invaluable cooperation and support to the Botany Department. Your dedication and commitment have greatly enriched our initiatives. Your collaborative spirit has fostered a culture of teamwork and growth within our department. Dear Dr. Urmila Kumavat, Dr. Mohan Galande, Dr. Rupali Gaikwad, Ms. Vishakha Vichare, Avinash Burange, Vikas Rasam, Rajendra Ambhore, and Sudhir Raut, Thank you for your contributions.

Warm regards,



Convocation of Batch 2022-23

Dr. V. M. Jamdhade Professor and Head, Department of Botany



Chemistry

The academic year 2023-24 commenced with an inaugural lecture delivered by Dr. Anita Goswami-Giri, Professor and Head of the Department of Chemistry, addressing S.Y.B.Sc and T.Y.B.Sc students on 13/06/2023. The initial week was dedicated to revision lectures for S.Y.B.Sc and T.Y.B.Sc, enlightening students on various chemistry topics to help them navigate the current syllabus. The FY B.Sc and MSc-I syllabi underwent modifications by the National Education Policy (NEP) and received approval during the Academic Council meeting.

The inaugural lecture for F.Y. B.Sc students, led by the Head of the Department on August 11, 2023, involved an introduction to the chemistry subjects, highlighting their importance, potential career paths, and available optional subjects. Madam also shared information about various departmental activities aimed at enhancing student development and engagement.

- The chemistry club was inaugurated with lectures by Dr. Ajit Bhumkar and Dr. Pralhad Wagh on "Careers in Chemistry" on 24/06/2023 for T.Y.B.Sc Chemistry students. Various opportunities in academics, industries, and Government & Non-Government sectors were discussed, along with the required qualifications, competitive examinations, interview skills, etc., to acquire good positions in various sectors.
- Prof. Dr. Anita Goswami-Giri and Dr. Sandeep Kahandal delivered a lecture on "Safety in the Chemical Laboratory" on June 26, 2023, for T.Y.B.Sc Chemistry students. The workshop underscored the principle that safety is not accidental but a conscious commitment, with the mantra "Lab safety starts with me." Emphasizing cautious handling and the avoidance of mishaps in the laboratory, the speakers elucidated various safety aspects. These included detailed explanations about Personal Protective Equipment (PPE) kits, eye washers, showers, fire extinguishers, and the comprehension of safety symbols, Global Harmonized System (GHS) codes, Chemical Abstracts Service (CAS) numbers, and first aid measures. The session also delved into the expected behavior within the laboratory, guiding the proper handling of chemicals and glassware. The comprehensive workshop aimed to instill a culture of safety consciousness among students, ensuring a secure and responsible environment in the chemical laboratory.
- The chemistry teachers have established Google Classrooms dedicated to each paper, providing students with an organized platform to access study materials and delve into a more in-depth understanding of the subjects. In these virtual spaces, educators have shared relevant resources, fostering a conducive environment for students to explore diverse aspects of the curriculum. Moreover, teachers have implemented a dynamic approach by organizing a blend of online and offline assignments, as well as seminars. This multi-faceted strategy ensures a holistic learning experience for students, leveraging various modules to cater to different learning preferences. Through these initiatives, the educators aim to enhance student engagement, promote self-directed learning, and facilitate a comprehensive understanding of the subject matter.

- The department consistently organizes alumni interaction sessions for FY, SY, and TY students to familiarize them with higher education admission processes. In a recent session with Ms. Pranali Dhiware, a postgraduate alumna from Central University Jaipur, valuable insights into research projects across prestigious institutes were shared. Ms. Dhiware's experiences served as a valuable resource, offering crucial guidance to students navigating the complexities of higher education and exploring research opportunities. Overall, these sessions significantly contribute to enhancing students' awareness of academic and research pathways.
- A **Parent-Teacher** meeting was conducted on 14/10/2023 to upgrade and aware the parents regarding their ward's progress. The head of the department delivered information on departmental functioning for the growth of students along with departmental infrastructural facilities and oriented them to all online activities.
- Chemistry Teachers conducted mentor-mentee meetings to guide the students interact with them, and support the mentee.
- To develop entrepreneurship skills, students were introduced to the activity. T.Y. SY students enthusiastically participated by preparing and selling a variety of food items. F.Y. students made Zunka Bhakri, T.Y. students prepared Momos, Bhel, Idli Sambar, and various snacks, while SY and MSc students created various movie clips They earn money and acquire skills with an economical source
- Promotion of a research culture and encouragement of students to engage in research through –
- 1. Mini-research projects were initiated by seven T.Y.B.Sc students under the guidance of Dr. Anita Goswami-Giri, Dr. Pralhad Wagh, and Mrs. Amruta Salve. All projects were presented at the 18th Avishkar Intercollegiate Research Convention on December 5, 2023.
- 2.5-day workshop conducted on the "Systematic Enquiry of Research" conducted from 2 August to 7 August 2023 where literature review, resources of research, project writing, poster and PPT preparation, and presentation writing bibliography topics are covered.
- Job Fair/ Counselling session arranged by Mr. Deepak Deshmukh, HR Executive, Chemtek Scientific Pvt. Ltd. Thane (Mumbai) for T.Y.B.Sc and MSc Chemistry students job ready, on 06-02-2024 total of 64 students, 10 teaching staff were present for the event.

Teachers achievements as follows – Dr. Anita Goswami-Giri:

- Guided two Chemistry MSc-II students, Mr. Rohit Kale and Ms. Vaibhavi Patil, who presented a research paper entitled "Pomegranate Chemistry, sustainability, and Nanoparticles" at the National Conference on "Environment Sustainability, Scientific, Economic, and Social Implications" organized by the Royal College of Art, Science, and Commerce, Mira road Thane.
- Guided Ph.D. student, Ms. Pawar Ashwini Arun Archana completed her Ph.D. on Friday, January 12, 2024, in Chemistry (Science and Technology) on the topic 'Degradation of Rubisco-bound Ca-1P and its properties from Solanum xanthocarpum L.'

- Published scopes indexed Ashwini A. Pawar, Anita S. Goswami-Giri* Chemical Modification Of Solanum Xanthocarpum Leaves Rubisco Due To Acidic Stress, Eur. Chem. Bull. 2023, 12 (S3), 3562 3570DOI: 10.31838/ecb/2023.12.s3.423.
- Indian Design grant patent -Patent Application no 410425-01 dated 13/03/2024 Cbr No 204198, Title- Thermogravimetric analyzer (TGA) for the measurement of thermal stability of materials
- Delivered a talk on Research Methodology on 12/10/2024 in a workshop held at VandeMataram College Dombiwali.
- Attended train-the-trainer FDP programs of RUSA.
- Being a Nodal officer attended several NEP-related Workshops.
- Prepared Credit framework for Bandodkar College of Science (Autonomous) for UG and PG.
- Also acted as Avishkar host Coordinator and organized the University zonal 18th Avishkar Intercollegiate Research Convention on December 5, 2023.
- BOS member biophysics, Governing body member, and subject expert for CAS interview panel of University Mumbai

Dr. Ajit Bhumkar:

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- Published one chapter in a Book Chapter titled "Dimethyl carbonate with ethers: Thermophysical study" with ID "iip20230B83261F6CDE365" submitted to IIP Book Series "IIP_V3_2023_BS_21_64 Advances in Chemical Science: Exploring New Frontiers" under Volume 3, 2023 IIP Series ISBN: 978-93-5747-689-8.
- Presented a paper at the National Seminar on "Current Research Scenario in Science and Technology CRSST-24" organized by Arts, Commerce, Science and Computer Science College Ashvi Kd. held on 19th and 20th January 2024.
- Acts as a mentor coordinator.

Dr. Pralhad Wagh:

- Dr. Pralhad Wagh published one Book Chapter titled "Molecular Interactions Study between butyl acetate with alkanes using Ultrasonic Techniques" submitted to IIP Book Series "IIP_V3_2023_BS_21_64 Advances in Chemical Science: Exploring New Frontiers" under Volume 3, 2023 IIP Series ISBN: 978-93-5747-689-8.
- Presented a paper at the National Seminar on "Current Research Scenario in Science and Technology CRSST-24" organized by Arts, Commerce, Science, and Computer Science College Ashvi Kd. held on 19th and 20th January 2024.
- Acts as a Cultural Coordinator.
- Published review article in scopus indexed journal of Springer Publication, Impact Factor 3.9 – Aparna S Taware, Prakash B Rathod, Ashishkumar P Katariya, Chandrakant K Tagad, Pralhad S Wagh, Jayant P Sonar, Satish U Deshmukh, Anant B Kangare on "+Technological Advancement in the development of Nano Fertilizers for sustainable Agriculture" Journal of Soil Science and Plant Nutrition (2024), DOI- https://doi.org/10.1007/s42729-024-01674-4

Dr. Sandeep Kahandal:

• Dr. Sandeep Kahandal is recognized as a Research Guide from the University of Mumbai

- Jagdish C. Bhangoji, Sandeep S. Kahandal, Rahul S. Patil, Trimurti L. Lambat, Shirinaz I. Khan, Gurumeet Wadhava, Sami H. Mahmood, and Suresh S. Shendage, One-Pot Synthesis of CuO-CuFe2O4@rGO Nanostructure with Synergistic Effect for efficient Electrochemical Sensing Application of Paracetamol, ECS Advances, 2023 2 026503
- Sandeep S. Kahandal *, Anand S. Burange *, Thomson A. Fernandes, Revisiting the role of sulfated oxides for the synthesis of pharmaceutically important heterocycles: Understanding, challenges, and future prospects, Tetrahedron Green Chem 2 (2023) 100031
- Padmakar A. Kulkarni, Sandeep S. Kahandal, Ashok G. Awale, Jagdish C. Bhangoji, Suresh S. Shendage, Synthesis of Au-Pd@CeO2 Nanocomposite as a Potential catalyst for the Buchwald-Hartwig Cross Coupling and Amination of Benzyl Alcohol Reactions, Journal of Chemical Sciences (Springer, Accepted on 28 th Feb 2024)
- Completed Refresher course in Chemistry, conducted by Teaching Learning Centre Ramanujan College, University of Delhi in collaboration with Kongunadu Arts and Science College (Autonomous), Coimbatore, Tamil Nadu & Camp; Kandaswami Kandar's College, Velur, Tamil Nadu under the aegis of PMMMNMTT (15th-29th December 2023)
- Participated and presented a paper in the National Seminar on Current Research Scenario in Science and Technology conducted by ACS College Ashvi Kd. Pune. 19th -20th Jan 2024. (Spectrometric determination of fluoride in lake water using EBT.)
- Participated in NEP 2020 orientation and sensitization program conducted by MM-TTP, UGC, Sri GuruTegh B Khalsa College, University of Delhi, 9th -18 th Jan 2024.
- Act as a Dy. Controller of Examination.

Dr. Rohini Mandhare:

- Completed an online two-week Refresher Course in Chemistry with an A grade from 15th-29th December 2023 organized by Teaching Learning Centre Ramanujan College, University of Delhi in Collaboration with Kongundu Arts and Science College (Coimbatore), Tamil Nadu under the aegis of Ministry of Education Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching.
- Completed a Six-day online Faculty Development Programme titled 'Recent Advancement in Smart Materials for Sustainable Energy Applications' organized by the Centre for Nanoscience and Nanotechnology International Research Centre from 20th November to 25th November 2023.

The chemistry department conducting a Certificate course on:

- 'Instrumentation and preparation of standard solution'. Along with it, a second certificate course is introduced for advanced learners on
- Intellectual property rights: for beginners started in Feb 2024.

The industrial visit was arranged at:

• Kerala for T.Y. Chemistry and M.Sc Chemistry students on 10-16 February 2024. Students visited the Department of Applied Chemistry, Cochin University of Science and Technology, Cochin, Tea Factory, Munnar, and Spice Garden, Munnar. A total of 36 students and 4 teachers participated in the industrial visit.

At Homi Bhabha Centre for Science Education, Tata Institute of Fundamental Research, Mumbai (HBCSE) visit was arranged on 23 /01/2024 FY BSc. A total of 63 students and 4 teachers participated.

• On 29/02/2024, Indian Rubber Manufacture Research Association (IRMRA) Thane for certificate course students 35 students as well as F.Y. B.Sc students -20 students. A total of 55 students, 4 teachers, and 2 non-teaching staff participated in the visit.

The **Chemophilic** event has been arranged for 4 and 5 March 2024 with the theme ELEMENT OF Auction where students exhibited various experimental models, chem rangoli, Chem cricket, Element Auction, Chemo Cricket, Mokshapatam, Heena, Musical Chair, Chemical Catastrophe, Kis Mai Kitna Dum, PHOTOGRAPHY, and special attention to the darkroom reaction and movie. A total of 85 students, 10 teachers, and 11 nonteaching staff participated in this event.

Dr. Anita Goswami-Giri Professor and Head Department of Chemistry



Chemophilic Fest 2024



Industrial Visit to IRMRA

Environmental Science (EVS) and Biodiversity Wildlife Conservation & Management (BWCM)

The Department of EVS and BWCM aims to provide students with specialized knowledge and opportunities to deepen their understanding in specific subjects or areas of study, by developing expertise and skills essential for their future careers or academic pursuits.

The academic year 2023-24 began with implementation of NEP 2020 for M.Sc. Semester I and II (EVS and BWCM) and upgradation of T.Y.B.Sc. Applied Component (EVS) under Autonomy. The Department of EVS & BWCM jointly conducted various guest lectures, environment related drives, nature trails, study tours, projects and seminars as per academic planner. They are as follows:

Seminars:

The Department of EVS and BWCM jointly organized the National Seminar on "Legal Protection and Improvement of the Environment" with IQAC of TMC Law College in association with IQAC of B. N. Bandodkar College of Science (Autonomous), and VPM's Polytechnic on 24th February 2024. This seminar was graced by eminent personalities such as Honorable Justice Shri. U D Salvi (Former Judicial Member, NGT), Dr. Vijay Kulkarni (Honorable expert member, NGT), Honorable Dr. Ajay Deshpande (Former NGT expert) Mr. Meet Ashar (Activist), Mr. Amit Yadav (Asst. Professor, MCC) Dr. Mahesh Bedekar, and Dr. Madhuri Pejavar.

Colloquium / Memorial / Guest Lectures and Initiatives:

Various activities for the students including guest lectures by professionals in their respective fields were organized. These help students to gain practical knowledge and experience in their areas of study.

Sr. No.	Date	Name of the Activity	Guest Speaker	
1.	25/7/2023	Poster competition on International Day for Conservation of Mangroves (in collaboration with IQAC, Mangrove foundation and Forest Department of Maharashtra)	Mr. Sushant Sunil More, Project Associate, Forest Department Mr. Lavesh Korgutkar, Livelihood Specialist, Mangrove Foundation	
2.	26/7/2023	Guest Lectures on account of International Day for Conservation of Mangroves (in collaboration with IQAC, Mangrove foundation and Forest Department of Maharashtra)	Dr. Suchandra Datta, Mr. Nikit Surve, Mr. Harshad Dhage, Mr. Dharmesh Barai, Mr. Pradip Patade	

3.	26/8/2023	Dr. Kusum Gokhale Memorial Lecture	Dr. Minakshi Gurav Assistant Professor. D.G. Ruparel College, Mahim, Mumbai.
4.	1/11/2023 to 8/11/2023	E-waste collection drive (in collaboration with Green Club of BNB & Aqsa Stamping, Mumbai)	-
5.	11/3/2024	Late Dr. V. N. Bedekar Memorial Colloquium lecture on "Mangroves - Distribution, Adaptation, Biodiversity and Importance"	Mr. Hemant V. Karkhanis Associate Manager Mangrove Dept. Godrej & Boyce Mfg. Co. Ltd.
6.	17/3/2024	Lecture on Career Guidance "Opportunities and Scope in NEBOSH and IOSH"	Dr. Kamran Abbas Mirza Asst. Prof., G.M. Momin Women's College, Bhiwandi

Alumni Lectures:

Interactions with meritorious alumni enabled our students to undertake field research as an exciting venture.

Sr. No.	Date	Title of the Session	Guest Speaker
1.	9/9/2023	Demonstration lecture "Introduction to iNaturalist"	Ms. Samiksha Chavan (2022-23 batch, BWCM)
2.	16/9/2023	Lecture on "In the world of butterflies" and Butterfly walk at VPM campus	Ms. Mrunali Raut (2022-23 batch, BWCM)
3.	16/2/2024	A peek into the World of Beetles	Mr. Omkar Damle (2022-23 batch, BWCM)

Field Visit/ Study tour/ Excursions:

Outdoor learning and field study is crucial for environmental as well as wildlife monitoring and analysis. The department conducted excursions, field visits, industry and research facility visit to provide students a practical experience. Similarly, outdoor classroom sessions were also conducted frequently in the garden and campus area.

	Sr. No.	Date	Title of the Session	Guest Speaker
	1.	9/9/2023	Demonstration lecture "Introduction to iNaturalist"	TY.B.Sc.(Biochemistry and Microbiology) M.Sc. EVS and BWCM
	2.	16/9/2023	Lecture on "In the world of butterflies" and Butterfly walk at VPM campus	M.Sc. EVS and BWCM
Ī	3.	16/2/2023	A peek into the World of Beetles	M.Sc. EVS and BWCM
	4.	7/1/2024 to 10/1/2024	Excursion to Phansad Wildlife Sanctuary, Murud, Raigad	M.Sc. BWCM
	5.	26/2/2024 to 28/2/2024	Excursion to Jaipur, Bharatpur Bird Sanctuary, Rajasthan	M.Sc. EVS
	6.	12/3/2024	Mangrove walk at Godrej Mangroves, Vikhroli, Mumbai	M.Sc. EVS and BWCM
	7.	13/3/2024	One day visit to Nisargayan, Mamnoli, Kalyan Murbad. (under MoU)	TY. B.Sc. (Biochemistry and Microbiology) M.Sc. EVS and BWCM
	8.	20/3/2024	Visit to Chhatrapati Shivaji Maharaj Vastu Sangrahalaya, Fort	M.Sc. BWCM
	9.	22/3/2024	Visit to Regional Meteorological Center (GOI), Navy Nagar, Colaba, Mumbai	M.Sc. EVS and BWCM
	10.	30/3/2024	Visit to Nanotechnology research Center	M.Sc. EVS
	11.	22/3/2024	Visit to Talaopali Lake (Campaign of Majha Talao) on account of World Water Day	M.Sc. EVS

Nature club:

Nature clubs aim to inspire students to appreciate hands-on experiences and learning opportunities. It facilitates on engaging students towards skill development, leadership quality, team management. Following activities were organized by the students under nature club:

Sr. No. Date Name of the Activity		No. of student participation	
1.	20/2/2024	Resin Art Workshop	65
2.	9/3/2024 to 16/03/2024	Quiz Competition on "World Wildlife Day"	35

Staff Achievements/Participation:

Mr. Aditya Mhatre (BWCM):

- Qualified Maharashtra State Eligibility Test (MH-SET) for Assistant Professor
- Completed one-week FDP on "Techniques in Molecular Biology" conducted jointly by Somaiya Vidyavihar University, PMMMNMTT, GAD-TLC and GeNeI, at Department of Life Science, S. K. Somaiya College, Mumbai.

Ms. Asba Ansari (EVS):

• Completed online Two - Week Inter-disciplinary Refresher Course in "ENVIRONMENTAL SCIENCE" from 29th August - 12th September, 2023 with Grade A+ organized by Teaching Learning Centre Ramanujan College, University of Delhi (Accredited Grade 'A++' by NAAC) In Collaboration with Raghunath Girls' Post Graduate College, Meerut (Affiliated to Chaudhary Charan Singh University, Uttar Pradesh) under the aegis of Ministry of Education, PMMMNMTT

Ms. Simeen Rumani (BWCM)

- Cleared MAH-B.Ed CET Exam in 2023, University of Mumbai
- Completed one week Faculty Development Teaching Training Program at Nehru Science Centre, Mumbai from 19th June 2023 to 24th June, 2023.
- Completed course on Genomics and Proteomics at IIT Bombay.
- Attended two days workshops on "SEED" at Sophia College, Mumbai.

Mrs. Surabhi Walavalkar Thosar (BWCM/EVS):

- Completed Short Term Training Program on Indian Knowledge System at Nagpur, Maharashtra from 31st July 2023 to 5th August 2023 with grade A+ organized by University Grant Commission - Human Resource Development Centre, Rashtrasant Tukdoji Maharaj Nagpur University in Collaboration with Indian Knowledge System Division, Ministry of Education and Government of India.
- Invited as a Judge for 'Lokmat Eco Friendly Ganesh Festival 2023' competition.
- Invited as a Judge for 'Essay Competition' in a National conference on World Wetlands Day organized by University of Mumbai and Paryavaran Dakshata Mandal

- Completed a five Day online QGIS training course QGIS Essentials by Researchocrat from 5th February to 9th February 2024
- Delivered a Talk on 'Introduction to Biodiversity' in Khuli Paryavaran Shala (Online Open Environmental School) an initiative by Thane Municipal Corporation and Paryavaran Dakshata Mandal

Research Paper Presentation/Published:

Sr. No.	Name of the Faculty	No. of paper Presented in Conference/Seminar	No. of Paper Published
1.	Dr. Urmila Kumavat	02	01- Book Chapter published 02- Publication under process
2.	Mr. Aditya Mhatre	03	01- Research paper published 03- Publication under process
3.	Ms. Asba Ansari	04	01- Research paper published 04- Publication under process

Avishkar Research Convention:

Avishkar Research Convention provides a platform for development of research culture and scientific temper among the students, scholars and teachers from undergraduate to doctoral level. Following students participated in 18th Aavishkar: Inter-Collegiate/ Institute/ Department Research Convention on 5th December, 2023.

Sr. No.	Name of the students	Class	Title of the Project	Guiding Teacher
1.	Tiwari Pratham	M.Sc. I BWCM	Bio indicator: Nature's Silent Reporter of Environmental Pollution and Ecosystem Health	Mr. Aditya Mhatre
2.	Bane Nimisha	M.Sc. I BWCM	Bio indicator: Nature's Silent Reporter of Environmental Pollution and Ecosystem Health	Mr. Aditya Mhatre
3.	3. Chavan Shambhavi		Dragon Fruit Delight: The Power of β- Amylase	Mr. Aditya Mhatre
4.	Dhadve Chaitanya	M.Sc. II EVS	Dragon Fruit Delight: The Power of β- Amylase	Mr. Aditya Mhatre
5.	Tiwari Sneha Kripashankar	M.Sc. II EVS	Heavy Metal Detox: Harnessing the power of fruit peel waste for a sustainable future	Ms. Asba Ansari

6.	Kumavat Pooja Babulal	M.Sc. I EVS	Heavy Metal Detox: Harnessing the power of fruit peel waste for a sustainable future	Ms. Asba Ansari
7.	7. Shaikh Namra Saad		Agro-Waste Phytoremediation: Nature's Solution to Heavy Metal	Ms. Asba Ansari
8.	Pandey Nandini Ravishankar	M.Sc. I EVS	Agro-Waste Phytoremediation: Nature's Solution to Heavy Metal	Ms. Asba Ansari

Students Participation: Following extracurricular activities were attended by the students of EVS and BWCM:

Sr. No	Date	Name of the Activity	Venue	No of Participants
1.	16/9/2023	Mangrove Cleanup drive	Kopari creek, Thane	12 Students 2 Faculty
2.	6/10/2023	Dr. Untawale Memorial Lecture	BNN College, Bhiwandi	2 Students 1 Faculty
3.	7/10/2023	Wildlife expert talk on Hidden potential of photography in wildlife	Sahayog Mandir, Thane West	9 Students 3 Faculty
4.	9/10/2023 to 12/10/202 3	Student Conference on Conservation Science (SCCS) - Bengaluru	J. N. Tata Auditorium, Indian Institute of Science, Bengaluru	1 Student
5.	21/1/2024	National level webinar and awareness program on Wetland Ecosystem	Vikas College of Arts Science and Commerce, Vikhroli	10 Student
6.	2/2/2024	World Wetlands Day 2024 Conference	University of Mumbai	11 Students 1 Faculty
7.	24/2/2024	National Seminar on Legal Protection and Improvement of the Environment	Vidya Prasarak Mandal Campus, Thane	29 students 6 Faculty
8.	27/2/2024	Workshop on Taxidermy	Department of Zoology, Bhavans's College, Mumbai	2 Students

9.	28/2/2024	National Science Day	BNB	04 Students
10.	2/3/2024	Closing ceremony of Coastwise Marine Festival	Veermata Jijabai Bhosale Udyan, Byculla	3 Students
11.	6/3/2024	Maharojgar Mela	Mulund	18 students 2 Faculty

Students Achievements:

- Ms. Shambhavi Chavan of M.Sc. I BWCM won First prize in a Photography competition in National conference on "World Wetlands Day" organized by University of Mumbai and Paryavaran Dakshata Mandal on 2nd February 2024.
- Article by Ms. Shambhavi Chavan titled "Checklist of Butterfly Diversity in Godrej Mangroves During Post Monsoon Season" accepted for publication by upcoming newsletter (2024) of SACON EIACP Programme Centre.
- Mr. Sarvesh Abhyankar from M.Sc. II BWCM volunteered for 2-day Herpetofauna Count conducted by Green Works Trust at Kusavade, Koyna, Maharashtra.
- Mr. Omkar Mundhe of MSc. II EVS won First prize in a poem writing competition organized by Cultural committee of BNB.
- Ms. Sneha Tiwari of MSc. II EVS completed an online course on SustainAgility Fundamentals from Massivue Academy.
- Mr. Omkar Mundhe MSc. II EVS completed an online course on Environmental Management and Legal Compliance from Alison & CPD Certification services
- Mr. Sarvesh Abhyankar from M.Sc. II BWCM contributed photo sourcing in a Book on "The Fun-cyclopedia of Indian Wildlife Butterflies" supported by United Way Mumbai.

Future prospects for EVS and BWCM Department include a more hands-on approach, focusing sustainable practices via more collaborations, MoUs with institutes & industries, new certificate courses, funded research projects and consultancy services. The upcoming academic year 2024-25 will be aimed at implementing NEP 2020 for M.Sc. Semester III and IV, and will emphasize on job and business opportunities through updation and addition of new courses.



Visit to Godrej Mangrove

Dr. Urmila Kumavat Coordinator Department of EVS & BWCM

Human Science & Clinical Psychology

Department of Human Science & Clinical Psychology conducted the following activities during the academic year 2023-2024

Department of Human Science of VPM's B.N. Bandodkar College of Science (Autonomous), Thane organized a lecture on "Mastering the art of writing the research paper - A step by step guide" in collaboration with Zoology & Biochemistry for UG & PG students on 27th July 2023 from 2.00 pm to 3.00 pm in online mode.

Department of Human Science along with Clinical psychology organized a guest lecture on 'Unveiling the secret of Handwriting - An introduction to Graphology', on 17th August 2023 from 10.30 am to 12.30 pm, where handwriting expert shared knowledge regarding personality & handwriting.

On 29th August, Department of Human Science celebrated Onam festival- Harvest festival of Kerala state. As a part of celebration students along with their teachers wore traditional keralite costumes.

To welcome F.Y.B.Sc (Human Science) & M.Sc- Part 1 (Clinical Psychology), students & teachers of the same Department organized Fresher's day on 6th September 2023, where various fun activities & games were conducted.

Department of Human Science conducted excursion – biodiversity visit for F.Y.B.Sc, S.Y.B.Sc & T.Y.B.Sc, on 15th September to Matheran hill station. There students observed wide range of flora & fauna.

On 26th September 2023, Industrial visit was organized for T.Y.B.Sc students to Krishna Jal- Ameya enterprises along with 2 faculty members. Students learned about various water purification steps, packaging & industrial management.

On 27th September 2023, a visit to Dharmavir Anand Dighe Jidd Shalav (Special school) was organized for S.Y.B.Sc & M.Sc Clinical Psychology (Part- 1) students. Total 19 students along with 1 teacher visited the same.

A campus visit was conducted for butterfly identification on 6th October 2023 for F.Y.B.Sc Human Science students. Total 22 students were guided by 2 faculty members.

Department of Human Science & Clinical Psychology, organisized a field visit to Manashakti- Mind gym for M.Sc students on 30th October 2023, accompanied by 2 faculty members. There students were exposed to various kinds of biofeedback techniques through which they learned about their states of mind.

On 4th November 2023, SOHAM club was inaugurated along with other Departmental clubs. Various activities likes psychological testing, hematological testing were conducted by students.

Five students from S.Y.B.Sc& three students from M.Sc participated in Avishkar-research convention. They did poster presentation of their research projects, on 5th December.

International Monkey Day was also celebrated by Department of Human Science along with Department of Zoology on 14th December 2023. During celebrations students conducted various activities like quizzes, PPT presentations, Monoact, Recitation 7 story telling regarding Primates (Monkeys).

On 17th January 2024, Department of Human Science along with Department of Zoology organized one day excursion to Arnala Covering - Archeological Sites, Tungareshwar Wildlife Sanctuary, Ice Factory etc. 22 students and 1 faculty member visited the same.

On 25th January 2024, students visited Chatrapati Shivaji Maharaj Vastu Sangrahalay and heritage properties of Mumbai, as a part of archeological visit. 20 students along with 2 teachers visited the same.

On 5th & 7th February, Meraki fest was organized under Departmental club SOHAM. During fest guest lectures on Animal assisted therapy and financial literacy were arranged along with several activities like box cricket, movie screening, Jewellery making workshop, Talent show, Quiz competiton, etc.

Three students of the Department participated in UDAAN festival organized by DLLE of Mumbai University. Out of them 1 student got Third Rank (Bronze medal) in elocution competition.

Department conducted two PTA meetings on 9/11/2023~&~10/02/2024, to discuss students performance in internal & theory exams.

On 12th February 2024, Department organized a lecture on Media literacy, conducted by I/C Principal- Dr. Prof. Vinda Manjramkar, creating awareness about appropriated use of social media.

A workshop was organized on – Rorschach Inkblot Test, on 12th& 13th February 2024 for M.Sc. students. During workshop, students learned to administer, score & analyze the Rorschach Inkblot Test.

On 17th February 2024, Late Dr. V.N.Bedekar, memorial colloquium lecture on-"Workshop on mental well-being & behovioral Science, was organized by Department of Human Science, Clinical Psychology, Department of Zoology, Department of Information Technology & Department of Computer Science.

A visit to Thane Regional Hospital was organized for T.Y.B.Sc students on 22nd February 2024. During visit students visited various wards, OT & ECT.

Seven students of M.Sc part-2 completed internship at Mahavir Hospital from 2nd to 31st January 2024. During internship students conducted interviews & psychometric tests on inpatients. In addition to this, M.Sc. part- I & M.Sc. Part-2 students also completed internship at Shivaji Hospital, Kalwa.

From 25th February – 29th February 2024, Department organized Long excursion to Jaipur- Bharatpur. Students from F.Y.B.Sc., S.Y.B.Sc and T.Y.B.Sc. attended the same.

Students visited Jantar Mantar, City Palace, Keoladev Ghana National Park (Bhartpur Bird Sanctuary), Amer Fort, Birla Mandir, Albert Museum, Jaipur foot center.

On 4th March 2024, Department of Human Science under Departmental club SOHAM organized Farewell for T.Y.B.Sc (Batch 2023-2024). Various activities, games was organized by F.Y.B.Sc and S.Y.B.Sc students for their seniors.

I/C Principal Professor Dr. Vinda Manjramkar Co-ordinator Department of Human Science & Clinical Psychology



M.Sc. Clinical psychology students visit to Manashakti- the mind gym, Lonavla

Information Technology and Computer Science

Techtalk on Data Science (IT Club activity) - A Techtalk on Data Science was organized on Monday, January 08, 2024 at 11.00 am in Patanjali Auditorium. Ms. Pooja Gharde, IT Technical Head from Livewire Division, CADD Center, Thane was the resource person. Ms. Pooja nicely explained about what Data Science is, difference between Data Science and Data Analytics, opportunities for Data Scientists and analysts, organization where Data Science projects are going on through Livewire. Total 151 students attended the Techtalk.

A Workshop towards National Conference FUTECH2024 was organized on 06/01/2024

Earn and Learn Scheme - VPM's B. N. Bandodkar College of Science (Autonomous), Thane in collaboration with Quick Heal Foundation under the scheme of 'Earn and Learn' trained students of S.Y.B.Sc.(Information Technology & Computer Science) and <u>T.Y.B.Sc</u>. (Information Technology & Computer Science). For 'Cyber Shiksha for Cyber Suraksha' Project, this year 34 Students were selected as Cyber Warriors for this project. These cyber warriors took sessions of Cyber Security in various Schools and Colleges. Total amount Rs. 2,59,800 /- earned by students who participated in this project.

Quick Heal Foundation organized 'Cyber Shiksha for Cyber Suraksha Awards 2024' at Pune on 10th February 2024. In this award function Bandodkar College was awarded as Best Process Compliance Institute in Zone 2. Also students of <u>S.Y.B.Sc.</u> (Computer Science) Ms. Nandini tyagi and Ms. Harshada Kotwadekar won individual prize in category of Outstanding Performance and Prof. Ankita Shinde awarded Extra Mile Recognition in Zone 2. In this way, Bandodkar college won 3 Awards in this event.

These awards are as follows:

- 1. VPM's B. N. Bandodkar College of Science (Autonomous) awarded as "Best Process Compliance Institute" in Zone 2. This Award is given by hands of Mr. Prakash Mahnwar Sir (Vice Chancellor of Punyashlok Ahilyadevi Holkar Solapur University) and Mrs. Anupama Katkar Madam (Chairperson of Quick heal Foundation)
- 2. Students of <u>S.Y.B.Sc.</u> (Computer Science) Ms. Nandini tyagi and Ms. Harshada Kotwadekar won individual prize in category of Outstanding Performance in Zone <u>2</u>. This Award is given by hands of Mr. Prakash Mahnwar Sir (Vice Chancellor of Punyashlok Ahilyadevi Holkar Solapur University) and Mrs. Anupama Katkar Madam (Chairperson of Quick heal Foundation)
- 3. Prof. Ankita Shinde awarded Extra Mile Recognition in Zone 2. This Award is given by hands of Prof. V. L. Maheshwari Sir (Vice Chancellor of Kavayitri Bahinabai Chaudhari North Maharashtra University) and Mrs. Anupama Katkar Madam (Chairperson of Quick heal Foundation)

Mr. Abhijeet Kale

Co-ordinator, Department of Information Technology and Computer Science

Mathematics

Mathematics Club "Siddhant" Report 2023-24

Department of Mathematics conduct activities every year under Mathematics club "Siddhanta". This year also the students enthusiastically participated and organized various activities. Mathelete is one of the best activity performed by the students for the students every year. Students attempt earnestly to make all the programs a grand success.

• Inspirational talk by Alumni 28/08/2023:-Department of Mathematics and Department of Physics jointly organized "Inspirational talk by Alumni" on August 28, 2023. Ms. Riddhi Kumavat (Mathematics Department Alumni), Mr. Yuvraj Wankhede (Physics Department Alumni), Mr. Pratik Ovhal (Physics Department) were invited being an outstanding alumni of Mathematics and Physics department. Ms. Riddhi Kumavat was selected to pursue higher studies at France, whereas Mr. Yuvraj Wankhede was selected to pursue higher studies at United Kingdom. Ms. Riddhi Kumavat shed light on the various possibilities and avenues available for students pursuing mathematics overseas. Mr. Yuvraj Wankhede delivered a comprehensive presentation about the numerous paths available for students looking to further their physics education on an international platform. Mr. Pratik Ovhal, through his engaging insights, emphasized the importance of academic planning,application processes, and variousprerequisites for various competitive examinations.

The program aimed at guiding students toward various paths to pursue studies abroad. The students who wish to pursue higher studies abroad and do not have any knowledge related to various international universities. Students of FYBSc, SYBSc and TYBSc attended the program in large number.

- Poster making competition 20/12/2023:- Poster making competition was organized by Mathematics club "Siddhanata" on the occasion of National Mathematics Day. Theme of the competition was Indian Mathematician. Competition was organized to create awareness about various great Indian mathematicians and their contribution in mathematics. Mrs. Anushree Tambe from K. J. Somaiya college of Engineering was invited as a Judge for the competition. Three students namely Supriya Jadhav, Mrunmayee Thakur and Shreya Yadkikar were given first, second and third prize respectively. Tanmay Waghchaure and Shrutika Sawant were given consolation prize during the felicitation program arranged at Patanjali auditorium.
- Guidance Session on 'What After B.Sc. Mathematics?" 20/12/2023:-To motivate students to choose career in Mathematics and make them aware about various career and educational opportunities after B.Sc. Mathematics, Anubandh Alumni Association and Department of Mathematics jointly organized guidance session on "What after B. Sc. Mathematics?" On December 20, 2023. Mrs. Anushree Tambe, Assistant professor, Department of Mathematics from K. J. Somaiya college of Engineering was invited to deliver a talk on various career opportunities related to the subject Mathematics. Fifty five undergraduate mathematics students attended the program with active participation.

Mathematics Fest: Mathlete 2024

The Mathlete Fest includes various exciting and interesting quizzes and games and the goal was to have students apply their mathematical knowledge and logical thinking to master and enjoy these quizzes and games.

TYBSc mathematics students under Mathematics club "Siddhant" organizes various mathematical activities in the form of games, quizzes and experiments on February 13, 2024.

The event started with the Rangoli competition followed by inauguration by our HOD Mrs Minal Wankhede Mam who also presented a wonderful poem on Mathematics made by her. Dance performance was presented by a student of SYBSc CZ Miss Sakshi Kulkarni.

A skit showcasing importance of mathematics and choosing mathematics as a career was performed by Mahesh Gupta and his team of TYBSc Mathematics students.

Following were the winners under various activities:

Sr. No.	Name of game	Total participants	Winners
1.	Mathematical chairs	20	First prize: Aditya Jadhav (S.Y. MS) Second prize: Kaustubh Jadhav (T.Y. Stats)
2.	Luck is yours	25	
3.	Treasure Hunt (Buja Paheli Khoj Tejori)	12 teams comprising of total 33 students	Winner team: Mrunmaye Thakur (S.Y. MS) Supriya Jadhav (S.Y. PM) SnehalJadhav (S.Y. CM)
4.	Mr and Miss Mathlete	5 teams	Miss Mathlete: Mrunmaye Thakur (S.Y. MS) Mr. Mathlete: Ramchandra Shendage (S.Y. MS)

Many more competitions were held in Mathlete-24 like Meme making, Poster making, Shayari writing and Rangoli making to encourage the creative side in students.

Finally all the winners of all competitions and games were felicitated by the hands of Incharge Principal Dr Mrs. Vinda Manjramkar and Mrs. Minal Wankhede and the event concluded with vote of thanks and National Anthem.

Mrs. Minal Wankhede Head, Department of Mathematics



Physics

The academic year 2023-2024 has been a journey of growth and skill development for students in the Department of Physics at VPM's B. N. Bandodkar College of Science (Autonomous), Thane. Through a series of engaging activities, the department has empowered students to explore their potential and deepen their understanding of physics concepts.

It all began on August 2nd, 2023, with an **inspirational talk** by Ms. Pooja Dethe, an alumna pursuing her Ph.D. in the USA. Her words of wisdom about higher education abroad inspired students to aim high and strive for academic excellence. On the same day, Dr. Sangita Meshram introduced students to the **NEP-2020 policy**, providing them with a roadmap for holistic learning and future readiness. This laid a strong foundation for their academic journey ahead.

As part of the Photon Club, students were treated to live lectures on space missions like **Chandrayaan-3 and Aditya L-1** on August 19th, 2023, and September 2nd, 2023, respectively. These events not only sparked their curiosity about space exploration but also encouraged them to consider careers in science and engineering.

A captivating lecture on December 9th, 2023, by Mr. H. B. Mali and Mr. J. D. Jadhav delved into the **physical and magnetic properties of rocks and meteoroids**. Through interactive demonstrations, students gained hands-on experience and a deeper appreciation for space science.

From December 14th to 16th, 2023, the department, in collaboration with the Bombay Association for Teacher Education [BASE], organized a **3-day Science Teacher Training Workshop**. This workshop equipped educators with innovative strategies to bring science to life in their classrooms, thereby fostering a new generation of scientific thinkers.

Mr. Parth Panchal lecture on January 3rd, 2024, provided valuable insights into **LASER and Intellectual Property Rights**, exposing students to cutting-edge technologies and the importance of safeguarding intellectual assets.

The **Paradoxia Physics** Fest held on February 26th, 2024, under the Photon Club, showcased student talents and deepened their understanding of physics concepts through various competitions and events. Additionally, we arranged a one-day industrial visit to the **Adani Dahanu thermal power station** on February 29th, 2024. Through this visit, students gained practical insights into the application of physics principles in real-world settings and the workings of the power station.

By providing engaging activities and hands-on experiences, the department has empowered students to excel academically and pursue their passion for physics with enthusiasm and confidence.

Dr. Sangita Meshram Head, Department of Physics



Statistics

Academic year 2023-24 started with an offline mode of teaching and continued to present the challenge of involving students physically in various curricular and co-curricular activities by arranging guest lecture, competition, bridge lecture, certificates courses and fun based activities like Statistics fest under Sankhya Club.

In the first week of this year Department of Statistics has conducted Bridge lecture for S.Y.B.Sc and T.Y.B.Sc students on Descriptive Statistics and Statistical methods concepts, so that they can easily cope-up with the regular studies and current syllabus.

Activity: I

The National Statistics Day is celebrated every year on June 29th in India to create public awareness about the importance of statistics in socio-economic planning and policy formulation. Celebrating the Statistics Day, to popularize the use of Statistics in everyday life and sensitize the public as to how Statistics helps in shaping and framing policies. On the 29/06/2023, S.K. Somaiya college organized a seminar in collaboration with NSSO, in which 14 T.Y.B.Sc. students along with 1 teacher participated.

The theme of the day was "Alignment of State Indicator Framework with National Indicator Framework for Monitoring Sustainable Development Goals". The officers explained the use of statistics in policy making and how variables are chosen. Senior statistical officers, Teachers gave their views about the purpose of celebrating Statistics day and how statistics helps in global wellbeing. Many dignitaries NSSO Senior Statistical officers and Deputy director, Director were present for the seminar.

In previous academic year we had organized Quiz Competition and inaugurated the Sankhya club. By participating in quiz competitions, students are encouraged to do team work and implement their knowledge, which raises their confidence and critical thinking.

Round I of the competition was a Quiz Conducted on the online platform of Kahoot. 8 best scoring teams out of the total 17 teams proceeded to Round II. It was a crossword puzzle competition in which each of the qualified teams was given a blank cross word which they had to answer in a span of 10 minutes. The 4 best scoring teams proceeded to the final round which was a Rapid-fire round and 4 matches were played between the best scoring teams from the crossword competition.

Activity: II

Event Name: Parents Meeting & Mentor-Mentee Meeting
Date: 05/08/2023 _SYBSC_MS & 05/08/2023_TYBSC_Statistics

A parent teacher meeting was conducted for SY and TY students for term I of Academic year 2023-24 in which parents were oriented with the curriculum and co-curriculum dealt by the department, make aware of the committees for the student's benefits as well as upcoming events arranged by the departments and its benefits, also give glimpse of the certificate courses and its importance. The faculty of the department also renders student support through mentor mentee meeting.



Activity: III

Event Name: First Colloquium lecture on "Understanding of High Dimensional Data and Dealing with unusual Statistical Models"

Date: 02/09/2023

Mr. Raj Khandagale, Alumina, M.Sc. from IIT Bombay has given thoughtful insights about the understanding of high dimensional data and dealing with unusual statistical models and brilliant career guidance in this respective domain and talked about the challenges and given glimpse of his journey in his domain.

Activity: IV

Event Name: Teachers' day celebration

Date: 05/09/2023

All the students of Department of Statistics from FY to TY were present for the teacher's day celebration in which one of the TYBSC Statistics student Aditya Shinde give a very informative lecture on Power BI. All the students got an overview of Power BI. The student got encouraged to come up and speak on the stage.

Activity: V

Event Name: Research Project Presentation

Date: 04/11/2023

The research project presentation was arranged to enhance the skill of the students and build confidence about their concept and to achieve the following objectives:

- Students got to know how they can improve their presentations.
- Students got to know how they can improve their presentations.
- Students were able to get research related knowledge through research project. By participating in classroom presentations students are encouraged to do team work and implement their knowledge, which raises their confidence and critical thinking.

All students of TY and Sy were divided into groups and all groups have presented power point presentation in front of and external expert Ms. Divya Nair, Ast. Prof. in Biostatistics, Dept. Of Community Medicine from TN Medical College and B.Y.L Nair Charitable hospital.

Activity: VI

Event Name: Colloquium lecture on "Industrial Application of Statistical Process

Control"

Date: 06/01/2024

Dr.Shilpa N Khare, Assistant Professor, Maharshi Dayanand college of Arts Science and Commerce, Parel has given thoughtful insights about the Industrial Application of Statistical Process Control and also given career guidance in respective domain and talked scope in the industries.



Activity: VII

Event Name: Trekking in Matheran

Date: 20/01/2024

Trekking exposes students to the beauty of nature and fosters an appreciation for the environment. This can lead to increased environmental awareness and a sense of responsibility towards conservation. Students develop strong teamwork and collaboration skills as they work together to navigate challenging terrains, share responsibilities, and assist one another during the trek. There 53 participants and trek were conducted under Sankhya Club and Hiking and Adventurous Club under the guidance of Travel Ustaad Company. The duration of the trek was from 6:30 a.m. to 9:30 p.m. Students of TY BSc Statistics and FYJC actively participated in this trek.

Activity: VIII

Event Name: Sankhya Club and Anubandh Alumni Association "Career Opportunities

in Government Sectors"

Date: 27/01/2024

Mr. Vedprakash Singh, Statistical Investigator, Grade -2 officer DCO, Maharashtra under Ministry of Home affairs has given thoughtful insights about the Career Opportunities in Government Sectors and talked scope in the industries.

Activity: IX

Event Name: Statistics Department Annual Fest 2023-24 (Intercollegiate Stats fest -

INFERENTIA)

Date: 15/02/2024 & 16/02/2022

Statistics Fest named "INFERENTIA" arranged by T.Y.B.Sc Statistics students. The tradition of conducting departmental fest has been going on in the Statistics Department since 2016. The name of the fest was 'INFERENTIA, which can be explained as a collection of all things related to Statistics. The event was conducted on 15th and 16th February, 2024 from 9:00 am to 5:00 pm. For the fest the Title Sponsor was NEIRA and associate sponsors were GRIHAM, Techno Chill, Cake Vicinity, 90 beverages. The objective of the fest was to inculcate a competitive spirit in all our students, provide a platform to showcase their talents and skills and also encourage participation from the various departments from various colleges. Total 143 students on day 1 and 129 students on day 2 were present for the event.

16th February, 2024, Prize distribution ceremony was conducted in Patanjali Auditorium & Principal madam has encouraged and motivated to students and felicitated to all the winners and appreciated to all the volunteers and staff of the department.

Upcoming Activity: X

Event Name: Certificate course on R software

Date: April 2024

A Basics of R Software Course is introduced as a certificate course conducted by Department of Statistics, V.P. M's B.N. Bandodkar College of Science, Thane. Certificate course will be conducted through online mode. In choice based credit system the



course is of 45 hrs duration which has 3 credits.

The objective of the course was:

- 1. To familiarize them with basic regular expressions in R.
- 2. To impart knowledge about creating charts, plots and vectors.
- 3. To impart knowledge about basic data analysis procedures.
- 4. To understand the multiple regression models.
- 5. To understand the procedure to perform all conventional statistical models and analysis tests.
- 6. To develop hands-on experience on solving problems related to real-life data.

There are 4 units in the course conducted by 4 resource person,

Unit 1: Fundamental of R

Unit 2: Descriptive Statistics

Unit 3: Probability and probability distribution

Unit 4: Correlation analysis, Linear Regression analysis and Curve Fitting.

Remarkable Outcome of the Course

- Students will be able to edit and save changes in existing data. Summarise and graphically display data.
- Perform all conventional statistical analysis tests.
- Read existing datasets into R or create new ones. Handle any form of data.

Ms. Sumaiya Shaikh Head, Department of Statistics



INFERENTIA Statistics Fest



Aluminus talk on 'Career Opportunities in Statistics' in Government Sector

Zoology

Peer to Peer Career guidance lectures were organized by Prof. Dr. Vinda Manjramkar and Dr. K.M. Pariya in two sessions by two different ex-students of the department. First session was held on 17th August 2023 by Ms. Janhavi Deshmukh and second session was held on 13 February 2024 by Ms. Shrishti Yadav. The talk includes career opportunities in clinical research and importance of entrance exam (GATE) for higher studies in IIT Jam. On teacher's day celebration two TYBSc students have teached topics to SYBSc students as peer to peer learning.

Dr. Sudesh. D. Rathod conducted practicals on Identification of the specimens was conducted in the laboratory. Students realized the intensity of importance of animal identification & application of taxonomy.

Departmental activities: Prof. Dr. Vinda Manjrankar has conducted many programs in Zoology departments such as Debate on IVF & Surrogacy, Insect impact on life. Celebration of International-Tiger Day, Youth Day, Elephant Day, Monkey Day, Penguin Awareness Day was also conducted. The aim was to spread awareness and importance of animals in nature.

V.P.M's Polytechnic College visit was conducted on 19th October 2023 for Polytechnic College students. Demonstration of biological instruments was given to 24 third year polytechnics. Ms. Nikeeta Keni dealt with the handling of microscopes and showed slides of microscopic organisms and histology. Ms. Anjali Yadav exhibited the museum specimens and explained their characters. Ms. Nimeesha Vagal and Simran Modgekar introduced the instruments used in the department, its maintenance and gave handson practice to students.

Field visits of TYBSc students were conducted in Butterfly garden, local fish market by Nikeeta Keni and Anjali Yadav. Field visits of FYBSc in college campus conducted by Umesh Avdootha and Anjali Yadav. FYBSc fish food dishes were prepared by students as VSEC practical guided by Nimeesha Vagal and Simran Modgekar.

Parents-teacher meeting of students 9.12.2023 at 3pm in Zoology lab regarding TYBSc excursion & students development & studies. Parents gave their inputs about the expectations from the department and administration. Meeting was adjourned with suggestions and feedback.

Excursions:TYBSc Excursion was conducted in Rajasthan - Jaipur, Ranthambore at 25th -29th February 2024. SYBSc Excursion was conducted in Tungareshwar and Arnala on 17th Jan 2024. FYBSc Excursion was conducted in Sanjay Gandhi National Park and Chattrapati Shivaji Maharaj Vastu Sangralay Mumbai on 10th Feb 2024.

Zoology Club Fest (Zoomagica) was conducted on 15th and 16th February 2024. Exhibition, Treasure hunt, Art competition, photograply was held in fest. Colloquium lecture was conducted on 17th Feb 2024 on Mental health wellbeing. Students has enthusiastically participated and organized the fest under Prof. Dr. Vinda Manjramkar and Dr. K.M. Pariya.

NEP Week Celebration was conducted on 25th July 2023 at 11am. New Education Policy was introduced to students.

Dissection: Shark dissection was conducted by Ms.Nikeeta Keni and Mr.Umesh Avdootha for TYBSc students are practical.

I/C Principal Professor Dr. Vinda Manjramkar Head, Department of Zoology

ग्रंथालय

ग्रंथालयात आजिमतीला एकूण ३३३५६ पुस्तके पदवी महाविद्यालयाची, ५०६२ किनष्ट महाविद्यालयाची, ४०७४ पुस्तके पुस्तक पेढी योजने अंतर्गत अशी एकूण ४२४९२ पुस्तके उपलब्ध आहेत. तसेच १४ मासिके, १२ राष्ट्रीय व १० आंतरराष्ट्रीय वैज्ञानिक नियतकालिके अवांतर वाचकासाठी उपलब्ध आहेत. २०२३-२०२४ या शैक्षणिक वर्षात १०५१ पुस्तके खरेदी केली.

ग्रंथालयात विविध ज्ञानाचे स्रोत उपलब्ध आहेत. महाविद्यालयातील प्रथम वर्ष विज्ञान शाखेच्या विद्यार्थ्यांना या स्रोताबद्दल ओळख होण्याच्या दृष्टीने ग्रंथालय उद्घोधन सत्र १६ ऑगस्ट, १९ ऑगस्ट आणि २३ ऑगस्ट २०२३ रोजी आयोजित करण्यात आली होती. ग्रंथालयाचा ग्रंथसंग्रह, मासिके, नियतकालिके, वेब ओपेक, ग्रंथालयाच्या वेळा, विविध पारंपरिक तसेच माहिती तंत्रज्ञानावर आधारित सेवा, पुस्तक पेढी योजना, ए संसाधने, प्लॅटफॉर्म याबद्दल विद्यार्थ्यांना माहिती देण्यात आली.

सर्व विद्यार्थ्यांमध्ये KNIMBUS या डिजिटल प्लाटफॉर्मबद्दल जागरूकता निर्माण करण्याकरिता ऑनलाइन सत्र ८ आणि ९ ऑगस्ट २०२३ रोजी संपन्न झाली. KNIMBUS या इलेक्ट्रॉनिक प्लॅटफॉर्मच्या माध्यमातून विद्यार्थ्यांना पुस्तके, नियतकालिके, डेटाबेस, प्रोजेक्ट इत्यादी उपलब्ध आहेत इलेक्ट्रॉनिक साधने वापरण्याकरता महाविद्यालयातर्फे प्रत्येक विद्यार्थ्यांचे ईमेल आयडी तयार करण्यात आले आहे. याबरोबरच विद्यार्थ्यांना e-resources वापरणे सोपे जावे याकरिता ग्रंथालय सहकारी नियमित प्रशिक्षण देत असतात.

ग्रंथालय विभागातर्फे महाविद्यालयाचे संकेतस्थळ वेळोवेळी अद्ययावत करण्यात येते, तसेच महाविद्यालयातर्फे आयोजित विविध उपक्रमांबाद्दलची माहिती विद्या प्रसारक मंडळाच्या दिशा या मासिकातील \mathscr{C}_{quot} ;परिसर वार्ता \mathscr{C}_{quot} ; या सदरात प्रकाशित करण्याकरता दरमहा पाठविण्यात येते.

"Awareness of Research Platforms"

नवरात्रीचे औचित्य साधून ग्रंथालय विभागाने विद्यार्थी व शिक्षक यांच्यामध्ये संशोधनाबद्दल रुची निर्माण व्हावी व संशोधनाकरिता आवश्यक माध्यमांबद्दल जागरूकता करण्याकरता "Awareness of Research Platforms" या विषयावर नऊ दिवस नऊ विविध संशोधन माध्यमाचे भित्तीपत्रिकांच्या माध्यमातून प्रदर्शन भरविले.

१५ ऑक्टोबर २०२३ या प्रथम दिवशी "Google Scholar" या संशोधन माध्यमाबद्दल भित्तीपत्रिकेचे उदघाटन श्री पंकज गोडसे, ग्रंथपाल, हिंदुजा व्यवस्थापन महाविद्यालय यांच्या हस्ते संपन्न झाले. ग्रंथपाल कादंबरी यांनी Google Scholar या माध्यमाबद्दल माहिती दिली व त्याचा संशोधनाकरिता कशा प्रकारे वापर करता येईल हे विस्तृतपणे सांगितले.

१६ ऑक्टोबर २०२३ रोजी "Research Gate" या संशोधन माध्यमाबद्दल भित्तीपत्रिकेचे उदघाटन डॉ उर्मिला कुमावत सहाय्यक प्राध्यापक वनस्पतीशास्त्र विभाग यांच्या हस्ते संपन्न झाले. ग्रंथपाल कादंबरी यांनी Research Gate चे सदस्यत्व कसे घेता येईल व त्यामधील विशिष्ट बाबी याबद्दल माहिती दिली. १७ ऑक्टोबर २०२३ रोजी "Academia" या संशोधन माध्यमाबद्दल, १८ ऑक्टोबर २०२३ रोजी "Shodhaganga", १९ ऑक्टोबर २०२३ रोजी "ORCid", २० ऑक्टोबर २०२३ रोजी "HINDAWI & DOAJ", २१ ऑक्टोबर २०२३ रोजी "Mendeley", २२ ऑक्टोबर २०२३ रोजी "Creative Commons" आणि २३ ऑक्टोबर २०२३ रोजी "VIDWAN" भित्तीपत्रिकेचे प्रदर्शन करण्यात आले होते.

विविध दर्जात्मक संशोधन साहित्य ओपन ऍक्सेस (मुक्त द्वार)माध्यमांमार्फत उपलब्ध आहेत. या प्रदर्शनांमधून या विविध ओपन ऍक्सेस माध्यमांचा विद्यार्थी व शिक्षकांना परिचय करून देण्यात आला. संशोधकाला संशोधन करण्याकरिता दर्जात्मक संशोधन साहित्य उपलब्ध करून देणे, आपल्या संशोधनाला प्रसिद्धी मिळवून देणे , अधिकाधिक संशोधकांबद्दल माहिती मिळवणे , विविध उच्च दर्जाच्या संशोधन संस्थांची माहिती कशा प्रकारे मिळवावी याबद्दल जागरूकता निर्माण करणे हेच मुख्य उद्दिष्ट या उपक्रमाचे होते.

दिनांक १२ ऑगस्ट २०२३ रोजी भारतीय ग्रंथालय शास्त्राचे जनक डॉ एस.आर.रंगनाथन यांची जयंती महाविद्यालयाच्या ग्रंथालय विभागामध्ये साजरी करण्यात आली. ग्रंथपाल सौ कादंबरी मांजरेकर यांनी डॉ एस.आर.रंगनाथन यांच्या कार्याबद्दल माहिती सांगितली. महाविद्यालयाच्या प्रभारी प्राचार्या डॉ.विंदा मांजरामकर तसेच प्रा.अभिजित काळे यांनी प्रतिमेस पुष्पहार अर्पण केला. तसेच एस.आर.रंगनाथन यांच्यावरील माहितीचे तसेच पुस्तक प्रदर्शन करण्यात आले होते. या निमित्ताने ग्रंथालय विभागातर्फे आयोजित "बुकमार्क" स्पर्धेच्या विजेत्यांना प्रभारी प्राचार्या डॉ.विंदा मांजरामकर व उपप्राचार्य प्रा.अभिजित काळे यांच्या हस्ते पुस्तकरूपी भेट देऊन गौरवण्यात आले.

मराठी भाषा संवर्धन पंधरवडा यानिमित्ताने ग्रंथालय विभागातर्फे २७ जानेवारी २०२४ रोजी मराठीतील विविध संदर्भ ग्रंथांचे प्रदर्शन भरविण्यात आले होते. मराठी भाषा गौरव दिनानिमित्त २७ फेब्रुवारी २०२४ रोजी मराठीतील थोर लेखक तसेच "औषधी वनस्पती" बाबत मराठी पुस्तकाचे प्रदर्शन भरवण्यात आले होते.२८ फेब्रुवारी २०२४ रोजी राष्ट्रीय विज्ञान दिना निमित्त जगप्रसिद्ध वैज्ञानिकांचे पुस्तकांचे तसेच विज्ञानातील महत्वाचे संदर्भ ग्रंथांचे प्रदर्शन ग्रंथालय विभागातर्फे आयोजित करण्यात आले होते. तसेच २०२४ हे वर्ष युनायटेड नेशन्स तर्फे "International Year of Camelids " म्हणून घोषित करण्यात आले आहे. त्यानिमित्ताने Camelids बद्दल माहिती व भित्तीपत्रिका प्रदर्शित करण्यात आली होती.

ग्रंथालय विभाग पुस्तक प्रदर्शन आणि माहिती प्रदर्शनाच्या माध्यमातून विद्यार्थ्यांमध्ये जागरूकता निर्माण करण्याचं कार्य सदैव करत आहेत. विद्यार्थ्यांना देशातील सामाजिक, राजकीय, क्षेत्रात काम करणाऱ्या थोर व्यक्तींच्या कार्याबद्दल माहिती या विविध प्रदर्शनामधून देण्यात येते. याबरोबरच विविध वैज्ञानिकांनी बद्दलची माहिती देखील त्यांचे जन्मदिवस लक्षात घेऊन प्रदर्शित करण्यात येत असते. अशा प्रकारे यावर्षी खालील विविध दिवस ग्रंथालय विभागात साजरे करण्यात आले.

राजश्री शाहू महाराज(२६ जून) ,लोकमान्य टिळक पुण्यतिथी (१ ऑगस्ट) , तुकाराम भाऊराव साठे जयंती (१ ऑगस्ट),शिक्षक दिन (५ सप्टेंबर), सरदार वल्लभंभाई पटेल जयंती (३१ ऑक्टोबर), इंदिरा गांधी पुण्यतिथी (३१ऑक्टोबर), मोलाना अब्दुल कलाम आझाद जयंती (११ नोव्हेंबर),श्रीनिवास रामानुजन जयंती (२२ डिसेंबर) ,सावित्रीबाई फुले जयंती (३ जानेवारी) जिजाऊ मासाहेब जयंती (१२ जानेवारी), स्वामी विवेकानंद जयंती (१२ जानेवारी),नेताजी सुभाषचंद्र बोस जयंती (२३ जानेवारी) ,बाळासाहेब ठाकरे जयंती(२३ जानेवारी), महात्मा गांधी पुण्यतिथी (३० जानेवारी), संत सेवालाल महाराज जयंती(१५फेब्रुवारी), छत्रपती शिवाजी महाराज जयंती (१९ फेब्रुवारी) संत गाडगेबाबा जयंती (२३फेब्रुवारी), त रविदास महाराज जयंती (२३फेब्रुवारी), स्वातंत्र्यवीर विनायक दामोदर सावरकर पुण्यतिथी (२६ फेब्रुवारी) , यशवंतराव चव्हाण जयंती (१२ मार्च) आदी थोर व्यक्तींवर आधारित माहिती प्रदर्शन आयोजित करण्यात आले होते.

सौ. कादंबरी मांजरेकर ग्रंथपाल

मराठी

मराठी भाषा गौरव दिन

एकीकडे मराठी भाषेला अभिजात दर्जा प्राप्त करून देण्यासाठी प्रयत्न व आंतरराष्ट्रीय स्तरावर मराठी भाषा व संस्कृती यांचा उमटत असलेला ठसा, या पार्श्वभूमीवर बांदोडकर स्वायत्त विज्ञान महाविद्यालयात मराठी भाषा गौरव दिनानिमित्त एका आगळ्यावेगळ्या कार्यक्रमाचे आयोजन करण्यात आले,

या मध्ये ज्येष्ठ सामाजिक कवी श्री. किरण सोनवणे व मराठी भाषेच्या अभ्यासक व **"कवितेच्या वाटेवर"** या कार्यक्रमाद्वारे महाराष्ट्रातील मनामनांत पोहोचलेल्या साधना जोशी यांना प्रमुख पाहुणे म्हणून आमंत्रित करण्यात आले होते.

मराठी अभिमान गीताने सुरुवात झालेल्या या कार्यक्रमात कुमारी आश्लेषा भोसले यांनी आपल्या ओघवत्या शैलीत सूत्रसंचालन केले,

कार्यक्रमाचे प्रास्ताविक मराठी भाषा विभाग प्रमुख प्रा. बिपीन धुमाळे यांनी केले व "आपणच मराठीचा वापर रोजच्या दैनंदिन जीवनात करून आग्रह धरायला हवा" असे आवाहन केले,

त्यानंतर महाविद्यालया च्या प्राचार्या डॉ. विंदा मांजरमकर यांनी बारा मैलावर भाषा कशी बदलते याचे उदाहरणे, दाखले देऊन काही बोलीचे सादरीकरण पेश केले.

प्रमथ सौ. साधना जोशी यांनी आपल्या गाजलेल्या "किवतेच्या वाटेवर" या गाजलेल्या कार्यक्रमाचे सादरीकरण केले, यामध्ये त्यांनी किवतेत व्युत्पत्ती पासून ते संत परंपरेत जनमानसात लोकप्रिय आहेत अशा रचना, त्यांचा अन्वयार्थ, लोकसाहित्य, प्रेम किवता, विडंबन काव्य, उपहासात्मक किवता, विनोदी लेखन ईत्यादी कंगोरे रिसक विद्यार्थ्यांना उलगडून दाखवले, व आपल्या मंत्रमुग्ध करणार्या शैलीत विद्यार्थ्यांना मार्गदर्शन करत मनमुराद हसवून अंतर्मुख होऊन विचार करायला लावला.

त्यानंतर ज्येष्ठ कवि श्री. किरण सोनवणे यांच्या गीतांचा कार्यक्रम सादर झाला, यामध्ये त्यांनी प्रेम कविता, समाजिक भान असणार्या कविता, नशाबंदी वरील कविता, अशा विविध प्रकारच्या रचना आपल्या खणखणीत आवाजात सादर केल्या.

याप्रसंगी राष्ट्रीय छात्र सेनेचे 5 विद्यार्थी सैन्य दलात दाखल झाले म्हणून देवेश शुक्ला, मनीष दाभाडे, ओंकार चोरट, आशिष गुजर, रोहन देवकर, या विद्यार्थ्यांना पाहुण्यांच्या हस्तेसन्मानित करण्यात आले.

विद्यार्थ्यांनी या वेळी गोंधळ नृत्य सादर केले व अकरावी च्या विद्यार्थ्यांनी कुसुमाग्रजांच्या दोन कविता सादर केल्या.

यानिमित्ताने एका अनोख्या पद्धतीने आयोजित केलेल्या ग्रंथ प्रदर्शनाचा आस्वाद विद्यार्थ्यांना उपयुक्त ठरला. ग्रंथपाल. डॉ. कादंबरी मांजरेकर यांनी सर्व मान्यवरांचे आभार मानले,

याप्रसंगी, उपप्राचार्य, सौ. सुनीता ढाकणे मॅडम, भाषा मंडळ समन्वयक प्रा. अनिल आठवले, साहित्य सहवास समन्वयक,प्रा. सुधीर भोसले, ग्रंथपाल सौ. कादंबरी मांजरेकर, रसायन शास्त्र विभाग प्रमुख,डाॅ. अनिता गोस्वामी, व प्रा. बालाजी घुगे, निवृत्त प्राध्यापक, डाॅ. सुदेश राठोड, डाॅ. प्रकाश माळी सर, पदार्थ विज्ञान शास्त्राचे प्रा. सुनील भुसारा, तसेच राष्ट्रीय छात्र सेनेचे व राष्ट्रीय सेवा योजनेचे विद्यार्थी आणि अकरावीचे सर्व तुकडीतील विद्यार्थी हजर होते. कार्यक्रमाची सांगता पसायदानाने झाली.

प्रा. बिपीन धुमाळे मराठी भाषा विभाग



हिंदी भाषा दिवस

14 सितंबर 2023 को होने वाला "**हिंदी भाषा दिवस**" अर्थात हिंदी पखवाड़ा छात्रों की परीक्षा के कारण स्थगित कर दि 29 सितम्बर 2023 तारीख तय हो गई | लेकीन महाराष्ट्र शासन के आदेश से "**ईद ए मिलाद**" की छुट्टी के अनुसार १४ सितंबर का हिंदी दिवस यह कार्यक्रम ०७ अक्टूबर को आखिरकार संपन्न हुआ |

०७ अक्तूबर को दोपहर ठीक ०३ बजे पतंजिल सभागार में कर्यक्रम की शुरूआत हुई | प्रमुख अतिथि प्रोफेसर अनिल ढवले जोशी बेडेकर महाविद्यालय के विरष्ठ महाविद्यालय के प्रोफेसर जी के करकमलों से दिपप्रज्वलन कर कार्यक्रम की शुरुआत हुई | छात्रों ने सुमधुर वाणी में स्वागत गीत से महमानों का स्वागत किया | और पुष्प की जगह किताबें देकर प्राचार्या महोदया डॉ विंदा मांजरमकर जी ने अतिथि जी का स्वागत कीया | प्रा अनिल आठवले हिंदी विभाग अध्यक्ष जी ने कार्यक्रम की प्रस्तावना दी | उप्रचार्या. सौ सुनिता ढाकने जी ने छात्रों को हिंदी दिवस की हार्दिक शुभकामनाएँ देकर हिंदी भाषा एकदम सरल है लेकिन उसपर अपना अधिकार जमाना आना चाहिए | तब ही हम कहेंगे कि आपको उसे आत्मसात कर लिया |

प्रमुख अतिथि **मा. अनिल ढवले** जी ने छात्रों को संबोधित करते हुए कहा कि हिंदी में एक कि अपनी छिव बिखेर सकता है जैसे कि सुप्रसिद्ध कि कुमार विश्वास इन्होंने केवल किवता के बल पर पूरी दुनिया में छा सकते हैं उनको किवता के जिरये आर्थिक फायदा हो सकता है मतलब आप हिंदी को समृद्ध कर अपना अर्थिक विकास भी कर सकते हो | हिंदी ने भारत को स्वतंत्रता दिलाने के लिए भी योगदान दिया है | बहुत सारे नारे देकर भारत को अग्रेजों से छुटकारा पाने के लिए योगदान रहा | इसलिए हिंदी का आदर करो ऐसा उन्होंने कहा |

नवनिर्वाचित प्रभारी प्राचार्या डॉ विंदा मांजरमकर जी ने हिंदी के शब्दों को लेकर अलग अलग प्रांत में उसे किस तरह इस्तेमाल किया जाता है उदाहरण सहित स्पष्टीकरण दिया |

छात्रों ने अलग अलग कलाविष्कार के माध्यम से नृत्य, नाटक, भाषण, कविता वाचन, उत्कृष्ट सुत्रसंचालन कर "**हिंदी भाषा दिवस**" की गरिमा को चार चांद लगा दिया | अंत में कुमारी अश्लेषा भोसले ने आभार प्रकट कर कार्यक्रम राष्ट्रगीत से संपन्न हुआ |

धन्यवाद,

हिंदी विभाग अध्यक्ष प्रा. अनिल आठवले





College Activities







Mr. Joshi (VPM Member) inaugurated 18th Avishkar Research Convention Zonal Round on 5th December, 2023



लोकप्रिय लेखिका सौ.साधना जोशी यांच्या उपस्थितीत मराठी भाषा दिन



Neighbourhood Youth Parliament Program in collaboration with Nehru Yuva Kendra Thane



UG students attended Interview at Namo-Maha-Rojgar Melava organized by Dept of Skills-Employment State Govt. Maharashtra



UDAAN Festival organized by DLLE



हिंदी विभाग द्वारा हिंदी दिवस का उत्सव



Alumni Activity - Lecture on Career Opportunities in Govt. Sector

College Activities



Inauguration of Dept Clubs by I/C Principal



Woman Empowerment Workshop of Mrs. Padgaonkar organized by Woman Development Cell



Research Project presentation on National Science Day



Blatter Herbarium visit at St. Xavier's College & Resin Art Workshop by Dept of EVS & BWCM



Industrial Visit to Nutrigien, Pune organized by Dept of Microbiology & Biotechnology



Yoga Activity in collaboration with Ambika Yog Kutir



Celebration of Commemorative Day by Department of Library



Drawing and Essay Competition organized on the Constitution Day



Internal Audit by IQAC



Late Dr. V.N.Bedekar Colloquium Lecture organized by Department of Microbiology & Biotechnology



Arrangement of Food Stalls through DLLE Students

Committee Reports



Admission

In the landscape of modern education, the National Education Policy 2020 (NEP-2020) stands as a transformative blueprint, ushering in an era of innovation, flexibility, and inclusivity. Within this framework, the role of the Admission Committee for Bachelor of Science (B.Sc.) programs emerges as a cornerstone in the realization of NEP-2020's vision. The committee, operating at the intersection of academic excellence and student welfare, serves as the custodian of a fair, transparent, and meritocratic admission process.

NEP-2020 heralds a paradigm shift in educational philosophy, championing the ideals of holistic learning, interdisciplinary exploration, and individual autonomy. At the heart of this paradigm lies the concept of combination freedom, empowering students to chart their academic journey by selecting subjects that resonate with their interests, aspirations, and talents. Against this backdrop, the Admission Committee assumes a pivotal role in orchestrating the First Year (FY) BSc admission process, ensuring that the ethos of combination freedom permeates every facet of the selection procedure.

However, the committee's mandate transcends the confines of NEP-2020's directives. It extends its purview to encompass the normative admissions processes for Second Year (SY) and Third Year (TY) BSc programs, upholding established standards of fairness, equity, and efficiency. By navigating the intricate interplay between policy imperatives and institutional protocols, the committee endeavors to foster an environment conducive to academic excellence, intellectual curiosity, and social mobility.

In this report, we delve into the multifaceted responsibilities shoulder by the Admission Committee as it navigates the terrain of FY BSc admissions following NEP-2020's principles of combination freedom, while also ensuring the seamless operation of SY and TY BSc admissions within established norms. We elucidate the key strategies, challenges, and achievements that characterize the committee's endeavors, underscoring its indispensable role in shaping the educational landscape and nurturing the aspirations of future scholars.

FY BSc Admission as per NEP-2020:

The NEP-2020 has brought significant changes to the education system, particularly in the realm of undergraduate admissions. One of the key highlights is the emphasis on providing students with a wide array of combination choices for their academic pursuits. The FY BSc admission process this year has been structured to accommodate this freedom of choice while maintaining academic standards and integrity.

Key Points Regarding FY BSc Admission:

Combination Freedom: NEP-2020 advocates for allowing students the freedom to choose their preferred combinations of subjects. The admission committee has ensured that the FY BSc admission process aligns with this principle by offering diverse combinations across various disciplines within the science stream.

Merit-Based Selection:

While providing combination freedom, the admission process remains merit-based. Candidates are evaluated on their academic performance, aptitude for chosen subjects, and other relevant criteria to ensure the selection of deserving candidates.



Transparent Process:

Transparency in the admission process is paramount. The committee has taken measures to ensure that all procedures, criteria, and selection processes are communicated to applicants and stakeholders. This includes publishing admission guidelines, eligibility criteria, and selection criteria well in advance.

Equal Opportunity:

The committee is committed to providing equal opportunities to all eligible candidates, irrespective of their background or affiliations. Measures have been implemented to prevent bias or discrimination during the evaluation and selection process.

Streamlined Application Process:

To facilitate a smooth admission process, the committee has implemented an efficient and user-friendly online application system. This system allows applicants to submit their applications, upload necessary documents, and track the progress of their applications seamlessly.

SY/TY BSc Regular Admission:

In addition to FY BSc admissions, the Admission Committee also oversees the regular admission process for Second Year (SY) and Third Year (TY) BSc programs. While these admissions do not fall under the purview of NEP-2020 guidelines, the committee ensures that they adhere to established norms and regulations.

Thank you to all committee members Prof. Anita Goswami-Gir, Dr. Sudesh Rathod, Dr. Sangita Meshram, and Summaya Shaikh for your dedication, expertise, and contributions throughout this process.

Dr.V.M. Jamdhade Coordinator of Admission Committee (Aided Degree) & Professor and Head Department of Botany

Anubandh Alumni

Anubandh Alumni Association plays a vital role in the overall growth and progress of college. Alumni with expertise in various fields are invited to give guest lectures, workshops, seminars and career guidance and hence enriching the academic experience of current students. Such sessions conducted by Anubandh Alumni Association help current students prepare for the job market and plan for their future careers. These sessions also provide a platform for one-to-one conversation between alumni and current students and providing guidance, advice and support and mentoring the current students.

Anubandh Alumni Association organized guidance session on "Career in Pharma Sales and Marketing" on 26/08/2023 in collaboration with Department of Chemistry. Resource person was Ms. Pooja Chavla, Managing Director, Apios Life Sciences Pvt. Ltd. Purpose of the seminar was to create a common platform, where students will be able to improve their knowledge and understand the journey of medical representative (MR) and what the career in it is. Anubandh Alumni Association members Shri Sanjay Athavale (Chairman) and Shri Girish Lele (Treasurer) were among the key participants. Ms. Pooja Chavla explained in brief who is medical representative (MR), role of MR, Skills required to be MR, journey from MR to marketing head then to CEO and ended the session with pros and cons of working in a pharmaceutical company.

Career Guidance Session on "What after B.Sc. Mathematics?" was organised in collaboration with Department of Mathematics on 20/12/2023. Mrs Anushri Tambe, our esteemed alumnus and currently working as Asst Professor, Department of Mathematics, K.J. Somaiya College of Engineering was the resource person. Objective of the session was to motivate students to do B.Sc. in Mathematics and make them aware about various career and educational opportunities after B.Sc. Mathematics. Students understood various mathematics skills they have acquired from all the mathematics courses they have undertaken. They learnt various educational and career opportunities after degree in mathematics.

Session on "Career Opportunities in Government Sectors" was organised in collaboration with Department of Statistics on 27/01/2024 to make students aware about opportunities in the government sector and how to prepare for the government exams. Session was conducted by Mr. Vedprakash Singh, Our esteemed alumnus and currently working as Statistical Investigator, Grade -2 officer, DCO, Maharashtra under Ministry of Home affairs. Students got to know how to build their self confidence, attitude and mindset to study. They learnt how to improve their career path and gained knowledge about various opportunities in government fields.

Alumni Talk on Digital Transformation and Fintech was organized on 22/02/2024 with the objective to introduce the concept of how digital technology is used in finance companies. Talk was given by Mr. Sandeep Phanasgaonkar, Our esteemed alumnus and Founder and Chief Consultant of "agileitvantages", a CIO Advisory and Digital Transformation Firm. Students were able to understand basics of Fintech & Digital Transformation and key technologies driving Fintech & Digital Transformation like RPA, AI, ML and Crypto currencies. Students were able to learn about UPI, Fintech Business Models and Services. Students of Mathematics and IT/CS got idea about possible careers option in Finance Company with Technology. Anubandh Alumni Association members Shri Sanjay Athavale (Chairman), Mr. Sanjay Mandlik (Vice Chairman) and Mr. Ganesh N. (Member) were present for the talk and interacted with students on various career options.

Mrs. Uma Patne Co-ordinator, Anubandh Alumni Association

Avishkar

18th Inter-collegiate/Institute /department Avishkar Research Convention AY-2023-24
ZONE IV: Thane West (Code 4-21)

Every year Mumbai University organizes the Intercollegiate / Institute/ department Avishkar Research Convention to inculcate research aptitude among the students and to identify hidden innovative scientific talents, and capacities of the students. Due to the Avishkar Research Convention, students get opportunities to communicate with the same-minded researchers and they develop their communication and entrepreneurial skills for the incubation of their ideas. Due to the paradigm shift in education, measurement of research potential unveils the unknown and unexplored areas of knowledge in all fields of academic inquiry. The interdisciplinary approach designs the research culture with new dimensions and applications for society.

Current year, Zone IV: Thane West (Code 4-21) Avishkar Research Convention has been hosted by B. N. Bandodkar College of Science (Autonomous) with the same aim and objectives on 5th Dec 2023.

The event was inaugurated at the hand of Mr.Aniruddha Joshi the great singer and member of Vidya Prasarak Mandal. District coordinator- Dr Bhushan Langi, Cocordinator- Hema Dhavare, Officer on special duty (OSD)-Dr. Minakshi Gurav from Mumbai University along with Judges of various categories (UG & PG) from across the university colleges and institutions categories were present for the event.

Undergraduate (UG), Postgraduate (PG), and Post PG students (PPG) students from Thane zone were presented with their project with six different categories such as Category -1 Humanities, Languages, and Fine Arts, Category 2- Commerce, management, and Law; Category 3- Pure Sciences; Category 4- Agriculture and Animal Husbandry; Category 5 - Engineering and Technology; Category 6 - Medicine and Pharmacy. A total of 168 projects were presented in poster and PowerPoint format Selected projects among it, has been sent to the regional level.

From B. N. Bandodkar College of Sciences, a total of 19 projects were presented by 43 students under the guidance of 13 teachers in UG and PG categories from Chemistry, physics, zoology, biochemistry, statistics, Human science, environmental science clinical psychology.

Certificate of merit was achieved by three projects from Bandodkar under Category 4-Agriculture and Animal Husbandry for the project:

- Unravelling the potential of watermelon peel as dyes. Category 3- Pure Sciences -
- Extraction and application of chitin and its derivative,
- A comprehensive study of time series prediction method for forecasting future trends in UPI transactions.

Prof. (Dr.) Anita Goswami-Giri Avishkar Coordinator



Cultural

With a belief that curricular and extracurricular events contribute immensely in the holistic development of students' personality, the Cultural Association of VPMs B N Bandodkar College of Science (Autonomous), Thane organises different activities which provides a platform for the students to showcase their talents in diverse fields of performing arts, fine arts and literary arts. In the academic year 2023-24, Cultural Association provided different opportunities to participate students at inter collegiate and intra-collegiate level. Experience of organising and holding such events and competitions leads to all round development of our students as it brings out their leadership skills and team spirits.

The year had a great start with around 120 students participating in the youth festival organized by Mumbai University. The college won three awards at zonal level in various competitions:

- 1. Shravani Kulkarni-2nd in Indian Classical dance,
- 2. Atharva Bagade-3rd in Indian Classical Instrumentals (Percussion),
- 3. Hooeda Idrishi- 3rd in Cartooning.

Ms. Shravani Kulkarni also won the third prize at final round of 56th Mumbai university Youth Festival.

The inaugural function of the Cultural Association was organized on 13th September 2024 marked a momentous occasion, bringing together all students, staff members, enthusiasts, and dignitaries to celebrate the rich tapestry of culture and heritage. Around 230 students attended this event. Distinguished guests including Harsh Sonawane, Shubham Vele and Aishwarya Ruparel who are well known content creators graced the occasion and shared their experience with the students, lending their support and encouragement to the burgeoning cultural initiatives. The inaugural function also included the theme reveal of our college annual festival. "Adhyay" the theme of this year was loved and greatly supported by the audience. The highlight of the function was the unveiling of the Cultural Association's mission and objectives, emphasizing its commitment to promoting diversity, creativity, and inclusivity. Student representatives for the cultural association 2023-24 were declared in the event- Ms Sakshi Chavan (Secretary), Mr Vishal Rajput (Jt. Secretary) and Mr Shreyas Shinde (Jt. Secretary), Mr Shubham Reddy (PR Head), Taha Ansari (PR Sub-head), Mr. Sujal Kadam (Technical head), Ms. Krutika Jadhav (Creative head), Mr. Purvesh Talele (Social media head) Mr. Soham Waghmare (Logistics head).

Through various programs and activities, the association aims to provide a platform for artistic expression and cultural dialogue. The Cultural Association also organized a folk-dance event on 28th October 2023. The event served as a reminder of the importance of cultural exchange and understanding in today's globalized world and also helped the students to prepare in advance for university performing arts competition. It promoted mutual respect, appreciation, and awareness of the diverse cultural heritages, fostering a sense of unity amidst diversity. The success of the event underscored the enduring appeal of folk dance as a vehicle for cultural expression and community engagement. Total 435 students attended this folk- dance events.

"Aakanksha" is the annual fest organized by the Cultural Association with an aim of providing a platform for the students to showcase their skills, talents and creativity. Aakanksha fest, the much-awaited annual festival of our college, culminated in grandeur on 22nd December 2023 which was attended by 300 students, marking the

pinnacle of a week-long celebration filled with enthusiasm, talent, and camaraderie. Various competition like mehndi, bridal make-up, story-telling, poem writing, photography, shayri, tote-bag, treasure hunt, singing, dancing, etc. were organized during this whole week, in which enthusiastic students participated in huge number. The event also achieved great success by active participation of teaching and non-teaching staff of the college in the performing arts. Cultural association was able to involve students in different cultural activities to bring out the various talent of the students, to inculcate team spirit and to develop overall personality with all the support and efforts of our authorities, staff, cultural committee members and students.

Dr. Pralhad S Wagh Co-ordinator, Cultural Association



Cultural Association 2024

Lifelong Learning and Extension

Department of Lifelong Learning and Extension activities at B. N. Bandodkar College of Science, (Autonomous), serve various objectives aimed at enhancing the overall educational experience and fostering community engagement of the students.

Under the DLLE of Mumbai University college has promoted this activity for all the degree college students to inculcate the culture of lifelong learning beyond the traditional classroom setting. This year the various projects carried out by the students were **Vocational Career Oriented Projects**: Career Project, Industry Orientation Project, Anna Poorna Yojana, and **Community Oriented Projects**: Survey Research, Environment Education. Altogether 116 students have participated in these projects and maintained strong ties between the college and the surrounding community. For this purpose, two training sessions were conducted to make the students understand the nature of various projects and some activities were arranged at college level, like blood donation camp in collaboration with Thane Civil Hospital, celebration of Millets Day in collaboration with Food and Drugs Administration, Personality Development Program in collaboration with Whisper Company. Cake making workshop was conducted in collaboration with Ushadevi Management College in their premises. These activities facilitated the collaboration and partnership building between colleges, government agencies and industry partners.

DLLE has provided the students the opportunities for experiential learning, entrepreneurship, leadership development, and personal growth. For the purpose under the **Annapoorna Yojana** projects students arranged the food stalls on Navratri Utsav, Avishkar Research Convention Programme, UDAAN festival and on other normal days.

As part of their commitment to social responsibility and community service **Creek Cleaning Drive** was conducted at **Kolshet Khadi** to remove trash and debris from beach and to change behaviours that causes pollution and to raise awareness on the extent of the marine.

Extension activities under DLLE also offer opportunities for professional development and networking through career and industry-oriented projects where students have worked for 60 hours with some institutes also interviewed the people working in different professions and studied their profession in depth.

To promote the cultural and artistic expression a mega event conducted and hosted by DLLE of the college was the UDAAN festival under the University of Mumbai. In which around 400 students and teachers from 21 colleges which are affiliated to Mumbai University had participated. Various Competitions were organized as part of the festival to focus on skill development areas such as leadership, communication, writing and poster making.

Overall, extension activities under DLLE at the college level play a vital role in bridging the gap between academia and society, enriching the educational experience for students and contributing to the overall well-being and development of the community.

Dr. Ujjwala Gokhe Co-ordinator, DLLE



Green Club

Climate change is affecting agricultural and drinking water availability to a large extent in recent years. 16% of the total drought affected districts in the country are from the state of Maharashtra. The 32 % population of the Maharashtra state is in the age group 15 to 29 and if this young generation is engaged, trained then they will develop the technical and decision making skills to solve the water problem in future. With this objective, The Higher and Technical Education Department, Maharashtra State, UNICEF (Maharashtra), ACWADAM, CEE and WHY WASTE? Bengaluru, are jointly implementing the "Youth Engagement and Stewardship for water conservation" program in the state for the period of three years 2023-2025 by forming Green Club at Colleges. Total 105 students enrolled in the Green Club of our college.

The Green Club began with the activity of **Mega E-waste Collection Drive** during 01/11/2023 to 09/11/2023. Green Club Faculty Coordinators Dr. Kiran Pariya and Dr. Akanksha Shinde with Ms. Anjali Yadav, Mrs. Surabhi Thosar and Mrs. Nilam Nimbalkar coordinated this activity. Around 208 Kg of e-waste is collected and safely disposed through Aqsa Stamping, Andheri, and Mumbai.

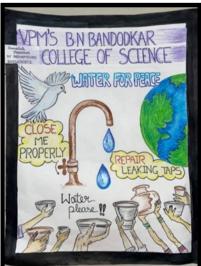
In the second activity, **an orientation lecture** was conducted on 21/12/2023 on the topic of Conservation of water for green club students by Dr. Kiran Pariya.

Students completed the **MYCA certificate** course under the guidance of Dr. Akanksha Shinde. Hard copy of the certificate has been attached to the green club file.

To celebrate **World Water Day, 22 March 2024**, Poster Making competition and Reel/Short Videos making competition was organized on the theme "**Water for Peace**" on 02/03/2024. Students have enthusiastically participated in this activity.



Dr. Kiran Pariya, Dr. Akanksha Shinde, Green Club Faculty Coordinator



World Water Day 22 March 2024 Poster Making Competition



Orientation Lecture

Gymkhana

The Gymkhana committee of VPM's B.N. Bandodkar College of science (Autonomous), Thane (W) has a new internal structure of 16 members for the year 2023-24. It includes Secretary Mr. Kalash Dongare, joint secretary Mr. Jainish Koli & Mr. Dev Jadli, Co-Head Mr. Sarvesh Sadavalkar & Members. The committee had organized Gymkhana inauguration for the academic year 2023-24 on 12th August 2023. Mr. Bhalchandra K. Mandlekar, the coordinator of Gymkhana committee, gave information about Gymkhana's various activities and appealed the students to actively participate in the same.

During this academic year 2023-24 several activities were organized by the Gymkhana such as tournaments for Table-Tennis, Chess, Carrom, Box Cricket, Football, Tug of War as well as Athletics. The college students also actively participated in Intercollegiate Competitions such as Box Cricket, Football, Kabaddi, Kho-Kho, Volley Ball, Chess, Air Rifle Shooting, Judo, Taekwondo, Boxing, Weightlifting, Swimming, Artistic Gymnastic, Cycling, Water polo Fencing and Power Lifting. Our college students showed their great enthusiasm by participating in these activities.

Annual Sports Event was organized by the committee, from 6th December 2023 to 21st December 2023. During this, the sports events including Table-Tennis, Chess, Carrom, Box Cricket, Football, Tug of War Tournaments as well as Athletics were organized by Gymkhana to great response. A total of 438 students from our college participated in these events with great enthusiasm.

Carrom Competition was held by the committee on 7th to 17th December, 2023. The competition received tremendous response from students, with a total count of 178 students (85 Junior college + 93 Degree college). The duration of this competition on these days was 11 am to 5 pm. In between these days, committee arranged Table Tennis tournament as well as chess tournament. There were 298 participants in both the tournaments.

Gymkhana also organized carrom and Table Tennis, Chess Tournament for teaching & non-teaching staff to which there was a great response.

Box Cricket Tournaments were organized by the committee on 6th December, 2023 for the Degree College & on 9th December, 2023 for the Junior College in which 16 teams participated. The Annual Day was organized on 21st December 2023. The committee also organized Football and Tug of war Tournaments in which 12 and 24 teams had participated respectively.

Our students have won many medals at District, Division, State and National level. The students showed great enthusiasm and energy in all the events with great physical and mental balance

Finally, the Gymkhana Prize Distribution Ceremony was held on 3rd February, 2024. The Chief Guests for the ceremony were Mr. Satish V. Jadhav (National Renowned Cyclist) & Mr. Pravinkumar Kulthe (Maharashtra Renowned State Level Cyclist). On this day, all the sports competition winners were felicitated and participants were honored by the guests in presence of I/C Principal of the college Dr. Vinda Manjramkar. Our Principal Announced the General Championship for the year 2023-2024 of Degree College & Junior College.

Mr. B.K.Mandlekar Coordinator, Gymkhana



Appointments:

- SHAILESH RAJESH YADAV appointed as a Senior Under Officer.
- SHUBHAM UMESHKUMAR YADAV appointed as a Junior Under Officer.
- AMOL BALKRISHNA UDUGADE was appointed as a Company Quarter Master Sergeant.

Enrollment Drive:

Enrollment begins in June, with selection based on both physical and mental criteria. Eligible cadets are selected through this process.

NCC Activities:

- The ASC THANE UNIT celebrates Independence Day and Republic Day annually, organizing various programs.
- Cadets actively participate in social initiatives such as blood donation drives, tree plantation campaigns, and events commemorating occasions like Kargil Vijay Diwas, Shahid Diwas, and Yoga Day.
- Engaging in various rallies like the Anti-Drug Rally and Night March further enriches the cadets' experiences.

National Level Camps:

- SUO. SHAILESH RAJESH YADAV attended the All India Thal Sainik Camp (AITSC) in Delhi, 2022.
- JUO. SHUBHAM UMESHKUMAR YADAV participated in the Advance Leadership Camp (ALC) at Chhatrapati Sambhaji Nagar.
- CQMS AMOL BALAKRISHNA UDUGADE joined the Ek Bharat Shresth Bharat (EBSB) camp held at Varanasi (Uttar Pradesh).
- SGT. ABHANG MAHESH DEVALE also participated in the Ek Bharat Shresth Bharat (EBSB) camp held at Varanasi (Uttar Pradesh).
- CDT. ATHARVA SHARAD PAWAR, CDT. JITENDRA RAMPRASAD RASTOGI, and CDT. SHUBHAM KHANDU DATE participated in the Shivaji Trail Trek (STT) held at Kolhapur.
- CDT. AKASH BUDDHISAGAR CHATURVEDI participated in the Basic Leadership Camp (BLC) held at Nagpur.

State Level Camps:

- SGT. RAHUL YADAV, CDT. HARSH DHIVER, CDT. AKSHAT DHONDE, CDT. KUNAL KHARAT, CDT. AKASH CHATURVEDI, and CDT. JITENDRA RASTOGI participated in the Army Attachment Camp (ATC) at Pune.
- CDT. SOUMYARAJ SHINDE, CDT. SARTHAK CHORAMALI, CDT. AKASH CHATURVEDI, and CDT. JITENDRA RASTOGI participated in the Army Attachment Camp (ATC) at Colaba.
- CDT. ATHARV PAWAR attended the Thal Sainik Camp till IGC at Ahmednagar.
- Eight cadets participated in the Army Attachment Camp (ATC) at Pune, while five cadets participated in the ATC at Colaba, totaling to 13 cadets.



Regional Level Camps:

Many cadets represented the ASC THANE UNIT at the Combined Annual Training Camp held at Thane and ASC Thane College Campus.

Noteworthy Achievements:

- SUO. SHAILESH RAJESH YADAV represented the Maharashtra Directorate at the All India Thal Sainik Camp held in Delhi, 2022-23, specifically excelling in Judging Distance and Field Signal (JDFS).
- CAPT. BIPIN DHUMALE attended the All India Republic Day Camp (AIRDC) in Delhi, 2024.

Academic Achievements:

All 10 cadets achieved an 'A' grade in the NCC 'B' certificate exam 2024.

Sr. No.	Event Name	Date	Chief Guest / Resource Person
1.	Indian Army Day	15/01/2023	Sub.Maj. Rajkumar
2.	Republic Day	26/01/2023	Chairman Dr. Vijay Bedekar
3.	Yoga And Well being	12/02/2023	Shri. Umesh Lalit
4.	Bharatratna Lata Mangeshkar Bhavpurna Shradhanjali	10/02/2023	Dr. (Capt.) Moses Kolet
5.	Black Day	14/02/2023	Capt. Bipin Dhumale
6.	Occasion of ChhatrapatiShivaji Maharaj Jayanti	19/02/2023	Dr. (Capt.) Moses Kolet
7.	Anubandh Alumni Association	26/12/2023	Dr. (Capt.) Moses Kolet
8.	Traffic Safety Awareness	07/03/2023	Dr. (Capt.) Moses Kolet
9.	International Woman's Day	08/03/2023	Dr. (Capt.) Moses Kolet
10.	International Day of Clean Air for blue sky	07/09/2023	Raju Jadhav (Scientist)
11.	Cleanliness Campaign Program	10/08/2023	Dr.Prof.Vinda Manjramkar

12.	Cleanliness Campaign Program	11/08/2023	Dr.Prof.Vinda Manjramkar
13.	75th Independence Day of India	15/08/2023	Chairman Dr. Vijay Bedekar
14.	Blood Donation Camp	06/08/2023	Dr.Prof.Vinda Manjramkar
15.	National Anthem singing program	09/08/2023	Indian Army Soldier Havaldar Bhup Singh Havaldar Dk Singh
16.	Har Ghar Tiranga Rally program under Amrit Mahotsav of Independence	10/08/2023	Dr.Prof.Vinda Manjramkar
17.	Puneet Sugar Abhiyan	12/08/2023	Lt. Col. Sudarshan Biswas
18.	Ncc Day	04/11/2023	Capt.Bipin Dhumale
19.	Sea Visit	14/11/2023	Lt. Col. Sudarshan Biswas
20.	Blood Donation	24/11/2023	Dr.Prof. Vinda Manjramkar
21.	Aids Day	01/12/2023	Dr. Kailash Pawar
22.	Puneet Sagar Abhiyan	05/12/2023	Lt. Col. Sudarshan Biswas
23.	Nishchoy Seminar	10/02/2023	Aishwarya M.Singh
24.	Blood Donation	26/12/2023	Capt. Bipin Dhumale
25.	Swachhta Abhiyan	11/01/2024	Capt. Bipin Dhumale
26.	No Hanking Awareness Drive	30/01/2024	Dr. Mahesh Bedekar
27.	Republic Day	26/01/2024	Chairman Dr. Vijay Bedekar
28.	Cleanliness Drive	11/02/2024	Capt. Bipin Dhumale
	The Story of Bravery and Sacrifice of Indian Army.	28/01/2024	Sub.Maj.Hon.capt.Yogendra Singh Yadav

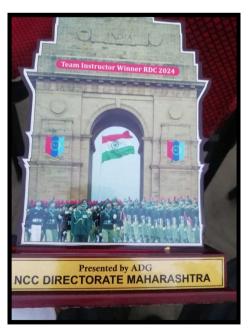


30.	Black Day	14/02/2024	Dr.Prof. Vinda Manjramkar, Capt. Bipin Dhumale
31.	Yuva Utsav	21/02/2024	Dr.Prof. Vinda Manjramkar

Capt. Bipin Dhumale Associate NCC officer







Felicitation by Additional Director General, for Instructor of Best RDC Contingent.
At Maharashtra Directorate office.

National Service Scheme (NSS) Unit

The NSS Unit at VPM's B. N. Bandodkar College of Science has been actively engaging in various activities aimed at fostering community service and personal development and involve NSS volunteers in problem solving exercise to develop a sense of social and civic responsibility among themselves. It also helps to acquire leadership qualities and democratic values for national integration and social harmony. In the academic year 2023-24, 300 students enrolled in NSS and the area adopted for social service were Yeoor hills at Thane, Nere village at Panvel and Kopri at Thane. The projects undertaken for area based projects were Swatchh Bharat Mission, Health, Education and Environment. College level and University level activities were majorly based on the themes given by Government such as Meri Maati Mera Desh, Swatchhata Hi Seva, Ek Bharat Shreshta Bharat, Fit India Campaign, Voter Awareness, etc.

The NSS Unit organized regular blood donation camps, encouraging students and community members to contribute to this noble cause. We have conducted blood donation camps in collaboration with Thane Civil Hospital, Rotary Club, Kai. Wamanrao Oak and Shivsanskruti Samajik Bahudeshiya. Actively participating in national health campaigns, the unit participated in Pulse Polio Drives to promote and facilitate polio immunization, organised by Thane Municipal Corporation, held at various locations such as Thane Railway Station, Thane Bus stop and multiple public vicinities in Thane. Empowering individuals with essential life skills, the NSS Unit conducted self-defence workshops and first aid and common emergency program, in collaboration with Namaste Health Organization ensuring the safety and well-being of participants. Creating awareness about substance abuse, the NSS Unit participated in rallies and seminars to educate and deter individuals from engaging in drug-related activities. Focusing on personal growth, the unit conducted workshops to enhance participants' personality traits and interpersonal skills. Promoting healthy dietary choices, the NSS Unit organized Millet's Mela, in collaboration with IQAC and Food and Drugs Department of India, showcasing the nutritional benefits of millets. Using creative means, the unit conducted a flash mob to raise awareness about tuberculosis and the importance of early detection, organized by Thane Municipal Corporation.

Contributing to environmental conservation, the NSS Unit organized coastal cleanup drives in the Chendani Koliwada Bunder region, removing waste and promoting marine ecosystem health. Taking their commitment of cleanliness to natural landscapes, the unit organized cleanup drives in adopted area Yeoor Hills, preserving the ecological balance. In a concerted effort to address environmental challenges, the NSS Unit participated in mega drives to collect electronic waste, plastic, and old clothes for responsible disposal and recycling, organised by Green Club. Promoting sustainable transportation, the NSS Unit participated in Cycle rally to raise awareness about reducing carbon footprints and embracing eco-friendly commuting options. It was organised by Thane Municipal Corporation. Aligning with cultural festivities, the unit promoted eco-friendly practices by organizing workshop on creating environmentally sustainable Ganesh idols, in collaboration with Paryavaran Dakshata Mandal.

NSS volunteers provided shramdaan at Anantahsram, Yeoor hills for preparation of Diwali faral which was later sold at college food stall generating revenue of Rs. 7315. The amount generated was given back to the villagers. Volunteers participated in Rakhi selling stalls, made by blind students and special children. The total amount of Rs. 11,455/- was generated and given back to them.

Students contributed to Voter ID registration camp organised by Collector office. NSS unit conducted cloth and grain collection drive to help the people affected by Irshalwadi Landslide Disaster. NSS Volunteers actively participated in the district level Mock Youth Parliament held by Nehru Yuva Kendra. In collaboration with the Aga-Khan Agency we organized a 2-days Disaster Management Workshop guided by TDRF team.

NSS Volunteers participated in managing of mega events like Thane Vision, Hindu-Muslim Rakshabandhan Sohala, Pustak Prakashan Sohala etc. Awareness programmes had been organised to address issues including AIDS awareness, social unity, anti-ragging, Voter ID awareness and anti-drug awareness. Other various days were celebrated like Independence Day, NSS Foundation Day, Indian Constitution Day, Republic Day, Yoga Day, National sports Day, Marathi Bhasha Din.

University of Mumbai suggested various programs for NSS volunteers. Volunteers participated in Tree plantation drive at Kolshet, 'Meri Maati, Meri Desh' Pledge and Soil and saplings collection, De-addiction Rally, Bhajan Sandhya, AIDS Rally, Anti drug street play, Lecture on Chhatrapati Shivaji Maharaj, Conference on the problem of Rupee: it's origin, Youth Fest, Guinness World Record receiving ceremony for maximum number of selfies on single theme under Meri Maati Mera Desh Street play on social unity, Disaster Management program. Volunteers engaged in Avishkar program for management, held at VPM's B. N. Bandodkar College of Science (Autonomous), Thane (W).

NSS organized a 7-days residential camp from 27th January 2024 to 2nd February 2024 at Shantivan, Panvel, District Raigad. Through this camp, volunteers engaged in various activities such as educational, cultural and sports. They interacted with senior citizens at Old age homes near Shantivan. They were also engaged with school students through sports and other activities. Students also contributed to cleaning and setting their surroundings as per their requirements and advice of the authority. We also performed a street play in nearby villages, creating an awareness of Social Unity. An eye checkup camp was organized by our NSS unit at Bhangarh Primary school and Old age home. Students and senior citizens benefited by this checkup camp.

NSS Unit has remarkable achievements for the year 2023-2024: In this academic year Secretary of NSS Sanskriti Mourya and Joint Secretary Raunak Mali attended Avhan (State level Training Camp on Disaster Management). Raunak Mali also attended Pre-SRD State Level Selection Camp. Joint Secretary Simran Nishad and Raunak Mali attended District level Nischay Seminar on Competitive Exams. NSS Volunteers Komal Shukla, Vedant Sawant and Swagati Zagade attended District level LTP Camp. Volunteers also secured 2nd position in Anti-Ragging Street Play which was on Intercollegiate level, Constellation Prize in Anti Ragging Street Play which was on district level. NSS Volunteer Sneha Angol attended State level LTP Camp. NSS Volunteers Shashank Vishwakarma and Saloni Mahadik attended District level Solid Waste Management Workshop.

NSS unit always strive hard to inculcate values among students, grooming them to be responsible citizens and carrying human beings at heart.

Ms. Sayali Daptardar Mrs. Umalaxmi Patne Ms. Priyanka Chavhan Program Officer, NSS



Research

Fostering Research Culture: A Comprehensive Overview of the Research Committee's Endeavors at V.P. M'S B. N. Bandodkar College of Science

V.P.M'S B. N. Bandodkar College of Science (Autonomous), Thane, stands as a beacon of educational excellence, dedicated to nurturing a vibrant research culture among its faculty and students. At the heart of this commitment lies the Research Committee, a dynamic entity that spearheads various initiatives to promote research and innovation across all academic disciplines. This report provides a comprehensive overview of the Research Committee's endeavors, highlighting its pivotal role in shaping the institution's research landscape.

Establishment and Evolution: The inception of the Research Committee traces back to the year 2009, following the recommendations of NAAC. Initially conceived as "Science Square," the committee embarked on a mission to cultivate a research-oriented mindset among students and faculty alike. Over the years, it has evolved into a multifaceted entity, driving initiatives aimed at fostering a robust research ecosystem within the college.

Promoting Research Culture: The Research Committee has been instrumental in instilling a research ethos among students through various programs and initiatives. Mini-research projects, a cornerstone of the college's submissions to funding agencies, have facilitated hands-on research experiences for students under the mentorship of dedicated faculty members. By actively engaging students in research endeavors, the committee has succeeded in nurturing a cadre of young researchers equipped with the necessary skills and scientific temperament.

Research Policy and Objectives: Aligned with the institution's vision and mission, the research policy of the college delineates strategic objectives aimed at advancing knowledge creation and dissemination. Emphasizing academic, practical, and social relevance, the policy underscores the college's commitment to contributing meaningfully to the nation's development agenda. Moreover, it seeks to foster a culture of scientific inquiry and research aptitude among all students, thereby laying the groundwork for future scholarly pursuits.

Participation in Academic Events: The Research Committee actively encourages student participation in academic events such as Avishkar, the inter-collegiate research convention organized by the University of Mumbai. In the recent Avishkar 18th Aavishkar, over 30 students from our institution showcased their research prowess across five different categories, reaffirming our commitment to scholarly excellence and knowledge dissemination. Additionally, the committee collaborates with other stakeholders to celebrate National Science Day, honoring the legacy of eminent scientists like Sir C.V. Raman.

Ph.D. Admission and Research Progress Monitoring: In line with its mandate to facilitate advanced research, the Research Committee oversees the Ph.D. admission process and conducts regular progress reviews for ongoing research projects. Personal interviews for Ph.D. admission, coupled with Research Advisory Committee (RAC) meetings, ensure rigorous scrutiny and academic rigor in research pursuits. Faculty members are encouraged to pursue research projects and present proposals to the committee, fostering a culture of continuous learning and knowledge creation.

The Research Committee at V.P. M'S B. N. Bandodkar College of Science takes pride in the publication achievements of its faculty and research scholars, showcasing their scholarly contributions to the academic community.

Through diligent research endeavors, faculty members and research scholars have significantly contributed to the body of knowledge in their respective fields, enhancing the institution's reputation as a hub of scholarly excellence.

National Science Day Celebration

Every year National Science Day of India is celebrated on 28th February in the memory of Late Sir CHRANDRASHEKHARA VENKAT RAMAN who discovered the 'Raman Effect' which received the Nobel Prize in 1930. The theme for National Science Day sets in as 'Indigenous Technologies for Viksit Bharat'. It is not only a memorable day but also an honored tradition among scientists and the academic community of India.

In VPM's B. N. Bandodkar College of Science, Research Committee. The committee jointly organized and celebrated 'National Science Day' on Friday, 28th February 2024 through offline mode. The celebration included a poster presentation session, It was attended by more than 230 students.

The publication achievements underscore the Research Committee's commitment to promoting a vibrant research culture, fostering intellectual growth, and facilitating knowledge dissemination within and beyond the college community.

Thank you to all committee members Dr. Moses Kolet, Prof.Vinda Manjramkar, Prof. Anita Goswami-Gir, Dr. Kiran Pariya, Dr. Ajit Bhumkar, Dr. Sandeep Kahandal, and Dr. Prahlad Wagh for your dedication, expertise, and contributions throughout this process.

Science Square

Report on

Celebration of National Science Day 2024: "Harmony in Science: Blending Tradition

27-28 February, 2024

MINISTRY OF EARTH SCIENCES

and Innovation"

Sponsored by GOVERNMENT OF INDIA

Since 1987, February 28 has been celebrated on a national scale as National Science Day (NSD). It is regarded as one of the largest science celebrations, held in a variety of ways at nationwide and state science institutions, as well as schools and colleges. The remarkable discovery of the well-known phenomenon known as The Raman Effect—the scattering of light by materials—by Indian physicist Sir Chandrasekhara Venkata Raman on this day in 1928 in his laboratory at the Indian Association for Cultivation of Science (IACS), Kolkata, is one of the reasons this day is so significant in the history of science for this discovery he was awarded the Nobel Prize in Physics in 1930.

This was India's first scientific Nobel Prize, and in 2013, the American Chemical Society named this finding an International Historical Landmark. In observance of his discovery, the Indian government, through the Department of Science and Technology (formerly the National Council for Science & Technology Communication), declared this day to be National Science Day. Science and technology departments, along with science and technical councils, organized events across the nation to promote science popularization, highlight the value of science for human welfare and everyday life, and educate the general public about current science and technology issues.

Providing opportunities for the nation's scientifically minded citizens is an additional important objective.

About Organizer:

Vidya Prasarak Mandal (VPM), Thane is an educational trust, established to provide educational facilities to the city of Thane. Starting with a modest beginning in 1935, it has now grown into an educational society that caters to the needs of about 15,000 students in the Thane campus, from kindergarten to post-graduation in different disciplines of science and humanities, including law and polytechnic. Recently, VPM has set up an Engineering college at Velneshwar, Guhagar Taluka, Ratnagiri District, Maharashtra in the rural area. The list of institutions managed by VPM is given below (along with its year of establishment). Most of its institutions are affiliated with Mumbai University.

In 1956, the birth centenary year of Lokmanya Tilak, a young doctor named Dr. V. N. Bedekar from Vile Parle started his practice in Thane. Inspired by Lokmanya's efforts in the academic field, he joined Vidya Prasarak Mandal and soon became its President. He had a dream of creating the "Island of Knowledge" (Janyandweepa) in Thane. Thus, with a singular zeal, exemplary perseverance, and wholehearted support from colleagues, he succeeded in realizing it. Till his death (at the age of 85) he was the guiding light of the institute. After his sad demise, his son Dr. Vijay Bedekar became the President. He is a man of vision. Under his leadership, VPM is a growing tree.

In the view of above, the VPM's B. N. Bandodkar College of Science (Autonomous), Thane is organizing a Two Days National Conference "Harmony in Science: Blending Tradition and Innovation".

On the occasion of National Science Day, we at V.P. M's B. N. Bandodkar College of Science, (Autonomous), Chendani Bunder Road, Thane (W) -400 601 (Affiliated to University of Mumbai) conducted Science Day celebrations in our college as

We have conducted week-long activities which included competitions like Essay writing, Elocution, quizzes, spot painting, PowerPoint presentations, and science project exhibitions for both high school and college students as junior and senior categories. Special talks were arranged. Nearly 350 Students from our participated actively in the events with great enthusiasm.

The Celebration started with the inaugural session, preceded by the national anthem. The Convener, Prof. Vinda Manjramkar I/C Principal welcomed all participants in the inaugural address. The Organizing Secretary, Prof. V M Jamdhade illustrated attention to the necessity of the National Science Day celebration, 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. Dr. Kiran Pariya briefed the gathering on the legacy of Bandodkar College of Science in successfully organizing university, state, and national level scientific events and meets.

In the celebration of National Science Day 2024 with the theme "Harmony in Science: Blending Tradition and Innovation," the participation of esteemed invited speakers played a pivotal role in enriching the experience of students and teachers. The invited speakers, comprising renowned scientists, scholars, and experts from various fields of science and technology, shared their insights, experiences, and knowledge to inspire and educate the audience.

This report aims to highlight the contributions and impact of the invited speakers' sessions during the event, emphasizing their significance in fostering scientific curiosity and promoting technological advancement.

The invited speakers for the National Science Day 2024 event were carefully selected to represent diverse disciplines within science and technology. Each speaker brought forth unique perspectives and expertise, contributing to the holistic understanding of the theme and its relevance in contemporary society.

The sessions conducted by the invited speakers were structured to cover a wide range of topics, including scientific advancements, traditional knowledge systems, innovation, and the integration of science and technology for societal development. The following are the highlights of some key sessions:

Department of Botany Activities:

1. Expert Lectures:

Dr. V.M. Jamdhade, a renowned botanist and expert in environmental sciences, delivered a thought-provoking address to students on the current trends in botany and pressing environmental issues. His session aimed to raise awareness about critical issues such as climate change, water scarcity, conservation efforts, and global challenges affecting our planet. This report summarizes Dr. Jamdhade's insightful discussion, highlighting the significance of addressing these issues and the role of botany in environmental conservation. He inspired students to become proactive agents of change in their communities. Moving forward, it is imperative to translate awareness into action and collaborate across disciplines to tackle environmental challenges effectively.

- 1. A documentary film on Sir C V Raman's life and work was screened.
- 2. Demonstration of science experiments, Lab visit, and exhibition.
- 3. Poster presentation by invited students on the theme of "integrated approach in science and technology for a sustainable future.
- 4. Quiz competition for class F.Y.B.Sc. to M.Sc. Students
- 5. Prize and Certificate distributions vote of thanks, and closing remarks

2.Visit - Stalls/ Exhibitions/food stall-Participated by all departments:

The recent event organized by college students featuring exhibitions and food stalls was a testament to youthful creativity, innovation, and entrepreneurial spirit. the event served as a platform for students to showcase their artistic talents, entrepreneurial skills, and culinary delights. This report provides an overview of the exhibitions and food stalls, highlighting the ingenuity and passion displayed by the participating students.

3.Exhibitions:

The exhibition hall buzzed with energy as students proudly displayed their creations, ranging from paintings and sculptures to photographs and multimedia installations. Each booth reflected the unique perspectives and talents of its creators, offering visitors a diverse array of artistic expressions to explore. The exhibitions provided a glimpse into the creativity and imagination of the next generation of artists and designers, with themes ranging from social justice and environmental sustainability to personal identity and cultural heritage.

4.Student Artworks:

The exhibitions featured a wide range of student artworks, including paintings, drawings, sculptures, ceramics, and digital art, showcasing the depth and diversity of creative talent within the college community.

Interactive Installations: Some booths featured interactive installations and immersive experiences, inviting visitors to engage with the artwork through touch, sound, and movement, fostering a deeper connection and dialogue between the artists and the audience.

5.Emerging Trends:

The exhibitions also provided insights into emerging trends and themes shaping contemporary art and design, from experimental techniques and materials to innovative approaches to storytelling and expression.

6.Food Stalls:

The food stalls at the event were a testament to the culinary skills and entrepreneurial spirit of the college students. From savory snacks to sweet treats, each stall offered a tantalizing selection of homemade dishes and gourmet delights, prepared with passion and creativity. Visitors could savor a variety of flavors and cuisines, from traditional favorites to innovative fusion creations, all crafted with care and attention to detail.

7. Homemade Specialties:

Students showcased their culinary talents by offering homemade specialties such as baked goods, snacks, sandwiches, and beverages, providing a taste of comfort and nostalgia.

8. Sustainable Practices:

Some food stalls emphasized sustainability and ethical sourcing, offering organic, locally sourced ingredients and eco-friendly packaging, reflecting a growing awareness of environmental issues among young entrepreneurs.

9.Entrepreneurial Endeavors:

The food stalls also highlighted the entrepreneurial spirit of the students, with some participants using the event as an opportunity to test new business ideas, build customer relationships, and gain real-world experience in the food industry.



Dr.V.M. Jamdhade Coordinator Research Committee & Professor and Head Department of Botany





Creation of the Committee:

The Institution has always been keen on the overall development of the teaching and non-teaching staff and abides by their welfare. Staff Welfare Committee aims for the overall development of staff members by applying different welfare schemes. This committee works for the benefit and welfare of all staff and provides a channel to interact with each other.

Aim:

The aim of a college staff welfare committee is typically to promote the well-being and satisfaction of the college staff members. This committee is responsible for addressing various aspects of staff welfare, including physical, mental, and emotional health, as well as professional development and workplace satisfaction.

Objectives:

- 1. To look after the needs of the staff to maintain their high morale
- 2. To ensure a favorable working environment for members of the staff
- 3. To coordinate benevolent facilities for the members of the staff
- 4. To plan for general welfare activities for, teaching and administrative staff
- 5. To felicitate the staff on the recipient of special achievements.
- 6. To facilitate the all-round development of the staff for the progress of the college.
- 7. To render a bond of solidarity among the staff.
- 8. To foster healthy relationships and ambiance among the staff.

The Staff Academy Welfare Committee is pleased to present its annual report for the academic year 2023-2024. The committee has diligently worked towards promoting the well-being and satisfaction of the staff members at Staff Academy.

Functions Organized:

Throughout the academic year, the Staff Academy Welfare Committee organized various events and functions aimed at fostering a supportive and enriching environment for our esteemed staff members. Notable among these were two functions arranged to honor the retirement of Dr. M.J. Kolet, Dr. M. Saha, and Dr. Sudesh Rathod who are valued members of our academic community. These functions served as a platform to express our gratitude for their dedicated service and contributions to Staff Academy.

The retirement function for Dr. M.J. Kolet and Dr. Sudesh Rathod was a heartfelt occasion dedicated to recognizing his years of service and dedication to Staff Academy. Colleagues, friends, and well-wishers came together to convey their gratitude and appreciation for Dr. Rathod's invaluable contributions. The function included speeches, testimonials, and a symbolic gesture to commemorate his outstanding career.

Retirement Acknowledgment:

In addition to Dr. M.J. Kolet, Dr. M. Saha, and Dr. Sudesh Rathod, we also extend our best wishes to the three staff members who retired this academic year. Their collective years of service and commitment have left a lasting impact on Staff Academy, and their presence will be greatly missed. We express our sincere gratitude for their hard work and dedication over the years.

The Staff Academy Welfare Committee remains committed to promoting the well-being and welfare of our staff members. As we reflect on the past year, we acknowledge the contributions of all our retiring staff members and express our gratitude for their service. Looking ahead, we will continue to organize events and initiatives that uphold our commitment to supporting and enhancing the lives of our staff members.

Thank you to all committee members Kadambari Manjrekar, Dr. Akanksha Shinde, Mrs. Vazarkar, Ms. Madhuri Shiudkar, and MS. Priyanka Koli for your dedication, expertise, and contributions throughout this process.

Calendar

The Calendar Committee, entrusted with the responsibility of crafting and implementing the academic calendar, plays a pivotal role in ensuring the smooth functioning of academic activities and extracurricular events within educational institutions.

During term 1, the Calendar Committee diligently crafted a schedule for examinations, considering academic imperatives and affording students ample preparation time.

Term-2 Club Function Slot - In anticipation of term-2 activities, the Calendar Committee allocated a dedicated slot for club functions to ensure a balanced integration of academic and extracurricular pursuits.

Thank you to all committee members Mr. Bhalchandra Mandlekar, Dr. Sangita Meshram, and Dr.Prahlad Wagh for your dedication, expertise, and contributions throughout this process.

Unfair Means

The Unfair Means Committee plays a crucial role in upholding the integrity and fairness of examinations within the university. It operates by the established rules and regulations, aiming to promote academic honesty and deter any forms of cheating or misconduct.

Incident Overview:

Throughout the academic year 2023-2024, the Unfair Means Committee received reports regarding various forms of academic misconduct during examinations. These incidents ranged from unauthorized aid to collusion and impersonation. Each reported case was thoroughly investigated to determine its validity and severity.

Investigation Process:

Upon receiving a report of academic misconduct, the Unfair Means Committee initiated an investigation following a standard procedure. This process involved gathering evidence, conducting interviews with relevant parties, and analyzing examination materials. The committee ensured fairness and impartiality in its investigations, allowing every accused student to present their case.

Findings:

The investigations conducted by the Unfair Means Committee revealed numerous instances of academic misconduct.



These findings included:

- 1. **Unauthorized Aids:** Some students were found in possession of unauthorized materials during examinations, such as notes, electronic devices, or communication devices.
- 2. **Collusion:** Instances of students collaborating or sharing answers during examinations were identified, violating academic integrity policies.
- 3. Actions Taken: By university rules and regulations, the Unfair Means Committee took appropriate actions to address the reported incidents of academic misconduct.

These actions included:

- Issuing warnings and reprimands to students found guilty of minor offenses, emphasizing the importance of academic integrity.
- Imposing penalties such as grade deductions, course failures, or suspension for more severe cases of academic misconduct, serves as a deterrent for future violations.
- Providing guidance and support to students to prevent the recurrence of academic misconduct and promote ethical academic practices.
- Implementing stricter proctoring measures and examination protocols to minimize opportunities for cheating or unfair means in the future.

Recommendations:

In light of the findings and actions taken during the academic year 2023-2024, the Unfair Means Committee recommends:

- Strengthening educational initiatives and resources to raise awareness about academic integrity and proper citation practices among students.
- Enhancing monitoring and surveillance measures during examinations to detect and deter instances of cheating or unfair means effectively.
- Reviewing and updating university policies and procedures related to academic misconduct to ensure clarity, consistency, and effectiveness in enforcement.
- · By implementing these recommendations and maintaining vigilance in addressing academic misconduct, the university can uphold its commitment to excellence and integrity in education.

Thank you to all committee members Prof. Anita Goswami-Giri, Minal Wankhede, Sudhir Bhosale, and Dr.Kalpita Muley for your dedication, expertise, and contributions throughout this process.

Dr.V.M. Jamdhade Coordinator Unfair means Committee & Professor and Head Department of Botany



Women Development Cell

Guest Lecture on Criminal Law (09/11/2023)

Women Development Cell of B. N. Bandodkar college of Science (Autonomous) had arranged a lecture on Criminal Law at Patanjali auditorium on November 09, 2023. Advocate Tushar Dubey, a renowned lawyer was invited to deliver a talk related to criminal law and the punishments associated with the criminal cases.

Advocate Tushar Dubey explained various criminal cases and answers many of the queries that students asked during the lecture. Explaining the criminal law, he said that criminal law is only one of the devices by which organized societies protect the security and ensure the survival of the group. He also explained various principles of criminal laws with many examples.

Thirteen faculty members along with eighty students of FYBSc, SYBSc and TYBSc attended the program. The program was well organized with the NSS volunteers along with NSS program officer, Mrs Sayali Daptardar. WDC members Dr. (Mrs) Anita Gosvami-Giri, Dr. Ujwala Gokhe , Mrs. Minal Wankhede took efforts to make the program a grand success.

Report: 09 March 2024

Women Development Cell of B. N. Bandodkar college of Science had organized a workshop for teaching and Non-teaching ladies staff of the college on "Being Superwoman" on the occasion of International Women's Day. Around fifty teaching and Non-teaching staff participated actively in the workshop arranged by the team of Edify Labs and sponsored by MIRAE asset management.

Team leader Mrs. Mrunal Patgaonkar enthusiastically conducted the entire workshop on the challenges of being Superwoman. The active participation of the participants helped them realized how every corner of life needs to be looked at smartly in order to balance the work and family life. The success of a woman lies in the overall management of work and family life balance.

The main objective of the workshop was to empower working female professionals to win both aspects of their life (work and family). MIRAE asset management leader delivered a talk regarding the investment and asset management which was very much helpful for the audience.

Principal Dr. (Mrs) Vinda Manjramkar, Dr. (Mrs) Sangita Meshram, Dr. (Mrs) Urmila Kumavat, Dr. (Mrs) Anita Gosvami-Giri, Librarian Mrs Kadambari Kadrekar, Mrs. Sumaiya Sheikh, NSS program officers, Mrs. Sayali Daptardar, Mrs. Umalaxmi Patne, Ms Priyanka Chavhan and many other teaching staff were present during the session.

The program concluded with vote of thanks by Mrs. Minal Wankhede (WDC coordinator) and a concluding cake cutting party organized by Dr. V.M Jamdhade, Mr. Bhalchandra Mandlekar and Mr. Sudhir Bhosale.

Mrs. Minal Wankhede Coordinator, Women Development Cell



यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ अभ्यासक्रम

ग्रंथालय आणि माहितीशास्त्र निष्णांत अभ्यासक्रम , ग्रंथालय व माहितीशास्त्र पदवी अभ्यासक्रम आणि वृत्तपत्रविद्या आणि जनसंज्ञापन पदिवका या अभ्यासक्रमाचे उदघाटनपर सत्र १६ सप्टेंबर २०२३ रोजी पतंजली सभागृहात संपन्न झाले. यावेळी समंत्रक श्री पंकज गोडसे, ग्रंथपाल, हिंदुजा व्यवस्थापन महाविद्यालय, मुंबई यांनी उदघाटनपर भाषण केले. केंद्रसंयोजिका सौ. कादंबरी मांजरेकर यांनी विद्यार्थ्यांना या अभ्यासक्रमाचे महत्व आणि नोकरीच्या संधी याबद्दल मार्गदर्शन केले

यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठाच्या विविध अभ्यासक्रमांकरता खालीलप्रमाणे नोंदणी झाली.

अभ्यासक्रम	विद्यार्थी संख्या
ग्रंथालय आणि माहितीशास्त्र निष्णांत अभ्यासक्रम	२९
ग्रंथालय व माहितीशास्त्र पदवी अभ्यासक्रम	१७
वृत्तपत्रविद्या आणि जनसंज्ञापन पदविका अभ्यासक्रम	٥٧
प्रथम वर्ष बॅचलर ऑफ कॉम्प्युटर ऍप्लिकेशन (बी.सी.ए)	११
द्वितीय वर्ष बॅचलर ऑफ कॉम्प्युटर ऍप्लिकेशन (बी.सी.ए)	૦૫
तृतीय वर्ष बॅचलर ऑफ कॉम्प्युटर ऍप्लिकेशन (बी.सी.ए)	०९
तृतीय वर्ष मास्टर ऑफ कम्प्युटर एप्लिकेशन्स (एम.सी.ए)	१०

१५ ऑक्टोबर २०२३ वाचन प्रेरणा दिवस साजरा करण्यात आला. यावेळी डॉ ए पी जे अब्दुल कलाम यांच्या प्रतिमेस पुष्पहार अर्पण करण्यात आला. तसेच त्यांच्या वरील पुस्तकांचे प्रदर्शन भरविण्यात आले होते. ग्रंथालय आणि माहितीशास्त्र निष्णात अभ्यासक्रमाच्या विदयार्थ्यांनी "मला आवडलेले पुस्तक" याबद्दल आपले विचार मांडले. ६ विविध पुस्तकांचा परिचय या उपक्रमाअंतर्गत करून दिला. ग्रंथपाल सौ कादंबरी मांजरेकर यांनी पुस्तक परिचयाचे महत्व विदयार्थ्यांना पटवून दिले.

ग्रंथालय आणि माहितीशास्त्र निष्णांत या अभ्यासक्रमाचे २०२३-२०२४या शैक्षणिक वर्षाचे शिबीर दि.२३.०१.२०२४ ते २५.०१.२०२४ या दिवशी पार पडले. सकाळी ९.०० ते सायंकाळी ६.०० या वेळेत शिबिराचे आयोजन करण्यात आले होते. दि.२३ जानेवारी २०२३ रोजी सकाळी ०९.०० वाजता या शिबिराचे उद्घाटन शिबीर तज्ञ डॉ.वीणा ठाकरे, ग्रंथपाल रुईया महाविद्यालय,माटुंगा, व श्री.भूपेंद्र बनसोड, ग्रंथपाल, पी.व्ही.डी.टी. महाविद्यालय,मुंबई व प्रमुख पाहुणे प्रा.नारायण बारसे, ग्रंथपाल,जोशी-बेडेकर कला,वाणिज्य महाविद्यालय,ठाणे व केंद्रसंयोजक सौ. कादंबरी मांजरेकर यांच्या हस्ते झाले.

या शिबिरासाठी बा.ना.बांदोडकर अभ्यासकेंद्राचे एकूण २७ विद्यार्थी पूर्णवेळ उपस्थित होते. या शिबिरामध्ये २७ विद्यार्थ्यांनी प्रकल्प आराखडे व शोधनिबंध सदर केले. तज्ञमार्गदर्शकांच्या सुचनेनुसार २७ विद्यार्थ्यांचे प्रकल्प आराखडे मंजूर झाले. या शिबिराची सांगता दि.२५.०१.२०२४ रोजी दुपारी ०४.०० वाजता झाली. या कार्यक्रमासाठी शिबीर तज्ञ डॉ.वीणा ठाकरे, श्री.भूपेंद्र बनसोड व प्रा.नारायण बारसे व डॉ. विंदा मांजरमकर आदी मान्यवर उपस्थित होते. या कार्यक्रमाचे सूत्रसंचालन एम.लिब. अभ्यासक्रमाची विद्यार्थिनीसौ. वृषाली पाटील. यांनी केले. निलम कदम, अरुणा जाधव, सोहम झगडे या विद्यार्थ्यांनी आपले मनोगत व्यक्त केले व आभार प्रदर्शन कुंजन शिंदे हिने केले. यावेळी दोन्ही तज्ञ मार्गदर्शक व प्रा.नारायण बारसे, केंद्रसंयोजिका सौ. कादंबरी मांजरेकर व प्राचार्य डॉ. विंदा मांजरमकर यांनी मार्गदर्शनपर भाषण केले. राष्ट्रगीताने या शिबिराची सांगता झाली.

सौ. कादंबरी मांजरेकर केंद्रसंयोजिका



Yoga

The Yoga committee provides yoga training free of cost to the students and staff of this college (and other institutes of Vidya Prasarak Mandal) in collaboration with Shri Nikam Guruji's Shri Ambika Yog Kutir, Thane.

Yoga class was started from the academic year 2000 - 2001 in collaboration with Shri Ambika Yog Kutir, Thane under the guidance ofMr. M.H. Dixit Sir & Dr. R.P. Athlaye Sir.

We celebrated International Yoga Day on on 21st June 2023 in collaboration with Ambika Yog Kutir, Thane. All together 160 participants attended this session. 04 yog teachers from the kutir guided the participant during the session.

Shri. Ramachandra Surveji, Secretary of Shri Ambika Yog Kutir, Thane and the yoga teachers of Kutir extended their excellent co-operation to teach a 3 month certificate course. The training is given once in a week for 2 hours duration. The course is completed in 8 to 10 days training. This yoga course was conducted for FYJC Students of B.N.Bandodkar College for the academic year 2023-2024 in patanjali Yog Kendra. The duration of the course was from 25th Sept 2023 to 12th Dec.2023. 480 students were involved in this course. Certificates will be awarded to the students successfully completing the course. Neti workshop will be conducted for FYJC Students in the month of April 2024 under the guidance Mrs. S.D. Pimpre & Dr. (Mrs.) D.D.Ladhe.

The yoga package designed by Shri Nikam Guruji is useful to prevent sickness and has ability even to cure different ailments of body and mind. I appeal the students and staff to learn and practice yoga for total health.

In future, we are planning to conduct different workshops in yoga on Shuddhi Kriya, Neti and Suryanamaskar for Students, Teaching & Non-teaching Staff of Vidya Prasarak Mandal.

The Committee extendS its sincere thanks to Shri Ambika Yog Kutir, VPM Management, I/C Principal Dr. Vinda Manjramkar, teaching and non-teaching staff for their excellent co-operation.

Mrs. Shubhangi D.Pimpre Coordinator, Yoga Committee





CULTURAL ACTIVITIES



Cultural Committee Inauguration 2023-24



Aakanksha Fest Inauguration 2023-24



Aakanksha Fest 2023-24









Youth Festival 2023-24



Cultural Association 2023-24



















Performances by Students & Teachers at Aakanksha Fest 2023-24

Gymkhana Sports Achivements



Ms. Prachi Aher **Gold Medal Fencing** DS0



Ms. Rishita Arenkeri **Selected for Division Level Kickboxing**



Ms. Amruta P Thombre Silver Medal Interzonal **Wrestling Competition**



Mr. Sujal Khutwad **Gold Medal Wrestling**



Ms. Samiksha Salunkhe 4th Place Chess Tounament DS0



Ms. Fariha Sheikh **Lawn Tennis Bronze** DS0



Mr. Pranay Rakhade 3rd Place Shotput DS0



Mr. Vaishnavi Pravin Virkar 3rd Place Kickboxing, DS0



Ms. Dipali Pankar 3rd Place Athletic 400M DS₀



Mr. Aryan Phalke Silver Medal Carrom DS₀



Mr. Pratamesh Mhatre Third place 200 mtr run



Mr. Rohan Dalvi Selected for Intercollegiate **Cricket Team Selection**



Ms. Neha S Pawar Silver Medal In Interzonal Weight Lifting



Mr. Hrushikesh Bedse Gold Medalist Taekwondo DSO



Bronze Medal Powerlifting Competition



Ms. Khushi Swarn **Zonal Level Participation in** Carrom DSO



Mr. Harshad S Pawar Silver Medal In MU Boxing **Tournament**



Mr. Paramveer D Singh Gold Medal In MU Boxing **Tournament**



Mr. Malhar Bhosale 3rd Place in Boxing



Mr. Harsh Sachin Tajane Silver medalist intercollegiate **Boxing**



Mr. Om Raju Patil Silver Medal Intercollegiate **Taekwondo Competition**



Mr. Vipul Shinde **Bronze Medal In Boxing**



Ms. Sakshi Lokhande 1st Place in Boxing Intercollegiate 3rd Place Taekwondo Zonal

Collage Credit: Mr. Jainish J. Koli

NCC ACTIVITIES









CYCLE RIDE

CLEANLINESS DRIVE







ASHADHI EKADASHI VARI

ARMY DAY









BLOOD DONATION

BLACK DAY

MARATHI BHASHA DIVAS



Aashadhi Ekadashi Cultural Dance



Raksha Bandan Celebration



Stationary Collection Drive



Gyanshala



7 Days Pulse Polio Drive



Fitness Fiesta



Self Defence Workshop



NSS ACTIVITIES



TB Awareness Flashmob



Creating Business Opportunities Through DiwaliFaral For An **Adopted Village**







Meri Mati Mera Desh



Bloood Donation Camp



Voter ID Awareness Program



Shramdam At 7 Days Residential Camp



Independence Day

Promising Careers



Botany as Startup based Opportunities

Plant science is the branch of science where people directly or indirectly enjoy their valuable time with beautiful flowers, fresh fruits and vegetables, medicinal plants, horticulture and gardening and value added products along with their specializations. Nowadays people need inexpensive happiness and a valuable healthy life, chemical free food and pollution free environment. All these can be achieved by using plant science knowledge. As per ongoing trend of the Indian Government, learners must know about startup concepts. The word "startup" is heard by everyone in the last few years. More and more individuals are interested in becoming entrepreneurs or wish to open their own business. Startup is an unspecified young entrepreneur at an early stage of operations. As many startups solve society's needs, they attract investors and funders because of the tremendous growth opportunities. Their primary aim is to answer market demand by creating new and innovative goods and services. As per government norms, Business who have been on the market for less than 3 years, however, this is not true. That is, one company. You can have 7 years and is still a can be possible online registration by using www.startupindia.gov.in/ Toll free number 1800 115 565.

Nowadays fresh flowers are tremendously used in all ceremonies and religious festivals. The floral arrangement is an art and creativity, giving one kind of business opportunities. Whereas, horticulture and gardening not only increases the beauty of the site but also gives a high amount of oxygen so that helping us become happier and more active. Such horticulture therapy will be a remedy for special diseases. Maintaining a home garden you will not only get fresh air but also dust free flooring and the happiest family. Ultimately increases the beauty of your home and absorbs all kinds of home cleaner's harmful chemicals. Even eco-friendly bio-enzymes would be replaced by harmful home cleaner's. It is not only a good source of money earning but also minimizes harmful chemicals in landfill. Such kind of eco-friendly bio-enzymes were prepared simply by using fruit peels instead of it thrown. Organic bio-fertilizers and bio-pesticides are another source. They will improve soil health. It also provides fresh and regularly chemical free fruits and vegetables to your family. All such fruits and vegetables were more nutritional as compared to market one

Post harvest technology is mainly concerned with the principles and practices of handling, packing and processing of harvested crops to increase their storage life and availability. This branch of plant science mainly care after harvesting of crop and giving as startup about value added various products such as jam, jelly, pickles, fruit leather, floral teas, syrup (sharbat) and squash, crystal/ candied fruits, gulkand, preserved fruits and vegetables, essences/ mosquito repellent sticks/ doops, dry and fresh floral arrangements with floral jewelry, resin art, pot pourri, corsages, rose water and perfumes, organic colours etc. about such field people were lack of particular knowledge. One can understand eggs are handled in the egg trays whereas our tomatoes are transported in the 10kg plastic carets. So it's a small kind of management. Think about are they healthy and firm when we purchase from the local market, ultimately not all of them consumable. Fruits & vegetables are rich with nutrients. They must be in everyone's diet. However they become perishable. According to the Food & Agriculture Organization (FAO) every year 1.3 billion tons of food gets thrown away due to only unsold reasons and up to 60% of all fruits & vegetables reach into a landfill per year. India is not only the second largest producer

of fresh fruits and vegetables but also wastes it! Here clearly getting a message to everyone must think at unit level (family) and try to avoid fresh foods must not waste. All such food contains plenty of antioxidants that keep you away from carcinogenic disease. Hence, our moral responsibility to care little about horticulture produces as a human being. All such value added products achieved local as well as abroad markets.

Medicinal plants play a role in the formulation of various drugs. The synthetic drugs were harmful to us after their some limits. Whereas perfumes having much more demand all over the world. Usually they were adulterated with chemicals and somewhere harmful to us. Pure aromatic plants based perfumes are always better than chemicals. Cosmetic's formulations rosewater plays an important role. Perfumes are also used in the candle and bathing soap making industry. Candles beauty will be enhanced by using dry flowers. Pot pourri usually prepared from dry fragment plant materials used to provide a gentle natural scent in houses. A corsage is a small arrangement of flowers typically worn by women on specialoccasions such as an anniversary celebration. The floral jewelry very popular among brides especially in metropolitan cities on mehndi (Henna event of marriage due its good looking on matching to dress and light in weight, it is very continents use and there no chances of jewelry theft. Garlands, resin/floral bangles, crowns, earrings, gajara, veni and broachhair decoration are to be equally important as bio jewelry). On occasion of events ecofriendly floral rangoli much more popularized. On the other hand aromatic products year around demand in the market. Synthetic room freshener will be replaced by aromatic plants. Making incense sticks were large quantities of perfumes used. It also enhances our mood and happiness. Usually perfumes isolated by using simple distillation method.

Another important more demand is organic dyes. Flowers usually possess valuable pigments which can isolated and used for varied applications including dying the fabric and paper. Dyes also having more important in our daily life as every food items are coloured and flavoured. But unfortunately will be synthetic and carcinogenic.

The market is already well established as a cottage industry of jam, jelly, pickles, gulkand and various beverages, preserved fruits and vegetables etc. all these value added products captured local as well as abroad markets. It is a good source of empowerment among the villagers where large quantities of unemployment are reported. Their training is conducted by ICAR, New Delhi and Horticulture Board of India. As per today's trend all these must be replaced by organic horticulture products. Because organic horticulture products reported more shelf life as compared to adding harmful chemicals. Hence ultimately stop use of such carcinogenic chemicals. Nowadays pigmented fruits and vegetables are more in demand in the market to enhance facial skin texture and tone as beautification.

Floral Resin art is the last decade's trend in the plant science of dry flower arrangement like letter art, jewelry and special gifts (wedding garlands) will be preserved by using it. Such antic items of resin arts all year demand in the market due to more of its variants and shelf life. Bengals are to be an easy making option for it. On the other hand key-chains are so popularized in the market because of the water proof material used. Such products will be prepared by using casting resin for all kinds of purposes, including preserving flowers. Preserving flowers in resin is a great way to enjoy the beauty of a flower for many years. The clear resin is used to protect the flower, and display it through all kinds of objects and functions. Interested in preserving flowers in resin yourself? This is an incredibly rewarding craft that can easily be done at home. After taking proper knowledge of it, anyone can also open

their classes to train other interested people. It is totally skill based to generate empowerment among the society.

After successful completion of a B.Sc. programme in Botany or Plant science, the learners dealt with all these topics and can opt for the choice to start any one suitable startup as a career.

Dr. Mohan Galande Department of Botany

"Career Melava"for Junior college students

Our college conducted a "Career Melava "for Junior college students on 28th November 2023. Many prominent personalities and organizations guided our students on that occasion with their Presentations. The program started at 9:00 a.m, Principal addressed the students regarding the Career Melava. The first speaker was Mr. Rajesh Gadgil who had given valuable guidance about Real Estate. The Next speaker was Mr. Sunil Nanodkar, Air vice Marshal, addressed the students online regarding various opportunities and how to opt for a Career in Defence. Mr. Suhas Patil had given his presentation on competitive exams. Captain Chandrashekhar guided the students regarding various Defense services and his one of the main focus was encouraging girls to opt for Defence services. Mr. Samuel Daniel had come up with a Career in Medical representative through learning and lastly Mr. Mahadev Jagtap had given a brief idea regarding how to prepare for MPSC and UPSC from scratch and Sir also arranged the visit to C.D. Deshmukh Sabhagruha Vartak nagar Thane . As per the feedback from the students the Career Melava was helpful for them.

Mr. Sunil Bhusara Career Melava Coordinator



Pursuing a career in Clinical Psychology

What is clinical Psychology?

Clinical psychology is largest and widely known branch of psychology. It basically focuses on various mental disorders, its diagnosis, assessments, and treatment. Clinical psychology is a comprehensive study of mental and behavioral conditions in individuals of various ages and backgrounds.

Clinical psychologists treat both mental and behavioral health conditions for individuals, couples and sometimes groups of people. They also conduct research in the area of mental and behavioral health and often publish that research.

What Qualifications are required?

Bachelors in Psychology: First you need to complete as B.A. or B.Sc. degree with a specialization in psychology.

Masters in Clinical Psychology: After completing under graduation, you need to pursue M.A. or M.Sc. in Clinical Psychology. For this Bachelor's in Psychology is required but there are few colleges or universities which allow any undergraduate degree student to pursue postgraduation in clinical Psychology.

Getting Practice Licence: To practice as a clinical psychologist, you need to get RCI licence by doing courses offered by Rehabilitation council of India. Some people also pursue PhD and do practice but they will not be called as clinical psychologists and they cannot give diagnosis for patient.

What do clinical Psychologists do?

Clinical psychologists often work in hospitals, private practice, academics or researches. They generally deal with emotional issues, substance related problems, severe mental disorders, trauma, cognitive problems, and developmental problems.

In hospitals or private practice, they conduct clinical interviews, take case history, give assessments, diagnosis and treatment. They generally use various psychotherapies and few counselling techniques but they cannot give medications. Medications are prescribed by a psychiatrist who is MD.

Clinical psychologists also work with groups and communities to address or prevent problems and mediate in organizations, institutions, and communities to improve people's efficiency and well-being.

In academics and research, they work as a faculty for psychology, work on various research projects and can also do private consultation.

Few psychologists may work using some specific therapy like cognitive behaviour therapy, psychoanalysis or with some specific type of population for example, children or anxiety disorders etc.

Mrs. Jui Pimple
Assistant Professor,
Department of Human Science & Clinical Psychology

Career Opportunities in Statistics

Karl Pearson, the father of Statistics, once famously said, "Statistics is the Grammar of Science."

The demand for statisticians is increasing day by day, with the growth and popularity of India in the business world. Almost all scientific fields use statistics to determine the latest trends, patterns, and behaviors of demographics on a macro scale. A career as a statistician is considered one of the fastest-growing careers, as per the Bureau of Labour Statistics, it is expected to see a rise of approx. 33% by 2026 along with a rise in the jobs in this sector by 7.4%.

Statisticians study science by using a huge amount of data/ information to draw inferences, make decisions, and policies, and report a conclusion. They carried out the research by collecting authentic data, organizing the data, analyzing and interpreting, and reporting conclusions. Statisticians use statistical analysis and techniques and apply them to several fields or issues, like the environment, public safety, health care, sports actuarial science, etc. Statistical tools also aid nations and companies in formulating their policies.

The trained statisticians acquire skills like data mining, forecasting, predictive modeling, and parametric estimations. These skills work together to help the statistician arrive at a clear conclusion or coherent prediction. Pursuing statistics as a career option demands the following skillset

- Mathematical Abilities
- · Analytical thinking
- Problem-Solving
- Drafting reports for non-statistics background persons.
- Familiarity with Algorithms
- Machine Learning
- Business Understanding

A wide array of computer skills, including programming languages (SPSS, SAS, Python, C++, C, SQL, Hive, Perl, Java).

An individual who wants to pursue a career in the statistics field must develop analytical thinking and mathematics reasoning at an early age.

Descriptive Statistics: It helps to understand the composition of the data, through numerical and graphical representation.

Inferential Statistics: It helps to analyze the data which is collected from the population to draw inferences about the characteristics and attributes

Courses and Degrees:

Many Bachelor, Masters, Doctoral, and other certificate and Diploma programs like BSc in Statistics, BSc in Applied Statistics, BSc in Actuarial Science, BSc in Data Science, MSc in Statistics, and MSc in Data Science. MSc in Data Analytics, MSc in

Applied Statistics, Certificate Course in Data analysis, Certificate Course in Data Science, Post Graduate Diploma course in Applied Statistics, etc. are available in statistics both in India and overseas. Renowned institutions like the Indian Statistical Institute (ISI), Indian Institute of Technology (IIT), and other reputed institutes, and universities provide courses and degrees in statistics.

Career Opportunities/Job profiles are available in statistics fields:

Nowadays statistics have a high demand in the market, therefore there are ample opportunities available in government as well as in the private sector for an experienced person as well for the freshers, the following are some emerging domain which provides tremendous explore with good salary packages

- **1.Actuarial analyst:** An actuarial analyst, understands and uses complex statistical models, to analyze the data and make predictions about future events like death rates, investment returns, etc., and also assess the risk. In India, the average salary of the actuarial analyst is approx. ₹ 7 lakh per annum.
- **2.Actuary:** An actuary performs the task and uses mathematical modeling techniques and statistical concepts to determine probability and assess risks. These professionals manage financial risks and liabilities for organizations. Their responsibilities include risk management, financial modeling, product pricing, peer reviews, valuations, etc. The average actuary salary in India is ₹ 10.11 lakh per annum.
- **3.Data analyst:** Data Analysts are in high demand and applicable across a range of sectors, including finance, medical, pharmacy, consulting, education, government, and science, etc. This role requires advanced mathematical/ statistical and problem-solving skills. The average salary for a data analyst is ₹10 lakh per year in India.
- **4.Data scientist:** Data Scientists usually deal with big data. Organizations may use large amounts of data, and data scientists turn this data into information using algorithms and machine learning. Data Science is a multi-disciplinary field containing elements from: Statistics, Information technology, Operational research, Optimisation, and Mathematics. The average salary for a data analyst is ₹12 lakh per year in India.
- **5.Financial risk analyst:** The financial risk analyst's role play is to identify and analyze the areas of risk assets, earning capacity, and commercial, or public sectors. They are responsible for predicting change and future trends, as well as fore-costing costs to the organization. Skills required are strong numeracy, analytical and strategy skills good research skills, planning and organizational skills, and problem-solving ability. The average salary for a Financial Analyst is ₹5.9 lakh per year in India.
- **6.Operational researcher:** People working in this role operate, and use mathematical and analytical techniques to develop better business systems or models. For example, they may look at ways of improving air traffic control processes, measuring player performance in 1. sports teams, or modeling the behavior of retail customers. The average salary for an Operational Research Analyst is ₹5.7 lakh per year in India.
- **7.Business analysts:** Business analysts help an organization achieve its goals by analyzing data, assessing processes and systems, creating solutions, and planning for the future. Skills required are excellent analytical skills and an informed, evidence-based approach, a strong interest in business and business development, and a good understanding of information technology. The average salary for a Business Analyst is ₹7.95 lakh per year in India

8.Biostatistics and Medical Statistics: Biostatisticians are statisticians working in the field of health and health research. There are two main scopes of implementation with biostatisticians working on clinical research projects and public health research projects. Statistical analysis can vary greatly in complexity. Some projects can be handled through standard statistical methods and software. Other projects may require methodological development and research on the part of the statistician and the development of computer programs. There are also several government job

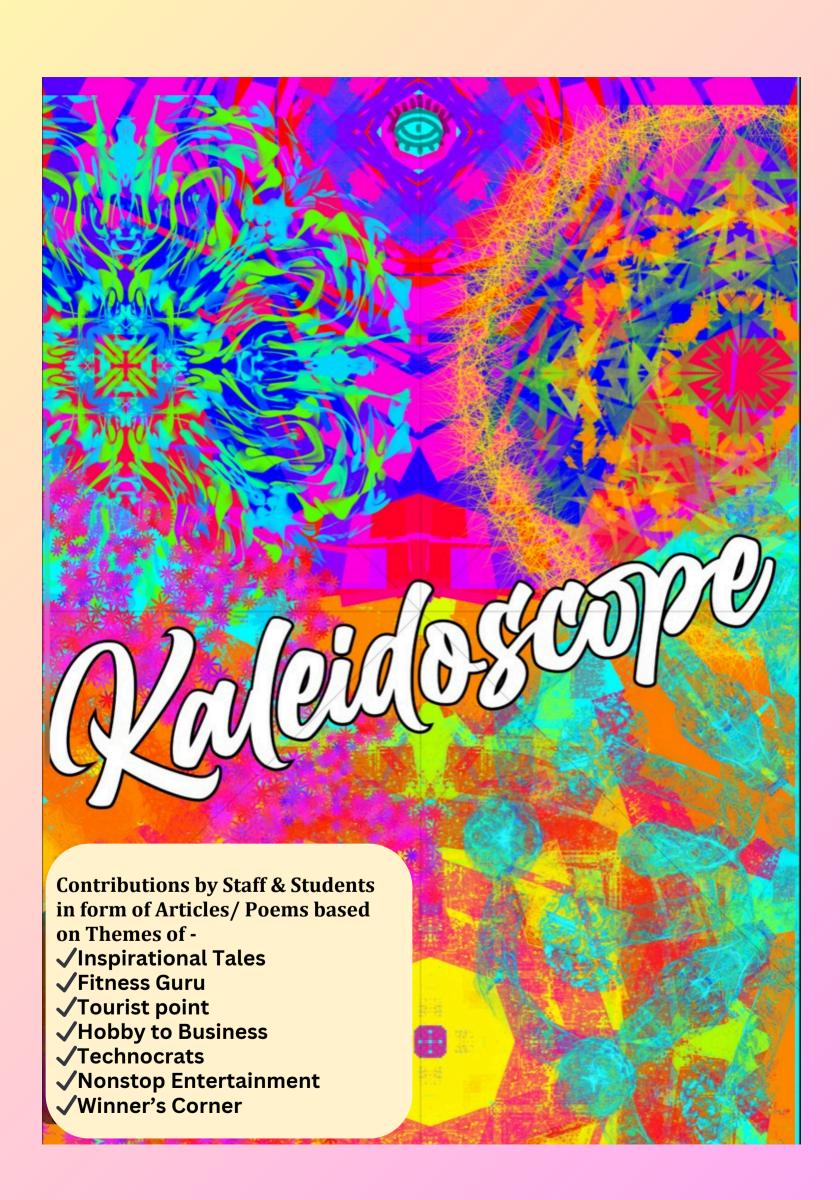
9.Statisticians in Naval Operations Research: At the Institute for Maritime Technology (IMT) a statistician has some freedom to build his/her career around one or more of a wide spectrum of naval decision problems.

opportunities available. The average salary for a Biostatistician's is ₹5 lakh per year in

India

10.Statistics Education-Teaching: A Qualified teacher with a background in Statistics is in great demand with the introduction of the new school syllabus.

Ms. Sumaiya Shaikh Incharge- Head Statistics Department



Inspirational Tales

"Dare To Be Free, Dare To Go As Far As Your Thought Leads, And Dare To Carry That Out In Your Life"



Sketch Credit: Mr. Raj Deshmukh FYBSc Biochemistry

India has around 379 million youth dreams as in 2023 and 80% of whom are just dreamers who are held back by the society norms, financial conditions, critical lifestyle or the family itself Living in India might seem all fun and colourful but when it comes to youth following their heart it's as dark as the hollow. And so, The Great Swami Vivekananda quoted once "Dare To Be Free, Dare To Go As Far As Your Thought Leads, And Dare To Carry That Out In Your Life. Swami Vivekananda born on 12th january in Kolkata is one of the most celebrated spiritual leaders of India. He was more than just a spiritual mind; he was a prolific thinker, great orator and passionate patriot. He carried on free-thinking philosophy of his Ramakrishna Paramhansa forward into a new paradigm. He worked tirelessly betterment of the society, in servitude of the poor and needy, dedicating hisall for his country.

young monk and his teachings have been an inspiration to many, and his words have become goals of self-improvement especially for the youth of the country. For this very reason, his birthday, January 12, is celebrated as the National Youth Day in India.

Swami Vivekananda was a great believer in the potential of youth to change the world. He urged the Indian youth to educate themselves and emphasized how they should stand-up for themselves andtheir dreams and always work for the betterment of the society and for self satisfaction more importantly.

The quote mentioned above invigorates the youth to dare to be free, to do what they want and to not fear any person or the situation, it means to fight against the odds and get what you want even if it's freedom which is abstract in nature. He dares us to go as far as our thoughts lead and to not limit ourselves. The gender, the financial status, the family, the society nothing comes in between if you have the ignite in you and you're desperate enough to fight the odds to reach your goal and not just for the time being, but the young man in you should never die and only when the heart stops he will. Swami Vivekananda favoured strong and energetic youth for a secure future for our nation. Swamiji ceaselessly inspired and exhorted Indians to arise, awake and struggle till they achieved their self-mastery as individuals and as a nation. Youth in India is many a times held back for n number of reasons but Swami Vivekananda since decades ago is motivating and encouraging the youth to be THEMSELVES. Self satisfaction is the ultimate goal swamiji teaches through his values and having Swami Vivekananda as a mentor is truly a blessing for the youth today, tomorrow and centuries ahead.

And with that the young blood I carry in myself I take the oath to always Dare, Dare to Live, Dare to Fight and Dare to Free.

Alumnus - Ms. Kinnari Londhe TY.B.Sc Human Science 2022-23

Deep dive into an emotional connection: A review of the Netflix Original Movie - My Octopus Teacher



Sketch Credit: Yadnika Patil FYBSc (CBZ)

A filmmaker develops a unique and emotional bond with an octopus in the South kelp forests, documenting behaviours and learning valuable lessons about the interconnectedness of all life. "My Octopus Teacher" is a visually stunning, moving, and introspective experience. The director Craig Foster spent childhood listening to the rhythmic sound of waves crashing close to the entrance to his cottage. He grew up to be a filmmaker, documenting natural history all across the globe. There came a point in his career though, where he found himself burned out with workload, and his personal life in equal

Foster decided to take a break and go back to his roots, into the cool blue depths and

amidst the dense kelp forests teeming with marine life. This decision ended up changing his life in ways he could never have imagined. While diving among the kelps, he came across a peculiar bundle of assorted mollusc shells on the ocean floor. A closer inspection revealed it to be a Common Octopus (*Octopus vulgaris*), a behaviour which the director was able to comprehend in his later encounters with the creature.

But mesmerized by this then inexplicable behaviour, Foster decided to dive to this spot every day to study this 'eight-legged' mollusc. Over time, he began observing her behaviour and gained a deeper understanding of her intelligence, resourcefulness, and playful nature.

In order to truly get into her world, Foster first had to win her trust by being gentle and patient. The bond that developed then, between this octopus and Foster, is truly astounding and something that must be witnessed first-hand through this documentary. What makes "My Octopus Teacher; so compelling is the emotional journey that the audience goes on with Foster. We see him struggling with his own demons, but we also see him finding solace and a renewed sense of purpose through his connection with the octopus. It is a deeply moving and inspiring story that reminds us of the healing power of nature.

In addition to the personal story, My Octopus Teacher also serves as a powerful reminder of our responsibility to protect the natural world and the urgent need for action to preserve this planet's biodiversity. Overall, My Octopus Teacher is an exceptional documentary that takes us on a journey of discovery and connection with nature. It celebrates the beauty and resilience of the natural world, while also reminding us of our responsibility to protect it. It is a must-watch for anyone who loves nature and a testament to the connection that can exist between humans and animals, even those without a backbone.

Alumnus - Mr. Omkar S Damle Biodiversity Wildlife Conservation Management 2022-23



गुरु

हो ईश्वरोपरी आप, आपको मैं यूं कैसे भुलू हैं मां पिता भी प्रभुतुलिय, बतलाया आपने मैं कैसे भूलू, भूलू कैसे मैं उसे दिन को, जिस दिन इस रंक को रत्न से आप मिले, भुलू कैसे मैं उस क्षण को, जिस क्षण प्रभु आपके पदछाप मिले, माटी से इस मुर्ख को अपने मटके का आभास दिया, दिया है मुझको परम ज्ञान, मुझे नास्तिक को शिवराम दिया, दिया है मुझको ध्यान, लक्ष्य ,धैर्य, धर्म-कर्म का ज्ञान दिया, कैसे भूलू प्रभु मैं उसे क्षण को, जिस क्षण आपने मुझे मूर्ख को अपना मान लिया।

-Mr. Harsh Ashutosh Tiwari SYBSc CZ

Dear Dad,

बाबा कस सांगू कळत नाही आहे. आता पर्यंत जे तुझ्या बद्दल माझ्या मनात होत ते शब्दात मांडण्याचा प्रयत्न करते. सर्व बोलतात की ' वडील ' हे मुलीच पहिल प्रेम असत पण माझ्यासाठी पहिल आणि शेवटच प्रेम तुच होतास, आहेस आणि कायम राहशील.

बाबा ARMY त होतास त्यावेळी मला तुझी ओळखच नव्हती, पण ज्यावेळी Retired होऊन आमच्या सोबत राहायला आलास त्यावेळी समजल बाप म्हणजे काय ? तु Retired झाल्यानंतरचे प्रत्येक क्षण लक्षात आहेत. पण आपल्या दोघांमधील नात जास्त वेळ टिकलं नाही.

बाबा २०२१ ला तु आम्हाला कायमचा सोडून गेलास. आज त्याला अडीच वर्षे होऊन गेलीत.मला माहितीये तु Physically नाही आहेस पण तु आमच्यासोबत आहेस. बाबा मला आजुन आठवतंय आपण Canteen ला जायचो त्यावेळी मी माझ्या मनातले सर्व काही तुला सांगायचे आणि तुम्ही मला सांगत होते. आपण एकत्र बसून गप्पा मारयचो.बाबा तु मला कधीच काहीच कमी पडून नाही दिलंस, जे मागितलं ते आणून दिलंस. ज्या Brand च मागितल त्या Brand च्या सर्व वस्तू आणून दिल्यास. 'माझी ओळख आहे ती तुमच्यामुळे मी आज या जगात आहे.'

तुमच्यामुळे 'प्रेम' या शब्दाचा मेला समजलेला अर्थ - 'प्रेम' ही एक अशी गोष्ट आहे प्रेमही आपल्या कोणावरही होऊ शकते. मग ती व्यक्ती असो वा वस्तू. 'प्रेम' हा शब्दच एक अनमोल आहे. प्रेमान आपण सर्वकाही करू शकतो. बाबा ज्या वेळी तु गेलास त्यावेळी जबाबदाऱ्यांची जाणीव झाली.I will handle all things but Dad माझ्या

मनाला जे वाटतय ते कोणाला सांगू.

'जाना था दूर पर जाके क्या करू, हासिल तो बहुत कुच करना था पर करके क्या करु, जिंदगी जिनी थी पर जीकर क्या करु, मंजिल तो पानी हे पर पाकर क्या करु, जो चाहिए साथ वही नहीं तो यह सब करके क्या करु!!'

जन्म झाल्यावर पहिल्यांदा तु हातात घेतलस, मुलगी झाली म्हणून नाराज झाला नाहीस, बोट पकडून चालायला शिकवलंस, शूरवीरांच्या गोष्टी सांगून लढायला शिकवलस, तो तूच होतास बाबा, तो तुच होतास.'

बाबा तु गेलास आणि माझी life अंधारात गेली .या अंधारातून तुझ्या प्रेमाच्या जोरावर वाट तर शोधते पण अपयश खूप येतंय. . कसं सांगू तुला तुझ्या शिवाय जगणं कसं झालंय? तुम्ही बोलला होतात Dad मला की -"तुला जिकडे जायचं आहे आहे तिकडे जा , जिकडे फिरायच आहे तिकडे फिर, तुला जे करायचं आहे ते कर मी तुझ्या सोबत कायम आहे." ह्या शब्दान मुळे मला आज भीती वाटत नाही.

Dad शेवटी हेच बोलते की, I love you So much Dad and I Promise you I will fulfill your all dreams and wishes.

Ms. Neha Patil FYJC

बाबा

आपले दुःख मनात ठेऊन दुसऱ्यांना सुखी ठेवणारा देवमाणूस म्हणजे बाबा

तुम्ही कितीही मोठे झालात तरीही अशी एकमेव व्यक्ती ज्याच्या कडे तुम्ही मोठा माणूस म्हणूनच पाहता ते म्हणजे बाबा

कोणाच्याही हुकूमावर नाय तर स्वतःच्या रुबाबावर जगायचं हे शिकवणारे ते म्हणजे बाबा नेहमी मोठ्याचा आदर करायचा अन्याय विरुद्ध लडायचं हे शिकवणारे ते म्हणजे बाबा

तुम्ही जगाला ज्याची ओळख सांगून तुमची ओळख पटवता ते म्हणजे बाबा हरलो पडलो तरी परत उठवून लढवय्या बनायला शिकवणारे ते म्हणजे बाबा

ज्यांच्या सावलीतच प्रेमाचा अथांग सागर आहे ते म्हणजे बाबा जगा साठी ते फक्त एक व्यक्ती असतील पण माझ्यासाठी माझ संपूर्ण जग आहेत. ते म्हणजे बाबा

> - ओमकार मुंढे M.Sc. Part II Biodiversity Wildlife Conservation and Management

माझ्या गुरुच्या निरोप समारंभ साठी केलेली कविता (माझे गुरु- राठोड सर)

सर तुम्ही चालले तुमच्या नवीन मार्गांवर... म्हणून मी दोन शब्द बोलते या व्यासपीठावर कॉलेज पासून सुटते तुमची साथ पण...तुमचा असुदे नेहमी डोक्यावर आशीर्वादाचा हात

तुमच्या कडून मी खूप काही शिकले... म्हणून आज इथपर्यंत आले सर तुम्ही नेहमी केली आमची प्रशंसा... म्हणून खूप मिळाला दिलासा उद्या पासून तुम्ही रोज कॉलेज मध्ये नसणार... पण तुम्ही दिलेल्या शिकवणीत व आठवणीत नेहमी असणार

- निकीता सुरेश केणी (सहाय्यक प्राध्यापक प्राणीशास्त्र विभाग)

Fitness Guru

Yoga.... is a hobby we can build

It is believed that you at least have one hobby to implant or develop to help you grow. In the 21st century as in part of Young India, we always come across one of the common questions what is your Hobby, irrespective of what your profession is as a student or employee give a proper and dignified answer to the respective questioner 50 % of people in India tells a lie, so why not turn the lie into truth and build a hobby which is easy, beneficial, and of course healthy, and it is a Yoga.

Yoga is more than a practice, it is a lifestyle that heals, cares for, and strengthens the body, mind, and spirit through the practice of asanas, breathing, and meditation. Yoga has been practiced in India for thousands of years, it has become one of the systems of physical and spiritual conditioning. Yoga is part of our religious, spiritual, cultural, and social traditions. There are texts from thousands of years ago that already speak about meditation practices, breathing, the existence of the self, and a series of postures that help the yogi purify his body and mind. So why not use our cultural knowledge and exploit it to create something amazing that we implicate so that the people near us also get courage and build a healthy hobby.

It is said that yoga is the unitisation of body, mind, and spirit so of course when you work on it, will serve healthy mental and physical beings. Nowadays people feel more mental exhaustion than physical so why not do some self-help. As it is physical practice, slow movements combined with deep breathing techniques help to improve flexibility as well as blood flow.

In addition, holding a pose helps to improve balance and build strength irrespective of human age. Yoga will also help you to calm down and relax after a long day and allow your body to fall asleep and stay asleep through the night. This goes a long way in improving your quality of sleep so one asanas that helps in improving the sleep quality is the Eye of the Needle pose or Sucirandhrasana.

Yoga is an effective stress management technique. Asanas, breathing techniques, and meditation all combined play a key role in combating stress. It also helps to deal with the most common problem of young India that they feel lonely, so enrolling in a yoga class helps to ease loneliness and connects you with a supportive community. If you don't go out often, taking a yoga class allows you to meet and engage with new people, and it also offers a great opportunity for healing and support. Many people who are doing Yoga regularly claim to feel mentally and physically revived after joining in yoga. Besides helping to lower stress levels, regular yoga practice also helps to reduce body-wide inflammation, allowing for a much healthier heart. In addition, regulated breathing has been found to have a positive influence on the heart rate, arterial pressure, stroke capacity, and the heart's contractility so likewise with the help of yoga our heart will always be healthy, young, and happy. With the results gained from practicing yoga regularly,

will be more encouraged to take up a healthier lifestyle and take more care of yourself and it will also reduce your mobile screen time because this is become the most crucial and common worry of every parent from its child. After all, Yoga teaches us self-care.

So on that note just decide that we will build a healthy habit for self-care, and Yoga will make us consistent and improve our vision to deal with our different life aspects as everyday practice can make us calm and stress-free. As we build one good habit rest bad habits will not have any chance to make our brain go insane.

Let's give our life an amazing gift and start Yoga practices and build it as a hobby. And now let's end this with a shloka as we take promise that we will start the healthy habit soon ...

योगेन चित्तस्य पदेन वाचां। मलं शरीरस्य च वैद्यकेन॥ योऽपाकरोत्तं प्रवरं मुनीनां। पतञ्जलिं प्राञ्जलिरानतोऽस्मि॥

To know the meaning of this beautiful shloka you will find once you enroll yourself with this beautiful practice.

-Ms. Vishakha Vichare Faculty - Department of Botany

Tourist Point

वस्त्रांकित कोलकाता!

अगदी अलीकडेच कोलकाता भेटीचा योग आला. कोलकात्यातील शहरी गजबजाट, मोठमोठाल्या बाजार-हाटातील वर्दळ, ब्रिटिश कालीन इतिहासाच्या पाऊलखुणा मांडणाऱ्या सुंदर वास्तू, अप्रतिम खाद्ययोग या सगळ्याहूनही काकणभर सरस अशा 'वसन संस्कृतीने' माझ्या मनाला किंचित जास्त भुरळ घातली.

कोलकत्यातील शहरी भाग, शांतिनिकेतन, बेलूर मठ, दक्षिणेश्वर काली मंदिर बाजारपेठ या सगळ्यातून फेरफटका मारत असताना ठळकपणे जाणवलेली गोष्ट म्हणजे पारंपारिक कलकत्ता साडीत सहज वावरणाऱ्या ललना! अख्खे जग ग्लोबलायझेशनच्या गप्पा मारत असताना 'लोकल' लाही, तितकेच, किंबहुना खचित जास्तीच महत्व देणारा बंगाल मनाला खूप भावला.

ऑनलाइन शॉपिंग, त्यातील बहु विविध पर्याय इथेही उपलब्ध असूनही संपूर्ण समाजामध्ये स्त्रिया पारंपारिक बंगाली वस्त्रे अप्रतिम तांत साड्या अत्यंत सहजपणे अंगावर रोजच्या जीवनात वापरतात हे बघून खूप छान वाटलं याला व्यवसायाचं, वयाचं किंवा स्थळाचं कुठलं बंधन आहे असं वाटलं नाही. घरात येणाऱ्या मदतनीस बायका, कॉलेजमधून नुकत्याच बाहेर पडून व्यवसाय शोधणाऱ्या तरुणी जरा अधिक वयाच्या गृहिणी आणि अगदी ज्येष्ठ नागरिक आज्या देखील या वस्त्रांमध्ये आपले सौंदर्य फुलवीत आत्मविश्वासाने वावरताना पाहणे म्हणजे एक पर्वणी! मुख्य म्हणजे "saree is so difficult to carry na!" हा भाव (की आव?) कोणाच्याही चेहऱ्यावर दिसला नाही.

अप्रतिम साधेपणा असणाऱ्या पांढऱ्या रंगातील उठावदार लाल नक्षी आणि काठाच्या तांत साड्या, नानाविध रंगलेल्या बांगला सिल्कच्या साड्या, गोरोड साड्या ह्या अधिकत्वाने आढळल्या. साड्यांचे प्रकार मर्यादित असले तरी त्यातील नक्षीकाम, रंगसंगती यातील वैविध्य वाखाणण्याजोगे! "ए, ही बघ ना काय सुंदर आहे! म्हणे पर्यंत " अरे ही तर झक्कास" असेच करत होतो आम्ही!

हाताने विणलेली ही अत्यंत तलम सुंदर वस्त्रे अशी काही दिलखेचक होती की बेलूर मठाचे आध्यात्मिक वातावरण आणि दक्षिणेश्वर काशीचे धार्मिक वातावरणही या ऐहिक सौंदर्य रसास्वादापासून माझ्या मनाला थोपवू शकले नाही. (ज्याची रीतसर मनोमन माफी मी केव्हाच मागितली आहे, आणि मला खात्री आहे ती मला मिळाली असणार.)

या सगळ्यांवर कडी म्हणजे त्या साड्याबरोबर स्त्रियांनी धारण केलेले सुंदर भरतकाम, नक्षीकाम असलेले तयार ब्लाउज -अगदी कमी किमतीत गल्लोगल्ली मिळतात आणि ते घ्यायला झुंबड असते.. हे ही पाहिले. बहुतांशी सावळ्या वर्णाच्या बंगाली स्त्रियांमध्ये रंग विविधतेची आवड आणि विजोड रंगसंगतीतली वस्त्र प्रावरणे मिरवायचे धाडस दोन्हीही नोंद घेण्यासारखे.

महाराष्ट्रातील बहुतांशी मोठ्या शहरांमधून खानपान, राहणीमान, वस्त्र परिधान यांचे आजकाल सर्रास झालेले (दुःखद) सार्वत्रिकीकरण.... याच्या अगदी विरुद्ध म्हणजे बंगाल ने अभिमानाने जपलेली वस्त्र संस्कृती ही ठाशीव आणि वैशिष्ट्यपूर्ण! म्हणूनच मला अधिक लक्षात राहिले ते वस्त्रांकित कोलकत्ता....!

सौ.कल्पिता मुळ्ये विभाग प्रमुख सुक्ष्मजीवशास्त्र

शैक्षणिक सहल

बांदोडकर विज्ञान महाविद्यालय ची वेळ नेश्वर "शैक्षणिक सहल" दिनांक २२ फेब. २०२४ ते २५ फेब.२४ पर्यंत तीन दिवस २४ विद्यार्थी ४ शिक्षक यांनी कोकण चा यादगार प्रवास केला २२ तारखेच्या रात्रीचे धुके त्यातून नागमोडी वळणाची वाट आणि जबरदस्त घाट आंगावर शहारे आणणारा प्रवास सुखरुप रात्रीचा प्रवास झाला आणि पहाट होताना झाडी माडीतून जाणारी गाडी (बस) अतिशय मनमोहक दृश्य होते , नदीपत्रातून उगवणारा तांबूस सोनेरी किरणाचा सूर्योदय,इतक्यात वेल्नेश्वर परशुराम इंजिनीयरीगं बलाढ्य महाविद्यालयात प्रवेश करत सकाळचे ७:१५ आगमन झाले मग कॉलेज भेट दिग्गज प्राध्यापकांचे विद्यार्थ्यांना मार्गदर्शन नंतर गुहागर समुद्र किनारचे दृश्य आणि विहगम मावळतीची संध्याकाळ पहिली दुसऱ्या दिवशी डायरेक्ट रत्नागिरी सुप्रसिद्ध "थिबा पॅलेस" पतीत पावन टेम्पल,

वेळेअभावी रत्नागरी तून गणपतीपुळे कडे रवाना सुंदर वळणाची वाट काढत नारळाच्या झाडातून नागमोडी वाटेतून थंडगार हवेचा आस्वाद घेत थेट गणपतीपुळे अतिशय सुंदर समुद्रिकनारा एका बाजूला विशाल डोंगर गणपतीटेंपल आणि अथांग समुद्र किनारा सायंकाळी परतताना जेट्टी बोटीने केलेला प्रवास वेगळाच आनंद देऊन गेला आणि दुसऱ्या किनाऱ्यावरून परत वेलनेश्वर आणि तिसऱ्या दिवशी वेलनेश्वर चा समुद्रमंदिरे आणि भूदल गावातील आप्रतीम सौंदर्य एका बाजूला सूर्योदय तर दुसऱ्या बाजूला अथांग सागर शेवटचा दिवसात परशुराम कॉलेजने केलेले विविध उपक्रम आणि शशोधन पहिल्या आणि शेवटच्या दिवशीचे प्रशिक्षण विद्यार्थ्यासाठी खूपच लाभदायक ठरले ज्ञानायाबरोबर विज्ञान आणि निसर्गाचा आस्वाद सर्वांनी घेतला.

वेल्नेश्वर कॉलेजचे प्राचार्य सोनी सर यांनी खूपच चांगले सहकार्य आणि मार्गदर्शन केले बांदोडकर विद्यालयाच्या प्राचार्या डॉ विंदा मांजरमकर यांची सहमती आणि उप प्राचार्या सौ. सुनीता ढाकणे प्रा. प्रीती जांबुळकर,सहल समन्वयक प्रा.अनिल आठवले, गणित विभागप्रमुख प्रा.विनोद थोरात यांच्या सहकार्याने महाविद्यालयाची २०२४ ची कोकण भेट यशस्वी झाली.

"कोकणचा सहवास म्हणजे जिथे ऑक्सिजन चा वास असा प्राणवायूने भरलेला कोकणचा प्रवास"

> सहल समन्वयक प्रा.अनिल आठवले

SUSTAINABLE TRAVEL PLANNING

In today's busy life, we often need a vacation. Taking a vacation is very important for our physical and mental health. Sometimes people travel to explore the world, learn new things, experience the diversity of culture and nature, and create new memories. Taking a break helps us to recharge ourselves and return to work with fresh energy. But with the increasing greenhouse effect on the environment, planning a sustainable trip is necessary! Sustainability refers to the potential to fulfill our needs without harming the environment and depleting natural resources. Sustainable traveling is a way to reduce the negative impact of tourism on the environment. It involves adopting eco-friendly, socially responsible, and economically feasible practices.

The need of the hour is for individuals to travel with caution and responsibility. People are becoming more sensitive toward the environment. Planning an ecofriendly travel is the best way to reduce your carbon footprint and have a meaningful and relaxing vacation.

Here is how you can plan a sustainable holiday:-

Choose a suitable destination:

Choosing a destination while going on a vacation is the first and the most crucial aspect of the vacation. Select locations that prioritize environmental conservation. Visiting places that are less crowded and unexplored and looking up to touristy locations off-season helps reduce the impact of tourism on the environment and local resources.

Means to travel:

Use efficient modes of transportation. To cut down carbon emissions, the best way to travel is by using public transportation. If traveling to a distant destination, that requires flight, one can choose a company that shows eco-friendly practices. Opt for direct flights that are not only convenient but also minimize the usage of fuel. Traveling by train, bus or car is more advisable if the destination is close and avoid taking flights that contribute to large amounts of carbon emission. Whenever possible, the best way to explore the destination is by riding a cycle, local vehicles, or strolling and enjoying the natural scenery. This will not only help reduce pollution but also provide more knowledge about the location.

Sustainable packing:

It is essential to look at what you pack on a vacation. The quantity and quality of the items you carry impact your sustainable travel plan. Pack only those things that are predominantly required. Avoid single-use plastic products and opt for eco-friendly products which are also reusable and recyclable.

Selecting the accommodation:

Selecting an accommodation requires a lot of research and effort to live a green vacation. Pick hotels or resorts that implement eco-friendly practices such as conserving water and energy, reducing plastic waste, proper waste management, using renewable energy, etc. While a luxurious hotel can be a great way to pamper oneself, it's not always necessary for a fulfilling vacation experience. You can also book your accommodation in a local homestay that gives you the essence of local culture, habitat, and new experiences.

Food choices:

Instead of fast food, try eating fresh, local, authentic food and traditional delicacies. In this way, you support the natives and experience their local customs.



Wander local places:

Along with exploring tourist spots one should also wander the local places and learn about their cultural traditions, food, etc. Buy stuff from local shops which will also help the livelihood of the local communities. Learn about the local flora and fauna.

Proper waste management and usage of resources:

Avoid using plastic items and opt for eco-friendly reusable items. Properly dispose of your garbage. Be conscious of the resources you use and utilize them adequately.

Traveling is one of the best experiences one can have. There's so much to learn and explore. But while doing so, we are causing more harm to our environment which can be minimized through implementing these sustainable practices. Planning a sustainable trip not only benefits the environment but also allows us to have a more meaningful and wholesome experience.

"On Mother Earth, leave your footprints, not carbon footprints."

-Ms. Dakshali Sawant TYBsc Botany

VARANASI'S DEV DIWALI

Varanasi, nestled on the banks of the Ganges River in northern India, offers a unique tourist experience, especially during Dev Diwali. Geographically, its riverside location enhances the spiritual ambiance, with its ancient Ghats and vibrant streets, creates a mesmerizing atmosphere providing a picturesque setting for the celebration. The climate during Dev Diwali is typically cool and pleasant, making it an ideal time for outdoor festivities. The moderate climate in November adds to the pleasant visit, allowing tourists to explore comfortably. The sight of illuminated ghats and temples reflects a mesmerizing blend of nature and cultural celebrations.

Observing nature during Dev Diwali reveals a spectacle as the ghats come alive with countless earthen lamps, creating a surreal play of light and reflection on the sacred river. The spiritual ambiance is intensified by the echoing sounds of religious rituals and the soft murmurs of the Ganges.

Engaging with the local culture provides insights into Varanasi';s rich heritage, tourists witness ancient rituals and ceremonies along the ghats. The people, deeply rooted in tradition, celebrate Dev Diwali with fervor, making it an ideal time to witness authentic customs. The language, predominantly Hindi, adds to the cultural immersion, and the traditional Banarasi sarees and dhotis as traditional attire showcase the city's distinctive dressing style. Varanasi's historical significance is evident in its ancient temples, including the iconic Kashi Vishwanath Temple. It being the center of the Bhojpuri cultural region is one of the world's oldest continuously inhabited cities. Kashi, its ancient name was associated with a kingdom of the same name of 2,500 years ago.

Exploring these architectural gems offers a glimpse into the city's spiritual legacy. As the cultural capital of India, Varanasi is a hub for music, arts, and literature, further enriches the experience, as tourists explore its ancient temples, narrow lanes, and bustling markets. An its infamous silk weaving is world famous. A temple on every corner is visible to eyesight is the reflects of it's historical charm.

In essence, visiting Varanasi during Dev Diwali captivates tourists with its spiritual aura, cultural richness, historical charm, making it a memorable and immersive travel experience for any tourist seeking an authentic Indian experience.

-Ms. Mahima Kahar SYBSc MS



JAWAI: LEOPARD HAVEN AND CULTURAL GEM OF INDIA

Leopard is India's most adaptive big cat. One can find leopard population right from Himalayas to the shoreline Konkan region of Maharashtra and from South Indian Dense forest to semi-arid to arid landscapes of Rajasthan. It is the cat that has also adapted itself to survive in some of the most crowded cities like Mumbai. Leopards have adapted themselves so well in all kind of environments that many people including some big cat researchers think that leopard population is thriving better in the non-protected areas.

Jawai is one of such locations where leopards are thriving along with the people residing around. It is one of the locations in the world with highest density of wild leopards, if not the highest.

Historically, the Rajasthan state is divided in 9 parts. Of which we are aware of 2, Mewar (मेवाड) and Marwar (मारवाड). Mewar is the South-western region of Rajasthan characterized by green tree cover, lush forests, and good rainfall. On the other hand, Marwar is characterized by dry desert habitat, very less rainfall, thorny bushes etc. Jawai area falls under the region called Godwar (गोदवाड). God (गोद) literally means the lap. So, Jawai is situated in the lap of Mewar and Marwar hence having the cross-over of the 2 habitats of the two (Mewar and Marwar). Jawai is the arid to semi-arid area mostly covered by the granite hills which are pre-historic. These hills, according to a geological report, are 850 million years old.

The life of this landscape is the Jawai river which originates in the Aravalli hills which is the India's oldest mountain range. The river drains in the Arabian sea in the Gujarat state of India. The Jawai river is dammed in the hills and the reservoir is also named as Jawai Dam. It is the second largest reservoir in the South-Western Rajasthan. The climate of Jawai keeps on changing season wise. In winter it can drop to sub-zero level while in peak summer it can cross 50°C. Monsoon in Jawai is very poor but that has never become a problem because on the Aravalli hills, the monsoon is good which in results provides good water to the Jawai river making the flat land of Jawai green for certain period of time

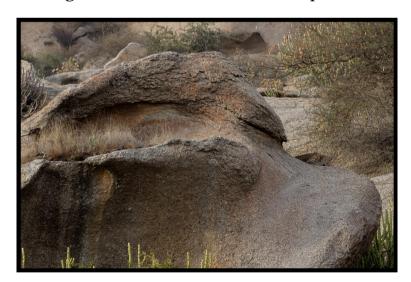
Being an arid landscape, the biodiversity of the area is not very rich but the leopard population here is very high. The possible reason for the high density of the leopards in this area lies in the geographical location of Jawai. Jawai hills are surrounded by 3 other hill ranges viz. Aravalli hills, Sirohi-Abu hills, and Jalore hill. All these hill ranges are a very good habitat for leopard population and hence Jawai plays a role of corridor for these leopards to move from one hill range to another. Due to this heavy movement of leopards from all direction, Jawai sees a huge number of traversing leopards and hence keeping the leopard population healthy due to introduction of newer gene pool.

Leopards in Jawai behave little different in some of the behaviors of the leopards elsewhere. Leopards are known to be the solitary animal but here in Jawai, one can witness a group of leopards at one location. A priest of a temple has confirmed that he has seen at least 20 leopards sitting together much like a pride of lion. Apart from this, there is another interesting behavior seen in the up-bringing of the cubs. Generally, cub stays with the mom for 1.5-2 years and then becomes independent but in Jawai, this period is reduced to 10 months to 1 year. The continues pressure of leopards coming from other areas could be the possible reason for it.

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Apart from leopards, the key mammals that are found in Jawai are Nilgai, Desert Fox, Wild Boars and lesser cats like Jungle Cat, Asiatic Wild Cat and Asia's smallest wild cat, the Rusty-spotted Cat. The Jawai dam is a home for many resident as well as migratory birds including the flamingoes and Sarus Crane.

Jawai has now became one of the hotspots for the wildlife tourism as it offers best sightings of leopards and hence wildlife enthusiasts and photographers are flocking in Jawai. To host this increasing footfall, there are many accommodation facilities available ranging from homestay range to luxury properties. The safari experience at Jawai is an altogether different experience as we have to traverse on the granite hills in the vehicle which becomes a unique and equally excited and adventurous experience.

Safari experience in Jawai gives the 50% of its experience. What completes the Jawai experience is the local local community and the culture at Jawai. It is the place which has India's one of the endangered communities, Rabari community, living there. Rabaris are the nomadic shepherds of this land. Grazing cattle and goats are their primary livelihood. These Rabari people standout from other communities due to their bright red turban. Every male Rabari wears with the pride. Rabaris are known to travel thousands of kilometers with their livestock, especially goats, for almost 7-8 months of the year in which they plan their journey according to the harvesting season of the various places that fall in their journey. These people travel to Malwa, Madhya Pradesh and come back to Rajasthan via Gujarat. Recently, with the availability of the education, new generation is seeming to be interested in taking the jobs in the vicinity rather than going on the tour.

Rabaris play very crucial role in the conservation of the habitats in Jawai which ultimately results in the conservation of leopards therein. Jawai is the only place where you can see humans and leopards co-habiting. Leopards in Jawai are known to hunt on the livestock of the rabaris but Rabaris have never complain about that. Rabaris consider leopards as the guardian of the temples and hence any loss in the livestock is never seen as the loss but as an offering to the god. Rabaris are now getting monetary compensation in case of livestock loss which has become another help for them to continue their livelihood

It is truly a place worth visiting to experience the most unique things right from the safari experience to the cultural experience. Jawai, with its blend of biodiversity and cultural heritage, offers a unique glimpse into the intricate relationship between humans and wildlife. It stands as a testament to the resilience of nature and the enduring traditions of its people. For those fortunate enough to visit, Jawai promises an unforgettable journey, where every moment is filled with wonder and discovery.

Mr. Sarvesh Madhav Abhyankar M.Sc. Part II Biodiversity Wildlife Conservation and Management



Hobby To Business

A Sweet Venture Into Entrepreneurship

As a kid, I was so fascinated by the concept of making chocolates after reading 'Charlie and the Chocolate Factory' that I cut off all my eyelashes and wished for Willy Wonka's chocolate factory. I've always been passionate about chocolates and I used to help my cousins make chocolates and bake cakes but never in my wildest dreams I thought I'd be able to turn it into a business. So when the opportunity came knocking on my door. I didn't hesitate. I knew it was my time to shine and I grabbed it with both of my hands. I teamed up with my colleague and friend Shefali and it's been an absolute delight!

Our teachers assigned us to create a healthy snack and what could be better than dark chocolate? In an age where people are becoming more health-conscious, our homemade dark chocolate not only tastes divine but also helps maintain a healthier lifestyle. Individuals with diabetes and high blood pressure may potentially benefit from consuming dark chocolate as it has been shown to have a positive effect on their health. I remember going to Ambernath for affordable, high-quality ingredients and returning in time for chemistry practicals. And spending late nights making chocolates, garnishing them with dry fruits and cutting them precisely all the while talking with Shefali on the phone. Although there were times when things got really busy and our parents were concerned about our academic performance, the positive feedback and kind compliments from our customers made the dark circles worth it.

I'm extremely grateful for the support I have received from my parents, colleagues and teachers throughout this journey. My teacher's guidance has been invaluable in helping create visually appealing and practical packaging for our homemade chocolates. Additionally, they have shared their knowledge on identifying target audiences and utilizing online platforms to reach a wider customer base. Thanks to their guidance we sold out every day and not a single chocolate went to waste. Shefali and my work ethics and skills are so similar it's incredible how well we work together. Despite the thorns in our way, it's amazing how much we've learned from each other and I wouldn't choose anyone else to share this experience with.

-Ms. Siya Patil FYBSc Biochemistry



CAPTURING MOMENTS, CREATING MEMORIES



EXPLORING THE ART AND ESSENCE OF PHOTOGRAPHY

WHAT IS PHOTOGRAPHY?

Photography is an art of capturing live moments with light sensitive materials or any other digital sensors. This includes use of camera or any other photographic equipment.

The term "photography" originates from the Greek words "phōs" meaning "light" and "graphé" meaning "drawing" or "writing," reflecting its essence as the art of drawing with light.

Photography consists of different types of genre, styles and techniques. Which include- Portrait style, landscape, macro photography, sports mode, sunset, night landscape, child mode, etc. *I WILL SHARE SOME PHOTOGRAPHS WHICH ARE CAPTURED BY ME*



ABOUT PORTRAIT PHOTOGRAPHS -

Portrait photography is mostly used to capture a human. Which includes human emotions, personality, etc. This mode is usually used to soften the background highlighting the object at the front.

LANDSCAPE MODE-

Landscape photography is used for vivid landscapes during daylight. Photograph can be horizontal or vertical depending on the situation.

MACRO PHOTOGRAPHY OR CLOSE UP SHOTS-

It is used for close up shots of flowers, insects or any other small objects. This photography mode helps us to get real high resolution image without any error.

SPORTS MODE-

Fast shutter speeds freezes the motion for dynamic sport shots in which the main subject stands out clearly without getting blurred. This feature can also be used to capture birds in flight or any other object in motion.





CHILD MODE-

Used for snapshots of children. Clothing and background details are vividly rendered, while skin tones remains soft and natural.

SUNSET MODE -

Preserves the deep hues seen in sunrises and sunsets.

NIGHT LANDSCAPE -

This mode helps to reduce noise and unnatural colors when photographing night landscapes, including street lightning and neon stripes.

GETTING TO KNOW CAMERA SETTINGS-

Following are few basic settings every beginners should know:

- 1.ISO This settings represents sensitivity of light. They are represented as -ISO100 ISO200 ISO300.....ISO2000 and so on. Lower ISOs is often used for brighter objects .To minimize noise and enhance image quality. High ISO setting is used when there is low source of light. Mostly digital cameras have AUTO ISO setting which directly sets ISO.
- 2. Shutter speed- Shutter speed determines how long the cameras shutter remains open. HIGH shutter speed with help you to capture the object in freeze motion. Lower shutter speed creates a blurry effect.
- 3. Aperture settings- Aperture settings on a camera control the size of the opening in the lens through which light passes. It is represented by the f-stop or f-number, such as f/2.8, f/4, f/5.6. lower the aperture higher the size of opening.

CAMERA OPERATING METHODOLOGY-

Operating a camera involves understanding its basic functions and controls as well as understanding few photography techniques. which includes –

*Starting with powering on the device- there is button to switch on the device. Power buttons differ with different cameras.

 Selecting the shooting mode- As I mentioned above, different situations require different shooting modes.









- IF you are unaware of the situation u can operate your camera by selecting the AUTO shoot option.
 Camera will adjust the settings automatically and you are then ready to proceed with capturing.
- Adjusting the settings
- Focusing on the object
- Creating appropriate background
- Taking the shot
- Reviewing your image and adjusting settings accordingl
- Power off~









SELENOPHILE~ a person who loves the moon.

I have trodden through various modes of photography, each with its own uniqueness, its own distinguishing factor, such as the coal nature of the night mode, or the vastness of the landscape mode, or the salient features of the golden urns pouring out of the sun in the sunset mode or the professionalism of work of photojournalism.

Each of them encompassing the beauty of the memories of that era in its lenses. Photos are such an integral part of our life that they cannot be dismissed so easily and hence, I personally wish to push the spirit of photography to a wider and wiser audience.

HOW DID I ESTABLISH MY INTEREST TOWARDS PHOTOGRAPHY ~

How I developed an abysmal interest in photography traces back to my 8th standard phase where the moon looked inexplicably elegant, such glace and glamor couldn't be contained within a smartphone camera which brought disappointment and resentment within me. That's when upon being instructed, I acquired the handling of the DSLR which eventually led to me taking one of the most breathtaking portrayals of the moon in its exquisiteness alone.





HOW CAN ONE TURN THEIR PHOTOGRAPHY HOBBY INTO CAREER?

Its very simple. My course of action is to enroll in a professional form of photography workshop in order to enhance my skills and polish the underlying loopholes and furthermore, establish myself as an adept photographer. With skills and experience behind my back, Balancing academics alongside the way and photography, I wish to slowly transition from normal photography to commissioned photography which aligns with my goal of sustainability

As in I am pursuing my zoology degree, I have studied a lot more about wildlife ,their behaviour, habit and habitat in my classes with the help of this I can opt a career for wildlife photographer. one just need to have knowledge about animals and their behaviour. And ofc with my passion for photography, skills and a well assured DSLRcamera I can easily become one. Main component that is required is a certificate course in photography.

Now the main question arises is "what does a wildlife photographer actually do?"

- A wildlife photographer specializes in documenting the beauty and diversity of the world's wildlife.
- They sort of tells the story of the wild to the rest of the world. For this they have to constantly travel locations where wildlife exists because a wildlife photographer takes images of animals in their natural environments.
- Nature and the subject of the shot must come first for the person taking the wild photography. Therefore, a career in wildlife photography requires one to respect the animals' routine and personal space.
- Wildlife photographers main subject is to spread message of wildlife conservation to mankind.

Having a plethora of rare animal snapshots just adds to the proficiency of my career, scrummaging through exotic landscapes in search of my next prized collection brings out the thrill of photography and hypes you to an surreal world of beauty, mundane people rarely get to explore and that's entirely the reason I want to bring the world of lens to the masses, to eradicate the stereotypes about photography and to show them the bigger picture.

"As Iron sharpens Iron, so does a man sharpens another". I wish to meet all forms of people who have developed and mastered other forms of photography and to take inspiration and learn along the way. To always learn new things and to always evolve and not reach a plateau is my goal as I wish to traverse the world and capture the entirety of the world in my lens. In the end, I hope my understanding of the world and the camera has passed into contentment. My story is one of many thousandths and I hope it becomes one worth learning about.

Ms. Shreya Rumde F.Y.B.Sc.



Technocrats

How AI can revolutionize education in India

Artificial intelligence (AI) is a wide ranging tool that enables people to rethink, integrate, analyze data and use the resulting insights to improve one's decision making. AI is already transforming every walk of life and in recent years, it has emerged as a game changer in the education sector.

AI holds the key to revolutionize the way we students learn, ushering in an era of unparalleled accessibility and effectiveness for education across the nation. In traditional education, we often follow a standard curriculum, regardless of individual student's strengths and weaknesses. With AI, this can change. AI can understand how each of us learns and adapts the learning process accordingly. This means teachers can focus on our unique needs and abilities, helping us to improve at our own pace and by this we students can also understand where we need to improve and build on our strengths.

In India, we face dissimilarity in access to quality education in different regions. So AI can help us to bridge this gap. It can pinpoint the areas where we need more support and resources. This ensures every student with an equal opportunity to succeed. Integration of AI in special education can be a turning point for those students with learning disabilities. AI Powered tools can help such students by identifying specific challenges and by adapting learning strategies to fulfill their individual needs.

Additionally, while AI can enhance our learning experience, it should not replace our teachers, as they play a very significant role in each and every student's life by guiding and inspiring them.

So let us embrace this technological Marvel and embark on a journey that unleashes the true potential of education in India

Ms. Neha Upadhyay (F.Y.B.Sc. BZC)

AI in Gentleman's Sport: "CRICKET"

The Impact of Artificial Intelligence in Cricket: Revolutionizing the Game.

Cricket, a sport steeped in tradition, has seen a wave of technological advancements in recent years, with artificial intelligence (AI) playing a pivotal role in transforming the way the game is played, analyzed, and experienced. This article explores the multifaceted impact of AI in cricket, from player performance analysis to fan engagement.

Performance Analysis and Training:

a. Player Biometrics:

AI-driven wearables and sensors have revolutionized player training by providing realtime biometric data. These devices track players' physical and mental states, offering insights into fatigue, stress levels, and overall performance.

Coaches can use this data to tailor training regimens and prevent injuries.



AI-powered video analysis tools have become indispensable in breaking down player techniques, identifying weaknesses, and devising strategies. Advanced algorithms can quickly analyze vast amounts of footage, providing coaches with actionable insights to enhance individual and team performance.

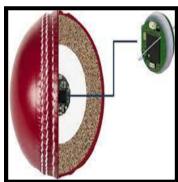


Umpire Decision Review System (DRS):

AI has brought objectivity and accuracy to umpiring decisions through the DRS. Using ball-tracking technology and predictive algorithms, DRS has significantly reduced errors in decision-making, adding a layer of fairness to the game. This technology has become an integral part of international cricket, influencing crucial moments in matches.



PREDICTIVE





Analytics in Match Strategy:

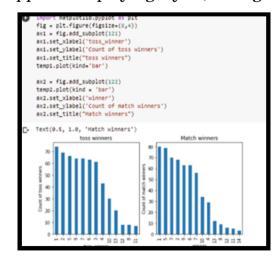
a. Opponent Analysis:

AI algorithms process historical data to analyze opponents' playing styles, strengths,

and weaknesses. This enables teams to formulate effective strategies, select appropriate playing elevens, and make informed decisions during matches.

b. Game Outcome Prediction:

AI-driven predictive analytics can forecast match outcomes based on various parameters such as player form, weather conditions, and historical performance. While not foolproof, these predictions offer valuable insights for teams and fans alike.





Fan Engagement and Augmented Reality:

a. Virtual Reality (VR) Experiences:

AI-driven VR experiences bring fans closer to the action, allowing them to virtually experience matches, explore stadiums, and even step into the shoes of their favorite players. This immersive technology enhances fan engagement and provides a new dimension to the spectator experience.

b. AI Chatbots and Personalized Content:

AI-driven chatbots help cricket boards and teams engage with fans in real-time, answering queries, providing updates, and delivering personalized content. This not only enhances fan interaction but also contributes to the overall growth of the cricketing community.



Thus Artificial Intelligence has become a game-changer in the world of cricket, influencing player performance, match officiation, strategic decision-making, and fan engagement. As technology continues to evolve, the integration of AI is likely to further enhance the sport's competitiveness, fairness, and entertainment value, marking a new era in the history of cricket.

Ms. Laxmi Yadav FYBSc



Non-Stop Entertainment

माझा बाप्पा



फुलांनी सजली मखर, घराघरात आली आनंदाची लहर, आता विराजमान होणाऱ लंबोदर, जेव्हा होतासी ते स्थापन, भक्तीनें मन होते प्रसन्न.

सुखाने भरलेल्या घरात, लहान मुलांचा होतो कहर, अश्या भरल्या घरात अहोरात्र, चालतो त्याच्याच भक्तीचा गजर.

कधी दुर्वा, कधी जास्वंद, कधी जुई आणि जाई, लंबोदरांच्या आगमनानंतर येते आमची गौराई, मग होतं अर्थपुर्ण गौरी- गणपती पुजन, अखेरला होते विसर्जन, लंबोदर जातात गौराई सोबत निरोप घेऊन

रहाते ती फक्त आठवण आणि मायेची ओझळ.

-प्रतिक्षा मोरे (FYBSc PCM)

तप्त सूर्य मी ग्रिष्मातला तू चंद्र शीतल धारा.. कोरडा मी वाळवंट ऐसा मज सावली तू सहारा.. रिक्त आभाळापरी मी तू दव चांदणे गोजिरे.. पर्णहीन मी वृक्ष एकटा नाव पालवी तू शिशिरा..

Komal Jadhav
 (TYBsc Zoology)

" शब्द असतात ते "

शब्द असतात ते प्रेमही करणारे आणि द्वेषही शब्द असतात ते जवळही करणारे आणि दूरही शब्द असतात ते मैत्री करणारे आणि दुश्मनी ही शब्द असतात ते फुंकर ही घालणारे आणि निखारेही शब्द असतात ते पाळणारे ही आणि न पाळणारे हे शब्द असतात ते आठवानारे ही आणि न आठवणारे ही शब्द असतात ते घायाळ करणारेही आणि भरणारे ही शब्द असतात ते स्मृतित राहणारे ही अनेक स्मृती शेवटी शब्द असतात ते जोडणारे ही आणि तोडणारे ही शब्दांची किमया जाणणारा जगेन आनंदाने आताही आणि नंतरही

- सौ मीनल वानखेडे (विभाग प्रमुख गणित)

माझी मायबोली

माझी मायबोली सुरुवात झाली अ ने शेवट झाला ज्ञ ने , मधासारखी गोड बनली ती माझी मायबोली. अनेकांना करते ती एकत्र ती माझी मायबोली, मायेचा पाझर फुटेल आशी ती माझी मायबोली, जात, धर्म, पंत नाही तीला ती माझी मायबोली. प्रत्येकाचा मुखात असते ती माझी मायबोली, अभिमान आहे मला माझ्या बोलीचा ती माझी मायबोली, विश्वात मानले जाते तिला ही माझी मातृभाषा म्हणजे, मराठी...मराठी ...मराठी...

> - नंदिनी पाटील TYBSc Botany

मिटता पापणी जसे दिवस पटकन निघून गेले बघता बघता सारे काळामागे मिटून गेले...

Lecture नाही , Journal नाही कारण कोणतच नसेल भेटण्याची ओढ मात्र मनात रोजच असेल...

क्या लाया है Tiffin में आज? कुठेतरी आवाज येईल अन् कट्ट्यावरच्या मेजवानीची आठवण पुन्हा जागी होईल...

सहज कधी पतंग मनाचा हवेत उडून जाईल दोर कायम त्याचा आठवणीच्या फिरकीत अडकून राहिल...

> - कोमल धर्मेंद्र जाधव (TYBSc Zoology)

प्रिय आई.

"कोणत्या शब्दात सांगू आई, तू माझ्यासाठी काय आहेस?

भुकेल्या जिवेचा मायेचा घास तू, हृदयाच्या स्पंदनातील माझा प्रत्येक श्वास तू".

खरं तर प्रत्येक माणसाच्या आयुष्यात आईच स्थान वेगळचं आणि प्रथम असत. पण ते दर्शवण्याची संधी कधी मिळत नाही. माझ्या बाबतीत तर हे असच होत. आई तुझ्याबद्दल काय लिहू ग. तू आहेच इतकी गोड, प्रेमळ, मायाळू, रागीट . पण समजून घेणारी. माझ्या आयुष्यातली पहिली व्यक्ती तू आहेस जी मला सगळ्यांपेक्षा जास्त प्रेम करते, समजून घेते आणि मी कधी चुकले तर रागवते पण आणि समजावून देखील सांगते. मला तुझा हाच स्वभाव खूप आवडतो. आई ही अशीच असते का ग..?

तुला माहितीये ना आपण दोघी एकदम same दिसतो. बाकीचे बोलतात की तुम्ही दोघी बहिणी आहात का? बिहणीच माहीत नाही मला पण तू माझी सर्वात जवळची मैत्रीण आहेस(Best Friend) कारण तू माझ्या प्रत्येक गोष्टीत माझ्या सोबत असतेस. मी जर दुःखी असेल तर मनवतेस, समजावतेस. आई तू माझ्यासाठी स्वतःला किती त्रास करून घेतलास.

"आई ही एकच व्यक्ती आहे जी आपल्याला इतरांपेक्षा नऊ महिने जास्त ओळखते".

९ महिने मला तू तुझ्या पोटात वाढवलंस, संस्कार केलेस.९ महिने तू त्रास सहन केलास माझ्यासाठी, पण मी आता तुला माझ्याकडुन कधीच त्रास होऊन देणार नाही. मी कधी आजारी पडली तर सर्वात आधी तुझा जीव वर खाली होतो.

> "विधात्याची एक उत्तम कलाकृती तू अशी कलाकृती इतर कोणी निर्माणच करू शकत नाही तुला शतश: प्रणाम आई".

आई तु जी माझी काळजी करतेस ' लवकर घरी ये, प्रवास करताना काळजी घे, मज्जा मस्ती पुरे, आता जरा अभ्यास कर' ही तुझी ठरलेली वाक्य. ज्यामधून प्रेम, मया, ममता दिसून येते. हे आपल आई - मुलीचं नातं असचं घट्ट राहावं.आई बोलता येत नव्हतं तेव्हापासून आपल नात आहे. लहानपणापासून सगळ्या गोष्टी मी तुला सांगते. तु ते ऐकून घेतेस ते पण माझी एक चांगली मैत्रीण बनून. मी जशी जशी मोठी झाली तश्या तुझ्या माझ्याकडुन अपेक्षा वाढल्यात पण मी तुला वचन देते की तुझे सगळे स्वप्न मी पूर्ण करेल. आजपर्यंत जे मी तुला कधी सांगितलं नाही ते आज सांगते. I love you so much आई.. मी नेहमी तुझ्या सोबत असेल. तुला मी कधीच कसली कमी भासू देणार नाही.

ते म्हणतात ना,

"गोष्टी सांगायला लागते आजी लाड करायला लागते मावशी सोबत खेळायला लागतात भावंडं म आई कशाला लागते..? तर आई लागते ती ह्या जगात जगायला."

Ms. Saniya Jadhav FYJC

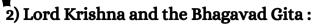
Mythological Tale of Banyan Tree

The banyan tree, scientifically known as *Ficus benghalensis*, transcends its biological existence to become a symbol deeply woven into the mythologies of various cultures, with Hinduism and Buddhism featuring prominently in its mythological significance. This magnificent tree, with its expansive canopy and unique aerial roots, has inspired narratives that span the realms of creation, spirituality, and the interconnectedness of life.

Hindu Mythology:

1) Kalpavriksha - The Wish-Fulfilling Tree:

In Hindu mythology, the banyan tree is revered as the 'Vata Vriksha' & 'Kalpavriksha, a sacred tree believed to grant wishes and symbolize eternal life. It is associated with various deities and holds a special place in the religious and cultural landscape.



One of the most prominent tales involving the banyan tree comes from the Bhagavad Gita, a revered scripture in Hinduism. Legend has it that Lord Krishna revealed his cosmic form to Arjuna while sitting under a banyan tree. This event is a pivotal moment in the epic Mahabharata, emphasizing the divine nature of the tree and its role in conveying profound spiritual teachings.

3) Trimurti and Cosmic Unity:

The banyan tree is also linked to the Trimurti, the Hindu trinity consisting of Brahma, Vishnu, and Shiva. Its expansive canopy and numerous roots symbolize the unity of these divine forces and the cyclical nature of creation, preservation, and destruction in the universe. The interconnected branches and roots illustrate the oneness of all existence.

Buddhist Mythology:

1) Enlightenment under the Bodhi Tree:

In Buddhism, the banyan tree holds immense significance as the Bodhi tree, under which Siddhartha Gautama attained enlightenment and became the Buddha. The story goes that Siddhartha, after years of meditation, finally reached enlightenment while seated under the Bodhi tree. This event symbolizes the triumph of spiritual wisdom over ignorance.

2) Symbolism in Buddhist Teachings:

The banyan tree's symbolism extends into various Buddhist teachings, representing the vastness of knowledge and the interconnected nature of all living beings. The tree's ability to send down aerial roots and create additional trunks mirrors the interconnectedness of the individual with the broader context of existence.

Southeast Asian Beliefs:

1) Dwelling Place for Spirits:

Across Southeast Asia, the banyan tree is often considered a dwelling place for spirits. Local beliefs suggest that spirits inhabit these trees, and cutting them down is avoided to prevent disturbing these spiritual entities. This belief highlights the tree's association with the mystical and the unseen.

2) Cultural Practices and Rituals:

The banyan tree plays a role in various cultural practices, where communities may gather near these majestic trees for ceremonies, rituals, or gatherings. These practices reflect the cultural significance of the tree as a symbol of auspiciousness and spiritual power.

Symbolism Beyond Religion:

1) Endurance and Longevity:

The banyan tree's symbolism extends beyond religious contexts into cultural practices, emphasizing concepts of longevity and endurance. Its ability to adapt and thrive in diverse environments, coupled with the longevity of its life cycle, has led to the tree being seen as a metaphor for endurance in the face of challenges.



The intricate network of aerial roots and branches in the banyan tree serves as a powerful metaphor for the interconnectedness of all life. This symbolism aligns with broader philosophical and spiritual concepts that recognize the interdependence of living beings and the environment.

Practical Uses and Medicinal Properties:

1) Practical Utilization:

While the banyan tree holds immense mythological and symbolic significance, it also serves practical purposes in various cultures. Its leaves are often used as fodder for cattle, and its wood finds application in construction and other utilitarian needs.

2) Medicinal Applications:

Traditional medicinal practices in some cultures incorporate various parts of the banyan tree for their perceived health benefits. From treating skin ailments to addressing digestive issues, different parts of the tree are utilized in traditional healing practices.

In conclusion, one can say, the banyan tree's mythology is a rich tapestry that intertwines with the cultural and spiritual narratives of diverse societies. From being a symbol of divine revelation in Hinduism to representing enlightenment in Buddhism, and serving as a dwelling place for spirits in Southeast Asian traditions, the banyan tree's significance is multifaceted and profound.

Its symbolism extends beyond religious boundaries, encompassing themes of endurance, interconnectedness, and the cyclical nature of life. As communities continue to revere and protect these majestic trees, the banyan's mythology remains an enduring testament to the human inclination to find profound meaning and inspiration in the natural world.

Ms. Pooja Tiwari SY.Bsc.BZ

The Paradox of Human Evolution: Instant Gratification

Instant gratification is the immediate fulfilment of a person's needs or desires. When someone makes an impulsive choice to do something for the instant feeling of pleasure or satisfaction, they are receiving instant gratification. Eg: Impulse shopping, eating fast food, scrolling through social media, playing video games, drinking alcohol, skipping workout.

In an era of instant gratification, the paradox of human evolution becomes increasingly evident. As technology enables us to get what we want with a simple click, we find ourselves grappling with the consequences of this convenience. At the heart of instant gratification is one of the most basic drives inherent in humans: the tendency to see pleasure and avoid pain. This tendency is known as the pleasure principle. It refers to the desire for immediate satisfaction and the tendency to prioritise short-term pleasures over long-term goals. It has significant implications for human behaviour. It can lead to impulsive decision-making, decreased patience, and a reliance on convenience. This era of instant access has created a culture of immediacy, where we expect instant results and have less tolerance for delayed gratification. Understanding these effects can help us navigate this paradox and find a balance between instant gratification and long-term fulfillment.

So How Does Instant Gratification Work? The answer being - The limbic system, also known as the instant gratification seeker – is one of the most dominant parts of the brain. It lives in the now and loves pleasure and reward. It's what generates cortisol when we're stressed out about something and dopamine when we experience pleasure.

It is responsible for what psychologists call present bias or the urgency effect. It simply means that we tend to value immediate rewards or payoffs that are closer to the present time than those farther in the future. As humans, our brains are hardwired to seek out behaviors that release dopamine in our reward system. When you're doing something pleasurable, your brain releases a large amount of dopamine. You feel good and you seek more of that feeling. This is why junk food and sugar are so addictive.

Thus, Instant gratification is wanting that dopamine as quickly and easily as possible. Hence they turn to likes on posts, junk food, pornography, etc. You get a text notification? Feels good. Dopamine. Order delivered. Food arriving. Likes on your picture. All this contributes to a constant need for validation. But the scary part is that dopamine is the same chemical that releases when you drink, smoke, and gamble.

So, How to outsmart this feeling of Instant Gratification? We can do that by increasing dopamine naturally by following a healthy diet, consuming probiotics, exercising regularly, getting more sleep, practicing meditation and also following Delayed Gratification. Delayed gratification is being able to trade your present happiness for a greater amount of future happiness and if you're anything like the rest of humanity, you're probably terrible at it. We live in a world with soaring consumer debt, rising rates of drug addiction, worsening mental health - all outcomes associated with failures of delayed gratification. Unlike instant gratification, which is instinctual, delaying gratification is a skill we learn and acquire. Delayed gratification involves selecting pain over pleasure but results in greater rewards because it fulfills our higher-order and longer-term needs, such as comfort, power, achievement, self-worth and increases our patience.

In our modern society, we live for a long time, and what may give us a quick fix of pleasure may also result in longer-term pain. We no longer need instant gratification for survival. Unlike our ancestors who ate when they saw food because they may not have known where their next meal would come from, we don't need to indulge whenever we see food. The desire for instant gratification is innate to humans and is rooted in our survival. The fundamental things that humans need to survive are designed to provide pleasure, like food, drink, sex, sleep, and social interaction. Not coincidentally, these are the acts we indulge in when we seek instant gratification.

The highest achievers in the world are the ones who have best learned how to delay gratification and focus on longer-term achievement. We, too, can train your mind to learn how to delay gratification and to wait for the more significant rewards that far outweigh the quick fix you get through any instantly gratifying alternative.

-Priyanka Thakur Vira MSc. - Part I, Clinical Psychology

When we first met

In a school hallway bustling and wide, Amid the students's laughter and teacher's pride, When we first met, our path's did collide, In this place of learning side by side.

A classroom's door opened, and fate took its role, Coincidence played a part, like a dice on a roll, When we first met, it touched the soul, In a school scenario, where stories unfold.

Books and chalkboards, desk in a row, We found ourselves there, as our friendship did grow, In a school scenario, where young minds sow, Seed of knowledge, and friendships aglow.

Through lessons and laughter, our bond took its flight,
When we first met, it just felt right,
In a school setting, out futures in sight,
A story of friendship, from that very first light.

Himanshu Sharma TYBSc IT

Laughing, smiling, full of glee, A gathering of friends, a joyful spree; Humming, giggling, moments so bright, A colorful evening, memories taking flight.

When this party is adorned with cheer, Death will be far from us, our fear; Lost in our own shades, in our haze, Leaving behind this gang of craze.

By joining laughter and infectious mirth, Incomplete dreams, by every street we retrace;

If life grants this companionship, we will embrace,

And live those moments again, as the soul of this celebration.

Mr. Vikas Yadav TYBSc IT

खयाल

नफ़रत थी उस खयाल से भी की कभी वो हाथ छोड़ जायेगी, नफरत थी उस सवाल से भी की क्या कभी वो साथ छोड जायेगी?

इस खयाल में, उस सवाल में गुमसुम बेकस उलझा हु ऐसे, बेसहाय तन्हा मन सोच रहा अब इसे सुलजाऊं तो सुलझाऊं कैसे?

मैं घूम रहा उसी खयालों में, जैसे बेसुध मै राधा बना, जिसे बंसीधर की चाह थी जैसे, प्रेम ही उसकी आराधना।

खास तो तुम आज भी लगती हो मुझे... खास तो तुम आज भी लगती हो मुझे, बास बाते हुई है कम... जब भी याद करू तुम्हे, आँखे हो जाती है नम...

Mr. Tanmay Sangale FYJC

बेटिया

प्रेम से जीवन को सवारती है बेटिया, काली और दुर्गा रूप कहलाती है बेटिया, हर मुसीबत को अपनाती है बेटिया , सिर्फ नेम के लिए देवी की तरह पूजी जाती है बेटियां, हा आज भी पराई है बेटिया , हा आज भी पराई है बेटिया,

मान सम्मान को बचाती है बेटिया , कोई भी कदम उठाने से पहले कई बार सोचती है बेटिया कहा जाता है आजाद है ,ये फिर क्यों रुलाई जाति है बेटिया , हा आज भी पराई है बेटिया, हा आज भी पराई है बेटिया,

जन्म दिया जिन बेटियो ने जिन्हे उन्होंने ने ही इन्हें मौत के घाट उतारा है, वंश को बढ़ाने वाली है बेटिया, फिर भी दहेज के आग में झुलसती है बेटिया , हा आज भी पराई है बेटिया, हा आज भी पराई है बेटिया,

दुष्कर्म हुआ है जिन बेटियो के साथ समाज ने क्यों उन्हें ठुकराया है , गलती न होने पर भी कटघरे में उन्हें ही खड़ा किया है , हा आज भी किसी ने,ना अपनाई है बेटिया , हा आज भी पराई है बेटिया, हा आज भी पराई है बेटिया,

> -सरस्वती यादव TYBSc IT

स्नेह तो है पर शौर्य नहीं, की कह दूं मैं मन की यह बात, घुट घुटके के ही जीता था, अब घोट रहा दिल के जज्बात

अब इस दूरी से बस नफ़रत है, कुदरत जरा दिलदार जो हो, कब्र से भी चल जायेगा, इक आखिरी बार दीदार तो हो।

Mr. Rohan Patil MSc Part II Data Science

NSS कॅम्प ची ती सकाळ

कॅम्प ची ती सकाळ. थोडी आनंदाची थोडीशी उदासीची. उदासीची का तर सात दिवस आई-बाबांना भेटता नाही येणार. पण तितकीच आनंदाची सुद्धा की सात दिवस एका आश्रमात राहण्याचा आणि गावाकडची राहणीमान पाहण्याचा एक नवीन अनुभव येणार होता. आठ वाजताच्या सुमारास आमची बस निघाली मान आश्रमाकडे... खूप उत्साह आनंद आशा आणि मस्ती करत करत...

आश्रमात पोहोचतात तिकडच्या मुलांचा आवाज ऐकून एक नवीन उत्साह आला होता. मग आमची फॉलिन झाली, ग्रूप्स पडले, ग्रूप्स ला नाव पडली-गंगा, कावेरी, ब्रह्मपुत्रा, नर्मदा, इत्यादी.कोणती टीम कोणत्या दिवशी काय काम करणार सगळं ठरवून झालं आणि झाला दिवसाचा दिनक्रम सुरू....

श्रमदान, खेळ ,जेवण, साफसफाई , गप्पा यामध्ये कसा वेळ जायचा समजायचेच नाही.एके दिवशी आम्ही मान गावात पथनाट्य करण्यासाठी गेलो होतो. कोणत्या कार्यक्रमात पथनाट्य करणे आणि गर्दीत जाऊन पथनाट्य करणे हा अनुभव काहीतरी वेगळाच होता. आपले विचार समोरच्याला पटतील का? चुकलो तर कुणी काय महणेल का? या सगळ्या गोष्टींमुळे एक आत्मविश्वास निर्माण झाला.

आई-बाबांशी सात दिवस दूर राहणे जड वाटत होते पण ही आश्रमातली मुलं वर्ष वर्षभर दूर कशी बरं राहतात... आश्रमातल्या मुलांकडून खूप काही शिकण्यासारखं होतं स्वतःहून सकाळी लवकर उठून सगळी काम आवरून तयारी वगैरे करून शाळेत जानं. इथे आई सगळं करून देते तरी कॉलेजला जायला उशीर पण काहीही असो त्यांच्या मधला समन्वय बघून उर भरून आले होते. मोठी मुले लहान मुलांना अशी सांभाळतात जणू काही त्यांचीच मुले असावीत. जेवणाची शिस्त, रात्री वेळेवर झोपण्याची शिस्त आणि सर्वात महत्त्वाचं बिना मोबाईलचे जीवन जगणं

कसं काय जमत असेल त्यांना याचाच विचार करीत राहिलो.

या सात दिवसात आश्रम शाळेच्या मुलांकडून खूप काही शिकत होतो. आमचा कॅम्पचा दिनक्रम खूप छान चालू होता. विना फोनचा पण जीवन जगू शकतो हेही समजलं. सकाळचा चहा तर न चुकवणार होता, ब्रेकफास्ट, जेवण केव्हा नकोसा वाटलाच नाही. जेवणात पण एक नियम होता " ताटात एक कढीपत्ता सुद्धा राहिला नाही पाहिजे." असंच सर्व काही सुरळीत चालू होतं.

प्रत्येक दिवशी ५ मिनिटांसाठी घरी बोलायला seniors चा किंवा pos चा फोन मिळायचा. दिवसभरातल्या सगळ्या गोष्टी घरच्यांना संगाव्याश्या वाटायच्या. आई आज हे झालं,आम्ही खूप मज्जा केली, दादा ला सांग आम्ही आज सापाच्या बाजूला उभे होतो..पप्पा आज आम्ही स्वतःहून इतक्या लोकांचा जेवण बनवला. आणि समोरून आई

पप्पा खूप कौतुक करायचे.आणि फक्त बोलायचे काळजी घे आणि लवकर जा झोपायला.

सगळं काही सुरळीत चालू असताना कल्चरल नाईट च्या दिवशी असं काही झालं की त्याची कोणी कल्पनाच केली नव्हती. आमच्या ग्रुप मधल्या एका दादाला चक्कर आली आणि तो डोळेच उघडत नव्हता. जास्त काही झालं नव्हतं पण थोडसं सुद्धा समजलं तरी घाबरायला होतं. शिक्षक त्याला डॉक्टरांकडे घेऊन गेले आणि तो लगेच बराही झाला. पण यावरून अशी शिकवण मिळाले की, कोणतीही मोठी सिच्युएशन असली तरी त्याला किती शांतपणे सांभाळायचं.

आश्रमातल्या मुलांचा लागलेला लळा, त्यांना सोडून यावसं वाटतच नव्हतं.आमच्या Seniors नी आणि POs नी आमची खूप काळजी घेतली होती... जणू काही एका आईचे लेकरे. लागलं, खरचटलं, जेवायला नको, हे नको, ते नको म्हटल्यावर त्यांचा मायेचा ओरडा... आईने मुलाला सांभाळावं तसंच आमच्या POs ने आम्हा 120 जणांना सांभाळलं होतं.NSS मध्ये राहून आत्मविश्वास तर वाढला आणि आता कॅम्प मध्ये राहून बऱ्याच गोष्टींमधे सुधारणा ही झाल्या.NSS कॅम्प मध्ये मज्जा तर होतीच पण सकाळी लवकर उठण्याची लागलेली सवय, एका शिट्टी वर Fallin मध्ये येऊन उभे राहणे, सकाळचा योगा, लक्षगीत, प्राथर्ना, श्रमदानामध्ये लावलेलं वांगी,शाळेत जाऊन मुलांचे लेक्चर्स घेणे, वेगवेगळ्या स्पर्धा, रात्रीचा कॅम्प फायर, बॅरेट मधल्या गप्पागोष्टी, किचन मधल्या मीटिंगस, कधी कधी खालेला सिनियर्स चा ओरडा सर्व काही होतं.

कॅम्प चं महत्त्व शब्दात व्यक्त तर नाही होणार पण आठवणी मात्र कायम स्मरणात राहतील.हा सात दिवसांचा कॅम्प अजून जास्त दिवसांचा असावा, असं वाटू लागलं होतं. पण शेवटी घरी यावच लागणार होतं. डोळ्यातले अश्रू मोठमोठ्याने बाहेर येत होते. पण हा सात दिवसांचा प्रवास इथेच संपवावा लागणार होता.

जसे उडून जातात पक्षी... त्यांची पिसे उरतात हातात... तसे उडून जातात सुंदर दिवस... आम्ही पण उडून जाणार जगाच्या गर्दीत हरवायला... मग वेळच उरणार नाही आम्हाला या कॅमच्या आठवणी जाग्या करायला... इथेच मिळाला खजिना ज्ञानसंपत्त्येचा... इथेच गवसला आनंद आमच्या आयुष्याला... विसरणार नाही या मान आश्रम शाळेस... इथेच तर मिळालय वळण आमच्या आयुष्याला...

- मृणाली शरद पाटील (SYBSc CB)

महामारीपूर्वी आणि नंतर

२५ मार्च २०२० हाच तो दिवस ज्याने पूर्ण भारताला एका बंद घरात राहण्याची वेळ आणली. भारत सरकारने पुढचे २१ दिवस घराबाहेर पडू नका असा आदेश दिला. म्हणजेच भारतात लॉक डाऊन झाले. सगळ काही सुरळीत चालू असताना सुरुवात झाली त्या महामारीला. एकाचे दोन दोनचे चार असे करता करता अनेक रुग्णांची संख्या वाढू लागली.

या काळात कोणाची आई, कोणाचे बाबा, कोणाची बहिण, तर कोणाचा भाऊ अश्या अनमोल व्यक्तींना गमावून बसले. या वरच थांबले नाही तर अनेकांना आपला जीव अन्नविना गमवावा लागला. २१ दिवस घरात होते नव्हते तेवढे संपल्यावर काय करणार होते लोक? शेवटी वेळ आली चोरी करण्याची. जीवाला न घाबरता आपल्या मुलाबाळांसाठी घराबाहेर पडण्याची आणि कुटुंबासाठी स्वतः चा बळी देण्याची. सुखाने जीवन जगणारे स्वतः च्या आयुष्यालाच कंटाळले. एका आजाराने पूर्ण भारताला वेशीला टांगले. हा बरोबर कल्पना करताय तुम्ही covid 19 म्हणजेच कोरोना विषाणू.

नको नको तें घडले शिक्षणात अडथळे, व्यापारात अडचणी, वाहतूक ठप्प, किराणा बंद, पंचवीस लोकांमध्ये लग्न, आशा अनेक समस्या येऊन उभ्या राहिल्या. " मोबाईल घेऊ नकोस "अस ओरडणारी आई सुद्धा स्वतः हातामध्ये मोबाईल देऊन अभ्यास कर अस बोलू लागली. या महामारीमुळे मुलांचे आकर्षण मोबईलेकडे अजूनच वाढू लागले आणि अभ्यासकडे दुर्लक्ष होऊ लागले. पण ति आई तरी काय करणार वेळच अशी आली होती.

या महामारीने माणसाला भिकेला लावले. महागाईचे जणू डोंगरच कोसळले. प्रत्येक गोष्टीमध्ये पैशांचा दर वाढू लागला. या अशा परिस्थितीमध्ये कुटुंबाचा निवारा करायचा तरी कसं? असा प्रश्न घरातल्या करत्या पुरुषाला पडू लागला. ज्या आईचा मुलगा गेला तिने स्वतः ला सावरून पुढच्या आयुष्याची वाटचाल धरली. अनेक डॉक्टर, पोलिस, सरकारी अधिकारी आपल्या परिवारांपासून लांब झाले. पण या महामारीच्या काळातले ते हिरो होते. ज्यांच्या मुळे आज पुन्हा हे नव्याने आपले आयुष्य जगतात. आपल्या बापाच्या हाताने आपले कन्यादान होईल असा विचार करणारी मुलगी बाबांना या महामारीच्या गर्दीत हरवून बसली. पण एक झाले ज्या लोकांना घरातल्यांना वेळ देता येत नव्हते ते पूर्ण दिवस घरातल्यांसोबत राहिले.

प्रत्येक गोष्टीत असणारा तो गोडवा कुठेतरी या काळात नाहीसा झाला. चांगल्या सवयी लागल्या त्या सोबत वाईट सवयींना लोकांना तोंड द्यावे लागले.

> "काळ सरत गेला आणि माणूस हळू हळू घडत गेला." " नियंतीचा हा खेळ, नव्हता हरण्या जिंकण्याचा मृत्यूशी झुंज देतांना ताठ मानेने उभा होता माझा देश."

> > -Nandini Patil (TYBsc Botany)

विज्ञानाची किमया की माया....

संकोचला आता काळ संकोचली नी अंतरे घडविली मानवाने जगी किती मन्वन्तरे ||

विद्यानाच्या जादूच्या कांडीने एक जग जादूनगरी झालं. कोणी पूर्वज जर आला तर ओळखणारच नाही हे जग. जागेवरून टीव्ही सुरू करणे,मोबाईल फोनवरून बोलणे, एका दिवसात गावाला जाऊन परत येणे.... पाहून तो चक्रावेलच. थंडीतही आम्ररस खाताना बर्फासारखा गोठून जाईल. 'इदं न मम' म्हणत माघारा जाईल बिचारा!

विज्ञानाच्या दुडक्या चालीने गृहिणी सुखावली. दळण्याच्या जाती जाऊन आता तर पिठाची गिरणी घरातच आली. फूड प्रोसेसर, कुकर, ओव्हन यांनी वेळ वाचवला. शेगड्या चुलीत जाऊन बायोगॅसने धुराचे त्रास वाचवले. फ्रीजने अन्न साठवून नासाडी वाचवली व पूर्ण पुनरस्वयंपाकाचे श्रमही. नळाला हवे तेव्हा गरम पाणी येऊ लागले. दिव्यांनी घरे उजळली. हिटर,कुलर ने हवेचे तापमान नियंत्रित केले. फॅनने हवा खेळती केली. एका विजेच्या वापराने किती विविध सुख हाती आले! घरातील जीण सुखावलं तसं घराबाहेर जाणंही! वाहनांनी तंगडतोड वाचवली. डोंगरदरी,नद्या,खाडी,समुद्र प्रवास रोखू शकत नाही. एकाच वेळी एका वाहनातून शेकडो लोक प्रवास करू शकतात. प्रवास कटकट उरली नाही... कारखाने निर्माण झाले.

आधुनिक यंत्रांनी कामगार विसावले. अवघड,अवजड कामे दुर्बळ माणूस सहज करू शकतो. रोबोटिक्सने दिलासा दिला. समाजातील सुखसाधने वाढली. संपर्क वाढला... अणु युगाने शक्ती वाढवली. लेजर,सुपरकण्डक्टिव्हिटीने विज्ञानाच्या प्रगतीला अजून गतिमान केले.

लशींनी रोगांना जागेवरच गारद केलं. आधुनिक उपकरणे व चिकित्सा साधनांनी रोग कोंडीत पकडले गेले. विविध गुणकारी औषधाने भयावह रोग कह्यात आले. आता अवयवही बदलले जाऊ लागले. पंगुपणा,अंधत्व यावर मात होऊ लागली. प्लास्टिक सर्जरीने चेहराही बदलला जाऊ लागला. आयुष्य विस्तारली. सुळसुळत्या,चकमकत्या, रंगबेरंगी कपड्यांनी माणसं देखील देखणी होऊ लागली.

शेती बहराला आली. उत्तम बीजे,उत्तम खते,कीटकनाशके दर्जा वाढवू लागली. कमी पाण्यातही ठिबक सिंचन,स्प्रिंकल्सने शेती फुलू लागली....

वाचलेल्या वेळात माणूँस आवडीचे छंद करू लागला. साहित्य, कला, क्रीडा यांचा आस्वाद घेऊ लागला. कॅमेऱ्याने, ऑडिओ,व्हिडिओ कॅसेट्स ने स्मृतींची आठवण करू लागला. उत्तम क्षणिचित्रे जपू लागला.... आता तर संगणक यंत्र मंत्र झालाय नव्या युगाचा. जोजे वांछील तो ते देणारा. मानवी कृतींची,व्यवहारांची अचूकता वाढली.... चंद्रावर पाय ठेवणे 'पायाचा मळ&' वाटू लागला. सारे ग्रहगोल टिपून झाले. दहा लायब्रऱ्या एका छोट्या तबकडीत साठू लागल्या.... इंटरनेट मॉडेलने पृथ्वीची सागरगोटी केली. ई-मेलने दहा सेकंदात मोठे पत्र न्यूयॉर्कच्या मित्राच्या टेबलवर पडू लागलं... काय आणि किती? प्रश्नचिन्हच...

विज्ञान प्रगती,त्याला न गणती | | हे सारे भोगताना एक प्रश्न ओठी येतोच -फिटे अज्ञानाचे जाळे,झाले जीवन मोकळे माझ्या मनाला न कळे सुखपुढती का पळे?

> -Mr. Harshad Vaity SYBSc BZ

NSS CAMP An Unforgettable Experience

"You can leave the camp but the camp seems to follow you". The memories which I brought back along with me from the 7 days residential camp 2023-2024 conduced by NSS unit of B.N. Bandodkar college of science were a great hit. It was held in shantivan (Panvel). The place was mind blowing. Actually, I had doubt how are we all really going to live without phones in village for 7 days. But day by day, I understood that we really don't need phones. A first, I didn't even knew any of my team members except one or two may be but in the end, that team supported, helped and cared a lot of me. Those people whom I didn't even know on first day become my whole family till last day.

There were competition, sports, cultural, exercises, shramadan, project and also studies. Everything was handled perfectly by our core committee members and PO mams. Also the people who were invited for guest lecture taught us a lot of things that are going to be very helpful for our future. And food, that was just awesome. There was a rule that we cannot waste any food. But the food itself was so testy that no one could even think of wasting it. And speaking about team, those all were awesome. They made me leader but actually they take care of me more. There coordination, discipline, talent everything was at it best. All days committee members and teachers observed everyone and at the last day a medal was rewarded for the deserving person who was best volunteer for 7 days in term of discipline, behaviors, attitude, talent and everything else. I wasn't expecting it to be me, I didn't even thought about it that much. I was just working according to rules and going on, but it's true, "when you aren't expecting and just doing things as you want, good things happen" But it wouldn't had been possible without NSS.

I would also thank to the PO mams. It all happened because of them. They also enjoyed with us, became one of us as well. And the most important people without whom this camp wouldn't even be so good, that are our core committee members.

They were all just perfect in everything. Handling this many students is a skills and they have a lot of it. They helped and cared about us as our parents do. And in the end when we had to come we all had tears in our eyes. Because everyone just realized that those were the moments, they became memories now and those days. The camp has really became a life changing event for me. It thought me lot. It showed my hidden talents. Also I had this time to explore my qualities and develop my personality I really didn't thought I would've so many friends, but the camp gave me that as well. It's really unforgettable and inexpressible. Thank you to every one who believed me and giving me this great opportunity to experience.

-Miss. Preksha Parab, FyBsc (ZBC)

Winner's Corner FALLING IN LOVE

Someone is peeping from those shiny clouds. Just finding that face in every other crowd.

Evening full of clouds in the sky with a light orange shade. A glimpse of her seen in the crowd made me fade.

Eye contact with her started increasing my heartbeat. Surroundings changed into a film, everything on a slow beat.

She saw me looking at her and began to smile. My heart melted there, and I started blushing for a while.

After a few days, we were good friends and started being together.

A beautiful walk with her made my life much better.

I think I am in love with her, and it's the special feeling. Day and night, thinking about her while staring at the ceiling.

Golden time spent with her was the best of my life. I want her as a life partner for the rest of my life.

Falling in love is not just a process its an emotion Loving her truly was one of my best decision

> -Mr. Amol Choughule FYBSc (ZBC) Runner Up of Poem Writing Competition organized by Blue Star Publication

NEP (National education policy)

The NEP (National education policy) is a policy which describes our nation's education policy. The previous education policy was initiated in 1986, 37 years ago. The New education policy or national education has bought several changes to current education policy. The National education policy aims in making students job ready.

NEP is our national education policy which controls the education system of our country, It was initiated 3 years ago on 29 July 2020 by the education bureau with an aim to make students job ready and well prepared to the competitive world . The previous education system favoured only the students with higher grades which deprived the low grade students from opportunities but the NEP favours skilled students even with low grade . The old Education policy applied the 10+2+3 role which is basically 10 years of secondary education (school) , 2 years of higher secondary education (Jr college) and 3 years of undergraduation .

The old education (policy) system only made students to mug up things and score good grades and only prioritised grades over practical knowledge due to which when these students went to factories and industries they lacked the practical knowledge for jobs. The students who couldn't afford education had to drop out of colleges and had end to their education. These factors made many difficulties in the progress of (child) student. Practical knowledge, work skills, personality was never considered by the previous education policy. Students were graduated but lacked the idea of their field. They did not have the exposure to the rapidly developing world.

The education bureau understood after these 36 long years what our education policy lacked something, which only prioritized theory over practical knowledge. As a coin has two sides, our previous education system also had some benefits (advantages). The previous education system allowed only capable and eligible students who always dreamt of the field and had the resources to pursue them. The fact is only interested and hard working students were capable to pursue them. Some of them lacked the resources to pursue them. So they were deprived of their chances to pursue their dreams.

The NEP has made a lot of changes in our existing education policy. The implementation of more practical knowledge than theory , reduction of exams and a burden on the developing minds. According to many journals , the NEP has made changes in both Secondary and higher Secondary education. In schools , children do not need to give exams every year, as in previous years . According to NEP, students of primary education only need to give exams in class 2 , 4, 5, 7.

The pressure of mugging UP has been reduced significantly. These children will have more hands-on work experience. Now the students can continue their education from where they stopped. As for the next generation, the students of undergraduate level, BSC students will have four years of BSC and one year of MSC. 4 years of BSC is only for students with O grade. These courses will be more practical and interesting to study. This can ensure more development of students to compete with students of other countries too.

The NEP has been a change for new students but to children who are still under old education system feel jealous about them as they are just burdened with theory knowledge which is nothing compared to practical knowledge. But seeing a change in the system is better than to never see a change. The students of India have always been complaining about the education system of our country. The complaints of previous generation and batches have now finally been answered with this new National Education policy. We hope that under this National Education policy, our country and students may develop even better.

Alwin Nadar SYBSc - Biochemistry Shortlisted Essay on NEP 2020 Essay Writing Competition organized by Dept. of Biochemistry

नवीन शैक्षणणक धोरण 2020 [NEP 2020]

NEP 2020 तब्बल 34 वर्षानंतर आपल्या देशात लागू करण्यात आले आहे. NEP 2020 हे इस्त्रो चे प्रमुख के. सी. कस्तुरीरंगन यांच्या अध्यक्षतेखाली NEP 2020 याचा मसुदा तयार करण्यात आला आहे. येणाऱ्या काळात शैक्षणिक क्षेत्रात विशेष अमुलाग्र बदल करण्यात येणार आहेत. नवीन शैक्षणणक धोरणामुळे विद्यार्थ्यांना आपल्या आकलन क्षमतेनुसार व आवडीनुसार शिक्षण घेण्यास मदत होणार आहे. भारतात पहिले शैक्षणिक धोरण इंदिरा गांधी यांच्या काळात 1968 साली जाहीर करण्यात आले होते. त्यानंतर राजीव गांधी यांच्या काळात 1986 साली दुसरे शैक्षणिक धोरण लागू करण्यात आले, त्यानंतर 1992 मध्ये आचार्य राममुर्ती यांच्या अध्यक्षतेखाली 'राष्ट्रीय शिक्षण धोरण कृती आराखडा' ही समिती तयार करण्यात आली. 2009 साली शिक्षण हक्क कायदा लागू करण्यात आला.

नवीन शैक्षणिक धोरण 2020 च्या अंतर्गत शालेय व उच्च शिक्षण विभागात अमुलाग्र बदल करण्यात आले आहेत. शिक्षण अभ्यासक्रमांना वेगवेगळ्या शैक्षणिक शाखांमधून बाहेर काढून आंतरशाखीय आणि समन्वयी करण्यात आले आहे. याचाच अर्थ असा आहे की एकाचवेळी आपण उच्चशिक्षण घेत असताना आपल्या आवडत्या विषयाचा अभ्यास करू शकतो. नवीन शैक्षणिक धोरणानुसार विद्यार्थ्यांमध्ये वैज्ञानिक दृष्टिकोन निर्माण व विकसित व्हावा यासाठी भर दिला आहे.

या धोरणानुसार तीन ते चौदा वर्षांच्या वयोगटातील विद्यार्थ्यांना शिक्षण हक्क कायद्याच्या कक्षेत आणले आहे. यापूर्वी हा वयोगट सहा ते चौदा वर्ष होता. शालेय शिक्षणाची रचना आता 5+3+3+4 अशी करण्यात आली आहे. ५ वर्ष मूलभूत- नर्सरी, जूनियर के.जी, सिनिअर के.जी, इयत्ता पहिली व दुसरी. तीन वर्ष प्रारंभिक शाळा. नवीन शैक्षणिक धोरणामुळे विद्यार्थ्यांला त्याला हवे तसे शिक्षण घेता येईल. 3 ते 8 वयोगटातील शिक्षण हे मूलभूत शिक्षण समजले जाईल. आणि त्यासाठी बालसुलभ शिक्षण व अभ्यासक्रम विकसित केला जाईल. विद्यार्थ्यांना नवीन शैक्षणिक धोरण 2020 च्या अंतर्गत ऑठवीपासून वोकेशनल विषय घेऊनही शिक्षण दिले जाईल. विद्यार्थ्यांला त्यांच्या मातुभाषेमध्ये शिक्षण घेणे यामुळे सोपे होणार आहे. उच्चशिक्षण घेत असताना नवीन शैक्षणणक धोरणषम्ळे खुप मोठी मदत विद्यार्थ्यांना मिळणार आहे. पदवी शिक्षण घेत असताना नवीन शैक्षणिक धोरणामुळे आपल्याला आवडणाऱ्या तसेच ज्या शाखेमध्ये आपण शिकणार आहोत त्या शाखेचे विषय व त्याच बरोबर आपल्या आवडीचा एखादा विषय घेऊन शिकायला मिळेल. काही कारणास्तव पहिल्या वर्षी किंवा दुसऱ्या वर्षी पदवी शिक्षण सोडून गेलो तर नवीन शैक्षणिक धोरणामुळे आपण कधीही परत हे शिक्षण पुन्हा पूर्ण शिक्षण घेवू शकतो. हा कायदा नवीन शैक्षणिक धोरण 2020 मुळे लागू झाला आहे. फक्त शालेय किंवा महाविद्यालयीन अभ्यासक्रमाचेच गुण मिळतील असे आता राहिले नाही, विद्यार्थ्यांचे इतर गोष्टींमधून त्यांची आवड जोपासून जसे की खेळ, कला, व इतर क्षेत्रांमधून सुद्धा गुण दिले जातील. यामुळे विद्यार्थ्यांना मोठा फायदा होणार आहे तसेच त्यांना त्यांची क्षमता वाढवण्यास ही मदत मिळणार आहे. पदवी शिक्षण आता चार वर्षांचे होणार आहे तर चौथ्या वर्षात तुम्ही रिसर्च म्हणून तुम्हाला ही संधी दिली आहे. आपल्याला जर ३ वर्षामध्येच पदवी शिक्षण पूर्ण करायचे असतील तर ते ही आपण करू शकणार आहोत. आणि यामध्ये पदवी शिक्षण पूर्ण झाल्याचे गुणपत्रक व प्रमाणपत्रक देण्यात येईल. परदेशात दिल्या जाणाऱ्या उच्च शिक्षण व पदवी शिक्षण कसे असते त्याचाच उलगडा करणारा कायदा किंवा धोरण म्हणजेच 'नवीन शैक्षणिक धोरण 2020'.

यामुळे विद्यार्थी आपली क्षमता तसेच देशाचा एक सृजण नागरिक कसा होईल तो त्याची उन्नती कसा करू शकेल, त्याचा पाया शिक्षणामध्ये कसा भक्कम केला जाईल, पुढे भविष्यात आर्थिक दृष्ट्या कसे सबल केले जाईल या सर्व मुद्यांना अनुसरून व लक्षात घेऊन विद्यार्थ्यांच्या भल्यासाठी हे धोरण लागू करण्यात आले आहे. याचा खरोखरच देशाला फायदा होईल व भविष्यात येणाऱ्या प्रत्येक विद्यार्थ्यांला सबल होण्यास मदत होईल.

-Ms. Malika Kadam (FYBSc Biochemistry) Shortlisted Essay on NEP 2020 Essay Writing Competition organized by Dept. of Biochemistry

College Activities



Visit to the Department of Biochemistry and Forensic Science, Gujarat University by Biochemistry Department



Mr. and Ms. Mathelete 2024 contest organized by Dept. of Mathematics



The Art of Texidermy by BWCM Students



Exploration of VPM Campus for Wing-Insects by Human Science Students



Mega E-waste collection drive by Green Club



Intercollegiate Fest organized by Dept. of Statistics



Visit to Adani Dahanu Thermal Power Station organized by Dept. of Physics



Industrial Visit at Kerala organized by Dept. of Chemistry



Study Tour at Jaipur by Department of Zoology, Human Science & EVS



Quick Heal Foundation Award to College



Hon. Justice Shri. Salvi and NGT Expert Dr. Vijay Kulkarni in National Seminar



Dr. Devyani Ladhe Selected for Thane Zone Sports Committee



One Day Workshop on 'KOHA' Software jointly organized by Sister Institutes



Felicitation of Mr. Amol Choughule (Co-Author of Book 'You and Me') by hands of Chairman Dr. Vijay Bedekar



4×100 Mtr. Relay Silver Medal in District Level Swimming Competition



Mr. Prasad Patil secured Gold Medal in Artistic Gymnastic National Competition



Bronze Medal in District level 4×100 Relay Team event



Felicitation of Ms. Shravani Palkar Consolation Prize at International Elocution Competition