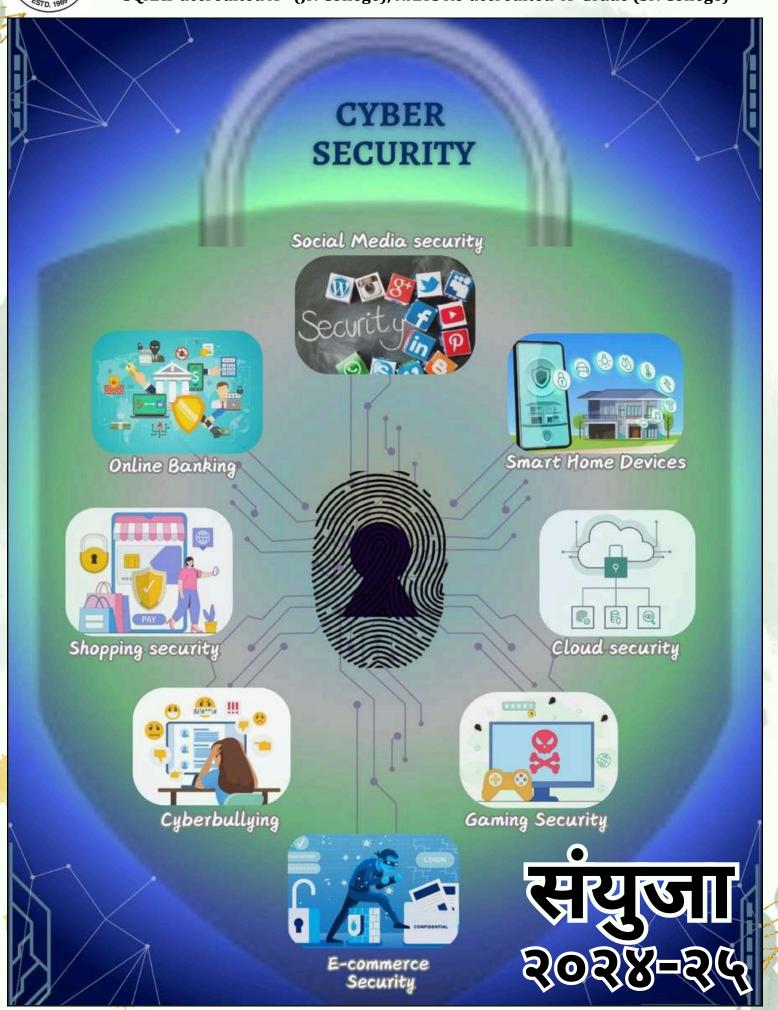


Vidya Prasarak Mandal's

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







National Conference on Ecopulse: Monitoring Beats of Ecosystem by Dept. of Botany in collaboration with TMC







FUTECH24 Conference organized by Department of IT/CS

One Day FDP on AI in Teaching & Learning





Swaranjali-Aarambh" - a delightful evening of musical treat based on unique theme 'Aarambh' (the start)







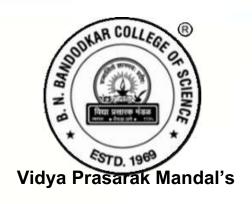
STAR Education Award 2024-25







विश्वस्त डॉ. महेश बेडेकर यांच्या कल्पनेतून साकारलेल्या, 'स्वत्व' उपक्रमाचा उदघाटन सोहळा - आयोजित कर्ते डॉ. जयश्री पवार, समन्वयक, जैवतंत्रज्ञान विभाग, डॉ. कल्पिता मुळ्ये, समन्वयक, सूक्ष्मजीवशास्त्र विभाग



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

SQAAF accredited A+ (Jr. College), NAAC Re-accredited 'A' Grade (Sr. College),
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,
Star Education Best Collge Award 2024, Winner of Mazi Vasundhara Contest - TMC Thane,
Winner of Nukkad Natak Competition on Beach Cleaning organized by Ministry of Environment, Forest & Climate Change
India Elite Education Award in Quality Education, Excellent Administration & Social Contribution 2025

SANYUJA 2024-25

COLLEGE MAGAZINE & WALLPAPER COMMITTEE

Professor Dr. Vinda Manjramkar

(I/C Principal & Chairperson)

Dr. Urmila Kumavat

(Co-ordinator, College Magazine & Wallpaper Committee)

STAFF MEMBERS

Mr. S.K.Bhosale Mrs. K.H.Manjrekar Mr. B.S.Dhumale

Ms. A.V.Parab Mr. Nanasaheb Mache Ms. Sakshi Dandekar

Mrs. Radhika Bamankar Mrs. Jui Pimple Ms. Saloni Sheth

STUDENT VOLUNTEER

Mr. Damodar Malvankar (Secretary)

Mr. Haris Kazi (Joint Secretary)

Developed, composed & edited e-copy of Sanyuja 2024-25 Under Earn & Learn Scheme

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.

Cover Page Credit-Ms. Varada Chavan T.Y.B.Sc Zoology

From the Principal's Desk

Dear Students. Faculty and Readers.

It is with great pride and joy that I present this edition of our college magazine Sanyuja 2024-25. Our college magazine serves as a testament to the spirit. dedication and achievements of our college. It is a space where our students and faculty members can showcase their academic accomplishments. talent and creativity reflecting the true essence of our institution.



This year, our college has made remarkable strides in various fields and received STAR Education Award. Trusted-Outstanding Science Degree College Award. Best College Award by three prestigious agencies for remarkable contribution in academics, administration, research, educational standard adaptability-implementation and community services. College is also invited to join 'Round Table Speaker of Elets World Education Summit'. I am immensely proud of our students who continue to demonstrate curiosity, enthusiasm and excellence in all that they pursue. Similarly our faculty commitment to nurturing talent and encouraging holistic development is commendable, playing a vital role in shaping the future of our students.

This year we are integrating the principles of the National Education Policy (NEP) at SYBSc and MSc levels. Our college is committed to creating a flexible and inclusive learning environment where students can pursue multidisciplinary interests and develop skills in a rapidly changing world. I encourage everyone to continue pursuing their passions and making the most of every opportunity. My open door and reach-to-unreach system benefit all stakeholders and respect value of time. I extend my heartfelt congratulations to the editorial team. contributors and everyone involved in bringing this magazine to life. I am grateful to Vidya Prasarak Mandal (VPM) and Honourable Chairman Dr. Vijay Bedekar for their trust and kind support.

Let us continue to build on our achievements and work together to make our college an inspiring place for learning, growth and innovation.

With warm regards and best wishes.

Prof. Dr. Vinda Manjramkar I/C Principal

Editorial

Dear Readers.

Welcome to another vibrant edition of college magazine Sanyuja 2024-25. With each passing semester, we find ourselves immersed in a rapidly evolving world where innovation and transformation shape every aspect of our lives. As students and members of a dynamic community, we are in a unique position to witness, adapt and even lead the changes that define our era.



This year's issue of Sanyuja is a reflection of the spirit of change, how it touches our lives in the classroom, on campus and beyond. We have stories of students breaking boundaries, exploring new fields and discovering their passions. These narratives remind us of the importance of growth, resilience, adaptability and values that will serve us well not just here in college but throughout our lives.

Our magazine celebrates a wide range of achievements. from academic successes to creative endeavours, from sports victories to community initiatives. We are proud to showcase the talents of our students whose contributions make our college a vibrant and inspiring place. Each article, photograph and artwork reflects the diversity and creativity that we cherish as a community.

At VPM's B.N.Bandodkar College of Science (Autonomous). we believe that every student has the potential to make an impact. Let this issue be a reminder that the future is ours to shape and each of us has a role to play. As we flip through these pages, let's be inspired to embrace challenges, explore new horizons and work together to build a brighter tomorrow.

On behalf of College Magazine and Wallpaper Committee. I wish you a happy reading experience.

Warm regards.

Dr. Urmila Kumavat

Editor

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Sanyuja 2023-24 Publication by Mr. Milind Ballal (Alumni & Senior Journalist)

Principal's Annual Report for the Academic Year 2024-25

I am delighted to present the annual report of the academic year 2024-25. It showcases significant progress made by the staff and students. 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.

• स्टार कॉलेज पुरस्कार

विप्रमं चे बा. ना. बांदोडकर विज्ञान महाविद्यालय , ठाणे (स्वायत्त) यांनी शिक्षण, प्रशिक्षण आणि प्रशासकीय उत्कृष्टतेसाठी दिला जाणारा प्रतिष्ठित "स्टार कॉलेज पुरस्कार २०२४" जिंकून दिनांक २४ नोव्हेंबर २०२४ रोजी आणखी एक महत्त्वाचा टप्पा गाठला आहे. हा पुरस्कार महाविद्यालयाला मुंबई विद्यापीठाच्या कार्यक्षेत्रातील सर्वोत्कृष्ट महाविद्यालय म्हणून मान्यता देतो, जे शैक्षणिक उत्कृष्टता आणि सर्वांगीण विकासासाठीच्या त्यांच्या अविरत प्रयत्नांचे प्रतीक आहे. हा पुरस्कार मुंबईतील बांद्रा कुर्ला कॉम्प्लेक्स येथे आयोजित भव्य समारंभात बीकेसी, एमएमआरडीएचे सीईओ यांच्या हस्ते प्रदान करण्यात आला. हा पुरस्कार महाविद्यालयाच्या नवोन्मेष, गुणवत्तापूर्ण शिक्षण आणि उत्कृष्ट प्रशासकीय कार्यक्षमतेसाठीच्या वचनबद्धतेला अधोरेखित करतो.

• Winner of 'Mazi Vasundhara' and 'Mazi Shala Sunder Shala' Contest

'Majhi Vasundhara Abhiyan 5.0' (My Earth Campaign) initiated by the Government of Maharashtra in collaboration with LiFE (Lifestyle for Environment). The campaign aimed to promote the conservation, protection, and sustainable use of the Earth's resources. Under this campaign, the Thane Municipal Corporation (TMC) organized the Environmental Conservation Action Competition − 2024 at various levels across residential societies, housing colonies, schools, government offices, commercial establishments, hospitals, and colleges. Our college has participated and demonstrated an exceptional commitment towards green practices and secured the prestigious 1st Prize in the Majhi Vasundhara Competition 5.0, held on September 4, 2024. As a mark of recognition, the college was awarded a prize and cash reward of ₹1,02,000/-. Similarly Junior College of BNB won Second Prize in 'Mazi Shala Sundar Shala' and received a cash Prize of ₹2,00,000/- This remarkable achievement underscores the college's unwavering dedication to environmental conservation and sustainability. By actively engaging in initiatives that protect and nurture nature, B. N. Bandodkar College of Science continues to set a benchmark in fostering a greener and healthier future.

• India Elites Education & Institutional Excellence Award

The college has been awarded as with i) Certificate of Recognition for 'Trusted & Outstanding Science Degree College of the year 2025, Maharashtra, ii) 'Best College Award' and iii) College with 'Excellence in Educational Standards adaptability & Implementation Award' by India Elites Education & Institutional Excellence Awards, Bengaluru.

• Winner in Beach Cleaning Drive

The College NSS unit actively participated in the Nukkad Natak Competition under Beach Cleaning Drive organized by the Ministry of Environment Forest and Climate Change, Government of India and bagged First Prize in the same.

Appreciation Certificate by Thane Municipal Corporation (TMC)

NSS unit of college has contributed immensely to the campaign of awareness of TB disease through Flash Mob activity, this initiative has been admired by TMC and an appreciation certificate has been conferred to the college. College has also distributed spitoons to prisoners to prevent spread of pathogens of tuberculosis.

Certificate of Recognition from Sakshi (Equality is Inclusiveness) Foundation

For supporting 'The Rakshin Project' in promoting awareness of the Protection of Children from Sexual Offences (POCSO) Act, 2012 and empowering students to end child sexual abuse.

• B.N.Bandodkar College of Science - Junior College Section has been awarded 'A+ Grade' (91%) from SQAAF (School Quality Assessment and Assurance Framework) which provides a set of standards and best practices as paradigms for attaining individual and institutional excellence at Junior college and School Levels

- Appreciation Certificate by BOBCARD Ltd at Yashwantrao Chavan Centre
- Appreciation Certificate by Food Drug Administration (FDA)
- Appreciation award by TMC for active participation in 'Vrukshavalli 2024-25' (Flower Exhibition)
- Appreciation award by RFN E-Sports for promoting esport-gaming event

❖ Memorandum of Understanding MoUs Signed -

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. iFuture Technologies Private Limited, Kalyan (W)
- 2. QuickHeal Foundation, Mumbai
- 3. Rizvi College of Arts, Science and Commerce, Bandra (W)

The following are the MOU's in process -

Sanyuja 2024-25

Fortis Hospital, CareerScope, Apx Laboratories Ltd., Prashant Corner, CETP Plant, Koparkhairane, Maharashtra Knowledge Corporation Limited

❖ Program/Events related to Implementation of National Education Policy-2020

- College hosted a Workshop for Subject Teachers for Orienting Towards NEP 2020 Compliant Syllabus and Curriculum organized by University of Mumbai under RUSA Maharashtra state along with Malviya Mission Teachers Training Centre (MMTTC) on 27th September, 2024. The workshop was attended by a total of 250 teacher representatives of different colleges affiliated to University of Mumbai from Thane, Navi Mumbai, Raigad and Palghar districts. In addition to this mega-event, the following activities were conducted for effective implementation of NEP 2020
- IQAC organized a workshop on OBE and PO-CO Attainment for teaching staff of college on 20th September 2024.

Sr.	Program/Event	Date	Male	Female	No. of Attendee
No.					
I	Biotechnology-Microbiology			-	
1	Discussion on PO-CO mapping for NEP syllabus	6//10/2024	00	05	05
II	Botany				
2	Parents-Teacher Meeting	9/12/2024	07	11	18
3	Parents-Teacher Meeting	15/01/2025	02	17	19
III	Chemistry				
4	Parents-Teacher Meeting	05/09/2024	05	16	21
5	CO-PO mapping	09/10/2024	07	02	09
6	SYBSc- TYBSc NEP Syllabus Frame-working, Implementation For 2024-25 and 2025-26	02/01/2025	07	02	09
IV	Physics	2 0	M1		8-
7	Awareness of NEP and SYBSc grid	20/06/2024	06	11	17
ν	Zoology				
8	Discussion about the Continuous Internal Evaluation (CIE) under NEP	24/08/2024	3	3	6
9	TYBSc NEP syllabus discussion	02/01/2025	3	3	6
10	Framing of CO's for SYBSc NEP syllabus	23/01/2025	2	3	5
11	Mapping of CO's and PO's of FYBSc	31/01/2025	2	3	5
VI	Library		%	(-
12	Book Exhibition and training	03.09.2024	55	16	71
13	Book Exhibition and training	05.09.2024	9	6	1 5
14	Book Exhibition and training	06.09.2024	14	9	23
15	Book Exhibition and training	06.09.2024	6	11	17

Patents published/granted to staff members: 04

Sr. No.	Department	Name of the Staff	Details (Title)	Status (Published/Grant)
1	Chemistry	Dr. A. S. Goswami- Giri	Laboratory equipment for a Sensor Based on Chemical reaction monitoring device.	Granted
2			Thermogravimetric analyzer (for the measurement of thermal stability of materials)	Granted
3	Chemistry	Mr. Jaidip Wable	1,2,3-Triazolyl-Pyrazolone compounds as therapeutic active agents	Granted
4	EVS & BWCM	Ms. Asba Ansari, Mr. Aditya Mhatre, Ms. Saloni Sheth	Indoor Farm Mirror for Sunlight Management	Published

6. Books and Research paper published/presented by the staff members -

Sr. No.	Name	Title of book/ chapter/ research paper	Journal/book/publisher/volume/i ssue pg.no.	Year
A		Books/B	ook Chapter	
I		Biotechnolog	gy-Microbiology	ŭ)
1	Dr. Kalpita Mulye Dr. Jayashree Pawar	Chapter 12: Bio- Engineered Gut microbiota for drug delivery Novel Propitious Realm	pg 251-281, probiotics A comprehensive guide to enhance health and mitigate disease, CDCPress , first ed. 2024	July 2024
II		Во	otany	
2	Dr. Urmila Kumavat (Single)	Environmental Issues and Sustainable Lifestyle	Trends and Innovations in Environmental Science ISBN 978- 93-95847-00-1	June 2024
3		Acute and Sub-acute Hypoglycaemic Evaluation of <i>Cassia</i> nodosa Leaves in Normal and Streptozotocin Induced Diabetic Rats	Pharmaceutical Research - Recent Advances and Trends ISBN 978-81-977283-0-3 (Prints), 978-81-977283-9-6 (eBook)	July 2024
4	Dr. Swarupa V. Agnihotri		Biostimulant and Plant growth regulator: Applications and Signaling mechanism- Nature Light Publications, Pune ISBN- 978-81-981142-7-3	January 2025
5	Dr.Jayshri D.Jagtap (Single)	Agriculture, Environmental Protection and Water Conservation	Book titled "Agro Tourism And Economics" ISBN: 978-93-6678- 497-7, Page No. 45-50.	2024

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		- 185 - 185		//
6	Dr.Jayshri D.Jagtap	Green Information Technology	Book titled "Advanced Multidisciplinary Research" ISBN- 978-93-6678-662-9, Page No. 13-137.	2024
	(Single)		, ,	
7	Dr.Jayshri		Book titled "Concepts in Life	Jan 2025
,	D.Jagtap (Single)	Need of a Day for Sustainable Future	Sciences & Environment" ISBN - 978-93-6678-015-3, Page No. 96- 106.	
	Dr.Jayshri	Mushroom Cultivation:	Book titled "Agro Tourism And	2024
8	D.Jagtap	An Important Agri- Business.	Economics" ISBN: 978-93-6678- 497-7.	
	(Single)			
	Dr.Jayshri	History of Plant Tissue	International Book titled	14th
9	D.Jagtap	Culture	"Biostimulent and Plant Growth Regulator: Applications and	January 2025
	(Single)		Signaling Mechanism" ISBN: 978- 81-981142-7-3, Page No. 137-143.	2020
10	Dr.Jayshri	Recent Trends in Botany	Book titled "Plant Taxonomy	March
10	D.Jagtap	Research	Databases: A Way Ahead for Taxonomy Research and	2025
	(Single)		Development", ISBN: 978-93-6678-	
TTT		01	343-7, Page No. 91-98.	
III	Dr. A. S.		emistry	2004
11	Goswami- Giri	Chemistry in cosmetics	Himalaya Publishing House	2024
IV		Environm	ental Science	
12	Pooja Kumavat	Assessment of Fruit Peel	Book Title: Mangroves,	2024
	and Asba Ansari	Wastes and its	Biodiversity and Environment	
		Effectiveness in	Conservation, Publisher:	
		Remediation of Heavy	HIMALAYA PUBLISHING HOUSE	
		Metals	PVT. LTD. ISBN: 978-93-6557-455-5 Pg. No.: 92-101	
13	Kamran Abbas	A Study on Soil	Book Title: Mangroves,	2024
	and Asba Ansari	Conservation for	Biodiversity and Environment	
		Environmental	Conservation	
		Sustainability	Publisher: HIMALAYA	
			PUBLISHING HOUSE PVT. LTD.	
			ISBN: 978-93-6557-455-5 Pg. No.: 76-83	
ν		Biodiversity, Wildlife Cor	nservation and Management	
V 14	Nimisha Bane,	Avifaunal Diversity	nservation and Management Book Title: Mangroves,	2024
Jac-	Pratham Tiwari,	Avifaunal Diversity During Early Summer	Book Title: Mangroves, Biodiversity and Environment	2024
Jac-		Avifaunal Diversity During Early Summer Season at VPM's College	Book Title: Mangroves, Biodiversity and Environment Conservation	2024
Jac-	Pratham Tiwari,	Avifaunal Diversity During Early Summer	Book Title: Mangroves, Biodiversity and Environment Conservation Publisher: HIMALAYA	2024
Jac-	Pratham Tiwari,	Avifaunal Diversity During Early Summer Season at VPM's College	Book Title: Mangroves, Biodiversity and Environment Conservation	2024

15	Pratham Tiwari, Sadab Khan, Aditya Mhatre, Simeen Rumani	Beetles Biodiversity Across Different Habitats of Jawsai, Ambernath	Book Title: Mangroves, Biodiversity and Environment Conservation Publisher: HIMALAYA PUBLISHING HOUSE PVT. LTD. ISBN: 978-93-6557-455-5, Pg. No.:	2024
16	Swapnali Korade, Vishal Kharivale, Aditya Mhatre, Surabhi Walavalkar- Thosar	Comparative Study of Avifaunal Diversity Between Three Lakes In Thane	Book Title: Mangroves, Biodiversity and Environment Conservation Publisher: HIMALAYA PUBLISHING HOUSE PVT. LTD. ISBN: 978-93-6557-455-5, Pg. No.: 148 - 155	2024
17	Shambhavi Chavan, Hemant Karkhanis	Insect Inventory with respect to Biodiversity with their seasonal occurrence in Godrej Mangroves along Thane Creek, Mumbai, India	Book Title: Mangroves, Biodiversity and Environment Conservation Publisher: HIMALAYA PUBLISHING HOUSE PVT. LTD. ISBN: 978-93-6557-455-5, Pg. No.: 66 - 75	2024
В		Resear	rch Papers	
I			gy- Microbiology	
18	Ms. Manasi Naik	Isolation of dye degrading microorganisms from textile effluents	Sofia luminous	February 2024
19	Ms. Nikita Mahashabde	Promoter of COR-2 like gene is a stress inducible regulatory region in banana	Transgenic research	01/09/202 4
II		В	otany	-
20	Urmila C. Kumavat (Single)	Differentiation of Two Allied Pink Cassia Species based on Physicochemical and Chemotaxonomic Studies	1 1 0 1	June 2024
III		Che	emistry	
21	Dr. A. N. Bhumkar, Dr. P. S. Wagh, Dr. S. S. Kahandal	Thermophysical study for Binary mixtures of Dimethylcarbonate with Anisole, Butyl vinyl ether,	Research Journal of Chemistry and Environment	2024

	Diisopropyl ether and		7/
	Dibutyl ether at 303.15, 308.15 and 313.15 K		
Dr. P. S. Wagh, Dr. A. N. Bhumkar	Molecular Interactions Studies between Methyl Methacrylate with Heptane, Decane, Dodecan or Tridecane Using Thermodynamics and Thermoacoustic Parameters	Russian Journal of Physical Chemistry	2024
Dr. R. C. Patil	Aqueous extract of CAP-ash: A greener benchmark for Suzuki-Miyaura coupling reaction in palladium catalyzed ligand-free condition	Journal of Molecular Structure	2024
Dr. S. S. Kahandal	one-pot synthesis of α-aminophosphonates using hydroxyapatite - supported palladium as a solid	Bulletin of the Chemical Society of Japan	2024
Dr. S. S. Kahandal	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 Science	2024
Mr. Jaidip Wable, Mr. Hrishikesh Labhade, Mr. Rupesh bachhav	Design, Synthesis, Structural Analysis, And Microbial Activity of New 1,2,4-Triazol-3- One-Based Heterocyclic Derivatives	African Journal of Biomedical research	2025
Mr. Jaidip Wable	Synthesis, Characterization And Antimicrobial Evaluation Of Chromone Anchored 1,2,3-Triazole Derivatives	Heterocyclic letters	2025
	Wagh, Dr. A. N. Bhumkar Dr. R. C. Patil Dr. S. S. Kahandal Mr. Jaidip Wable, Mr. Hrishikesh Labhade, Mr. Rupesh bachhav Mr. Jaidip	Dr. P. S. Wagh, Dr. A. N. Bhumkar Molecular Interactions Studies between Methyl Methacrylate with Heptane, Decane, Dodecan or Tridecane Using Thermodynamics and Thermoacoustic Parameters Dr. R. C. Patil Dr. R. C. Patil Aqueous extract of CAP-ash: A greener benchmark for Suzuki- Miyaura coupling reaction in palladium catalyzed ligand-free condition Dr. S. S. Kahandal A new protocol for the one-pot synthesis of α-aminophosphonates using hydroxyapatite - supported palladium as a solid and reusable catalyst Dr. S. S. Kahandal Pd@CeO2 nanocomposite as a potential catalyst for the Buchwald- Hartwig cross- coupling and amination of benzyl alcohol reactions Mr. Jaidip Wable, Mr. Hrishikesh Labhade, Mr. Rupesh bachhav Design, Synthesis, Structural Analysis, And Microbial Activity of New 1,2,4-Triazol-3- One-Based Heterocyclic Derivatives Mr. Jaidip Wable Characterization And Antimicrobial Evaluation Of Chromone Anchored 1,2,3-Triazole	Dr. P. S. Wagh, Dr. A. N. Bhumkar Molecular Interactions Studies between Methyl Methacrylate with Heptane, Decane, Dodecan or Tridecane Using Thermodynamics and Thermoacoustic Parameters Dr. R. C. Patil Dr. R. C. Aqueous extract of CAP-ash: A greener benchmark for Suzuki- Miyaura coupling reaction in palladium catalyzed ligand-free condition One-pot synthesis of α-aminophosphonates using hydroxyapatite - supported palladium as a solid and reusable catalyst Dr. S. S. Kahandal And Merobial Activity of New 1,2,4-Triazol-3- One-Based hachimicrobial Evaluation Of Chromone Anchored 1,2,3-Triazole Dr. S. S. Heterocyclic letters Heterocyclic letters

28	Mr. Jaidip Wable	Synthesis and Antimicrobial Evaluation of (E)-2-(4-((4-((1-(2,4- Dichlorophenyl)-3- methyl-5-oxo-1,5- dihydro-4H-pyrazol- 4-ylidene)methyl)-2- methoxyphenoxy)- methyl)-1H-1,2,3- triazol-1-yl)-N- phenylacetamide Derivatives	Russian Journal of Bio-Organic Chemistry	2025
29	Mr. Jaidip Wable, Hrishikesh S. Labhade	Advancements in the Synthesis and Biological Applications of 1,2,4- Triazoles: A Review	JBNB, Volume 13, Page No. 53 to 69, 2025	2025
30	Shivam Nevrekar, Mrunali Chavan, Akanksha Borse Sanskruti Jadhav, Moiz Khan, Nikhil Dange, Pralhad Wagh	Development of Antimicrobial Biodegradable Bandages	JBNB, Volume 13, Page No. 89-91, 2025	2025
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33	Umalaxmi Patne	Application of GeoGebra in Teaching Open Set and Interior Set in Metric Spaces	International Journal of Science and Research (IJSR), Volume 13, Issue 5, pp 211-217	May 2024
34	Umalaxmi Patne	Application of GeoGebra in Teaching Closure Points in Metric Spaces	International Education & Research Journal, E-ISSN No: 2454-9916, Volume: 10, Issue: 5	May 2024

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38	Dr. Nilesh Jawalkar	Toxicity and histological architecture of Semecarpus anacardium kernel extract on the foregut of Heliothis armigera	Journal of Eco-friendly Agriculture 20(1): 149-154.	2025
VIII			tistics	
39	Harsh Nandu, Mohini Kulkarni, Tukaram Navghare.	Impact of deforestation and Industrialization on Temperature Trends in India: A Time Series Perspective	JBNB	2025
40	Anuja Shirke, Rohit Bhor,	Predictive Modelling for Crop Yield in Maharashtra: Analysing	JBNB	2025
41	Mohini Kulkarni,Aditya Padwalkar,Saika t Pramanik,Sahil Ganganahalli, Tukaram Navghare	Evaluating Climate Change Effects on Agricultural	JBNB	2025
42	Mohini Kulkarni,Anam Attar, Harshada Salve, Tukaram Navghare	Water Pollution Across	JBNB	2025

С		Paper P	resentation				
I	Biotechnology - Microbiology						
1	Dr. Jayashree Pawar Dr. Kalpita Mulye	Microbiology and Biotechnology	"Contributed in poster presentation at "Research Showcase – 2024" at AIIMS-Bhopal: Pawar Jayashree, Mulye Kalpita, Talker Judith, Ahirwar Sonu Singh and Kotnis Ashwin* (2024) Role of MicroRNA in Hypoxic Tumours and their Potential as Biomarkers for Early Detection of Cancer."	28/11/24			
II		Che	emistry	2			
2	Mr. Jaidip Wable	Chalcone anchored aryl acetamide 1,2,3- triazoles: Synthesis and antibacterial properties by using Click chemistry	National conference on "Current advancements in material Science and Green Chemistry (CAMSGC-2025)" (Secured second rank in Oral presentation)	2025			
3	Mr. Jaidip Wable	Drafting of Graphical abstract of Organic synthesis by using AL tool.	Multidisciplinary national conference on AI	2024			
4	Dr. R. C. Patil	Preparation of Graphical abstract of Chemical reaction by using AL	Multidisciplinary national conference on AI	2024			
5	Dr. R. C. Patil	Pd(OAc) ₂ in WEPA:A novel green protocol for Suzuki-Miyaura Coupling reaction at room temperature.	National conference on eco pulse: monitoring beats of Ecosystem	2025			
6	Dr. R. C. Patil	Aqueous extract of CAP- ash: A greener benchmark for Suzuki- Miyaura reaction in palladium catalysed ligand free condition.	National conference on sustainable development and Scientific synergies for the future	2025			
7	Dr. R. C. Patil	Revisit the Henry reaction by non-convential heterogeneous and efficient catalyst for nitroalcohol sysnthesis.	International conference on science and technology for sustainable development	2025			
8	Dr P S Wagh	Isolation and Evaluation of piperine from black pepper & white pepper	National conference,14 & 15 Feb2025 on ECO-PULSE: Monitoring beats of Ecosystem, at VPMs B N Bandodkar College of science (Autonomous), Thane	2025			

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9	Dr P S Wagh	Isolate and synthesis flavonoids such as quercetin and kaempferol from plant source like berry leaves	National conference,14 & 15 Feb 2025 on ECO-PULSE: Monitoring beats of Ecosystem, at VPMs B N Bandodkar College of science (Autonomous), Thane	2025
10	Dr P S Wagh	Green synthesis of silver nanoparticles using neem leaves and tulsi leaves	National conference,14 & 15 Feb 2025 on ECO-PULSE: Monitoring beats of Ecosystem, at VPMs B N Bandodkar College of science (Autonomous), Thane	2025
11	Dr. S. S. Kahandal	Synthesis of zinc oxide using Aloe vera extract, a green approach	National conference,14 & 15 Feb2025 on ECO-PULSE: Monitoring beats of Ecosystem, at VPMs B N Bandodkar College of science (Autonomous), Thane	2025
12	Dr. S. S. Kahandal	Sustainable bioplastic film development from Banana peel and Corn starch	National conference,14 & 15 Feb 2025 on ECO-PULSE: Monitoring beats of Ecosystem, at VPMs B N Bandodkar College of science (Autonomous), Thane	2025
13	Dr. S. S. Kahandal	Emerging role of ICT in Chemical Sciences	International conference on Emerging trends in Engineering and Sciences (ICETES 2025) Online 07th & 08th Feb2025 at Jawahar Society's Institute of Technology, Management and Research Nashik, Maharashtra India.	2025
14	Dr. Anita Goswami-Giri	Exploring the biological activities of Schiff base Benzilmonohydrazone metal complexes	National conference,14 & 15 Feb2025 on ECO-PULSE: Monitoring beats of Ecosystem, at VPMs B N Bandodkar College of science (Autonomous), Thane	2025
15	Dr. Anita Goswami-Giri	Sustainable dyeing practices for textile industries in Thane.	National conference,14 & 15 Feb2025 on ECO-PULSE: Monitoring beats of Ecosystem, at VPMs B N Bandodkar College of science (Autonomous), Thane	2025
16	Dr. Anita Goswami-Giri	Green chemistry applications in sustainable agriculture for papaya farming.	National conference,14 & 15 Feb2025 on ECO-PULSE: Monitoring beats of Ecosystem, at VPMs B N Bandodkar College of science (Autonomous), Thane	2025
17	Dr. Anita Goswami-Giri	Synthesis and characterization of nanoparticles derived from Sterulia Foeidida alkaloids.	National conference,14 & 15 Feb 2025 on ECO-PULSE: Monitoring beats of Ecosystem, at VPMs B N Bandodkar College of science (Autonomous), Thane	2025
18	Dr. A. N. Bhumkar, Gauri Patole	Synthesis of Ag-Doped ZnO2 nanoparticles using lemon juice	National conference,14 & 15 Feb2025 on ECO-PULSE: Monitoring beats of Ecosystem, at VPMs B N Bandodkar College of science (Autonomous), Thane	2025

19	Dr. A. N. Bhumkar, Sonal Malgankar	Synthesis of Iron Oxide nanoparticles using Ammonium Hydroxide	National conference,14 & 15 Feb2025 on ECO-PULSE: Monitoring beats of Ecosystem, at VPMs B N Bandodkar College of science (Autonomous), Thane	2025
III		EVS at	nd BWCM	y)
20	Shaikh Namra, Ansari Mehwish, Sayyed Aisha, Asba Ansari	Biomedical Waste Awareness: A Step Towards Wetland Revival	National Conference on "Protecting Wetlands for Our Common Future" organized by Paryavaran Dakshata Mandal in collaboration with University of Mumbai, Kalina on 1 st February, 2025	2025
21	Kumavat Pooja, Asba Ansari and Saloni Sheth	The Green Solution of Fruit Peel Waste as Bioadsorbents for Heavy Metal Remediation	National Conference on "Protecting Wetlands for Our Common Future" organized by Paryavaran Dakshata Mandal in collaboration with University of Mumbai, Kalina on 1st February, 2025	2025
22	Deshpande Sachin Padmakar and Asba Ansari	Industrial Waste Water and Effects on Wetland	National Conference on "Protecting Wetlands for Our Common Future" organized by Paryavaran Dakshata Mandal in collaboration with University of Mumbai, Kalina on 1 st February, 2025	2025
23	Asba Ansari	Impact Of Industrial Pollution On Water Quality In Bhiwandi's Aquatic Ecosystems: A Comparative Study	National Conference on "Protecting Wetlands for Our Common Future" organized by Paryavaran Dakshata Mandal in collaboration with University of Mumbai, Kalina on 1st February, 2025	2025
<u>24</u>	Sayyed Aisha*, Ansari Mehwish, Shaikh Namra, Asba Ansari and Vinda Manjramkar	Effect of Fruit Peel- Derived Liquid Fertilizers on the Growth and Yield of Chilli Plants (Capsicum annuum)	National Conference on "Eco Pulse: Monitoring Beats of Ecosystem" in collaboration with Thane Municipal Corporation at BN Bandodkar College on 13 th and 14 th February, 2025	2025
25	Pooja Babulal Kumavat* and Asba Ansari	Utilization of Fruit Peel Waste for Eco-Friendly Removal of Copper and Zinc: Comparative Evaluation of Powdered and Encapsulated Biosorbents	National Conference on "Eco Pulse: Monitoring Beats of Ecosystem" in collaboration with Thane Municipal Corporation at BN Bandodkar College on 13 th and 14 th February, 2025	2025
26	Sachin Deshpande, Nandini Pandey, Sumaiya Zainul Islam and Asba Ansari	Effluent Treatment in Industrial Sectors: Processes, Challenges, and Environmental Impact	National Conference on "Eco Pulse: Monitoring Beats of Ecosystem" in collaboration with Thane Municipal Corporation at BN Bandodkar College on 13 th and 14 th February, 2025	2025

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<u>27</u>	Tejal Parmar, Shruti Shinde, Vandana Khude, Virashree Churi, Asba Ansari and Saloni Sheth	Impact of Lead and Zinc Contamination on Seed Germination and Early Growth of Selected Legume Species	National Conference on "Eco Pulse: Monitoring Beats of Ecosystem" in collaboration with Thane Municipal Corporation at BN Bandodkar College on 13 th and 14 th February, 2025	2025
28	Yogini Ghegad, Asba Ansari and Saloni Sheth	Extraction Of Natural Dyes From Plant Origin And It's Dyeing Capacity On Cotton Fabric	National Conference on "Eco Pulse: Monitoring Beats of Ecosystem" in collaboration with Thane Municipal Corporation at BN Bandodkar College on 13 th and 14 th February, 2025	2025
29	Asba Ansari	Assessment of Water Quality and Its Impact on Public Health in Bhiwandi: A Survey- Based Study	Multidisciplinary International Conference on "Water: Past, Present and Future" at BNN College, Bhiwandi on 8 th March, 2025	2025
30	<u>Pratham Tiwari,</u> Aditya Kale, Aditya Mhatre	Household Pesticide Practices: A Survey of usage and Health impacts in Jawsai, Ambarnath	National Conference on "Eco Pulse: Monitoring Beats of Ecosystem" in collaboration with Thane Municipal Corporation at BN Bandodkar College on 13 th and 14 th February, 2025	2025
31	<u>Swapnali</u> <u>Korade,</u> Aditya Mhatre	Bridging Knowledge Systems: Integrating Indigenous & Scientific Approaches for WIldlife Conservation	National Conference on "Eco Pulse: Monitoring Beats of Ecosystem" in collaboration with Thane Municipal Corporation at BN Bandodkar College on 13 th and 14 th February, 2025	2025
32	<u>Shambhavi</u> <u>Chavan</u> , Hemant Karkhanis	Assessing Insect Diversity and their biotic-abiotic interaction in the Godrej Mangroves, Vikhroli, Maharashtra	National Conference on "Eco Pulse: Monitoring Beats of Ecosystem" in collaboration with Thane Municipal Corporation at BN Bandodkar College on 13 th and 14 th February, 2025	2025
33	Tiwari Pratham, Nimisha Bane and Aditya Mhatre	Avifaunal survey of wetlands around Thane: A Sustainable Tourism Initiative	National Conference on "Protecting Wetlands for Our Common Future" organized by Paryavaran Dakshata Mandal in	2025
34	Shambhavi Chavan and Hemant Karkhanis	Scope Of Ecotourism In The Conservation Of Biodiversity	collaboration with University of Mumbai, Kalina on 1st February, 2025	2025
35	Swapnali Korade, Athrav charan, Aditya Mhatre	Impact Of Pollution On Avifaunal Diversity: A Study Of Three Lakes In Thane		2025
IV	3.		hematics	
36	Umalaxmi Patne	Exploring Sequences in Metric Spaces through Interactive Visualization with GeoGebra	International Conference on Mathematics and its Applications in Science and Technology (ICMAST-2024)	30-31 August, 2024.

ν		Sta	tistics	-2
37	Harsh Nandu, Mohini Kulkarni, Tukaram Navghare.	Impact of deforestation and Industrialization on Temperature Trends in India: A Time Series Perspective	Eco Pulse Botany National conference	2025
38	Anuja Shirke, Rohit Bhor, Mohini Kulkarni and Tukaram Navghare	Predictive Modelling for Crop Yield in Maharashtra: Analysing Trends and Future Insights	Eco Pulse Botany National conference	2025
39	Mohini Kulkarni, Aditya Padwalkar, Saikat Pramanik, Sahil Ganganahalli, Tukaram Navghare	Evaluating Climate Change Effects on Agricultural Productivity: An Analytical Approach	Eco Pulse Botany National conference	2025
40	Mohini Kulkarni, Anam Attar, Harshada Salve, Tukaram Navghare	Analytical Study of Water Pollution Across Multiple Water Bodies	Eco Pulse Botany National conference	2025
41	Tukaram Navghare	Classification of Satellite Images using Deep Convolutional Neural Network Learning Model	International conference on Recent Trends in Mathematics and Statistics (ICRTMS- 2025)	2025
VI			Psychology	
42	Dr. Jui Pimple	Perceived Stress and Life Orientation-a correlational study among corporate employees	National Conference of Psychology: Bridging Theory and Practice, 2025.	2025

Research Paper Presented in Two days National Conference on 'Eco Pulse: Monitoring Beats of Ecosystem' organized by Department of Botany in collaboration with Thane Municipal Corporation.

Sr. No.	Department	No. of Research Papers		No. of Teachers	No. of Students	
		Oral	Poster		Oral	Poster
1	Biochemistry	=	07	02	-	12
2	Biotechnology	-	03	02	2	05
3	Botany	03	07	04	03	12
4	Chemistry	9	2	05	9	3

	1	1			T	
5	CS-IT-DS		12	01		24
6	EVS-BWCM	11	(7.5	03	16	150
7	Human Science	.ma	(a)	520	5	
8	Mathematics	WTV.	02	03		04
9	Microbiology	8	01	03		02
10	Physics	128	04	05	2	06
11	Statistics	=	O5	03	2	08
12	Zoology	03	06	06	03	08
	TOTAL	26	49	37	31	74

* Conferences held in College

"FUTECH24" The National Conference organized by the Department of IT, CS and Data Science Department on 20/07/2024. The objective of the conference was to provide a platform for All types of Learners to get knowledge and understand various new technologies as well as represent the new innovations.

The "Eco Pulse: Monitoring Beats of Ecosystem-2025 conference, organized by the Department of Botany on 14 and 15 February 2025. This conference was conceptualized under the guidance of Prof. Vinda Manjramkar, In-Charge Principal, and meticulously planned by Prof.V.M.Jamdhade, Dr. Urmila Kumavat and the organizing team. The conference aimed to bring together researchers, academicians, and environmental enthusiasts to discuss various pressing ecological issues.

❖ Mega Job Fair 2024-25

It was organized by the Placement Cell in collaboration with Anubandh Alumni Association and Federation of Industries of India under guidance of IQAC. The whole event was supported by Media partners like ABP Maza, LokSatta, Maharashtra times, Thane Vaibhav, Denaik Maharashtra Vritant and Lokodhar. It was sponsored by IBS (ICFAI Business School), Thane Bharat Sahakari Bank, PLUS Institutes and Federation of Industries of India for generously supporting this event. **Total 72** companies and 738 candidates participated in this mega event.

विप्रमंचे टीएमसी विधी महाविद्यालयात 1महा NCC unit, बांदोडकर महविद्यालय, यांच्या विद्यमाने वृक्षारोपणाचा कार्यक्रम साजरा*

जागतिक पर्यारण दिनानिमित्त विप्रमंचे टीएमसी विधी महाविद्यालयात, ठाणे आणि ठाणे जिल्हा व सत्र न्यायालय तसेच 1महाराष्ट्र NCC Army Boys बटालियन, व बा.ना.बांदोडकर विज्ञान महावद्यालयाच्या वतीने आंतरराष्ट्रीय पर्यावरण दिनानिमित्त, विद्या प्रसारक मंडळाच्या प्रांगणात वृक्षारोपण कार्यक्रम आयोजित केला होता. या कार्यक्रमाला ठाणे जिल्हा न्यायालयातील तीन मान्यवर न्यायाधीश, श्री ईश्वर के. सूर्यवंशी दिवाणी न्यायाधीश विरष्ठ स्तर, तसेच सचिव, जिल्हा विधी सेवा प्राधिकरण, श्री ए.स. के. फोकमारे दिवाणी न्यायाधीश विरष्ठ स्तर, आणि श्री. ए. सी. डोईफोडे सह दिवाणी न्यायाधीश विरष्ठ स्तर यांची उपस्थिती होती. त्यांच्यासह डॉ. श्रीविद्या जया कुमार, प्रभारी प्राचार्या, विधी महाविद्यालय, डॉ. विंदा मांजरामकर, प्राचार्य बी.एन. बांदोडकर विज्ञान महाविद्यालय, टीएमसी प्रदूषण नियंत्रण मंडळाचे श्री राजू जाधव (निवृत्त) आणि श्महाराष्ट्र NCC बटालियन चे कमांडिंग ऑफिसर कर्नल मन्नत हुसेन देखील उपस्थित होते. यावेळी 400 NCC च्या विद्यार्थ्यानी वृक्षारोपणात मदत करून पर्यावरणाविषयी त्यांची बांधिलकी दाखवून कार्यक्रमात सक्रिय सहभाग घेतला.

• शिक्षकेतर सहकाऱ्यांसाठी "प्रभावी प्रशासकीय कामकाज" या विषयावर व्याख्यान -

महाविद्यालय कार्यालयाकडून यावर्षी शिक्षकेतर सहकाऱ्यांसाठी "प्रभावी प्रशासकीय कामकाज" या विषयावर व्याख्यानासाठी श्री गंगाराम कृष्णा सुर्वे (मुख्य लिपिक, चांगु काना ठाकूर कला, वाणिज्य व विज्ञान महाविद्यालय पनवेल) यांना गुरुवार दि. ०६ फेब्रुवारी, २०२५ रोजी निमंत्रित करण्यात आले होते. श्री गंगाराम सुर्वे यांनी कार्यालयातील संपूर्ण कामकाज त्यामध्ये पगार,परीक्षा, शिष्यवृत्ती, लेखा विभाग, प्रवेश, रजा, निवृत्ती वेतन, वेतन निश्चिती व नियुक्ती ही कामे कमीत कमी वेळात व कमी श्रमात व्यवस्थितपणे कशी करावी व त्याचे अभिलेखे सॉफ्ट कॉपी व हार्ड कॉपी (दस्तऐवज) स्वरूपात कायमस्वरूपी कसे जतन करून ठेवावे. याबाबत मार्गदर्शन केले. तसेच त्यांनी प्रयोगशाळा सहाय्यक यांना तदर्थ/अग्रीम रक्कम घेणे, त्याचा हिशोब देणे व त्याची देयके कशी बनवावी याबाबत सविस्तर मार्गदर्शन केले.

• बांदोडकर विज्ञान महाविद्यालयात पोलीस स्मृती दिवस व खाकितील सखी निमित्त शस्त्रास्त्र प्रदर्शन

ठाणे रेल्वे पोलीस स्टेशन व विद्या प्रसारक मंडळाच्या बांदोडकर विज्ञान (स्वायत्त) महाविद्यालय यांच्या संयुक्त विद्यमाने *पोलीस स्मृती दिवस* व *खाकी तील सखी* निमित्ताने महाविद्यालयाच्या पतंजली सभागृहात एका भव्य शस्त्र प्रदर्शनाचे आयोजन करण्यात आले. ठाणे रेल्वे पोलीस स्टेशनचे उपनिरीक्षक विजय गोपाळ, महिला सुरक्षा दलाच्या उपनिरीक्षक व *खाकीतील सखी* अनिता कदम यांच्या शुभहस्ते दीपप्रज्वलन करून कार्यक्रमाची सुरुवात झाली.

पोलीस हवालदार शिवाजी घुगे यांनी विविध शस्रांविषयी (त्याची बनावट, क्षमता, उपयुक्तता, शस्त्राची मारा करण्याची ताकद, इत्यादि महिती) अतिशय उपयुक्त माहिती विद्यार्थ्यांना दिली. यावेळी NCC ARMY BOYS UNIT च्या सर्व विद्यार्थ्यांनी व खास करून मुलींनी सर्व शस्त्र प्रत्यक्ष हाताळून पाहिली.

• *बांदोडकर विज्ञान महाविद्यालयात डॉ. बाबासाहेब आंबेडकर जयंती उत्साहात साजरी*

विद्या प्रसारक मंडळाच्या बा. ना. बांदोडकर स्वायत्त विज्ञान महाविद्यालय, ठाणे येथे भारत रत्न डॉ. बाबासाहेब आंबेडकर यांच्या १३४ व्या जयंतीनिमित्त एका छोटेखानी कार्यक्रमाचे आयोजन करण्यात आले. या विशेष कार्यक्रमात महाविद्यालयाच्या प्राचार्या डॉ. विंदा मांजरमकर यांच्या हस्ते डॉ.बाबासाहेब आंबेडकर यांच्या प्रतिमेला पुष्पहार अर्पण करण्यात आला. कार्यक्रमास सांस्कृतिक कार्यक्रम अधिकारी डॉ. प्रल्हाद वाघ, रसायनशास्त्र विभाग प्रमुख डॉ. अनिता गोस्वामी गिरी, किनष्ठ महाविद्यालय पर्यवेक्षक प्रा. बालाजी घुगे, गणित विभाग प्रमुख प्रा. विनोद थोरात सर, तसेच राष्ट्रीय छात्र सेनेचे प्रमुख कॅप्टन बिपिन धुमाळे यांची प्रमुख उपस्थिती होती. या वेळी राष्ट्रीय सेवा योजना (NSS) आणि राष्ट्रीय छात्र सेना (NCC) यांचे विद्यार्थी मोठ्या संख्येने उपस्थित होते. कार्यक्रमात डॉ. आंबेडकरांच्या जीवनकार्यावर प्रकाश टाकणारे निबंध सादर करण्यात आले. या उपक्रमाच्या माध्यमातून डॉ. आंबेडकरांच्या विचारांचे महत्त्व अधोरेखित करत विद्यार्थींना सामाजिक समता, बंधुता आणि न्याय या मूल्यांची जाणीव करून देण्याचा प्रयत्न करण्यात आला.

• Social Responsibility

BNB College has donated utility articles (especially in form of clothes) to Adivasi High-School of Walvanta, Palghar

Avishkar 2024-25 - List of Projects & Awards

Sr. No.	NAME	торіс	Guiding Teacher	Department
1	Bhosle Shravan Santosh	Correlation of Daydreaming frequency and individual's lifestyle	Dr. Jui Pimple	Clinical Psychology
2	Yadav Khushi Ramanand	and marviduars mestyle		
3	Kamble Riya Rahul			
4	Kagzi Aamina Fakhruddin			

5	Nanavare Om Arju	Stress Management and	Mrs. Radhika	Mathematics
6	Kambli Mansi Sanjay	Stress relief using Mathematics	Kunal Bamankar	
7	Jadhav Sneha Umesh			
8	Sanap Pooja Santosh	Air Quality Analysis:	Mohini P.	Statistics
9	Waghela Aarti Govardhan	Trends and Predictive Insights	Kulkarni	
10	Nagare Pranali Vishwanath			
11	Bangari Harshita Mahender singh			
12	Dubey Pragya Dinesh	Synthesis of copolymers for biomaterials used to repair bone.	Prof (Dr.) Anita Goswami-Giri	Chemistry
13	Bhatia Urja Chetan	Supervisory Abuse and psychological well-being: A correlational study among resident doctors	Dr. Jui Pimple	Clinical Psychology (Zonal Round Winner)
14	Raghuram Manasi	Effect of fear of negative evalution on social anxiety behaviour among young adult		
15	Syed Fatima Feroz	Effect of positive psychological interventions on mindfulness of adolescents	Dr. Jui Pimple	Clinical Psychology
16	Yadav Shraddha Salikaram	A correlational study between social media	Dr. Jui Pimple	
17	Kashyap Anju Surjeet	and the quality of sleep among youth		
18	Shah Aafaque Aalamgir	Effect of Coloured light	Dr.	Physics
19	Shelar Pauras Santosh	on crops cultivation in a greenhouse.	Bhalchandra Kashinath	
20	Shelar Nairutya Surendra	1000	Mandlekar	
21	Patel Priyanka Ratilal			
22	Tari Sejal Harshad			
23	Tiwari Harsh Ashutosh	Creation of Bio-manure using different cattle waste and studying its effect on Fenugreek	Ms. Sakshi Dandekar	Zoology (Zonal Round Winner)
24	Aaryushi Arun Singh	crop.		
25	Ankit Anand Pandey			

26	Kanhurkar Shruti Sanjay	Bioinsecticidal	Dr. Nilesh	Zoology
27	Chavan Varada Ravindra	potential of <i>Jasminum</i> grandiflorum extract	Jawalkar	
28	Sawant Vedant Prashant	against Sitophilus oryzae L.		
29	Karjavkar Mayuresh Ranjit			
30	Khirari Nishant Madhukar			
31	Shirke Anuja Ajit	Predictive Modelling for	Dr. Tukaram	Statistics
32	Rohit Rajendra Bhor	Crop Yield: Trends and Insights	Vaijanath Navghare	(Zonal Round Winner)
33	Patil Bhargavi Mahadev	Symbioponics: Enhancing the crop	Ms. Sayali Daptardar	Biochemistry
34	Shinde Ishita Suryakant	yield of hydroponics through synergistic action of microbial biofertilizers	Daptardai	
35	Shinde Shreyas Naresh	Comprehensive soil	Dr. Pralhad	Chemistry
36	Bramhane Janhvi Santosh	analysis for sustainable agriculture	Shriram Wagh	
37	Kokate Kiran Popat			
38	Golipkar Pradnya Kashinath			
39	Gaikwad Sawriya Ananda			
40	Choudhary Pooja Sujaram	Probing the Potential of Plant Growth-	Ms. Purvi Shah	Biotechnology
41	Mane Buddhabhushan Maruti	Promoting Rhizobacteria in Chromium-Stressed		1
42	Arenkeri Pritam Suryakant	Vigna radiate.		
43	Gaikwad Nisha Sanjeev			
44	Patole Gauri Shashikant	Synthesis of silver- doped zinc oxide nanoparticles using lemon juice	Dr.Ajit Nanasaheb Bhumkar	Chemistry
45	Yadav Aarti Omprakash	Isolation and evaluation of piperine from black pepper and white pepper	Dr. Pralhad Shriram Wagh	
46	Malgankar Sonal Arun	Synthesis of iron oxide nanoparticles using ammonium hydroxide	Dr.Ajit Nanasaheb Bhumkar	

47	Gaikwad Neha Govind	Aegle marmelos fruit ash as a catalyst for the synthesis of N- Benzylideneaniline	Dr. Sandeep Santu Kahandal	
48	Koram Rushikesh Jagdish	Mathematical foundation of Signal	Mrs. Radhika Kunal	Mathematics
49	Shinde Ankita Ajit	Processing	Bamankar	
50	Gudla Akshaya Bhumaligam			
51	Singh Sheetal Anil	Formulation and	Ms. Arti	Biochemistry
52	Mishra Sonam Dinesh	Evaluation of Natural Lipbalm and Blush Using Natural Pigments	Manohar	
53	Yadav Ashish Ramchandra	from Plant extract		
54	Shinde Rakhi Ravikant	Ash of pomegranates peels for cycloalkanones and tetralones synthesis	Dr. Rupesh Patil	Chemistry
55	Yadav Laxmi Shivshankar	The impact of indoor plants concerning	Dr. Vinod Jamdhade	Botany
56	Patil Rutuja Sham	human health and air purification		
57	More Arnisha Prashant	Exploring the	Dr. Ashwini	Biotechnology
58	Dubey Varsha Dinesh	bioremediation potential of Chromium- tolerant bacteria	Tilak	(Zonal Round Winner)
59	Lad Mrunal Mahendra	tolerant bacteria		
60	Ray Anjali Ajay			
61	Panchal Sanskruti Dhananjay	Screening of Phytochemical and	Dr. Swarupa Agnihotri	Botany
62	Sawant Tejasvi Shivaji	Palynological Properties of Different Honey Samples		
63	Jadhav Sanskruti Santosh	Development of biodegradable	Dr. Pralhad Shriram Wagh	Chemistry
64	Chavan Mrunali Mangesh	antimicrobial bandages	·	
65				
	Khan Moiz Enam		9	
66	Khan Moiz Enam Dange Nikhil Vijay			
66				

69 70	Shaikh Shaziya tasneem Md obaidullah Khan Neha Rayees	Ointment Formulation using Collagen Extracted from Egg Shell Membrane	Ms. Arthi Manohar	(Zonal Round Winner)
71	Shaikh Afreen Mohd arif	Plants Poisoning in the	Dr. Vinod	Botany
72	Bartan Kartiki Ganpat	Gardens: The Human Risk Evaluation in Thane, Maharashtra	Jam dha de	·
73	Nautiyal Kirti Murtiram	Designing Edible Film	Ms. Sayali Daptardar	Biochemistry
74	Singh Yashvi Amitabh	Extraction of essential oils and formulation of	Ms. Pooja Kanse	
75	Desai Nishtha Shankar	herbal natural perfume		
76	Yadav Janhavi Dinesh			
77	Mulla Hujefa Hamid	Green synthesis of nanoparticles using Neem and Tulsi leaves	Dr. Pralhad Shriram Wagh	Chemistry
78	Mishra Jaya Rakesh	Synthesis and characterization of nanoparticles derived from Sterculia foetida alkaloids	Dr. Anita Goswami-Giri	
79	Ghatkar Shravani Deepak	Formulation and Characterization of	Ms. Shradha Pagare	Biochemistry (Zonal Round
80	Patil Siya Mahesh	Edible Packaging material from fruit peels.		Winner)
81	Pramanik Saikat Susanta	Study of Impact of Climate Change on	Dr. Tukaram Navghare	Statistics
82	Ganganahalli Sahil Manohar	agriculture in India	navgnare	
83	Padwalkar Aditya Dilip			
84	Nandu Harsh Nilesh	Time Series Analysis of Temperature	Dr. Tukaram Navghare	
85	Kharwad Mamta Prithvisingh	Fluctuations in India	J	
86	Salve Harshada Suhas	Analytical Study of Water Pollution Across	Dr.Mohini P. Kulkarni	
87	Attar Anam Javed	Multiple Water Bodies		
88	Siddiqui Saniya Nafees			
89	Patil Mrunali Sharad	Awareness of e-gadgets and e-waste management among UG-PG Science students	Dr. Urmila C. Kumavat	Botany

90	Patel Priyanka Ratilal Shah Aafaque Aalamgir	"Honey with Purpose" evaluating brands through quality and sustainability.	Mr. Nandkishor S Sangle	Physics
92	Bodas Atharva Rucha rahul	Bioethanol production from coconut husk and	Ms. Nikeeta Keni	Zoology
93	Choughule Amol Arun	soybean with zero waste		
94	Patil Vidhi Rajesh			1
95	Magar Ruchita Santosh	The Development Of Banana Peel/Corn Starch Bioplastic Film	Dr. Sandeep Santu Kahandal	Chemistry (Zonal Round Winner)

Other Departmental Activity (Bridge Course, Guest Lecture, Workshop, Club activity, Conference, Colloquium lecture, etc.)

Sr. No.	Event/ Activity	In Collaboration with	Date	Male	Female	Total Participants	
I	Biochemistry						
1	Mission Im possible	None	26/07/24	12	49	65	
2	Parents-Teaches Meet	None	10/08/2024	25	77	99	
3	Guidance from Seniors	None	12/08/2024	21	64	85	
4	Nutritional Rally (celebration of National Nutritional week) – Awareness of Malnutrition	NSS	02/09/2024	8	44	52	
5	Nutri-talk for celebrating National Nutritional Week	None	04/09/2024	16	64	80	
6	Nutribites - Healthy bites Happy life for celebrating National Nutritional Week	None	04/09/2024	07	44	51	
7	In-Silico Drug Designing	Career Scopes Labs	16/08/2024 - 29/08/2024	13	5 5	68	
8	Teachers Day celebration	None	05/10/2024	03	15	18	
9	Parents-Teaches Meet - PTM IV	None	23/11/2024	05	21	26	
10	Orientation session on Cancer Biology	None	05/12/2024	3	26	29	

11	Lifesenz Cancer laboratory visit	None	06/12/2024	3	31	34
12	Industrial Visit to Goa, India	None	16/12/2024- 19/12/2024	11	38	49
13	Workshop on Electrophoresis	None	14/01/2025, 15/01/2025 & 18/01/2025	5	27	32
14	Food Testing Lab Visit	APX laboratory	22/01/2025	6	21	27
II	w 100 f 2	Biotechnology	-Microbiology			
1	Colloquium lecture	Dr. Ashwin Kotnis	24/06/2024	07	75	82
2	Certificate course on techniques in molecular biology workshop (level 2)	None	18/07/2024 to 25/07/2024	00	01	01
3	Certificate course on techniques in molecular biology workshop (advanced)	None	18/07/2024 to 25/07/2024	08	43	51
4	Swaranjali	None	03/08/2024	13	27	40
5	Parents Teachers Meeting for F.Y. students	None	31/08/2024	13	63	76
6	Parents Teachers Meeting for S.Y. and T.Y. students	None	31/08/2024	45	134	179
7	Career guidance session	None	31/08/2024	07	61	68
8	Biogala fest	None	05/09/2024	19	61	80
9	Guest lecture	Dr. Meghna Joshi	18/01/2025	3	25	28
10	Puzzle pathway (Biochemistry pathways)	None	10/01/2025	1 4	57	71
11	Orientation session on 'The GenomeIndia Project Awareness Campaign'	None	24/01/2025	28	122	150
12	Swatv - GenomeIndia Awareness Campaign	VPM's Engineering College	25/02/2025 to 28/02/2025	=	E	(Online patiipants)

III		Во	tany	Pol. 5		
1	Bridge Practical for FYBSc Students	None	28/06/2024	13	27	34
2	Wild vegetable exhibition by Shrishti club	None	04/09/2024	15	6 3	78
3	short-film on "Biodiversity Conservation" by Curiosity club	None	04/09/2024	15	63	78
4	Celebration of Gopalkala with traditional probiotic food	None	26/8/2024	06	23	29
5	First pre conference workshop			68	168	236
6	Second pre conference workshop	None	25/1/2025	57	174	231
7	Two days National Conference	Thane Municipal Corporation, Thane	14/2/2025 15/2/2025	53	124	177
8	'Palvi Fest 2025'	None	28/02/2025	07	30	37
IV		Che	mistry	2		
1	Dr. Vidula Pendhurkar (Colloquium lecture)	Clinovision	23/08/2024	06	70	76
2	Career guidance session with TYBSc Students	None	24/06/2024 to 26/06/2024	16	17	33
3	Lab Safety Session with SYBSc Students	None	12/07/2024	10	20	30
4	Career guidance session with SYBSc Students	None	27/06/2024	07	19	26
5	Lab Safety Session with TYBSc Students	None	18/07/2024	13	20	33
6	Parents-Teacher Meeting (TYBSc+SYBSc)	None	05/09/2024	05	16	21
7	Wachan Sankalp Maharshtracha	Govt of Maharashtra	07/01/2025	31	43	74
8	Book Review Competition	Govt of Maharashtra	16/01/2025	08	06	14

		Г	,							
9	Research Induction Program on "Systematic Enquiry on Scientific Research"	None	09/12/2024 - 14/12/2024	32	47	69				
ν	Human Science & Cli. Psy.									
1	Career guidance on Nutrition sciences	None	18/07/2024	25	65	90				
2	Fresher day celebration for FY students	None 30/07/2024 0		03	22	25				
3	Movie Screening	NSS	10/08/2024	33	32	65				
4	Guidance Program for students-what after 12th?	None	21/06/2024	09	26	35				
5	Fresher's Day for M.Sc.	None	06/09/2024	02	07	09				
6	Meraki Fest	None	24/02/2025	31	38	69				
VI	Computer	Science-Informat	ion-Technology	-Data S	cience					
1	Seminar on "Cyber Security"	Quick Heal Foundation and Thane Cyber Police	15/07/2024	-	: 	201				
2	Orientation and Training Session for "Cyber Warriors"	Quick Heal Foundation	15/07/2024	-	-	30				
3	National Conference - "FUTECH24"	None	20/07/2024	=	X 100	159				
4	Cyber Jagrookta Divas Activity	Quick Heal Foundation	7/08/2024	-		262				
5	Bandodkar's Quick Heal Club Installation Activity	Quick Heal Foundation	8/08/2024		822	114				
6	Traditional Nutritious Food Habit for Enhancement of Health	None	23/08/2024	-2	litter	399				
7	Credit Course On Artificial Intelligence	None	04/11/2024 To 21/11/2024	-	·=	110				
8	Credit Course On Computer Skills	None	04/11/2024 To 14/11/2024		:22	269				
9	Credit Course On Machine Learning	None	04/11/2024 To 21/11/2024	-	-	129				

10	Credit Course On Virtualization	None	04/11/2024 To 21/11/2024	-	-	104
11	Peer to Peer Session on Green IT	None	27/01/2025	豊	18	106
12	QHF Prize Distribution at Pune	Quick Heal Foundation	12/01/2025	=	-	500
13	Remedial lecture for SYIT and SYCS students	None	29/01/2025	=	740	÷.
14	Parent's Meeting and Semester I Grade Card Distribution	None	01/02/2025	-	:	96
VII		EVS &	BWCM			
1	Workshop on "Eco- friendly Ganesh Idol making"	NSS Unit	03/09/2024	09	30	39
2	Slogan and poster competition on "Air Pollution Mitigation"	Thane Municipal Corporation (TMC)	01/10/2024	04	24	28
3	Guest Lecture on "Snake Awareness & Interview of Wild Animal Rescuers" (Prakruti Club)	Wild Animal Rescuer	16/01/2025	05	12	17
4	Workshop on "The art of Resin: Pour and Create" (Prakruti Club)	· 5	11/02/2025 & 25/02/2025	16	137	153
5	An Interactive Session on "Adaptations in Mangroves & Importance of Mangrove Forest in Maintaining Biodiversity"	World Wildlife Fund (WWF) ど Godrej MangrovesBNB Green Club	17/02/2025	45	100	145
6	Career guidance lecture on "From Lab to Leadership: Careers in Science"	Department of Zoology	22/02/2025	21	49	70
7	Guest lecture on "An Introduction to Intellectual Property Rights and Patent"	-	15/03/2025			

VII		Mathe	matics			
1	My Career My life (Inaugural Session of Siddhant Club)	none	03/09/2024	30	41	71
2	Parents Meeting (SYBSc Mathematics)	none	07.12.2024	1	6	07
3	Parents Meeting (TYBSc Mathematics)	none	07.12.2024	4	5	09
4	Book Review	none 16.01.2025		10	06	16
VIII		Phy	sics	38	;	•
1	Vachan Sankalp Maharashtracha	-	09/01/2025	08	17	25
2	Guest Lecture BY Dr. Anshul Gupta	-	23/01/2025	44	62	106
3	Certificate course on Astrophysics and Astronomy	∞ 5	17/12/2024 TO 06/01/2025	02	10	12
IX		Stati	istics			
1	Popular Destinations for studying Abroad among Indian students	·-	04/09/2024	39	43	82
2	Sankhya Club Inauguration with an informative talk on Statistics: Applications and Opportunities		23/09/2024	38	47	85
3	Orientation lecture on Bridging the gap between IT Industry and Academics	æ	23/11/2024	65	47	112
4	Book Reading Competition	-	11/01/2025	16	23	39
5	Book Review Competition	:. 	17/01/2025	06	09	15
6	Inferentia 2025		25/02/2025	41	6 3	104
X		Zoo	logy			
1	Mangroves Day	Human Science	26/07/2024	14	64	78
2	Workshop on Maintenance and handling of Microscope and Museum Specimen.		10/08/2024	40	82	122

3	Snake Awareness Lecture	-	09/08/2024	13	54	67
4	Elephant Day	Human Science	12/08/2024	13	66	79
5	Slow learner session for FYBSc students	-	25/11/2024	1	3	4
6	Dr. Kusum Gokhale Memorial Lecture	Paryavaran Dakshata Mandal	13/12/2024	31	116	147
7	Parents-meeting	-	14/12/2024	4	14	18
8	Vachan Sankalp Maharashtracha	-	15/01/2025	05	19	24
9	Hands on training session of trypsinization of TYBSc students	1/2	20/01/2025	4	21	25
10	Wetland Symphony	NSS	03/02/2025	17	21	38
11	Career Guidance Session (Upgrad)	-	20/02/2025	18	44	62
12	Career Guidance - Lab to Leadership	EVS, Biodiversity	22/02/2025	17	43	60
13	Animal Handling- shark dissection		24/02/2025	04	28	32
14	Research Skill Development	-	25/02/2025	06	28	34
15	Zoomagica -Herpeton (Reptiles)	-	27/02/2025 to 28/02/2025	-	<u> </u>	105
16	World Wildlife Day	EVS, BWCM, MICRO, BIOCHEM	03/03/2025	15	80	95
XI		Lib	rary			!
1	सामुहिक वाचन	N o.	01.01.2025	21	9	12
2	स्त्री लेखिकांनी लिहिलेल्या पुस्तकांचे प्रदर्शन	-	02.01.2025	28	8	20
3	क्रांतीज्योती सावित्रीबाई फुले पुस्तक प्रदर्शन	_	03.01.2025	32	13	19
4	ग्रंथिं डी		04.01.2025	76	22	54

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5	व्यवसाय मार्गदर्शनपर पुस्तकांचे प्रदर्शन	1 2	05.01.2025	15	7	8
6	व्यवसाय मार्गदर्शनपर पुस्तकांचे प्रदर्शन	_	06.01.2025	32	15	17
7	चरित्रात्मक पुस्तकांचे प्रदर्शन	-	07.01.2025	16	16	16
8	मराठी कथा व काव्य पुस्तकांचे प्रदर्शन	-	08.01.2025	33	13	20
9	औषधी वनस्पती पुस्तकांचे प्रदर्शन	9 22	09.01.2025	34	17	17
10	संदर्भ ग्रंथ पुस्तकांचे प्रदर्शन	_	10.01.2025	33	16	17
11	Motivational Books Exhibition	æ	11.01.2025	28	15	13
12	स्वामी विवेकानंद आणि राजमाता जिजाऊ पुस्तकांचे प्रदर्शन	-	12.01.2025	28	19	9
13	भाषांतरित पुस्तकांचे प्रदर्शन	5-	13.01.2025	34	11	23
14	College Proceedings Exhibition	9-	14.01.2025	33	18	15
15	संयुजा मासिक प्रदर्शन	-	15.01.2025	33	14	19

शारदीय नवरात्रोत्सव निमित्त आयोजित उपक्रम

"साहित्याच्या माध्यमातून पुरूषवर्गाने केलेला स्त्री शक्तीचा जागर"

Sr. No.	Program/Event	Date	No. of Attendee	MALE	FEMALE
1	दिवस पहिला पुस्तक परिचय – कोल्हाट्याचे पोर	03.10.2024	30	2	28
2	दिवस दुसरा पुस्तक परिचय – सन २०१७ ओळख कर्तृत्वान महिलांची	04.10.2024	18	3	15
3	दिवस तिसरा पुस्तक परिचय – इंदिरा अंतिम पर्व	05.10.2024	20	3	17
4	दिवस चौथा पुस्तक परिचय – अनुभवाची शिदोरी : आमची माई	06.10.2024	9	3	6
5	दिवस पाचवा पुस्तक परिचय – क्रांतीज्योती सावित्रीबाई फुले	07.10.2024	9	0	9

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6	दिवस सहावा	08.10.2024	17	7	10
	पुस्तक परिचय – कर्तुत्वान स्त्रियांची यशोगाथा				
7	दिवस सातवा	09.10.2024	16	3	13
	पुस्तक परिचय — KALPANA CHAWLA				
8	दिवस आठवा	10.10.2024	15	5	10
	पुस्तक परिचय – लोकमत अहिल्याबाई				
9	दिवस नववा पुस्तक परिचय – Lata	11.10.2024	16	3	13
	Mangeshkar : a life In music				

माझे ग्रंथालय कार्यक्रम

Sr. No.	Program/Event	Collaboration	Date	No. of Attendee	MALE	FEMALE
1	रौप्य महोत्स्तवी ग्रंथपेटी अदलाबदल कार्यक्रम प्रवास : वाचक ते कार्यकर्ता वक्ते – श्री विनायक गोखले	Maze Granthalay, Kusumagraj Pratishthan, Nashik	16.08.2024	11	6	5
2	ग्रंथपेटी अदलाबदल कार्यक्रम "काही वाचनीय सर्वांसाठी" वक्त्या : सौ यामिनी पान गावकर व सौ रेखा देखणे	Maze Granthalay, Kusumagraj Pratishthan, Nashik	07.03.2025	12	5	7

Activities/ Events organized by Committee

Sr. No.	Date	Event Name	Collaborati on	Location	Male	Female	Total Participants				
I		Cultural Committee									
1	25/09/24	Inauguration Cultural Association & Reveal the theme of Aakanksha Fest	None	Patanjali auditori um	117	83	200				
2	14/10/24	Folk Dance	None	College Campus	196	107	303				
3	16/12/24	Mehandi Competition	None	Zoology Lab	Nil	16	16				
4	16/12/24	Tote Bag Painting	None	Yog Kendra	1	11	12				
5	16/12/24	Love Letter Writing	None	Patanjali auditori um	Nil	7	7				
6	16/12/24	Shayari Writing	None	Patanjali auditori um	4	12	16				
7	16/12/24	Poem Writing	None	Patanjali auditori um	5	16	21				

8	16/12/24	Photography	None	College campus	3	3	6
9	16/12/24	Bridal Make up	None	Zoology Lab	Nil	05	05
10	21/12/24	Best Attire	None	College Katta	64	86	150
11	17/12/24	Dance Competition	None	Patanjali auditori um	7	42	49
12	17/12/24	Singing Elimination	None	Patanjali auditori um	04	09	13
13	19/12/24	Personality Development	None	Patanjali auditori um	09	09	18
14	18/12/24	Treasure Hunt Event	None	Yog Kendra and College Campus	36	32	68
15	22/12/24	Akanksha Fest	None	Near Parking Area	243	207	450
II			Green Cl	ub			
16	09/09/24	"Public Awareness and Education on Air Quality Management" on account of Clean Air For Blue Skies	Departmen t of EVS & BWCM	online	09	51	60
17	27/11/2024	Orientation lecture on Water Management through WhyWaste App	None	Offline	54	60	114
18	14/11/24	MYCA certificate course Guidance	None	Offline	20	88	108
19	21/1/2025	Carbon Footprint activity	None	online	33	54	87
20	10/02/25	Handaji Campaign	None	Offline	09	46	53
21	17/02/25	Adaptations In Mangroves & Importance Of Mangrove Forest In Maintaining Biodiversity: As Part Of Magical Mangroves Campaign	Departmen t of EVS & BWCM	Offline	45	100	145
21A	21/02/25	Bio-cultural diversity conservation and climate action.	None	offline	15	11	26
III			WDC	-	***		
22	17/10/24	Guest Lecture on "Awareness Session on POCSO"	None	offline	43	75	118

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23	11/01/25	Awareness on PoSH	None	offline	39	54	93				
		(Prevention of Sexual Harassment)					-				
24	17/02/25	Awareness Program on Prevention of Sexual Harassment (PoSH)	None	offline	46	140	186				
25	8/03/25	Guest Lecture - Internal Women Day Celebration	None	offline	=	INTO	93				
IV	DLLE										
26	10/06/24	1 st Term training	None	College campus	20	100	120				
27	05/12/24	Soil festival	Paryavaran Dakshata Mandal	Chartard English School, Airoli	1	28	29				
28	18/12/24	Creek Cleaning	None	Kolshet Creek	43	6	49				
29	20/12/24	2 nd Term Training	University of Mumbai	College Campus	2	16	18				
30	06/12/24- 7/12/2024	Inhouse Competitions	None	College Campus	2	44	46				
31	16/01/24	Udaan Festival	University of Mumbai	College Campus	151	257	408				
ν		Anul	andh Alumni	Association	n	al .					
32	22/08/24	Guidance Session on "Career Opportunities in Data Analytics"	None	Patanjali Auditori um	17	21	38				
33	23/08/24	Guidance Session on Career Abroad after B.Sc Mathematics	Departmen t of Mathemati cs	Room no.5	5	6	11				
34	07/12/24	Career Guidance Session on "Digital Marketing"	Departmen t of Human Science	Patanjali Auditori um	16	57	73				
35	04/02/25	Guest Lecture on Career Opportunities in AI and ML for Basic Science	None	Patanjali Auditori um	28	42	70				

377	T		37				
VI	20/01/25	25 12 22 6 1	Yoga	D 1:			T
36	23/01/25	Meditation for happy	IQAC	Patanjali	-	2	=
		life		Auditori			
				um			
37			Placement		ři -		
38	05/04/25	Mega event of Job Fair	IQAC and	College	122	<u>111</u> 7	737
	,		Anubandh	Campus			
			a Alumni				
			association				
ЛII			NSS				
39		Saplings Plantation	Hariyali	Kopri	200529	2000-200	2001,256
	05/06/24	Drive	Foundation	1	8	12	20
40		Sapling Plantation	Hariyali	Pokhran			
10	15/06/2024	Drive	Foundation	TOKITAII	4	9	13
	-	Drive	NCC Unit,	0-11			
41		1.		College			
		International Yoga	Dlle,		800	10000000	2000
	21/06/2024	Day-	Gymkhana,		2	20	22
		Yoga Session	Yoga				
			Committee				
42	00/06/04	Sapling Making And	Hariyali	Mulund	0	14	16
	22/06/24	Soil Packing	Foundation		2	14	16
43				College			
	25/06/24	Yoga And Meditation	Bramhakum	conege	5	13	18
	20/00/21	Session	aris		0	10	10
1.4		Semper Services	a1 18	Kasarva			
14	0 - 1 - 1 - 1	Sapling Making	Hariyali	spendifferance medifficance			_
	30/06/24	Activity	Foundation	davali	2	5	7
				Nursery			
45	06/07/24	Tree Plantation	Hariyali	Rabale	5	14	19
	00/07/24	Activity	Foundation		J	17	19
16			Team	Yeoor			
		Tree Plantation Drive	Anybody	Hills	204.0		
	14/07/2024	(Ek Ped Maa Ke Naam)	Can Donate	2002001000000	4	9	13
		,	(Abcd)				
47				Thane			
A:30	16/07/2024	Blood Donation Camp	LION's	Station	6	18	24
	10/07/2024	blood bollation camp	Club	Station	U	18	24
4.0		Worldon O. O. If		Det !-1!			
48	00/07/555	Workshop On Self	Nr	Patanjali	2		
	23/07/2024	Defence	None	Auditori	6	49	55
		For Women		um			
49	26/07/2024	Wings Of Valor - Kargil	None	College	27	64	91
	20/ 01/ 2024	Vijay Divas	Hone	Campus	51	01	71
50	01/09/94	Rakhi Stall Day-1	None	College	4	3	
	01/08/24	Kakiii ətali Day-1	None	Campus	1	3	4
51	93 <u>592</u> 99 4 5207229985550	n 11:0:11 n	€ € 0000000000	College	1000	- 0.0	20
	02/08/24	Rakhi Stall Day-2	None	Campus	О	4	4
52				College			
-	03/08/24	Rakhi Stall Day-3	None	Campus	0	2	2
. 9		Hoolth Chaolain Comp					
53		Health Checkup Camp	Unicare	College			
	03/08/24	For	Health	Campus	2	16	18
	, , , –	Teaching And Non	Centre		200.2		The second of
		Teaching Staff			.v		
54	05/08/24	Rakhi Stall Day-4	None	College	1	5	6
	00/00/24	Rakin Stan Day-4	HOHE	Campus	-	"	

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55	06/08/24	Rakhi Stall Day-5	None	College Campus	0	2	2
56	07/08/24	Rakhi Stall Day-6	None	College Campus	0	6	6
57	08/08/24	Rakhi Stall Day-7	None	College Campus	2	4	6
58	09/08/24	Rakhi Stall Day-8	None	College Campus	2	8	10
59	10/08/24	Rakhi Stall Day-9	None	College Campus	1	5	6
60	10/08/24	"Sreekanth" Movie Screening	None	Patanjali Auditori um	25	40	65
61	12/08/2024	Rakhi Stall Day-10	None	College Campus	0	6	6
62	12/08/2024	Nss Garden Cleaning	None	College Campus	3	15	18
63	13/08/2024	Rakhi Stall Day-11	None	College Campus	0	5	5
64	13/08/2024	Gandhi Peace Exhibition	None	College Campus	12	30	42
65	14/08/2024	Rakhi Stall Day-12	None	College Campus	0	2	2
66	14/08/2024	Nss Garden Cleaning	None	College Campus	3	11	14
67	14/08/2024	Har Ghar Tiranga Rally	Ncc Unit	College Campus	2	12	14
68	15/08/2024	Street Play On Voter-Id Registration	TMC		2	11	13
69	16/08/2024	Rakhi Stall Day-13	None	College Campus	1	10	11
70	16/08/2024	Plastic And E-Waste Collection Drive Day-1	None	s=s	0	4	4
71	16/08/2024	Plastic Collection And	None	-	3	8	11
72	17/08/2024	Rakhi Stall Day-14	None	-	1	8	9
73	17/08/2024	Plastic And E-Waste Collection Drive Day-2	None		0	4	4
74	17/08/2024	Plastic Collection And Cleanliness Drive At Cidco	None	8-2	3	7	10
75	18/08/2024	Rakhi Stall Day-15	None		0	2	2
76	19/08/2024	Plastic And E-Waste Collection Drive Day-3	None	_	0	1	1
77	20/08/24	Plastic And E-Waste Collection Drive Day-4	None	_	0	6	6

78	21/08/2024	Plastic And E-Waste Collection Drive Day-5	None	<u>-</u>	0	2	2
79	22/08/24	Plastic And E-Waste Collection Drive Day-6	None	0 — 0	1	9	10
80	23/08/24	Plastic And E-Waste Collection Drive Day-7	None		0	3	3
81	24/08/24	Plastic And E-Waste Collection Drive Day-8	None	-	0	5	5
82	24/08/24	Guest Lecture On- जोडीदाराची विवेकी निवड	None	Patanjali Auditori um	26	73	99
83	24/08/24	Fy,8y Orientation	None	Patanjali Auditori um	26	73	99
84	26/08/24	Digital Poster Making Competition On Occasion Of International Youth Day	None		5	7	12
85	29/08/24	Guest Lecture On- खाकीतील सखी	Iqac	Patanjali Auditori um	1	22	23
86	31/08/24	Yin Club's Session	Sakal Media	-	14	28	42
87	03/09/24	Eco-Friendly Ganesh Idol Making	EVS & BWCM Department	Evs- Bwcm Departm ent	3	23	26
88	13/09/2024	Lecture On Pocso And Posh Act At Adopted Area	None	College Campus	6	12	18
89	20/09/24	Nss Garden Cleaning	None	-	5	9	14
90	21/09/2024	Beach Cleaning At	None	Juhu Beach	5	13	18
91	21/09/2024	Nukkad Natak Street Play	Vesac India In Collaboratio n With Ministry Of Environmen t, Forest And Climate Change	Juhu Beach	10	28	38
92	21/09/2024	Beach Cleaning	None	Tromba y Beach	4	6	10
93	21/09/2024	Blood Donation Camp	RRC Club	College Campus	7	9	16

94	23/09/24	Nss Garden Cleaning			22	36	58
95		And Decoration Nss Foundation Day	None None		13	14	28
96 96	24/09/24	Street Play On Voter Id	None	- Kopri	10	14	28
90	27/09/2024	Registration	None	Kopri	39	83	122
96	27/09/2024	Voter Awareness Rally	None	Kopri	5	6	11
97	27/09/2024	Cleanliness Drive	None	Kopri	8	19	27
98	11/10/2024		None	_	6	7	13
99	24/10/2024	Nss Garden Cleaning	None		12	9	21
100	16/11/2024	One Day Camp Day-1	None	Yeoor Hills	5	8	13
101	17/11/2024	One Day Camp Day-2	None	Yeoor Hills	6	10	16
102	23/11/2024	One Day Camp Day-3	None	Yeoor Hills	2	16	18
103	24/11/2024	One Day Camp Day-4	None	Yeoor Hills	9	17	26
104	30/11/2024	One Day Camp Day-5	None	Yeoor Hills	7	12	19
105	02/12/2024	Signal School Orientation	None	2-2	5	12	17
106	03/12/2024	Signal School Activity Day-1	None	-	5	15	20
107	04/12/2024	Session On Job Applicants Essentials (Ibm)	None	:	1	12	13
108	04/12/2024	Signal School Activity Day-2	None	_	16	3 5	51
109	04/12/2024	Blood Donation Camp	Ncc Unit And RRC	Gymkha na	4	10	14
110	05/12/2024	Signal School Activity Day-3	None		22	28	50
111	06/12/2024	Signal School Activity Day-4	None	-	1	11	12
112	06/12/2024	Session On Artificial Intelligence Fundamentals (Ibm)	None	3 - 4	2	14	16
113	07/12/2024	One Day Camp Day-6	None	Yeoor Hills	9	28	37
114	07/12/2024	Signal School Activity Day-5	None	-	13	2 3	36
1 1 5	08/12/2024	Signal School Activity Day-6	None		1	10	11
116	08/12/2024	One Day Camp Day-7	None	Yeoor Hills	5	16	21
117	10/12/2024	Hiv-Aids Lecture	None	-	12	23	35
118	11/12/2024	Fit India Run Acyivity- Volunteering Day-1	Gymkhana	Gymkha na	18	2 9	47
119	14/12/2024	One Day Camp Day-8	None	Yeoor Hills	5	7	12

120	15/12/2024	One Day Camp Day-9	None	Yeoor Hills	5	18	23
121	20/12/2024	Fit India Run Acyivity- Volunteering Day-2	Gymkhana	Gymkha na	3	7	10
122	02/01/25	Book Collection Drive Day-1	None	_	12	12	24
123	03/01/25	Book Collection Drive Day-2	None	-	3	4	7
124	04/01/25	Book Collection Drive Day-3	None	-	3	4	7
125	04/01/25	One Day Camp Day-10	None	Yeoor Hills	3	4	7
126	07/01/25	Shramadan At Nere Camp Day -1	Hariyali Foundation	Nere, Shantiva n	15	2 3	38
127	08/01/25	Shramadan At Nere Camp Day -2	Hariyali Foundation	Nere, Shantiva n	7	16	23
128	09/01/25	Shramadan At Nere Camp Day -3	Hariyali Foundation	Nere, Shantiva n	6	17	23
129	10/01/2025	Shramadan At Nere Camp Day -4	Hariyali Foundation	Nere, Shantiva n	8	17	25
130	11/01/2025	Sshramadan At Nere Camp Day -5	Hariyali Foundation	Nere, Shantiva n	6	18	24
131	17/01/2025	Cyber Sakhi Event - Cyber Security	None	Patanjali Auditori um	6	17	23
132	17/01/2025	Nss Garden Cleaning And Decoration	None	College Campus	10	107	117
133	18/01/2025	One Day Camp Day-11	None	Yeoor Hills	7	15	22
134	18/01/2025	And Decoration	None	College Campus	7	20	27
135	20/01/25	Nss Garden Cleaning And Decoration	None	College Campus	3	5	8
136	21/01/2025	Road Safety Police Drive	VPM's Managemen t		6	8	14
137	21/01/2025	Nss Garden Cleaning And Decoration	None	College Campus	25	51	76
138	22/01/2024	Voter's Day Competition	TMT 148	.E.	8	11	19
139	22/01/2024	Nss Garden Cleaning And Decoration	None	ā.	6	8	14
140	25/01/2025	Nss Garden Cleaning And Decoration	None	.=.	6	7	13
141	27/01/2025	National Pride Initiative : Honouring Our Flag	YIN Club		3	5	8

142	03/02/25	The Wetland's Symphony Session	None	=	9	4	13
143	07/02/25	E-Waste And Clothes Collection Drive Day-1	Nec Unit	:=:	32	62	94
144	08/02/25	E-Waste And Clothes Collection Drive Day-2	Nss And Ncc Unit	S=8	4	8	12
145	12/02/2025	Poster Making Competition	Yin Club	. - .	3	10	13
146	12/02/2025	Patanjali Auditorium Cleaning	None	Patanjali Auditori um	11	21	32
147	21/02/2025	Nss Official Meeting About Dairy Filling	None		42	69	110
148	25/02/2025	Blood Donation Camp	LION's Club And NCC Unit		13	28	41
149	25/02/2025	College Awareness Drive On Cyber Security Day-1	Responsible Netism	3 71 3	10	2 3	33
150	27/02/2025	College Awareness Drive On Cyber Security Day-2	Responsible Netism	o - 2	25	74	99
151	28/02/25	College Awareness Drive On Cyber Security Day-3	Responsible Netism		0	10	10
152	01/03/25	College Awareness Drive On Cyber Security Day-4	Responsible Netism	1	0	10	10
153	01/03/25	Online Survey On Cyber Security	Responsible Netism	-	0	10	10
154	03/03/25	One Day Disaster Management Workshop	Nss Unit And Tdrf	-	0	10	10
155	04/03/25	Online Survey On Cyber Security	Responsible Netism	_	22	58	80
156	04/03/25	Cyber Awareness Rally	Responsible Netism		o	10	10
157	05/03/25	Residential Awareness On Cyber Security Day-1	Responsible Netism	=	0	10	10
158	06/03/25	Residential Awareness On Cyber Security Day-2	Responsible Netism	n=	0	10	10
159	07/03/25	Residential Awareness On Cyber Security Day-3	Responsible Netism	=	0	10	10

NCC Events/Activities:

Sr. No.	Event Name	Date	Chief Guest / Resource Person	Male	Fem ale	Total
1	International Day of Clean Air for blue sky	07-09-24	Raju Jadhav (Scientist)	46	=	46
2	Cleanliness Campaign Program	10-08-24	Dr. Prof. Vinda Manjramkar	48	-	48
3	Cleanliness Campaign Program	11-08-24	Dr. Prof. Vinda Manjramkar	50		50
4	75th Independence Day of India	15-08-24	Chairman Dr. Vijay Bedekar	45	15-1	45
5	Blood Donation Camp	06-08-24	Dr. Prof. Vinda Manjramkar	48	·=-	48
6	National Anthem singing program	09-08-24	Indian Army Soldier Havaldar Bhup Singh Havaldar Dk Singh	42	-	42
7	Har Ghar Tiranga Rally program under Amrit Mahotsav of Independence	10-08-24	Dr. Prof. Vinda Manjramkar	46	9	46
8	Puneet Sugar Abhiyan	12-08-24	Lt. Col. Sudarshan Biswas	38	<u> </u>	38
9	Ncc Day	04-11-24	Capt. Bipin Dhumale		-	
10	Sea Visit	14-11-24	Lt. Col. Sudarshan Biswas	50	5=1	50
11	Blood Donation	24-11-24	Dr. Prof. Vinda Manjramkar	48	.=	48
12	Aids Day	01-12-24	Dr. Kailash Pawar	45	-	45
13	Puneet Sagar Abhiyan	05-12-24	Lt. Col. Sudarshan Biswas	50	84	50
14	Inter-Collegiate-Drill Competition	09-12-24	Ex-Cadet of A/C Unit of Thane	48	-	48
15	Blood Donation	26-12-24	Capt. Bipin Dhumale	38	=.	38
16	Swachhta Abhiyan	11-01-25	Capt. Bipin Dhumale	S -S 2	=.	# 0
17	No Honking Awareness Drive	30-01-25	Dr. Mahesh Bedekar	48	83	48
18	Republic Day	26-01-25	Chairman Dr. Vijay Bedekar	50	-	50
19	Cleanliness Drive	11-02-25	Capt. Bipin Dhumale	47	-	47
20	The Story of Bravery Sacrifice of Indian Army	28-01-25	Sub. Maj. Hon. Capt. Yogendra Singh Yadav	45	-	45

21	Nishchoy Seminar	10-02-25	Aishwarya M.	38		38
11200001			Singh		1-	
	Black Day	14-02-25	Dr. Prof. Vinda	45		45
00			Manjramkar,			
22			Capt. Bipin			
			Dhumale			
23	Yuva Utsav	21-02-25	Dr. Prof. Vinda	46		46
23			Manjramkar		_ : -	
24	Saheed Diwas	23-03-25	Capt. Bipin	45		45
24			Dhumale		:	
	Eat Right India	26-03-25	Shri Rajesh	32		32
			Narvekar (IAS),			
2 5			Dr. Jagannath			
			Dixit, Dr. Vijay			
			Bedekar		846	

Commemorative Day Celebration by Department

Sr. No.	Commemorative Day	Event/ Activity	Date	Male	Female	Total Participants
I	Biochemistry	0				
1	National Nutrition week	Nutrition Rally	02/09/2024	8	44	52
2	National Nutrition week	Nutri Talk	04/09/2024	16	64	80
3	National Nutrition week	Nutri Bites	04/09/2024	07	44	51
4	Teacher's day	Teacher's Day Celebration	05/10/2024	03	15	18
5	Dussehra	Dussehra Celebration	11/10/2024	03	14	17
6	Shravan	Activity Under IQAC	23/08/2024	13	45	55
7	Ganesh Chaturthi		14/09/2024	8	31	39
8	Kojagiri Pournima		16/10/2024	07	22	29
9	Makar Sankranti]	14/01/2025	5	24	29
II	EVS and BWCM	_		***************************************	;	
10	Big Butterfly Month (September)	Field Trail on " Butterfly Bliss- A Field Trail Guide to	24/09/2024	07	43	50

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		watching and identifying butterflies"				
11	International Day- Clean Air For Blue Skies	Online Lecture on "Public Awareness and Education on Air Quality Management"	09/09/2024	09	51	60
12	World Mangrove Day	Field Trail at VPM's Campus	27/07/2024	02	16	18
13	World Wildlife Day	Field Visit to "Veermata Jijabai Bhosale Botanical Udyan and Zoo Mumbai"	03/03/2025	08	54	62
14	International Day of Forests	Awareness through Online Quiz	21/03/2025	22	32	54
15	World Water Day	Awareness through Online Quiz	22/03/2025	9	3 3	42
III	Mathematics		•			
16	National Mathematics Day	Student seminar	21/12/2024	11	09	20
ΙV	Human Sci. & Cli. Psy.	•				
17	Mangrove day celebration	Zoology	26/07/2024	17	42	59
18	Elephant day	Zoology	12/08/2024	10	65	75
19	Shravan activity -Gul Groundnuts	NA	24/08/2024	07	31	38
20	Ganesh Chaturthi-Modak celebration	NA	14/09/2024	05	26	31
ν	Library		L			1
21	हिंदी दिवस	e -	14.09.2024	26	11	15
22	मराठी भाषा पंधरवडा निमित्त पुस्तक प्रदर्शन (मराठी संदर्भ ग्रंथांचे प्रदर्शन)	-	28.01.2025	68	34	34

23	मराठी राजभाषा दिवस	-	27.02.2025	60	10	50
24	जागतिक विज्ञान दिवस	-	28.02.2025	30	4	26
25	छत्रपती शाहू महाराज जयंती	=	26.06.2024	5	3	5
26	लोकमान्य बाळ गंगाधर टिळक जयंती	=	23.07.2024	6	2	4
27	लोकमान्य बाळ गंगाधर टिळक पुण्यतिथी	-	01.08.2024	5	2	3
28	अण्णा भाऊ साठे जयंती	-	01.08.2024	5	2	3
29	डॉ.वा.ना.बेडेकर वर्धापन दिवस	-	01.08.2024	5	2	3
30	क्रांतिसिंह नाना पाटील जयंती	-	03.08.2024	7	4	3
31	डॉ.एस.आर.रंगनाथन जयंती	=	12.08.2024	8	3	5
32	डॉ.सर्वपल्ली राधाकृष्णन जयंती	22	05.09.2024	14	1	13
33	पंडित दीनदयाळ उपाध्याय जयंती	-	25.09.2024	10	6	4
34	डॉ.एस.आर.रंगनाथन पुण्यतिथी	=	27.09.2024	9	4	5
35	महात्मा गांधी जयंती	-	02.10.2024	11	5	6
36	लाल बहादूर शास्त्री जयंती	-	02.10.2024	11	5	6
37	डॉ.अब्दुल कलाम जयंती	=	15.10.2024	7	3	4
38	मौलाना अब्दुल कलाम आझाद जयंती	-	11.11.2024	7	4	3
39	पंडित नेहरू जयंती	=	14.11.2024	4	0	4
40	बिरसा मुंडा जयंती	-	14.11.2024	4	0	4
41	इंदिरा गांधी जयंती	-	19.11.2024	8	5	3
42	डॉ. बाबासाहेब आंबेडकर पुण्यतिथी	=	06.12.2024	7	1	6
43	श्रीनिवास रामानुजन जयंती	E.	22.12.2024	5	2	3

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44	डॉ.भाऊसाहेब उर्फ पंजाबराव देशमुख जयंती	=	27.12.2024	6	2	4
45	सावित्रीबाई फुले जयंती	;=	03.01.2025	32	13	19
46	नेताजी सुभाषचंद्र बोस जयंती	_	23.01.2025	28	12	16
47	मा.बाळासाहेब ठाकरे जयंती	-	23.01.2025	28	12	16
49	महात्मा गांधी पुण्यतिथी	22	30.01.2025	55	26	29
50	छत्रपती शिवाजी महाराज जयंती	본	18.02.2025	46	15	31
VI	Zoology					
51	Mangroves Day	Human Science	26/07/2024	14	64	78
52	Elephant Day	Human Science	12/08/2024	13	66	79
53	Shravan	Activity Under IQAC	23/08/2024	09	21	30
54	Ganesh Chaturthi		14/09/2024	01	07	08
55	Nagpanchami	15	09/08/2024	13	54	67
56	World Wildlife Day	EVS, BWCM, MICRO, BIOCHEM	03/03/2025	15	80	95

Commemorative Day Celebration by Committee

Sr. No.	Commemorative Day	Event/Activity	Date	Male	Female	Total Participants
VII		Green	ı Club	<u> </u>		
57	World Ozone Day	Online Quiz	16/9/2024	16	81	97
57A	World Water Day	Online Quiz	22/03/2025	22	49	66
VIII		Gyml	khana	# · · · · · · · · · · · · · · · · · · ·		26
58	स्व. विनायक दामोदर सावरकर स्मरणार्थ	Blood Donation Camp	25/02/2025	-	-	57

59	छत्रपती शिवाजी महाराज जयंतीनिमित्त	शिवजयंती साजरी केली	21/02/2025	昂	- x	107
IX		Yo	ga			
60	International Yoga Day	Practiced yoga	21/06/2024	ä		7 2.2
Х		N	88			
61	INTERNATIONAL YOGA DAY- YOGA SESSION AT COLLEGE	Practiced yoga	21/06/2024	2	20	22
62	CONSTITUTION DAY AT COLLEGE	RALLY AND PREAMBLE READING	26/11/2024	7	12	19
63	SHIVJAYANTI UTSAV	CELEBRATION	21/02/2025	42	69	110
64	MARATHI BHASHA DIVAS	GUEST LECTURE	27/02/2025	25	74	99

Alumni Activity

Sr. No.	Event	Collaboration/ Alumni involved	Date	Male	Female	Total Attendee
I		Biochemist	ry		-	20
1.	Guidance session on career in abroad	Ms. Hricha Joshi	12/08/2024	21	64	85
2.	Teachers Day celebration	Mr. Shahid Muhammad Ms. Pranoti Joshi	05/10/2024	03	15	18
II		Biotechnology-Mic	robiology	N.		this .
3.	Guest Lecture	Dr. Rucha Kulkarni	01/01/2025	16	101	117
III		Chemistry	7			
4.	Alumni interaction with current student	Mr. Prakash Mali	06/08/2024	16	20	36
5.	Alumni interaction with current student	Mr. Tejas Kadam	02/08/2024	13	20	33
6.	Alumni interaction with current student	Ms. Sneha Tiwari	01/02/2025	14	21	35
7.	Alumni interaction with current student	Ms. Lakshmi Parmar	01/02/2025	14	21	35

8.	Alumni interaction with current student	Mr. Ajinkya Tapsale	01/02/2025	14	21	35
IV		EVS and BW	СМ			
9.	Beyond the Masters: Exploring Global Opportunities for Higher Studies"	Ashish Sawai	07/02/2025	7	11	18
ν		Mathemati	cs		100	200
10.	Guidance Session on Career Abroad after B.Sc Mathematics	Anubandha Alumni Association	23/08/2024	5	6	11
VI		Zoology	115.	10 m	<u> </u>	**************************************
11.	Career Guidance - Lab to Leadership	EVS, Biodiversity	22/02/2025	17	43	60
VΙΙ		Human Scie	nce	the second		
12	Career guidance session on digital marketing	Anubandha	07/12/2024	17	55	82
13	Career guidance session on law	-	13/09/2024	03	08	11
14	Career guidance session on nutrition	-	18/07/2024	22	64	86

♦ ENROLLMENT 2024-25

Class	No of Students	Class	No of Students
FYJC	472	B.L.I.Sc (YCMOU)	20
FYJC Self Finance	111	M.Sc. (Part I)	63
syjc	451	M.Sc. (Part II)	62
F.Y.B.Sc.	541	M.L.I.Sc. (YCMOU)	29
S.Y.B.Sc.	473	DCJ (YCMOU)	05
T.Y.B.Sc.	431	GRAND TOTAL	2658

RESULTS

Ph.D. Awarded to Staff

• Dr. Bhalchandra Kashinath Mandlekar (Asso. Professor, Department Physics)

Title of Ph.D. Thesis: Development of Tungsten Trioxide and Vanadium Pentoxide thin films with Titanium Dioxide for Photo electrochromic application.

Name of Guide: Dr. Anamica V. Kadam, Professor, Dr. Homi Bhabha State University, Mumbai.

• Dr. Tukaram Vaijanath Navghare (Asst. Professor, Department of Statistics)

Title of Ph.D. thesis: A Study on Statistical Techniques In Deep Learning
Name of Guide: Dr. Vinayak Apparao Jadhav, Principal, College of Computer Science and
Information Technology, Latur. Swami Ramanand Teerth Marathwada University, Nanded.

• Dr. Jui Pimple (Asst. Professor, Department of Clinical Psychology)

Title of Ph.D. Thesis: Effect of Perceived Social Support and Volunteering on Psychological Wellbeing and Resilience of College Students.

Name of Guide: Dr. Pragna Parikh, University: Dept. of Psychology, University of Gujarat

Ph.D. Awarded to Students

• Dr. Chetana Shetty

Title of Ph.D. Thesis: Comparative Evaluation of *Cissampelos pareira* L. and its substitutes. Name of Guide: Prof. Moitreyee Saha, Dept. of Botany, VPM's B.N.Bandodkar College of Science (Autonomous), Thane, Affiliated to University of Mumbai.

• Dr. Sneha Joshi and Dr. Chinmay Khanolkar

Name of Guide: Dr. Madhuri Pejaver, Dept. of Zoology, VPM's B.N.Bandodkar College of Science (Autonomous), Thane, Affiliated to University of Mumbai

H.S.C Result for the academic year -

Rank Holders

Rank	Name of students	Marks	Percentage
1	Shetty Ashika Ramesh Usha	547	91.17 %
2	Jadhav Rushal Sharad Rupali	534	89.00 %
3	Rajat Biju Nisha	533	88.83 %

First in Subject

Sr.No.	Subject	Name of the students	Marks
1.	English	Chandanshive Nandini Santosh Jayshree	92/100
2.	Marathi	Sadolkar Priyanka Vilas Alka	94/100
3.	Hindi	Gupta Roshani Harendra Neelam	95/100
4.	Sanskrit	Gogawale Madhura Vishnu Vasanti	97/100
5.	Maths	Shetty Ashika Ramesh Usha Patil Pradnya Balkrishna Sunita	98/100 98/100
6.	Physics	Shetty Ashika Ramesh Usha Fegade Prerna Mahadev Rukmini	94/100 94/100
7.	Chemistry	Patil Devyani Jijabrao Pratibha	92/100
8.	Biology	Shinde Tanmay Gorakhnat Sangeeta	97/100
9.	Comp.Science	Jadhav Rushal Sharad Rupali	193/200

Tabulated Results of the last Board and University Examinations conducted.

Class	% Result
FYJC	97.66
SYJC	97.50
F.Y.B.Sc.	59.47
S.Y.B.Sc.	68.01
T.Y.B.Sc.	79.70
M.Sc. (Part I)	87.32
M.Sc. (Part II)	93.17

Subject wise results at Graduation and Post-Graduation

No.	Subject (B.Sc. Aided)	Pass Percent age	No.	Subject (B.Sc. Self- Financing)	Pass Percentage	No.	Subject (M.Sc.)	Pass Percentage
1	Botany	100	1	Biotechnology	81. 40	1	Chemistry	100
2	Chemis try	92.42	2	Biochemistry	76.92	2	Environment al Science	100
3	Physics	57.14	3	Computer Science	92.45	3	Information Technology	94.44
4	Mathe matics	53.57	4	Information Technology	94.64	4	Physics	88.89
5	Statisti cs	95.12	5	Human Science	100	5	Biodiversity Conservation	66.67
6	Zoolog y	93.33	6	Microbiology	81.82		and Wildlife Management	
						6	Data Science	100
						7	Clinical Psychology	100
	verall tesult			T.Y.B.Sc 79.70			M.Sc. 93.1	7

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

Sr.	Name	Achievement
No.		
I	Office	
1	Mr. Ramchandra Shinde	Completed LLB from ST Welfred College of Law, Panvel Affiliated to Mumbai University
2	Mr. S.D. Choudhari	Gunijan Purskar 2024
II	Jr. College	
3	Ms. Ashwini Sawant	Completed Diploma in School Management
4	Mr. Sunil Bhusara	Completed 10 Km Run at Atal Setu
5	Mrs. Darshana Chavan	Completed 10 Km Run at Atal Setu
6	Mr. Vinod Thorat	First Prize in Intercollegiate Carrom Tournament held at Royal College

45)

III	Biochemistry				
7	Ms. Pooja Kanse	Completed a Two year B.Ed Degree in July 2024			
		Participated in the UDAAN: the flight of extension			
		Aavishkar University of Mumbai - Participation (Zonal round)			
8	Ms. Shradha Pagare	Green Club - Sophia College			
U	Wis. official rugare	Aavishkar University of Mumbai - Participation (Zonal			
		round)11/12/2024			
		Aavishkar Mumbai University - Merit (Zonal round)11/12/2024			
		Aavishkar Mumbai University - participation 19/12/2024			
9	Ms. Arthi Manohar	Aavishkar University of Mumbai - Participation (Zonal round)11/12/2024			
		Aavishkar Mumbai University - Merit (Zonal round)11/12/2024			
		Aavishkar Mumbai University - participation19/12/2024			
IV	Biotechnology and Microl	biology			
10	Dr. Jayashree Pawar	Honorable Vice-Chancellor nominated member of Board of Studies in Biotechnology, University of Mumbai			
ν	Botany				
11	Dr. Ur mil a Kumavat	Gunijan Purskar 2024			
	Di. Orimia Kamavat	Represented in World Summit at Taj President, Mumbai			
12	Dr. Swarupa Agnihotri	First Prize in Rangoli Competition organized under Eat Right			
DOMESTIC		Mela			
VI	EVS & BWCM				
13	Mr. Aditya Mhatre	Qualified MU-PET 2024			
	Mr. Aditya Mhatre	Invited as Resource Person for Workshop at Rizvi College of Arts, Science and Commerce, Bandra			
14	Ms. Asba Ansari	Invited as Resource Person for Guest Lecture at Rizvi College of			
14	IVIS. ASDA AIISAII	Arts, Science and Commerce, Bandra			
	Ms. Asba Ansari	Invited as Resource Person for Workshop at Rizvi College of Arts			
		Science and Commerce, Bandra			
15	Mr. Aditya Mhatre, Ms.	Invited as External Audit Member at Rizvi College of Arts			
	Asba Ansari	Science and Commerce, Bandra			
16	Ms. Saloni Sheth	1st Prize in Oral Presentation at National Conference on			
		"Protecting Wetlands for Our Common Future" organized by Paryavaran Dakshata Mandal in collaboration with University of Mumbai, Kalina on 1 st February, 2025			
VII	Chemistry	Mambal, Rama off Teordary, 2020			
triggetta (2000 100 100 100 100 100 100 100 100 100				
17	Dr Anita Goswami-Giri	Chair session (Oral Presentation) for National conference on ECO-PULSE: Monitoring beats of ecosystem held on 14-15 Feb 2025			
18	Dr Pralhad Wagh	Chair session (Poster Presentation) for National conference on			
		ECO-PULSE: Monitoring beats of ecosystem held on 14-15 Feb			
		2025			
VIII	Clinical Psychology				
19	Dr. Jui Pimple	Completed Ph.D. in Psychology from Gujarat University			
20	Ms. Supriya Damle	3rd price for Street Play in Udaan fest on 16 January 2025.			
20	Mo. oupriya Dunne	ord price for others I my in oddan less on to jundary 2020.			

IX	Mathematics			
21	Umalaxmi Patne	Invited as a resource person for the online intercollegiate IIT JAM Mathematics workshop organised by the Department of Mathematics at Wilson College (Autonomous), Mumbai		
22	Minal Wankhede	Member of board of studies (Mathematics) at Birla College Kalyan.		
Х	Physics			
23	Dr. Bhalchandra Mandlekar	Awarded Ph D Degree 2024 Development Of Tungsten Trioxide and Vanadium pentoxide thin films with Titanium Dioxide for Photoeletrochromic applications.		
XI	Statistics			
24	Mrs. Mohini P. Kulkarni.	Delivered lecture on Careers in Statistics at "Career Melava" conducted by B. N. Bandodkar College of Science, Junior college		
25	Mr. Abhishek C. Bandivadekar	Delivered lecture on Careers in Statistics at "Career Melava" conducted by B. N. Bandodkar College of Science, Junior college		
26	Dr. Tukaram Navghare	Awarded PhD degree from Swami Ramanand Teerth Marathwada University Nanded		
XII	Library	✓		
27	Mrs Kadambari Manjrekar	Received Best Paper Presenter Award at One Day National Conference on "Role of Libraries in quality enhancement and NAAC Accreditation" held on 8 th February 2025 at Royal College, Mira Road		
XIII	Zoology			
28	Dr Vinda Manjramkar	Excellence in reviewing in recognition of an outstanding contribution to the quality of the journal. Roundtable speaker at 31 st Elets world education summit-05/12/2024. Coordinator of MSc – endocrinology syllabus in Mumbai		
		University.		
		BoS-Member at CKT college. Judge at NKT College, Thane on the Science Day.		
		Awarded by RFN Esports- Ready for Next Esports.		
		Awarded by Star education award 2024 in the category of BEST College.		
		Convener at Botany conference 'Eco-pulse- Monitoring beats of ecosystem'		
		Committee member of DLLE syllabus at University of Mumbai.		
		Peer–reviewing of Evaluating Morphometric Character Variations in Diploid and Triploid		
		Common Carp (<i>Cyprinus carpio</i>) during Early Developmental Stages. (Journal of Advances in Biology & Biotechnology		
	}	Rovex award for Rotary year 2024-25		
		Global iconic entertainment and business award- Six sigma excellence		
		Awarded as a Majhi Vasundhara Mitra by the government of Maharashtra. 01/02/2025.		

		Certificate of excellence in reviewing- International journal of environment and climate change.
		Certificate of excellence in reviewing- Advances in biology and biotechnology.
29	Dr. Kiran Pariya	Supported in the promotion of the self-immunity check we application.
		BOS Members at the University of Mumbai.
		A guided student completed the Master of Science by Research in Zoology.
		Judge for 19 th Avishkar (Zonal Round) for category 4: Agricultur and Animal Husbandry, UG, PG and PPG levels. 13/12/2024
		Resource person for conducting session on Personality
		Development and Goal Setting at 5 days District level
		'Leadership Training Programme' 16/12/2024.
		A panel member of selection committee for interview of
		'Assistant Professor'. 05/02/2025 at Bhavan's College.
		Approved the topic of two PhD scholar students under th
		University of Mumbai.19/04/2024
		Awarded as a Majhi Vasundhara Mitra by the government of
		Maharashtra. 01/02/2025
30	Dr. Abhay Morajkar	Resource person at Phansad field workshop 04/10/2024
30	Dr. Abnay Morajkar	06/10/2025
		Membership of Asian Council of Science Editors.
		Aavishkar University of Mumbai - Participation (Zonal round)
		11/12/2024
	1	Presented a poster at Botany conference 'Eco-pulse- Monitorin
		beats of ecosystem'
		Presented a research paper at Botany conference 'Eco-pulse
		Monitoring beats of ecosystem'
		Member of MSc part II physiology syllabus committee a
		University of Mumbai.
		Member of SYBSc affiliated college's syllabus committee a
		University of Mumbai.
		Research paper presentation at One day National conference
		ENTREPRENEURIAL ADVANCES AND PURSUITS I
		BIOLOGICAL SCIENCE at S.S.L.S Patkar college, Goregaon.
		Awarded as a Majhi Vasundhara Mitra by the government
		Maharashtra. 01/02/2025
31	Dr. Nilesh Jawalkar	Aavishkar University of Mumbai - Participation (Zonal round)
		11/12/2024
		Awarded as a Majhi Vasundhara Mitra by the government of
		Maharashtra. 01/02/2025
		Presented a poster at Botany conference 'Eco-pulse- Monitorin
		beats of ecosystem'
		Research paper presentation at One day National conference
		Entrepreneurial Advances And Pursuits In Biological Science
		S.S.L.S Patkar college, Goregaon.
32	Ms. Sakshi Rajesh	
80800	Dandekar	Resource person at Phansad field workshop 04/10/2024
		06/10/2025.
		Aavishkar University of Mumbai - Participation (Zonal round)
		11/12/2024

		Aavishkar Mumbai University - Merit (Zonal round) 11/12/2024			
		Aavishkar Mumbai University - participation 19/12/2024			
		Participated in the UDAAN : the flight of extension (DLLE)			
		Presented a poster at Botany conference 'Eco-pulse- Monitoring			
		beats of ecosystem'			
		Coordinator of credit course- Fish Dishes			
		Awarded as a Majhi Vasundhara Mitra by the government of			
		Maharashtra. 01/02/2025			
33	Ms. Nikeeta Keni	Aavishkar University of Mumbai - Participation (Zonal round)			
		11/12/2024			
		Participated in the UDAAN : the flight of extension (DLLE)			
		Presented a poster at Botany conference 'Eco-pulse- Monitoring			
		beats of ecosystem'			
		Awarded as a Majhi Vasundhara Mitra by the government of			
		Maharashtra. 01/02/2025			
		Coordinator of credit course- Fish Dishes			

❖ Noteworthy Achievements by students: At International/ National/ State/ District/ Intercollegiate/Other Level

Sr. No.	Name	Class	International/ National/ State/ District/ Intercollegiate/ Other Level	Achievement
1	Siya Mahesh Patil	S.Y.Bsc	Intercollegiate	1st Prize in Green Tank
2	Saneelah Sajid Vasaikar	T.Y.Bsc	Intercollegiate	1st prize in Mehndi Competition
3	Simra Danish Cheulkar	F.Y.Bsc	Intercollegiate	1st prize in josh- Table Tennis Competition
4	Team of T.Y.Bsc Biochemistry Girls	T.Y.Bsc	College	1st prize in Tug of War
5	Saneelah Sajid Vasaikar	T.Y.Bsc	College	1st prize in Carrom Doubles
6	Bhumika Haresh Korpe	T.Y.Bsc	College	1st prize in Carrom Doubles
7	Sachiv Pandey	S.Y.Bsc	Intercollegiate	1st prize in Infotech Innovation
8	Vanshika Agrawal	T.Y.Bsc	College	1st prize in Best attire ramp walk
9	Jagmohan Yadav	T.Y.Bsc	College	1st prize in Carrom Doubles
10	Siya Mahesh Patil	S.Y.Bsc	Intercollegiate	2nd prize in Gandharva- Story Writing
11	Soham Ramesh Patole	S.Y.Bsc	College	2nd prize in Nutribites organized by Biochemistry Department

12	Bhumika Haresh	T.Y.Bsc	District	3rd prize in Poster
	Korpe			Making Youth Festival
13	Saneelah Sajid	T.Y.Bsc	District	3rd prize in Poster
	Vasaikar			Making Youth Festival
14	Shaziya Tasneem	S.Y.Bsc	College	2nd Bioquizes in Biogala
	Shaikh			annual fest of
				Biotechnology &
				Microbiology
15	Sneha Rajendra	S.Y.Bsc	College	2nd Bioquizes in Biogala
	Shinde			annual fest of
				Biotechnology රී
				Microbiology
16	Yagya Kuldip Singh	S.Y.Bsc	Intercollegiate	2nd prize in Udaan -
	Bhandari		, -	Creative Writing
17	Sneha Rajendra	S.Y.Bsc	College	Consolation prize in
	Shinde		7-7	Nutribites organized by
				Biochemistry
				Department
18	Neha Rayees Khan	S.Y.Bsc	College	Consolation prize in
	7789		9990	Nutribites organized by
				Biochemistry
				Department
				1000
19	Shaziya Tasneem	S.Y.Bsc	College	Consolation prize in
				Nutribites organized by
				Biochemistry
				Department
20	Darshika Rajendra	S.Y.Bsc	College	Consolation prize in
	Kurkure			Nutribites organized by
				Biochemistry
				Department
	V pl 1!	e V Doc	0.11	0
21	Yagya Bhandari	S.Y.Bsc	College	Consolation prize in
				Nutribites organized by
				Biochemistry Department
- 00	Zaidi Ali Abbas	S.Y.Bsc	Calloga	Consolation prize in
22	Laidi Ali Abbas	6. I. D&C	College	Nutribites organized by
				Biochemistry
				Department
23	Saneelah Sajid	T.Y.Bsc	District	Appreciation certificate
20	Vasaikar	1.1.050	District	in photography event in
	vasaikai			Youth Festival
	1			Toutillestival

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24	Saneelah Sajid T.Y.Bsc Vasaikar		District	Appreciation certificate in photography event in Youth Festival
25	Saneelah Sajid Vasaikar	T.Y.Bsc	District	Appreciation certificate in photography event in Youth Festival
26	Saneelah Sajid T.Y.Bsc Vasaikar		District	Appreciation certificate in photography event in Youth Festival
27	Vighneshwar Raghunath Boga	T. Y. B. Sc. (Biotechnology)	Intercollegiate	1st Prize in Spotlight Showdown
28	Vighneshwar Raghunath Boga	T. Y. B. Sc. (Biotechnology)	Intercollegiate	2nd Prize in Better than Autocorrect (Spell Bee)
29	Saloni Sachin Nikam S. Y. B. Sc. (Microbiology)		Intercollegiate	3rd prize in Street play Competition in UDAAN fest
30	Mansoori Hiba Gufran Maleha	F. Y. B. Sc. (Biotechnology)	Other Level	2nd prize in Akanksha fes TOTE BAG Competition
31	Ria Santosh Gouda	S. Y. B. Sc. (Microbiology)	Intercollegiate	3rd prize in Street play (UDAAN FEST)
32	Yashashree sunil Kakuste	S. Y. B. Sc. (Microbiology)	Intercollegiate	3rd prize in Street play (Udaan fest DLLE)
33	Mishkaat Salim Shaikh	S. Y. B. Sc. (Microbiology)	Intercollegiate	3rd prize in Udaan Fest- Street Play-DLLE
34	Nischal S. Y. B. Sc. pradeepkumar (Microbiology) yadav		Intercollegiate	3rd prize in Street play Udaan fest DLLE
35	Nishigandha D. M. More	F. Y. B. Sc. (Biotechnology)	Other Level	1st prize in Antigen Chase Departmental fest 2024
36	Shaikh Namra, Ansari Mehwish, Sayyed Aisha	M.Sc. II EVS	National	1st Prize in Poster Presentation at National Conference on "Protecting Wetlands for Our Common Future"
37	Pooja Kumavat	M.Sc. II EVS	National	1 st Prize in Oral Presentation at National Conference on

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				"Protecting Wetlands for Our Common Future"
38	Mr. Sachin	M.Sc. II EVS	National	3 rd Prize in Oral
00	Deshpande	Wi.oc. II L v o	Ivational	Presentation at National
	Desirpande			Conference on
				"Protecting Wetlands for
				Our Common Future"
20	Ms. Shambhavi	M.Sc. II	National	The control of the co
39	THE SAID	BWCM	INACIONAL	1st Prize in Butterfly
	Chavan	BWCM		Race organised by
				Naturalist Explorers in
				collaboration with BBM,
2002002	White Value and Bertalin Middle			Sanctuary Asia, WWF
40	Ms. Mrunali Patil	TYBSc	Intercollegiate	First Prize in online
				photography competition
				on Eco-friendly Ganesh
				idol and decoration
				organized by BNHS
				Mumbai
				First Prize in Poster
				Competition in Eat Right
				Mela organized by BNB
				College with FDA
				First Prize in Poem
				Recitation competition
				organized under Nehru
				Uva Utsav
41	Ms. Shreya Rajesh	SY BSc	District level	2 nd Price in digital poster
	Rumde	Zoology		making competition
42	Ms. Sanskruti	TYBSc Zoology	Intercollegiate level	3 rd Price in singing
	Revnath Patil	(37,27	NEW CONTRACTOR	competition
43	Ms. Kajal Sharma	TYBSc Zoology	Other	2 nd Price in street play
	200			competition
44	Mr. Tushar Dalvi	PhD Scholar	National Level	2 nd Price in paper
	Mr. Suketu Das	Zoology		presentation at 'Eco-Pulse'
		35 m 3		National Conference

Noteworthy Achievements by students: At International/ National/ State/ District/ Intercollegiate/ Other Level by Committee

Sr. no.	Name	Department	International/ National/ State/ District/ Intercollegiate / Other Level	Achievement
I	Cultural Comm	ittee		
1	Ms. Shlesha Boke	TYBSc	Zonal	First Prize in Indian Classical Dance in Youth Festival

Sanyuja 2024-25

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III	Gymkhana			
2	Neha Pawar	T.Y.B.Sc.	National	1 st place in powerlifting competition (Association) National level and selected for all India powerlifting competition.
3	Hrushikesh Bedse	SYJC	State	Silver medal in Taekwondo
4	Malhar Mahesh Bhosale Degree College	S.Y.BSc	Intercollegia te Level (One Zone)	Silver Medal In Boxing
5	सुजल निलेश खुटवड	SYJC	Division Level	Second In कुस्ती फ्रीस्टाईल
6	तेजस तुषार चव्हाण	SYJC	Division Level	First In ज्युदो
7	वीरकर वैष्णवी प्रवीण	SYJC	District Level	Second in किक बॉविंसग
8	गायत्री मनोज योगी	FYJC	District Level	Fourth in बुद्धीबळ
9	संचित दिपक कांबळे	FYJC	District Level	Second in फेनसींग - ईपी
10	प्राची अविनाश आहेर	SYJC	District Level	Fourth in फेनसींग - फ़ॉईल
11	प्राची अविनाश आहेर	FYJC	District Level	Third in फेनसींग - सेबर
12	शेख अलफिया अहमद अली	FYJC	District Level	Third in कराटे
13	तनया संदेश गावंड	FYJC	District Level	Third in नेमबाजी (एअर पिस्तूल)
14	निहारीका राजकुमार शिंदे	SYJC	District Level	Third in तायक्वाँदो
15	मनाली संजय दळवी	FYJC	District Level	First in कुस्ती फ्रीस्टाईल
16	सुजल निलेश खुटवड	SYJC	District Level	First in कुस्ती फ्रीस्टाईल
17	अपूर्व नरेंद्र पवार	FYJC	District Level	Second in १०० मी बॅक स्ट्रोक
18	शार्दुल संजय घाडीगांवकर	FYJC	District Level	Second in १०० मी बटरफ्लाय (BU)
19	अथर्व नरेंद्र पवार	FYJC	District Level	Third in १०० मी बटरफ्लाय (BU)
20	शार्दुल संजय घाडीगांवकर	FYJC	District Level	Third in ५० मी फ्री स्टाइल (FS)



21	शार्दुल संजय घाडीगांवकर	FYJC	District Level	Second in ५० मी बटरफ्लाय (BU)
22	अपूर्व नरेंद्र पवार	FYJC	District Level	First in ५० मी.बॅक स्ट्रोक
2 3	मेहुल गणेश गायकवाड	FYJC	District Level	First in 5000 मीटर धावणे
24	आकाश पांडुरंग राठोड	FYJC	District Level	Third in लांब उडी
25	प्रणय सचिन राखाडे	SYJC	District Level	Second in गोळा फेक
TY	NCC	-		

IV NCC

National Level Camps:

- 1. SUO. Sarthak Chandrakant Choramale Republic Day Camp (RDC), Delhi, 2025.
- 2. CQMS. Soumyaraj Ashok Shinde Shivaji Trial Trek (STT), Kolhapur.
- 3. CDT. Amit Parmanand Yadav Shivaji Trial Trek (STT), Kolhapur.
- 4. LCPL. Jitendra Ramprasad Rastogi Shivaji Trial Trek (STT), Kolhapur.
- 5. JUO. Shubham Khandu Date Shivaji Trial Trek (STT), Kolhapur.
- 6. JUO. Atharva Sharad Pawar Shivaji Trial Trek (STT), Kolhapur.

State Level Camps:

- 1. SGT. Kunal Dattatray Kharat RDC (IGC), Pune.
- 2. SGT. Kunal Shankar Kolekar RDC (IGC), Pune.
- 3. CPL. Akash Buddhisagar Chaturvedi RDC (IGC), Pune.
- 4. SGT. Harsh Kiran Dhiver RDC (IGC), Pune.
- 5. CPL. Akash Buddhisagar Chaturvedi Basic Leadership Camp (BLC).
- 6. CQMS. Soumyaraj Ashok Shinde EBSB Camp, Kerala.
- 7. LCPL. Jitendra Ramprasad Rastogi EBSB Camp, Jalgaon.

VΙ	DLLE			
28	Shravan Bhosale	Human Science	Intercollegiate	2 rd Prize in Elocution competition in PRAKHAR, Jhunjhunwala College, Ghatkopar
29	Shravan Bhosale	Human Science	University Level	3 rd Prize in Elocution competition in UDAAN festival
30	Yagya Bhandari	Biochemistry	University Level	2 nd Prize in Creative writing competition in UDAAN festival
31	Ria Gouda	Microbiology	University Level	3 rd Prize in Street play competition in UDAAN festival
32	Nischal Yadav	Microbiology	University Level	3 rd Prize in Street play competition in UDAAN festival

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		T Who we will be	T	
33	Mishkaat Shaikh	Microbiology	University Level	3 rd Prize in Street play competition in UDAAN festival
34	Saloni Nikam	Microbiology	University Level	3 rd Prize in Street play competition in UDAAN festival
35	Purnima Penugouda	Microbiology	University Level	3 rd Prize in Street play competition in UDAAN festival
36	Yashashree Kakuste	Microbiology	University Level	3 rd Prize in Street play competition in UDAAN festival
37	Ankita Birajdar	Microbiology	University Level	3 rd Prize in Street play competition in UDAAN festival
38	Riya Mhatre	Microbiology	University Level	3 rd Prize in Street play competition in UDAAN festival
39	Alfa Sahibole	Microbiology	University Level	3 rd Prize in Street play competition in UDAAN festival
40	Aparna Shukla	Microbiology	University Level	3 rd Prize in Street play competition in UDAAN festival
	NSS			
41	Shreya Rumde	NSS	District level	2nd prize Digital Poster Making Competition on HIV-AIDS
42	Satvik Tayde	NSS		1st prize in International Youth Day Digital Poster Making Competition 3rd prize in Swaccha Sagar - Surakshit SagarReel Making 1st prize in Cyber sakhi Digital Poster Making Competition 1st Prize International Voter's Day competitions - Laghupat
43	Vidhi Kasurde	NSS	-	2nd prize in International Youth Day Digital Poster Making
44	Shreetama bhattacharya	NSS		1st prize in Swaccha Sagar - Surakshit Sagar Slogan Making
45	Farida Pathan	NSS	-	2nd prize in Swaccha Sagar - Surakshit Sagar Slogan Making
46	Sara dalvi	NSS		3rd prize in Swaccha Sagar - Surakshit Sagar Slogan Making
47	Supriya Yadav	NSS	=	1st prize in Swaccha Sagar - Surakshit SagarReel Making
48	Ashitosh lokhande	NSS	-	2nd prize in Swaccha Sagar - Surakshit SagarReel Making
49	Sanika Pawar	NSS	-	2nd prize in Cyber sakhi Digital Poster Making Competition
50	Pratik Jaiswar	NSS	=	3rd prize in Cyber sakhi Digital Poster Making Competition
51	Vitthal Sawant	NSS	District Level	Utkarsh Camp
52	Krutarth Chavan	NSS	-	1st prize International Voter's Day competitions - Nibandha
53	Kavya Vengurlekar	NSS		1st prize International Voter's Day competitions- slogan making



54	Pradnya Kulkarni	NSS	-	2nd prize International Voter's Day competitions- slogan making	
5 5	Hetal Tamboli	NSS		1st prize International Voter's Day competitions-meme making	
56	Sharavani Shelke	NSS		2nd prize International Voter's Day competitions-meme making	
57	Smayan Balan Vitthal Sawant Alisha Gauda	NSS	District level	Selected for leadership training program	
58	Aanshik Sharma Shraddha Doke	NSS	District level	Leadership Development Program :	
59	Shreetama bhattacharya Tanvi Padwal Shravani Jadha Diksha Kamble Smayan Balan Soham Tawade Rushikesh Shinde Vitthal Sawant Sanskruti panchal Alisha gauda		State level	Nukkad Natak winners	

- Different Games played at Intercollegiate Level Thane Zone III
 Group Event Cricket and Football Team Played till Quarter Final Round
 Individual Events as follows -

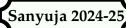
Sr.No.	Name of the Event	Men	Women
1	Chess	2	2
2	Badminton	7 <u>5</u>	3
3	Table Tennis	5	3
4	Basketball	9	
5	Athletics	4	2
6	Cross Country	2	-
7	Boxing	5	<u>.</u>
8	Weight Lifting	部劃	1
9	Powerlifting	63 9 1	1
10	Archery	(#	1
11	Road Cycling	1	1 -
12	Taekwondo	2	-
13	Football	18	<u> </u>
14	Cricket	14	-
	Total	62	13

College Annual Sports Day Participation Data 2024 – 2025

Sr.No.	Name of the Event	Mei	Men		Women	
		Degree	Junior	Degree	Junior	
1	Chess	22	18	19)	
2	Table Tennis	10	6	9	Í	
3	Carrom	47	28	19)	
4	100 Mtr Run	20	19	28	25	
5	200 Mtr. Run	22	19	23	23	
6	Shot Put	27	27	20	20	
7	Discus Throw	29	25	30	0	
8	Long Jump	33	25	20	5	
	Total	210	168	17	1	
9	Football (One Team each 9+2)	9 Team Jr. 6	ੋਂ Degree			
10	Box Cricket (One Team each 7+2)	10 Team	8 Team	-	9.	

Individual Teacher Activity- (FDP/ Workshop/ Seminar/ Conference/ Training Attended)

Sr. no.	Name of the Faculty	FDP/Workshop/Seminar/Conference/Train ing attended	Date		
I		Biochemistry			
1	Pooja Kanse	Completed in Second Term Training Program for Extension Teacher & Student Manager	20/12/2024		
		Completed one day workshop on "Mapping and Attainment of COs and POs"	20/09/2024		
2	Shradha Pagare	Mapping and Attainment of COs and POs	20/09/2024		
		AI tools for Researchers	27/10/2025 - 30/10/2025		
		Basic to Advance Bioinformatics	04/12/2024 - 19/12/2024		
3	Arthi Manohar	Mapping and Attainment of COs and POs	20/09/2024		
II		Botany			
4	Dr. Urmila C. Kumavat	Completed Refresher Course on 'Life Sciences' organized by UGC-MMTTC Goa University	18/09/2024 - 01/10/2024		
III	Chemistry				
5	Dr. S.S. Kahandal	Two Days National Conference on material science and chemistry	04/10/2024- 05/10/2024		
6	Dr. A.S. Goswami-Giri	Mapping and Attainment of COs and Pos	20/09/2024		



7	Dr. A.N. Bhumkar	Mapping and Attainment of COs and Pos	20/09/2024
8	Dr. P.S. Wagh	Mapping and Attainment of COs and Pos	20/09/2024
9	Dr. S.S. Kahandal	Mapping and Attainment of COs and Pos	20/09/2024
10	Mr. H.S. Labhade	Mapping and Attainment of COs and Pos	20/09/2024
11	Mr. J.B. Wable	Mapping and Attainment of COs and Pos	20/09/2024
12	Mr. R.D. Bachhav	Mapping and Attainment of COs and Pos	20/09/2024
13	Dr. R.C. Patil	Mapping and Attainment of COs and Pos	20/09/2024
14	Dr. S.S. Kahandal	A Two-Day Workshopon Qualitative and Quantitative X-Ray Diffraction Data Analysis using Rietveld Refinement.	25/09/2024- 26/09/2024
15	Dr. A.S. Goswami-Giri	Workshop for "Subject Teachers for Orienting towards NEP 2020 Compliant Syllabus and Curriculum through Board of Studies"	27/09/2024
16	Dr. A.N. Bhumkar	Workshop for "Subject Teachers for Orienting towards NEP 2020 Compliant Syllabus and Curriculum through Board of Studies"	27/09/2024
17	Dr. P.S. Wagh	Workshop for "Subject Teachers for Orienting towards NEP 2020 Compliant Syllabus and Curriculum through Board of Studies"	27/09/2024
18	Dr. S.S. Kahandal	Workshop for "Subject Teachers for Orienting towards NEP 2020 Compliant Syllabus and Curriculum through Board of Studies"	27/09/2024
19	Mr. H. S. Labhade	Workshop for "Subject Teachers for Orienting towards NEP 2020 Compliant Syllabus and Curriculum through Board of Studies"	27/09/2024
20	Mr. J. B. Wable	Workshop for "Subject Teachers for Orienting towards NEP 2020 Compliant Syllabus and Curriculum through Board of Studies"	27/09/2024
21	Mr. R. D. Bachhav	Compliant Syllabus and Curriculum through Board of Studies"	27/09/2024
22	Dr. R. C. Patil	Workshop for "Subject Teachers for	27/09/2024

		Orienting towards NEP 2020 Compliant Syllabus and Curriculum through Board of Studies"	
23	Ms. S.S. Lad	Workshop for "Subject Teachers for Orienting towards NEP 2020 Compliant Syllabus and Curriculum through Board of Studies"	27/09/2024
IV		Human Science & Clinical Psychology	
24	Ms. Supriya Damle Dr. Jui Pimple Ms. Priyanka Gaikwad Mr. Nupur Talele	Completed one day workshop on "Mapping and Attainment of COs and POs"	20/09/2024
25	Ms. Supriya Damle Dr. Jui Pimple Ms. Priyanka Gaikwad Mr. Nupur Talele	Faculty Development Program on Role of AI in Research & Teaching Pedagogy, Bandodkar College	27/7/2024
26	Mr. Nupur Talele	FDP- Manoday	10/10/2024
27	Ms. Supriya Damle Ms. Priyanka Gaikwad	Khadi Conference	18/01/2025
28	Ms. Supriya Damle	DLLE second-term training program	20/12/2024
ν		IT-CS	
29	Mr. Tejas Jadhav	Attended National FDP on Applications of AI, ML and IoT using MAT-LAB and Simulink	24/01/2025 - 28/03/2025
VI		EVS and BWCM	
30	Mr. Aditya Mhatre, Ms. Asba Ansari	National Conference on "Mangroves Biodiversity and Environment Conservation" by MD College, Mumbai	26/07/2024
31	Mr. Aditya Mhatre, Ms. Asba Ansari	Faculty Development Program on Role of AI in Research & Teaching Pedagogy, Bandodkar College	27/7/2024
32	Mr. Aditya Mhatre	"Webinar Training on QGIS Forestry Applications", TGIS Organization	27/7/2024 to 28/7/2024
33	Ms. Asba Ansari and Ms. Saloni Sheth	Workshop on Mapping and Attainment of COs and Pos, Bandodkar College	20/09/2024
34	Mr. Aditya Mhatre, Ms. Asba Ansari and Ms. Saloni Sheth	RUSA Sponsored One Day Workshop for Subject Teachers for Orienting towards NEP 2020 Compliant Syllabus and Curriculum through Board of Studies, Bandodkar College	27/09/2024

35	Mr. Aditya Mhatre, Ms. Asba Ansari and Ms. Saloni Sheth	National Conference on "Protecting Wetlands for Our Common Future" organized by Paryavaran Dakshata Mandal in collaboration with University of Mumbai, Kalina	01/02/2025
36	Mr. Aditya Mhatre, Ms. Asba Ansari and Ms. Saloni Sheth	National Conference on "Eco Pulse: Monitoring Beats of Ecosystem" in collaboration with Thane Municipal Corporation at BN Bandodkar College, Thane	14/02/2025 පි 15/02/2025
37	Mr. Aditya Mhatre, Ms. Asba Ansari and Ms. Saloni Sheth	UGC sponsored online Short Term Course in "Ecology & Environmental Sciences" organized by UGC- Malaviya Mission Teacher Training Centre (MMTTC), (Formerly UGC-HRDC) Maulana Azad National Urdu University, Hyderabad	3/2/2025 to 8/3/2025
38	Ms. Asba Ansari	Multidisciplinary International Conference on "Water: Past, Present and Future" at BNN College, Bhiwandi	08/03/2025
VII		Mathematics	
39	Umalaxmi Patne	Thane District Planning Sessionof NSS Programme Officers organised by NSS Cell, University of Mumbai	17/08/2024
	Umalaxmi Patne	RUSA SPONSORED ONE DAY WORKSHOP for Subject Teachers for Orienting towards NEP 2020 Compliant Syllabus and Curriculum through Board of Studies	27/09/2024
VIII		Physics	
40	Dr. Ujwala Gokhe	Law and Constitutional Values , ILS Law College Pune,MSFDA	21/10/2024 to 25/10/2024
41	Dr. Sangita Meshram	One Day Western Zone UGC Conference on "Implementation Of NEP" 2020 IIM ,Nagpur	23/10/2024
IX		Zoology	
42	Dr. Vinda Majramkar	Completed one day workshop on "Mapping and Attainment of COs and POs"	20/09/2024
	Dr. Vinda Majramkar	RUSA sponsored one day workshop for subject orienting towards NEP 2020 compliant syllabus and curriculum through board of studies.	27/09/2024

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43	Dr. Kiran Pariya	Completed one day workshop on "Mapping and Attainment of COs and POs"	20/09/2024
	Dr. Kiran Pariya	RUSA sponsored one day workshop for subject orienting towards NEP 2020 compliant syllabus and curriculum through board of studies.	27/09/2024
44	Dr. Abhay Morajkar	Completed one day workshop on "Mapping and Attainment of COs and POs"	20/09/2024
	Dr. Abhay Morajkar	RUSA sponsored one day workshop for subject orienting towards NEP 2020 compliant syllabus and curriculum through board of studies.	27/09/2024
	Dr. Abhay Morajkar	Completed three days field workshop at Phansad.	04/10/2024- 06/10/2025.
45	Dr. Nilesh Jawalkar	Completed one day workshop on "Mapping and Attainment of COs and POs"	20/09/2024
	Dr. Nilesh Jawalkar	RUSA sponsored one day workshop for subject orienting towards NEP 2020 compliant syllabus and curriculum through board of studies.	27/09/2024
46	Ms. Sakshi Dandekar	Completed one day workshop on "Mapping and Attainment of COs and POs"	20/09/2024
	Ms. Sakshi Dandekar	RUSA sponsored one day workshop for subject orienting towards NEP 2020 compliant syllabus and curriculum through board of studies.	27/09/2024
	Ms. Sakshi Dandekar	Completed three days field workshop at Phansad.	04/10/2024- 06/10/2025.
	Ms. Sakshi Dandekar	Completed in Second Term Training Program for Extension Teacher ど Student Manager (DLLE)	20/12/2024
	Ms. Sakshi Dandekar	Participated in workshop on 'The art of resin: pour and create'	11/02/2025
47	Ms. Nikeeta Keni	Completed three days national level FDP on Mastering the Art of Research with Special Emphasis on AI Tools.	26/07/2024- 28/07/2024
	Ms. Nikeeta Keni	Completed one day workshop on "Mapping and Attainment of COs and POs"	20/09/2024

Ms. Nikeeta Keni	Completed in Second Term Training Program for Extension Teacher ど Student Manager (DLLE)	20/12/2024
Ms. Nikeeta Keni	Participated in workshop on 'The art of resin: pour and create'	11/02/2025

Industrial Training/ Internship by students:

Sr.no.	Name	Class	Internship/Training place	Date
		3	Biochemistry	
1	Gayatri Pramod Sahu	TYBSc Biochemistry	Radiance clinical diagnostics, Thane	30 th October - 30 th November 2024
2	Saneelah Sajid Vasaikar	TYBSc Biochemistry	Quality Service and Solution, Vashi	4 th November - 4 th December 2024
3	Sonali Manojkumar Mishra	TYBSc Biochemistry	APX Laboratories - Accuracy Precision and Excellence in Testing, Thane	28 th October - 29 th November 2024
4	Priyal Gujare	TYBSc Biochemistry	Radiance Clinical Diagnostics centre, Thane	28 th October - 29 th November 2024
5	Bhumika Haresh Korpe	TYBSc Biochemistry	Quality Service and Solution, Vashi	4 th November - 4 th December 2024
6	Siddharth Khande	TYBSc Biochemistry	APX Laboratories - Accuracy Precision and Excellence in Testing, Thane	28 th October - 29 th November 2024
7	Simran Ramesh Nishad	TYBSc Biochemistry	Siddhivinayak Diagnostics Centre, Dombivali	4 th November - 4 th December 2024
8	Pragati Santosh Parte	TYBSc Biochemistry	Quality Service and solution, Thane	4 th November - 4 th December 2024
9	Anushka V. Kulkarni	TYBSc Biochemistry	APX Laboratories - Accuracy Precision and Excellence in Testing, Thane	28 th October - 29 th November 2024
10	Aliya Jawwad Shaikh	TYBSc Biochemistry	APX Laboratories - Accuracy Precision and Excellence in Testing, Thane	28 th October - 29 ^t November 2024
	Komal Kamble		APX Laboratories -	28 th October - 29 th

		Biochemistry	Accuracy Precision and Excellence in Testing, Thane	November 2024
12	Vyas Sahani	TYBSc Biochemistry	Precise Laboratories, Thane	28 th October - 29 th November 2024
13	Alwin Israel Nadar	TYBSc Biochemistry	Precise Analytic Laboratory	4 th November - 4 th December 2024
14	Devashri Sakpal	TYBSc Biochemistry	Quality Service and Solution, Vashi	4 th November - 4 th December 2024
15	Shravani parab	TYBSc Biochemistry	Quality Service and Solution, Vashi	25 th October - 25 th November 2024
16	Janhavi Dinesh Yadav	SYBSc Biochemistry	IN-SILICO DRUG DESIGNING INTERNSHIP	16 th August - 29 th August 2024
17	Siya Mahesh Patil	SYBSc Biochemistry	Sushil Path Lab, Mulund	1 st May 2024 - 7 th June 2024
18	Chetna Rajpal Sharma	TYBSc Biochemistry	APX Laboratories - Accuracy Precision and Excellence in Testing, Thane	28 th October - 29 th November 2024
19	Snehal Padmakar choudhari	TYBSc Biochemistry	APX Laboratories - Accuracy Precision and Excellence in Testing, Thane	28 th October - 29 th November 2024
20	Soham Ramesh Patole	TYBSc Biochemistry	Precise Analytic Laboratory, Thane	4 th November - 4 th December 2024
21	Jagmohan yadav	TYBSc Biochemistry	Radiance clinic diagnostic, Thane	30 th October - 30 th November 2024
22	Vanshika Agrawal	TYBSc Biochemistry	Microbio laboratory, Thane	4 th November - 4 th December 2024
23	Darshika Kurkure	SYBSc Biochemistry	In-Silico Drug Designing Internship	16 th August - 29 th August 2024
24	Shravani Suresh Chipade	TYBSc Biochemistry	Quality Service and Solution, Vashi	4 th November - 4 th December 2024
25	Shravani Suresh Chipade	TYBSc Biochemistry	In-Silico Drug Designing Internship, online	16 th August - 29 th August 2024

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26	Yagya Bhandari	SYBSc Biochemistry	In-Silico Drug Designing Internship, online	16 th August - 29 th August 2024		
27	Ummesalma Yusuf Dhanerawala	TYBSc Biochemistry	APX Laboratories - Accuracy Precision and Excellence in Testing, Thane	28 th October - 29 th November 2024		
28	Pragati Santosh Parte	TYBSc Biochemistry	AI tools for all professions Biodeavour Research Labs	17 th July - 27 th July, 2024		
29	Yashvi Singh	SYBSc Biochemistry	Business Development Specialist, online	14 days - July 2024		
30	Gayatri Pramod Sahu	TYBSc Biochemistry	In-Silico Drug Designing Internship, online	16 th August - 29 th August 2024		
II	Biotechnology-Microbiology					
31	Anjali Ajay Ray	T. Y. B. Sc. (Biotechnology)	Midtown diagnostic center	02/05/2024 to 24/05/2024		
32	Shravani Sanjay Landge	T. Y. B. Sc. (Microbiology)	Career scope labs	16/07/2024 to 29/07/2024		
33	Janhvi Sachin Narvekar	T. Y. B. Sc. (Microbiology)	Career scope labs	16/07/2024 to 29/07/2024		
34	Rachna Shetty	T. Y. B. Sc. (Biotechnology)	Dr. Vaidya's Laboratory	28/10/2024 to 30/11/2024		
35	Nandini Shambhshankar Sahani	T. Y. B. Sc. (Biotechnology)	Molecular pathlab llb (internship)	25/11/2024 to 25/12/2024		
III	Chemistry					
36	Nikhil Dinesh Pandey	MSc-I	Shubham Speciality product Pvt. Ltd.	03/02/2025		
37	Lakshmi Parmar	MSc-I	Khardikar Classes,Thane	27/01/2025		
38	Halsangi Farhat Jahan Mohd Mustafa Raziya Begum	M.ScI	Saint International Junior college of Science, TMC, Thane	06/02/2025		
39	Lakshmi Parmar	MSc-I	Saint International Junior College Of Science, TMC, Thane	06/02/2025		
40	Viraj Shelke	MSc-I	Saint International Junior College Of Science, TMC, Thane	06/02/2025		
41	Sahil More	MSc-I	Saint International Junior College Of Science, TMC, Thane	06/02/2025		

26	Yagya Bhandari	SYBSc Biochemistry	In-Silico Drug Designing Internship, online	16 th August - 29 th August 2024		
27	Ummesalma Yusuf Dhanerawala	TYBSc Biochemistry	APX Laboratories - Accuracy Precision and Excellence in Testing, Thane	28 th October - 29 th November 2024		
28	Pragati Santosh Parte	TYBSc Biochemistry	AI tools for all professions Biodeavour Research Labs	17 th July - 27 th July, 2024		
29	Yashvi Singh	SYBSc Biochemistry	Business Development Specialist, online	14 days - July 2024		
30	Gayatri Pramod Sahu	TYBSc Biochemistry	In-Silico Drug Designing Internship, online	16 th August - 29 th August 2024		
II	Biotechnology-Microbiology					
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32	Shravani Sanjay Landge	T. Y. B. Sc. (Microbiology)	Career scope labs	16/07/2024 to 29/07/2024		
33	Janhvi Sachin Narvekar	T. Y. B. Sc. (Microbiology)	Career scope labs	16/07/2024 to 29/07/2024		
34	Rachna Shetty	T. Y. B. Sc. (Biotechnology)	Dr. Vaidya's Laboratory	28/10/2024 to 30/11/2024		
35	Nandini Shambhshankar Sahani	T. Y. B. Sc. (Biotechnology)	Molecular pathlab llb (internship)	25/11/2024 to 25/12/2024		
III	Chemistry					
36	Nikhil Dinesh Pandey	MSc-I	Shubham Speciality product Pvt. Ltd.	03/02/2025		
37	Lakshmi Parmar	MSc-I	Khardikar Classes,Thane	27/01/2025		
38	Halsangi Farhat Jahan Mohd Mustafa Raziya Begum	M.ScI	Saint International Junior college of Science, TMC, Thane	06/02/2025		
39	Lakshmi Parmar	MSc-I	Saint International Junior College Of Science, TMC, Thane	06/02/2025		
40	Viraj Shelke	MSc-I	Saint International Junior College Of Science, TMC, Thane	06/02/2025		
41	Sahil More	MSc-I	Saint International Junior College Of Science, TMC, Thane	06/02/2025		

	T		I			
60	Om Sanjayrao Gulhane	Msc-I				
61	Rajdeep Amar Thorat	Msc-I	Regional Mental Hospital - Thane	12/02/2025 To		
62	Gite Safa Hajimiya	Msc-I		29/03/2025		
63	Om Sanjayrao Gulhane	Msc-I				
ν	EVS and BWCM					
64	Vidhi Dicholkar	MSc Part I	Dr. Ajit Gore's Pet Care Clinic & Stores, Thane	23/12/2024 - 01/04/2025		
65	Aditi Bandu	MSc Part I	Centre of Pastoralism, Delhi	19/12/2024 - 19/03/2025		
66	Aditya Kale	MSc Part I	Ashwamedh Pratisthan, Belpada	10/02/2025 - 01/04/2025		
67	Anurag Phatak	MSc Part I	Ashwamedh Pratisthan, Belpada	10/02/2025 - 01/04/2025		
68	Trupaank Gautam	MSc Part I	Sanjay Gandhi National Park (North Division), Mumbai	19/12/2024 - 19/03/2025		
69	Pratham Tiwari	MSc Part II	Phansad Herp Count, organised by Green Works Trust	16/08/2024 - 18/08/2024		
70	Shambhavi Chavan	MSc Part II	Phansad Herp Count, organised by Green Works Trust	16/08/2024 - 18/08/2024		
71	Nimisha Bane	MSc Part II	Birdwing Publisher (virtual internship)	August 2024		
VI	Zoology					
72	Harsh Ashutosh Tiwari	TYBSc	Emerging Employment in Agriculture, Sericulture, Horticulture, Fisheries Animal Husbandry, Dairy & Allied Sectors for Economic Development of India-Online	01/01/2025 - 21/01/2025		
73	Ms. Kajal Madanesh Sharma	TYBSc	Impact of community toilets on adolescent girls in Thane.	15/11/2024 - 25/12/2024		

Research Projects by students:

Sr.no.	Name	Class	Project title					
I	1070-10 3-70 (1070-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-		Biochemistry					
1	Sneha Shinde Shaziya Shaikh Neha Khan	SYBSc	Ointment formulation using collagen extracted from egg shell membrane.					
2	Prathiksha Dalvi Sakshi Gawde	SYBSc	Phytochemical Analysis of <i>Swertia chirayita</i> Prevention of Antibrowning effect on apple					
3	Faizan Kadri	SYBSc	Prevention of Antibrowning effect on apple					
4	Darshika Kurkure Bhandari Yagya Zaidi Ali Abbas	SYBSc	Extraction of Nanoparticles from Algae					
5	Shravani Ghatkar Siya Patil Sachiv Pandey	SYBSc	Formulations and Characterization of Edible Packaging Material from Fruits peels.					
6	Shruti Patil	SYBSc	Extraction of Cellulose from Corn Cobs					
7	Shefali Sawant Keerti Nautiyal	SYBSc	Development of Edible Films for Drug Delivery using Beetroot Juice					
8	Nishtha Desai Yashvi Singh Janhavi Yadav	SYBSc	Formulation and Comparative Study of Natu Perfumes Based on Essential Oils					
9	Anushka Shinde Vaishnavi Bhekere Komal Shukla	SYBSc	Anthropometric Survey and Nutritional Assessmen Understanding Body Composition and Health Status					
10	Sheetal Singh Sonam Mishra Ashish Yadav	SYBSc	Formulation of herbal lipstick using plant pigments.					
11	Sahil Patil Madhuri Yadav Khan Tannu	SYBSc	Nutrition status of school going children					
12	Amit bambale Chaitali Nikam	SYBSc	Survey on consumption of Junk food					
II		В	iotechnology-Microbiology					
13	Soha Joshi Shreya Tambe	T. Y. B. Sc. Microbi ology T. Y. B. Sc. Biotech nology	Production of biodiesel from consortium of Cyanobacteria and Green algae					
14	Swati Lote Bhumi Thakur Akanksha Lokhande Sabiha Azmi Satyam Jadhav Asmita	S. Y. B. Sc. Biotechn ology	Media reconstitution for bacterial cultivation					

	Prachi Padwal Deepali Waghmare		
15	Nischal Yadav Ria gouda Samiksha padale Alfa Sahibole Aparna Shukla Penugonda Purnima Neha sondkar Ankita birajdar Preetshree ghadge Mishkaat shaikh Saloni nikam Yashashree kakuste Arpana Prajapati Riya Mhatre Jidnyasa Chorge	S. Y. B. Sc. Microbio logy	Validation of expired Microbiological media Kenknight muner media
16	Sanskruti Lotlikar Humera Shaikh Dhanashree Bhise Tanishka Khobrekar Shrushti Pukale Mayuri Raut Tanvi Tervankar Shraddha Palve Krishna Swain	S. Y. B. Sc. Biotech- nology	YouTube videos and Channel creation for biotechnological techniques and instruments.
17	Vijayalaxmi Jadhav Raksha Chavan Apoorva Borkar Zoya Kamal Sakshi Kadam Priya Jadhav Kasturi Bandishti Aarya Kharpude Bhumi Lokhande	S. Y. B. Sc. Biotech- nology	Bio Compost Preparation
18	Anushka Yende Ashlesha Hargude Anuja Chandanshive Dhanashri	S. Y. B. Sc. Biotech- nology	Bio Compost

	Chanderkar Nupoor Shardul Tejashree Mastud Sanika Tiwale Utkarsh Pawar		
III			EVS and BWCM
19	Ms. Tejal Ashok Parmar	M.Sc. II	To Compare And Study Heavy Metal Effects On Seed Germination And Initial Growth Of Legume Seeds
20	Mr. Sachin P. Deshpande	M.Sc. II	Operational Procedure Of Secondary Treatment In Effluent Treatment Plant From Pharmaceutical Industry
21	Ms. Pooja Babulal Kumavat	M.Sc. II	Assessment Of Phytochemical, Antimicrobial, And Toxicological Properties Of Medicinal And Wild Plants
22	Ms. Churi Virashree Virendra	M.Sc. II	Toxicological Assessment Of <i>Curcuma Aromatica</i> Extracts In Bloodworms (Chironomidae), With Phytochemical Screening For Bioactive Compounds
23	Ms. Sayyed Aisha Mohammad Athar	M.Sc. II	To Study The Effects Of Fruit Peels Waste Fertilizers On The Growth Of Chilli Plant (<i>Capsicum annuum</i>) And To Determine The Reducing Sugar Present In Fruit Peels.
24	Ms. Ansari Mehwish Waseem Ahmed	M.Sc. II	Formulation and Evaluation of Organic Liquid Fertilizer from Fruit peels and Its Efficacy on the Growth of Capsicum annuum.
25	Ms. Shaikh Namra Mohammad Saad Akbar	M.Sc. II	Nature's Bounty in Soap: A study on Herbal Soap Formulations
26	Ms. Shruti Shinde	M.Sc. II	A comparative study of Physico-chemical parameters of Masunda lake (Thane) and Gandhinagar Lake (Thane)
27	Ms. Vandana Khude	M.Sc. II	A comparative study of Physico-chemical parameters of Masunda lake (Thane) and Shivaji lake (Thane)
28	Ms. Yogini Ghegad	M.Sc. II	Extraction of Natural dyes from plant origin and its Dyeing capacity on cotton fabric
29	Ms. Nandini Pandey	M.Sc. II	Isolation and characterization of Anaerobic Endophytic Bacteria: Growth patterns, Enzymatic activity and Biochemical properties
30	Ms. Sumaiyya Zainul Islam	M.Sc. II	Comparative growth study of lemon plants: Watering v/s Organic fertilizer
31	Swapnali Korade	M.Sc. II	A Comparative analysis of Indigenous & Scientific Approaches for Wildlife Management
32	Aliya Siddiqui	M.Sc. II	Diversity of order Arachnae along Mukund Keni Garden, Kalva
33	Nimisha Bane	M.Sc. II	Comparative study of different butterfly count methods
34	Pratham Tiwari	M.Sc. II	Household Pesticide Practices: A Survey of usage and Health impacts in Jawsai, Ambarnath
35	Shambhavi Chavan	M.Sc. II	Diversity and notes on ecological study of Formicidae family from Godrej Pirojsha Nagar Township
36	Abhishek Sukla	MSc Part II	Light Pollution during Festival near Thane Region

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IV		Clinic	al Psychology & Human Science
37	Priyanka Thakur	MSc Part	
37	Vira	II	Loneliness Among Young Adults.
38	Urja Bhatia	MSc Part	Supervisory Abuse and Psychological Wellbeing among
00	Orja Dilacia	II	Resident Doctors
39	Shraddha	MSc Part	A correlational Study between social media and the
39	Salikram Yadav	II	quality of sleep among youth.
40	Syed Fatima Feroz	MSc Part	Effect of Positive Psychological Interventions on
10	Hussain	II	Positive affect and Negative affect among Adolescents
41	Manasi Raghuram	MSc Part	A correlational study between Perceived Social
SS. 1.4.2	Managnaram	II	Support and Risk-Taking Behaviour among young
		100	adults and adults
42	Anju Kashyap	MSc Part	A comparative study of romantic beliefs among
25.53)	II	adolescents and adults watching korean drama
43	Ankush Avhad	MSc Part	A correlational study between parenting styles and self
V155E2		II	esteem among young adults
43A	Sharayan Bhosle	TYBSc.	Business Plan Presentation
Palestana.	Shweta Joshi	Hum Sci	
	Pushkar Patil		
	Khushi Yadav		
	Sanskriti Maurya		
	Tanvi Yeram		
	Karima Mandal		
	Amina Kagzi		
	Nikita Adalge		
	Riya Kamble		
	Aishwarya		
	Shettigar		
292	Zubiya Shaikh		
V			Zoology
44	Tiwari Harsh		Creation of Bio-manure using different cattle waste and
44	Ashutosh	TYBSc &	studying its effect on Fenugreek crop.
	Aaryushi Arun	SYBSc	studying its effect on rendgreek crop.
	Singh	BIBE	
	Ankit Anand		
	Pandey		
45	Kanhurkar Shruti	TYBSc &	Bioinsecticidal potential of Jasminum grandiflorum
	Sanjay	SYBSc	extract against <i>Sitophilus oryzae L.</i>
	011-		
	Chavan Varada		
	Ravindra		
	Sawant Vedant		
	Prashant		
	Karjavkar		
	Mayuresh Ranjit		
	inay ar con Ranjie		
	Khirari Nishant		
	Madhukar		
	enverselster in Careen value (Careen Careen		

46	Bodas Atharva Rucha rahul Choughule Amol Arun	TYBSc & SYBSc	Bioethanol production from coconut husk and soyabean with zero waste
	Patil Vidhi Rajesh		

Details of Study Tour/ Field Visit/ Industrial Visit

Sr. No.	Field Visit/I.V/Study tour	Details/ Remarks/ Highlights of visit	Date	Male	Fema le	Total Participants
I	Biochemistry					
1	Lifesenz Cancer laboratory visit	The visit gave thorough insight regarding researchers using equipment, such as RT- PCR, microscopes, HPTLC, GC- MS and advanced imaging systems, to analyze cancer cells or test new treatments can be inspiring.	06/12/2024	3	31	34
2	Industrial Visit to Goa, India	The visit gave thorough insight regarding marine ecosystems, ocean circulation at NIO, step-by-step processes involved in manufacturing or production at Goa Dairy, preparation of vermicompost at ICAR and advanced the research in Ayurvedic medicine, integrating modern scientific knowledge with traditional practices.	16/12/2024- 19/12/2024	11	38	49
3	APX Laboratories - Accuracy Precision and Excellence in Testing, Thane	The visit gave thorough insight regarding working of instruments such as moisture analyser, Ash analyser, Soxhlet apparatus, Kjeldahl apparatus, COD analyser and Biosafety cabinets for microbial analysis to students which they could relate with the theoretical understanding.	22/01/2025	6	21	27

4	Common Effluent Treatment Plant	29/01/2025				
II	Biotechnology-Microbiology					
5	Visit to Govind Greenhouse & Nutrigien Agrotech, Mundhawa, Pune, Madhusagar Honey Manufacturing, Regional wheat rust research station & Mapro factory and food park, Shendurjane, Mahabaleshwar- Wai	Students gained insights into greenhouse Facilities, intricacies of spirulina cultivation and deeper understanding of wheat rust research.	12/12/24 to 14/12/24	12	48	60
III		Botany				
6	Visit to Agricultural Produce Market Committee (APMC) Market, Vashi and Koparkhairane Nursery, New Mumbai.	This activity was intended to give practical exposure to agricultural and horticultural produce	23/09/24 16/11/2024	10	30 52	4 0
7	Visit to Regional Agricultural Research station, Karjat Raigad	Students gained knowledge about rice breeding using self and cross pollinating varieties.	28/08/24	4	16	20
8	Study Tour-Visit to Pandit Jawaharlal Nehru Van Udyan, Jain Mandir- Shree Dharmachakra Prabhav Tirth and Kalaram Mandir Nashik.	This activity helped students to Understanding the importance of plants to maintaining environmental balance	18/01/25	25	67	92
9	Visit to the Flower Exhibition at Veermata Jijabai Bhosale Botanical udyan, Byculla, Mumbai.	Students received enhanced knowledge about modern floriculture practices, plant breeding techniques, and ornamental gardening	01/02/25	12	23	35

IV		Chemistr	У			
10	Visit to ICT Matunga	Students get to know ideas about career in chemistry	03/10/24	19	30	49
11	Visit to Mahabaleshwar (Mapro and Cheese factory)	Students get to know ideas about career in chemistry	05/02/25 - 07/02/25	17	25	42
12	Visit to SI group Pali Sudhagarh, Raigad	Awareness about Industry trends	17/02/25	11	15	26
v		EVS/BCW	М			
13	Visit to Maharashtra Nature Park Society (MNPS), Sion, Mumbai	Students were educated on the significance of reforestation and recreation in an urban environment	30/09/24	14	54	68
14	Visit to Common Effluent Treatment Plant, Navi Mumbai	Students were educated on the protocol, instrumentation and working of sewage water treatment	19/11/2024	O2	11	13
15	Dapoli study tour	Highlights of the tour: Beach walks for intertidal study Forest walk for avifaunal diversity Animal track & sign analysis Campus visit of DBSKKV Visit to small scale agri products processing units (cashews, fruit preserves etc)	14/02/25 to 17/02/25	O5	12	17
16	Veermata Jijabai Bhosale Botanical Udyan and Zoo, Byculla, Mumbai	Commemorative visit on account of World Wildlife Day, where students got to witness and grasp various animals, birds, reptiles; their behaviour in a naturalised setting	03/03/25	08	54	62
VI		Zoology			2-77	
17	Butterfly visit college campus	Students get knowledge about the butterfly diversity in the college campus.	24/09/2024	1	13	14

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10	Dhanes Jl Jl:£.	Vioit to Dorme: Ni-Lt	04.10	_	10	00
18	Phansad wildlife Sanctuary	Visit to Devrai, Night trail, Photography sessions, Trails in the sanctuary	04-10- 2024 to 06-10-2024	9	13	22
19	Trail for bird visit at campus	Students learnt the diversity of birds, identification, and statistical aspects.	22/01/2025	5	19	24
20	Study tour at Dapoli	Visit to animal husbandry, Visit to Harne bandar, Bird trail KKV campus, Visit to Forestry department, Visit to Murud beach, Visit to Asud Baug, Visit to Anjarle	27/01/2025	8	19	27
21	Study tour at Gujarat	Visit to Gir national park, Visit to Narara, Visit to Rann of Kutch- Wildlife sanctuary (LRK), Visit to Dwarka Temple, Khijadiya-bird sanctuary, Visit to Somnath temple	05/02/2025	5	15	20
22	Study tour at Veermata Jijabai Bhosale Botanical Udyan and Zoo, Byculla, Mumbai.	Students celebrated the World's Wildlife Day in the zoo and learnt about various animals and their behavior.	03/03/2025	15	80	95
23	Fish market visit in Thane	Students visited many species of fish and the marketing skills in the fish market.	05/03/2025	2	28	30
VII		Human Science & Clini	ical Psycholo	gy		
24	Industrial visit at Parle factory - Ambarnath B. Sc. students	Students observed the process of baking, packaging as well as learnt about administration work.	04/09/2024	3	16	19
25	Bank visit - S.Y. B.Sc.	TJSB bank visit- functioning of a bank and administration	19/09/2024	0	8	08
26	Biodiversity visit for B. Sc. students	Sanjay Gandhi National Park- they observed various species of invertebrates, some species of monkeys.	21/09/2024	10	42	52

27	Special School visit - S.Y. B.Sc.	Anand Dighe School visit- Students observed teaching-learning methods used for special needs students.	24/09/2024	0	13	13
28	Butterfly visit - F.Y.B.Sc.	V.P.M. Campus- observed 42 types of butterfly species.	24/09/2024	5	19	24
29	Exhibition S.Y. B.Sc.	Indus-valley exhibition at VPM Campus. Students learn still-model of water management system in Dholavira and town planning, attire and ornaments of dancing girl.	13/01/2025	O	10	10
30	Study tour- Nashik, Saputara. F.Y. S.Y.B.Sc.	Vani temple, Ramkunda Step garden, Rose garden Sahyadri farms, Adventurous activities	23/01/2025- 25/01/2025	05	21	26
31	Pune excursion for M.Sc	Visit to Schizophrenia Awareness Association Maharashtra Institute of Mental Health, Muktangan, Kelkar Museum	07/02/2025 To 08/02/2025	3	6	9
32	Study tour at Gujarat	Visit to Gir national park, Visit to Narara, · Visit to Rann of Kutch- Wildlife sanctuary (LRK), Visit to Dwarka Temple, Khijadiya bird sanctuary, Visit to Somnath temple	05/02/2025 to 11/02/2025	02	08	10
33	Study Visit for ornithology course	Visit to Chanakya point at Seawoods- Darave	21/02/2025	30	46	76
34	The Yoga Institute visit	Experiential learning of yoga, Various courses run by the institute	18/03/2025	0	4	4
35	Museum visit F.Y. B.Sc.	Chatrapati Shivaji Maharaj Vastu Sangrahalaya	25/03/2025	04	16	20

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$\ \, \ \, \ \, \ \,$ Certificate Courses offered by the college

Sr.		Sr.	
No.	Title of Certificate Course	No.	Title of Certificate Course
	Basic Calculus using GeoGebra		Basic Course in Law for students of Faculty of
1	(Revised)	20	Science
	Computer Skills (Revised)		
2		21	The Central Public Administrative System
	Quick Calculations in Mathematics		apon P ' I II
3	(Revised)	22	SPSS Basic Level I
4	Calligraphy	23	Artificial Neural Networks
	Intellectual Property Rights- For		Dealing Insurance and Order Press de
5	Beginners	24	Banking Insurance and Cyber Frauds
6	Fish dishes	25	Basic English Learning
7	Introduction to Forensic Science	26	Management for Beginners
8	Introduction to Ornithology	27	Basic Excel
	Post Graduate Programme in Clinical		
	Studies, Data Management & Medical		Solid Wests Management
9	Writing	28	Solid Waste Management
10	Basics of C++	29	Fruit Preserves and Beverages: A Skill Development Course
11	Big Data Analysis	30	Basics of R Software
12	Next Generation Databases	31	Python Level I
13	Artificial Intelligence	32	Instrumentation & Preparation of Standard Solutions
14	Virtualization	33	Techniques in Molecular Biology (Level-I)
15	Machine Learning	34	Techniques in Molecular Biology (Level-II)
16	Economics for Beginners: The Basics	35	Certificate Course in Computer Skills
	The Beginners Introduction to		
32	Principles of	12000	
17	Marketing	36	Introduction to Astronomy and Astrophysics
18	Certificate Course in Creative Writing	37	Food Adulteration and Quality Management
7,7000	Mocktails from Nature's Basket	Veneral C	Research Scholar Programme
19	MOCKTAIIS ITOIII NATUTE S BASKET	38	Research scholar Programme

Scholarships and Other Grants Approached: Scholarships and other grants approached were as follows -

No.	Scholarship/ Agency	Amount (Rs)		
1	JGC-Autonomy Grant	44,00,000/-		
2	Mumbai University Book bank scheme	1,00,800/_		
3 8	Scholarship from University of Mumbai	586914/-		
Tota	1	50,87,714/-		

Sponsorship received during the year:

Sr. No.	Committee/ Department	Amount in Rs.
1	Cultural -Aakanksha Fest (By 15 different Agencies)	79,500/-
2	Statistics Fest (Private Agency) Parashar Healing Orthopedic Center, Malad	20,000/-
3	Statistics Fest (Private Agency) Bhara	
4	Mazi Vasundhara by Thane Mahanagar Palika	1,02,000/-
5	Physics Carnival (Lions Club)	5000/-
6	Physics Carnival (Body Sculpt)	2000/-
7	Physics Carnival (Nitin Farkade)	2000/-
8	Zoomagica (Rotary Club)	28,700/-
9	Swatva - Rotary Club of Thane Members	10,000/-
10	Swatva - Eppendorf Company	25,000/-
11	Received donation from Sapana Caterers	7000/-
12	Received donation from Kaur Enterprises	10,000/-
	TOTAL	2,93,400/-

Superannuation of Staff

- Mrs. Sunita Dhakane (Vice Principal Junior College), Superannuated on 30/09/2024
- Mr. Anil Athawale (Junior College Dept. of Hindi & EVS) Superannuated on 31/05/2024
- Mrs. Sandhya Pawale (Vice Principal Junior College) Superannuated on 31/01/2025

Prof. Dr. Vinda Manjramkar I/C Principal

Vidya Prasarak Mandal, Thane Managing Committee 2024-25



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



Junior College Section has been awarded 'A+ Grade' (91%) from SQAAF

The college is recipient of 13 Prestigious Awards

- Cash Prizes (₹ 1,02,000/- & ₹ 2,00,000/-) in Mazi Vasundhara and Mazi Shala-Sundar Shala Contest organized by TMC
- India Elites Education & Institutional Excellence Awards (03)
- Star Education Award 2024
- Winner in Beach Cleaning Drive
- Appreciation Certificate by Thane Municipal Corporation for making TB Campaign by Flash Mob
- Appreciation Certificate by FDA,
 BOBCARD, SAKSHI, RFN-E-Sports,
 TMC-Vrikshavalli

Professor Dr. Vinda Manjramkar Incharge Principal, Head, Dept. of Zoology

Recipient of 'International Woman's Day Achievement Award' 'ROVEX Award' by Rotary Club, Thane Appreciation Award by FDA & RFN Esports



Mr. Abhijeet Kale
Vice Principal
(Degree Unaided Secion)

Our Administration



Mrs. Priti Jambhulkar Vice Principal (Junior College)



Mr. Balaji GhugeSupervisor
(Junior College)



Mr. Chetan Moynak Office Supretendent



Mr. S.D. Choudhari Senior Clerk Gunijan Purskar 2024

Superannuation of Staff



Mrs. Sunita Dhakane Vice Principal (Junior College) Superannuated on 30/09/2024



Mr. Anil Athawale (Junior College) Dept. of Hindi & EVS Superannuated on 31/05/2024



Mrs. Sandhya Pawale Vice Principal (Junior College) Superannuated on 31/01/2025



Prof. Anita Goswami Head Dept. of Chemistry 2 Patents Granted



Mrs. Kadambari Manjrekar (Librarian) Best Paper Award CAS Promotion to Asso. Prof.



Dr. Ajit Bhumkar Dept. of ChemistryCAS Promotion to Asso.
Prof.



Mrs. Uma Patne
Dept. of Mathematics
CAS Promotion to
Stage 3 Asst. Prof.



Dr. Urmila Kumavat Gunijan Purskar 2024



Ms. Asba Ansari 1 Patent Published Dept of EVS / BWCM



Mr. Aditya Mhatre 1 Patent Published PET Qualified 2024 Dept of EVS / BWCM



Ms. Saloni Sheth 1 Patent Published Dept of EVS / BWCM



Ms. Komal Gaikwad Alumni 1 Patent Published Dept of EVS / BWCM



Mr. Jaidip Wable 1 Patent Granted Dept of Chemistry

Ph.D Awarded to Staff & Students



Dr. Bhalchandra Mandlekar Asso. Professor Ph.D. in Physics



Dr. Tukaram Navghare Asst. Professor Ph.D. in Statistics



Dr. Jui Pimple Asst. Professor Ph.D. in Psychology



Dr. Chetana Shetty Ph.D.in Botany Guided by Prof. Dr. M. Saha



Mr. Chinmay Khanolkar Ph.D. in Zoology Guided by Dr. Pejaver



Mr. Ramchandra Shinde **Awarded LLB**



Ms. Ashwini Sawant **Completed Diploma** in School Management



Ms. Pooja Kanse Completed B.Ed



Ms. Shradha Pagare **Project Guide**



Ms. Siya Patil



Ms. Shravani Ghatkar Awardee of विज्ञान संशोधन पुरस्कार

Formulation and Characterization of Edible packaging material from fruit peels AVISHKAR Zonal Round Winner Projects



Ms. Mrunal Lad



Ms. Anjali Ray



Ms. Arnisha More

Exploring The Bioremediation Potential Of Chromium-Tolerant Bacteria

AVISHKAR Zonal Round Winner Projects



Ms. Varsha Dubey



Dr. Ashwini Tilak **Project Guide**



Ms. Shambhavi Chavan **First Prize** National - Magical Mangroves Campaign WWF, India - Godrej & Boyce



Mr. Harsh Tiwari



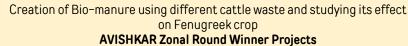
Ms. Aaryushi Singh



Mr. Ankit **Pandey**



Ms. Sakshi Dandekar **MH-SET Qualified Project Guide**





Dr. Sandeep Kahandal **Project Guide**



Ms. Ruchita Magar

The development of banana peel/corn starch bioplastic film Avishkar Zonal Round Winner Project



Ms. Manasi Raghuram



Ms. Urja Bhatia



Dr. Jui Pimple **Project Guide**

Role of Fear of negative evaluation on Social Anxiety Behaviour & Supervisory Abuse and Psychological Wellbeing among Resident **Doctors AVISHKAR Zonal Round Winner Projects**



Dr. Tukaram Navghare **Project Guide**



Ms. Anuja Shirke



Mr. Rohit Bhor

Predictive Modeling for Crop Yields: Trends and Insights Avishkar Zonal Round Winner Project

Student Achievers



Mr. Hemanshu Ganekar FYJC Topper 94.00%



Ms. Ashika Shetty SYJC Topper 91.17%



Ms. Sneha Rajendra Shinde



Ms. Shaikh Shaziya **Tasneem**



Ms. Khan Neha Rayees



Ms. Arthi Manohar **Project Guide**

Ointment Formulation using Collagen extracted from Egg Shell

AVISHKAR Zonal Round Winner Projects



Shreya Rajesh Rumde 2nd prize social media post making



Shruti Shirsat 2nd Runner Up



Mr. Shravan Bhosle Third Prize in Elocution



Ms. Yagya Bhandari Second Prize in Creative Quick Heal Best Secretary Competition - UDAAN Festival Writing - UDAAN Festival



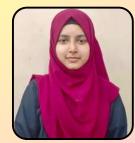
First Prize Zonal - Indian Classical Dance in Youth Festival



Ms. Pooja Kumavat First Prize-Oral presentation



Mr. Sachin Deshpande Third Prize-**Oral presentation**



Ms. Namra Shaikh



Ms. Aisha Sayyed First Prize-Poster Presentation



Ms. Mehvish Ansari

National conference on Clean Creek Movement organized by University of Mumbai and Paryavaran Dakshata Mandal

Our Future Leaders



SUO Sarthak Choramale



SUO Akshat Dhonde



JUO Atharva Pawar



JUO Shubham Date



CDT Abhay Yadav NCC Secretary



CDT Praful Chinchanekar NCC Joint Secretary



Mr. Soham Waghmare Cultural Joint Secretary



Mr. Shreyas Shinde General Secretary, Cultural Secretary



Mr. Sahil PatilCultural Joint Secretary



Ms. Roshani Vanare IT/CS Representative



Ms. Srushti Pawar NSS Secretary



Mr. Saikat Pramanik NSS Joint Secretary



Ms. Preksha Parab NSS Joint Secretary



Mr. Damodar Malvankar Magazine Secretary



Mr. Haris Kazi Magazine Joint Secretary



Mr. Aditya Sarang Gymkhana Secretary



Mr. Vipul ShindeGymkhana Joint Secretary



Ms. Neha Pawar Gymkhana Joint Secretary



Ms. Diya Rawal Lady Representative



Ms. Siya patilDLLE Student Manager



Mr. Advait RawoolDLLE Student Manager



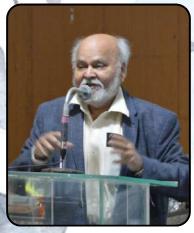
Ms. Janhavi PatilDLLE Student Manager



Ms. Sanskriti Mourya DLLE Student Manager



Ms. Aamina Kagazi DLLE Student Manager



Inaugural Address by Dr. Vijay Bedekar



Guest of Honour Mr. Sanjay Kelkar



Chief Convenor Prof. Manjramkar



Valedictory Address by Mrs. Manisha Pradhan



Convenor Prof. V. M. Jamdhade



Feliciataion of Shri Kayal (VPM Member)



Oral Presentation Session chaired by Dr. Mandalekar & Prof. Goswami



Treasurer Dr. Jayashri Jagtap



Lecture by Mr. Abhijeet Kale in 2nd Preconference Workshop



Organizing Secretary Dr. Urmila Kumavat



Jt. Organizing Secretary Dr. Swarupa Agnihotri



Guest Lecture by Mr. Hemant Karkhanis in 1st Preconference Workshop



Jt. Organizing Secretary Mr. Rahul Ozare



Inauguration by Dr. Vijay Bedekar, Shri Kayal & Mr. Rohit Joshi



Online Keynote Address by Padmabhushan Dr. Gadgil



Poster Presentation Inauguration by Prof. Kengar & Prof. Ragade



Invited Talk by Dr. Ajit Gokhale on 'Water Solutions'



Invited Talk by Mr. Daptardar on 'Turtle Conservation'



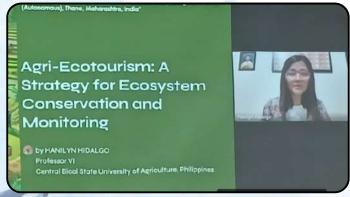
Guest Speaker Dr. Chavan & I/C Principal Prof. Manjramkar



Dr. Mahesh Bedekar



Invited Talk by Dr. Ghanashamani 'Medical Waste Management'



Online Talk by Dr. Hidalgo on 'Ecotourism' Philippines



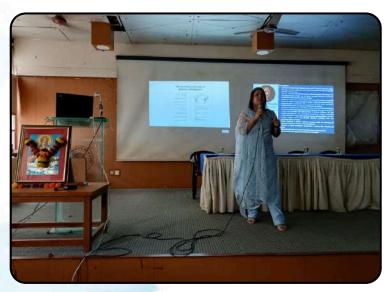
Valedictory Guest Mrs. Manisha Pradhan TMC















FUTECH 24 Conference

Report on National Conference: FUTECH-24

VPM's B.N. Bandodkar College of Science (Autonomous), Thane, hosted two major events under the aegis "FUTECH24": a Pre-Conference on 6th January 2024 and a National Conference on 20th July 2024. Both events were led by the Department of Information Technology (IT), Computer Science (CS), and Data Science. The main purpose was to fill the gap between academia and new technology by offering an interdisciplinary platform for students, academics, and industry professionals to investigate innovations, exchange information, and discuss practical implementations of state-of-the-art technology. The goals of such events were diversified. They looked to encourage interactions and enhance the knowledge of new technologies and innovations among attendees. The events further looked to provide a platform for students, instructors, and professionals from the industry to interact and share ideas. Another major intention was to show the real-world applications of next-generation technologies like IoT, AI, Business Intelligence, and nanotechnology so that the attendees derive practical insights.

The Pre-Conference was conducted off-campus at Patanjali Auditorium, Bandodkar College, Thane. It registered active participation of faculty, staff, and students with a turnout of 75 people, 10 of them being faculty and 65 of them being students.

The session included student speakers from the B.Sc. (IT/CS) streams, including Mr. Damodar Malvankar, Ms. Mayuri Bansode, and Ms. Hajra Shaikh, to name a few. These speakers presented stimulating talks on a range of subjects including Genetic Engineering, Wearable Devices, Smart Cities, IoT, AI, and Robotics. The take-home messages of the sessions varied and were informative.

In Session 01, learners investigated technologies based on Genetic Engineering, including Artificial Neural Networks. Session 02 investigated Wearable Devices, exploring their applications and subtopics through discussion sessions. Session 03 addressed Smart Cities, focusing on their implementation worldwide and effects. Session 04 offered insights into IoT, focusing on its application in day-to-day life. Session 05 discussed the increasing use of AI in core software and how it is increasingly being adopted in various industries. Session 06 concluded with practical demonstrations of applications of Robotics, providing a real-life learning experience. The National Conference, also conducted offline at the Patanjali Auditorium, was well attended, with 159 people, including 9 faculty and 150 students. The conference was blessed by guests of honour, with the Chief Guest being Dr. RajendraKumar Kulkarni, retired Scientific Officer of BARC.

Experts in industry were invited as resource persons who shared their insights and knowledge. They included Dr. Nitin S. Kale, Co-founder & CTO of NanoSniff Technologies Pvt. Ltd. at IIT Bombay; Mr. Yogesh Borhade, Technical Program Manager of Freespace by Workplace Fabric; Miss Gretta Almeida, Assistant Vice President, Bank of America; Mr. Anthony Dsouza, Technical Architect; and Mr. Yogesh Valunjkar, Director, DNS Bank Ltd. and CEO, KGreen Consulting & Technologies Pvt. Ltd. The sessions were diverse in nature with a lot of advanced topics.

Session 01 introduced the participants to nanotechnology applications such as the NanoSniffer (an Explosive Trace Detector) and Micro-Electro-Mechanical-System (MEMS) devices.



Session 02 discussed the use of IoT in the Real Estate sector, its ecosystem, and practical applications, with case studies. Session 03 covered Business Intelligence (BI) in detail, its significance, architecture, tools, categories, future role, and applications. Session 04 was on Low Code/No Code platforms, discussing their uses, major features, top platforms, and market trends. Session 05 introduced a novel technology for Data Security beyond encryption, known as Kite Data Vault (K-vault) software. The FUTECH24 Pre-Conference and National Conference were able to reach their goals successfully through the dynamic sharing of ideas among students, academics, and business leaders. The Pre-Conference focused on peer learning and core subjects, while the National Conference exposed participants to enhanced coverage of cutting-edge technologies under expert tutelage. Combined, these conferences served as a testament to the institution's dedication to empowering learners with real-world, future-oriented skills and knowledge. Coordinator: Mr. Abhijeet A. Kale (In-Charge, Department of IT and CS)

Mr. Abhijeet kale Head, Department of IT & CS



Lecture by Mr Yogesh Burhade

National Conference on

Ecopulse: Monitoring Beats of Ecosystem

The "Eco Pulse: Monitoring Beats of Ecosystem-2025 conference, organized by the Department of Botany, Vidya Prasarak Mandal's B. N. Bandodkar College of Science (Autonomous), Thane, on 14 and 15 February 2025 was a grand success. This conference was conceptualized under the guidance of Prof. Vinda Manjramkar, In-Charge Principal, and meticulously planned by Prof.V.M.Jamdhade, Dr. Urmila Kumavat and the organizing team.

The conference aimed to bring together researchers, academicians, and environmental enthusiasts to discuss various pressing ecological issues. The theme "Eco Pulse: Monitoring Beats of Ecosystem" was finalized after extensive discussions and scrutiny of various titles and sub-themes. The conference attracted participation from across the country, with a diverse range of presentations and expert talks that provided valuable insights into environmental sustainability and conservation.

Planning and Preparations

The planning phase of the conference began after a discussion with the Honourable Dr. Mahesh Bedekar, Trustee of Vidya Prasarak Mandal, Thane. His enthusiasm and extensive contributions towards environmental conservation added great value to our efforts. Dr. Bedekar not only encouraged our initiatives but also recommended some of the top experts in the field as invited speakers.

Under the leadership of Prof. Vinda Manjramkar every aspect of the conference, from pre-conference workshops to final execution, was meticulously planned. Several faculty members, advisory board members and local organizing committee members played a crucial role in ensuring the success of the event.

The conference featured a dynamic mix of plenary sessions, keynote addresses, oral presentations and panel discussions that covered a wide range of topics, including climate change adaptation, biodiversity conservation, sustainable resource management, and emerging ecological threats. The interactive sessions encouraged meaningful dialogue between students, scholars and industry professionals, fostering interdisciplinary collaborations for future research endeavours. Additionally, a special exhibition showcasing eco-friendly innovations and sustainable practices attracted significant attention, inspiring participants to implement green initiatives in their respective fields. The overwhelming engagement and positive feedback from attendees reaffirmed the importance of such academic platforms in addressing environmental challenges and shaping a more sustainable future.

Two Preparatory Workshops: First November 28, 2024 and Second 25th January 2025

As a preparatory phase of the conference, the Department of Botany organized two insightful workshops aimed at enhancing research and presentation skills. These workshops focused on literature search strategies, data collection methods, research tools, effective presentation techniques and poster designing skills to equip participants with essential academic competencies. Renowned experts Dr. Bhalchandra Mandlekar, Dr. Hemant Karkhanis, Prof. Abhijeet Kale, Dr. Ashwini Tilak and Ms. Purvi Shah guided the sessions, providing valuable insights into research methodology and scientific communication.

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Their expertise helped students, researchers and faculty members refine their approaches to academic writing and data interpretation. The interactive sessions allowed participants to gain hands-on experience in structuring research papers, citing sources and delivering impactful presentations. These preparatory workshops played a crucial role in ensuring high-quality presentations at the conference. We extend our heartfelt gratitude to the esteemed speakers for their time, knowledge, and dedication in making these workshops a great success. More than 250 participants attended the workshop.

Patanjali Auditorium Enhancement & Cleanliness Drive

Ahead of the conference, a dedicated cleanliness drive was conducted by NSS volunteers under the guidance of Ms. Sayali Daptardar, ensuring a spotless and welcoming environment. Simultaneously, the Patanjali Auditorium saw significant upgrades, led by Vice Principal Prof. Abhijeet Kale and his team, enhancing its infrastructure for a professional and refined ambience. These collective efforts exemplified teamwork and commitment, setting the stage for a successful event.

Inauguration Ceremony

The Eco Pulse: Monitoring Beats of Ecosystem-2025 conference commenced with a grand inauguration ceremony, brimming with enthusiasm and the presence of esteemed dignitaries. The event was graced by Honorable Sanjay Kelkar, MLA, Thane, as the Chief Guest, who emphasized the critical role of environmental conservation and the initiatives undertaken by the government to combat ecological challenges. Honorable Dr. Vijay Bedekar, Chairman, Vidya Prasarak Mandal, Thane, delivered an insightful address on the significance of sustainability, urging academic institutions to take a proactive role in ecological preservation. The presence of Honourable Shri Jayant Kayal, Trustee, V.P.M Thane, along with Prof. Vinda Manjramkar, Prof. V. M. Jamdhade and Dr. Urmila Kumavat added immense value to the occasion, setting an inspiring tone for the conference proceedings.

The ceremony began with the traditional lighting of the lamp, symbolizing the pursuit of knowledge and enlightenment. The dignitaries shared their perspectives on the urgent need for environmental awareness, conservation strategies and academic contributions to sustainable development. A keynote address by distinguished environmentalist Padmabhushan Dr. Madhav Gadgil provided an in-depth analysis of the current ecological scenario, emphasizing the pressing need for innovative solutions, interdisciplinary research and collaborative efforts to mitigate environmental degradation. The audience was captivated by the discussions, which highlighted cutting-edge research, policy implementation and community engagement as key pillars of ecological sustainability. The inaugural session not only set the stage for meaningful deliberations but also reinforced the conference's mission to drive impactful change in environmental conservation.

Attendance of the Conference

The conference witnessed enthusiastic participation, with 192 registered attendees from various institutions across India, including students, researchers and faculty members. A total of 42 oral presentations were delivered by postgraduate students, Ph.D. scholars and faculty members, showcasing innovative research in ecological studies. Additionally, 54 poster presentations provided a platform for emerging researchers to share their findings in a visually engaging manner.

The event was further enriched by six distinguished invited talks by experts in environmental science, offering deep insights into pressing ecological issues. Interactive sessions encouraged fruitful discussions, fostering academic networking and future collaborations. The diverse range of presentations and expert insights made the conference a significant knowledge-sharing platform in the field of environmental sustainability.

The Invited Talk

The invited speakers for Eco Pulse: Monitoring Beats of Ecosystem-2025 were thoughtfully recommended by Dr. Mahesh Bedekar, Trustee, V.P.M Thane, whose deep commitment to environmental conservation played a pivotal role in shaping the conference. His keen insight ensured that the event featured renowned experts, researchers and conservationists who have made significant contributions to ecological sustainability. Each speaker brought invaluable knowledge and ground-breaking research to the discussions, covering critical aspects of biodiversity, climate resilience, and sustainable development. Dr. Bedekar's vision was instrumental in curating an enriching line-up that inspired participants toward action-oriented environmental solutions. His dedication to fostering academic excellence and ecological awareness made the conference a truly impactful gathering.

Padmabhushan Dr. Madhav Gadgil- Topic: "Landslides and Environmental Degradation in the Western Ghats"-Dr. Gadgil discussed the devastating impact of unplanned development, mining and deforestation, stressing the urgent need for sustainable policies. He elaborated on the fragile ecosystem of the Western Ghats, emphasizing its role in biodiversity conservation and climate regulation. He also highlighted the importance of traditional ecological knowledge in mitigating environmental disasters. His talk concluded with a call for stronger policy enforcement and community participation to prevent further degradation.

Dr. Lata Ghanshamnani (Founder, RNisarg Foundation)- Topic: "Sustainable Urban Development".Dr. Ghanshamnani highlighted eco-friendly initiatives such as the Sakhi Program for sustainable menstrual practices and the Prarambh Zero-Waste Management initiative. She emphasized the importance of waste segregation, composting, and plastic-free alternatives in urban settings. She also discussed the role of corporate social responsibility (CSR) and policy frameworks in promoting sustainability. Her talk inspired institutions and individuals to adopt greener lifestyles and advocate for sustainable city planning.

Dr. Utkarsha Chavan- Topic: "Mugger Crocodiles of Savitri River, Mahad".Dr. Chavan shared insights from her research on the adaptation of IUCN Red-Listed Mugger Crocodiles in human-dominated landscapes. She explained how habitat loss, water pollution and human-wildlife conflicts threaten their survival. Her findings underscored the need for scientific monitoring and conservation education to ensure coexistence. She also highlighted traditional local beliefs and conservation ethics that can aid in protecting these reptiles.

Mr. Nagesh Daptardar-Topic: "Community-Led Turtle Conservation in Sindhudurg" Mr. Daptardar explained community-driven conservation efforts and the importance of turtle-friendly fishing practices.

He presented case studies on nesting site protection and hatchling release programs, showcasing their impact on turtle populations. He also emphasized the role of local fisher folk in safeguarding marine biodiversity. His session encouraged active participation from coastal communities and NGOs in conservation programs.

Prof. Hanilyn (Philippines, Online Lecture)-Topic: "Meliponitourism: A New Eco-Friendly Trend in Agro tourism"-Hanilyn discussed the role of stingless bees in promoting sustainable honey production and environmental conservation. She explained how Meliponitourism creates economic opportunities for farmers while enhancing pollination services for biodiversity. She highlighted successful agrotourism models from Southeast Asia, emphasizing their potential for rural development. Her talk encouraged participants to explore eco-friendly tourism initiatives in their regions.

Dr. Ajit Gokhale-Topic: "Their Burden on Our Shoulders"-Dr. Gokhale focused on river pollution and the principle of "Polluter Pays" as a collective responsibility to clean and protect water bodies. He provided insights into industrial discharge, agricultural runoff and urban sewage as major pollutants. He also discussed innovative bioremediation techniques and community-driven river restoration projects. His lecture urged authorities and citizens to adopt stringent waste management practices and sustainable water usage policies.

Jury members

The success of Eco Pulse: Monitoring Beats of Ecosystem-2025 was greatly enhanced by the eminent jury members, session chairs and judges, who ensured the smooth conduct of all presentations. We extend our heartfelt gratitude to Prof. Ajit Kengar and Prof. Vinod Ragde Kelkar (Vaze College, Mulund, Mumbai), Dr. Sangita Meshram and Dr. Prahlad Wagh for their insightful evaluation and expert guidance. The conference sessions were efficiently chaired and reported by Prof. Anita Goswami Giri, Dr. Bhalchandra Mandlekar, Dr. Laxman Rathod, Dr. Kiran Pariya, Dr. Sandeep Kahandal and Dr. Ramesh Baviskar, whose meticulous efforts ensured fairness and high academic standards. Their expertise played a crucial role in evaluating 42 oral presentations and 54 poster presentations, recognizing outstanding research contributions. Their dedication and keen observations provided valuable feedback to participants, fostering an engaging and intellectually stimulating environment. We sincerely appreciate their time, expertise and commitment to making this event a grand success.

The Backbone of a Successful Conference

A special mention goes to Dr. Urmila Kumavat for her meticulous planning and unwavering dedication, which played a pivotal role in the seamless execution of Eco Pulse-2025. Her leadership and strategic coordination ensured that every aspect of the conference was executed with precision. Working alongside her, Dr. Swarupa Aghnohotri, Mr. Rahul Ozare, and Dr. Jayshri Jagtap contributed significantly to the event's success through their expertise and commitment. Their collective efforts ensured that the conference maintained its high academic and organizational standards.

The grand success of Eco Pulse: Monitoring Beats of Ecosystem-2025 was made possible by the tireless efforts and exceptional teamwork of the Organizing Committee and dedicated volunteers. Each team member played a crucial role in ensuring execution, from registration, feedback collection and reception arrangements to technical support, poster presentations, oral sessions, press notes and kit distribution. We extend our heartfelt gratitude to Prof. Anita Goswami-Giri, Ms. Minal Wankhede, Dr. Bhalchandra Mandlekar, Mr. Sudhir Bhosale, Dr. Sangita Meshram, Dr. Kiran Pariya, Ms. Kadambari Manjrekar, Ms. Umalaxmi Patne, Dr. Akanksha Shinde, Dr. Ajit Bhumkar, Dr. Sandeep Kahandal, Dr. Prahlad Wagh, Dr. Ujjawala Gokhe, Mr. Abhijeet Kale, Capt. Bipin Dhumale, Dr. Kalpita Mulye, Dr. Jayshree Pawar, Ms. Mohini Kulkarni, Mr. Chetan Moyank and Ms. Sayali Daptardar for their meticulous planning and flawless coordination of every session. A special appreciation goes to our beloved SY and TY Botany Major Students, whose unwavering support and dedication contributed immensely to this mega event. We also acknowledge the hard work of our non-teaching staff, including Mr. Avinash Burange, Mr. Vikas Rasam, Mr. Rajendra Ambhore and Mr. Sudhir Raut, whose behind-thescenes efforts ensured smooth operations. Lastly, we express our deepest gratitude to the enthusiastic students of the Botany Department, whose commitment and enthusiasm made this conference truly memorable.

On February 15, 2025, Dr. Mahesh Bedekar visited and engaged with the participants, guests, and jury members. His interaction followed an overwhelmingly positive response and feedback from external members, demonstrating the excellent organization of the conference. The event was meticulously arranged by the conference organizers and the student participants, akin to the systematic approach. Dr. Bedekar concluded the session by extending his best wishes to all participants, inspiring them for their future endeavors.

Heartfelt Gratitude to Our Sponsors and Supporters

We extend our sincere thanks to all our sponsors, including the Lions Club, Thane Municipal Corporation Pollution Control Department and Mrs. Manisha Pradhan, for their valuable support. Special appreciation goes to Prof. Anita Goswami Giri, Dr. Bhalchandra Mandlekar, Prof. Sudhir Bhosale and Mr. Munna Bhai Bist (Ex-Corporator, TMC, Thane), Nehru Yuva Kendra, Thane District for their generosity and commitment. Their contributions have been instrumental in making this event a success.

Grand Valedictory Function and Award Ceremony

The Valedictory Function of Eco Pulse-2025 was graced by Mrs. Manisha Pradhan, Chief Environment Officer, Thane Municipal Corporation (TMC), as the Chief Guest. In her inspiring address, she elaborated on TMC's on-going environmental initiatives, drawing parallels with the Eco Pulse conference and emphasizing the importance of community-driven sustainability efforts. She commended the organizers for fostering a platform for knowledge exchange and research in ecological conservation.

The award ceremony was a moment of pride, recognizing exceptional contributions in oral and poster presentations. The Best Oral Presentation Award was secured by Ms. Pallavi Koyande (G.N. Khalsa College, Mumbai), followed by Mr. Suketu Das (B.N. Bandodkar College of Science, Thane) in second place, and Ms. Ruchita Magar (B.N. Bandodkar College of Science, Thane) in third place.

A consolation prize was awarded to Ms. Shalini Pandey (B.N. Bandodkar College, Thane). In the Poster Presentation Category, Ms. Siya Patil won first place, while Janvi Yadav and Yashvi Singh secured second place.

The third prize was awarded to Shefali Sawant and Kirti Nautiyal, with consolation prizes going to Ms. Sonam Mishra and Ashish Yadav, as well as Shreya Tambe and Soha Joshi. The event concluded on a high note, celebrating the efforts of young researchers and fostering a renewed commitment to environmental conservation.

Insightful Feedback on Eco Pulse-2025

Ms. Anushree Chaudhari from Central University, Kerala, praised Eco Pulse-2025 as an exceptional platform for research and collaboration. She highlighted the insightful invited talks, well-organized sessions and enriching discussions, which provided valuable learning opportunities. She also appreciated the seamless organization and excellent hospitality.

Ms. Soha Joshi from B. N. Bandodkar College of Science, Thane, commended the structured sessions, engaging presentations and impactful workshops. She found the conference inspiring and well-executed, offering young researchers a great opportunity to showcase their work. She thanked the organizers for a memorable and knowledge-enriching experience.

Jury Members' Feedback

The jury members and session chairs praised the high academic quality of presentations and the diverse range of research topics. Prof. Ajit Kengar and Prof. Vinod Ragde from Kelkar Vaze College, Mumbai, lauded the students' enthusiasm and scientific rigour in both oral and poster presentations. Dr. Sangita Meshram, Dr. Prahlad Wagh, Dr. Laxman Rathod and Dr. Ramesh Baviskar commended the structured format and smooth coordination of all sessions. Dr. Bhalchandra Mandlekar, Prof. Anita Goswami-Giri, Mr. Nagesh Daptardar and Mr. Rohit Joshi appreciated the well-organized event, fair evaluation process and active student participation. The advisory and technical committees were applauded for ensuring seamless execution, making the event a benchmark for future academic conferences.

Grand Conclusion with Rashtragan & Vote of Thanks

The Eco Pulse-2025 conference concluded on a deeply patriotic and heartfelt note with the rendition of the Rashtragan, symbolizing unity, commitment and a shared vision for a sustainable future. The atmosphere was filled with pride as participants, organizers and dignitaries stood together in reverence, marking the successful culmination of this mega-event.

The Vote of Thanks was delivered by the Organizing Secretary, Dr. Urmila Kumavat, whose meticulous planning and unwavering dedication were instrumental in making the conference a grand success. She extended her gratitude to the dignitaries, invited speakers, jury members, session chairs, organizing committee members, faculty, students and the non-teaching staff, whose collective efforts ensured the seamless execution of every session. A special acknowledgement was given to the student volunteers, whose enthusiasm and dedication added to the event's vibrancy. Dr. Kumavat expressed her appreciation for the Vidya Prasarak Mandal's unwavering support, as well as the collaborators and sponsors who contributed to the event's success.

As the curtains closed on Eco Pulse-2025, the spirit of scientific inquiry, environmental consciousness and academic excellence remained ignited, inspiring future endeavours in ecological conservation and research.

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Output of the Conference

The overwhelming engagement and positive feedback from attendees reaffirmed the importance of such academic platforms in addressing environmental challenges and shaping a more sustainable future. The conference successfully fostered interdisciplinary collaborations, inspired innovative research and provided a crucial platform for discussions on ecological conservation.

We extend our heartfelt gratitude to all participants, speakers and organizers for their contributions in making Eco Pulse: Monitoring Beats of Ecosystem-2025 a resounding success.

> Prof. V.M. Jamdhade Convenor, Ecopulse-2025

Report on Second Pre-conference Workshop of National Conference

The second pre conference workshop of National Conference titled Ecopulse: Monitoring Beats of Ecosystem was organized by the Department of Botany on 25th January 2025 from 11.30 am to 2.00 pm. This workshop received a huge response of 231 students and 13 teaching staff. The programme began with the National Anthem which ignited a sense of patriotism and respect for the country's history, culture and values. It was then to proceed to 'Lighting of lamp' that signifies tribute towards 'Saraswati Mata - The Goddess of Knowledge'.

In this workshop, three guest speakers namely Mr. Abhijeet Kale (Vice Principal -Unaided Section, Incharge Department of IT-CS), Dr. Ashwini Tilak (Asst. Professor, Department of Biotechnology) and Ms. Purvi Shah (Asst. Professor, Department of Biotechnology) presented insightful information on various aspects of data analysis and presentation skills involved in research projects. They were felicitated by the hands of I/C Principal Prof. Dr. Vinda Manjramkar madam and Prof. Dr. V.M.Jamdhade Sir (Convenor and Head, Department of Botany). Later the welcome address was delivered by I/C Principal Manjramkar madam who is also functioning as Chief Convenor of the National Conference. She narrated about 'Vasant Panchami' and its relevance with nature's beauty and ecological conservation. During this festival we prefer to eat a calcium rich diet of young cobs of millet (Hurda of Jawar) to balance the needs of the human body. In her talk she also explained the concept of balance of body and nature by referring to beats of earth which are exhibited in the form of changing seasons of winter and summer. She told about how these beats are altered due to human interference and now it is inviting environmental issues. At the end, She appealed to all students to contribute to the National Conference in the form of research papers by aligning research projects with environmental conservation and sustainability.

After welcome address, the first session was of Mr. Kale Sir where he elaborated on 'Tools used in Research Project Data analysis' Ms. Mrunali Patil (TYBSc Botany) briefly introduced him to the audience. Sir gave an idea about collection of primary data and secondary data and processing of them using reliable tools. He discussed various types of research with suitable examples. He also described about simple tools such as Monkey Survey, Zotero, Endnote, Grammerly-Check and their use in case studies and surveys based projects.

The second session was conducted by Dr. Ashwini Tilak who delivered a thought provoking presentation on 'Data to Display: Crafting impactful scientific poster'. Ms. Afreen Shaikh (SYBSc Botany) introduced Tilak madam. Dr. Tilak shared in-depth knowledge on contents of research project to be included in poster format. She pin pointed every detail regarding sections of research project, viz., Introduction, materials, methods, results, conclusion, references and acknowledgment. Apart from content, she also emphasized on layout of poster with respect to colour combination, font type, word-count and overall appearance of research idea.

The third session was delivered by Ms. Purvi Shah who took further micromanagement of earlier session's content. Ms. Afreen Shaikh (SYBSc Botany) briefly introduced her. Shah madam recommended adding content in different sections bullet-wise. She also emphasized on adding content in form of flow-charts and smartart especially in methodology/ results. She advised the use of tools of MS-PPT, Canva, Adobe to develop eye-catching effects. She mentioned various Do's and Don't s in choosing background, color, contrast ratio, font-size, alignment of content in a slide. She finally gave valuable inputs on poster presentation techniques with respect to body language, dressing sense, time management and communication skills.

All above mentioned sessions were full of novel ideas and thoroughly delivered by Guest Speakers with in-depth knowledge. This workshop was intended to raise the research aptitude and attitude among all budding researchers. The quality content of the workshop lead to develop 'out-of-box' thinking in students which would lead to work on innovative research ideas to provide sustainable solutions.

After these Guest lectures, undergraduate and postgraduate students from different departments presented a few research projects and demonstrated excellent skills of research communication to the audience. The following are the details of presented research projects -

- 1. Exploring the bioremediation potential of chromium tolerant bacteria Ms. Varsha D. Dubey, Dr. Ashwini Tilak and Ms. Purvi Shah (Dept. of Biotechnology)
- 2. Formulation and characterization of edible food packaging from fruit peels Ms. Siya M. Patil, Ms. Shravani Ghatkar and Ms. Shradha Pagare (Dept. Biochemistry)
- 3. Utilization of fruit peel waste for eco-friendly removal of copper and zinc: comparative evaluation of powdered and encapsulated biosorbents Ms. Pooja Kumavat, Ms. Asba Ansari (Dept of Environmental Science)
- 4. Bridging knowledge system: Integrating indigenous and scientific approaches for wild life conservation Ms. Swapnali Korde and Mr. Aditya Mhatre (Dept. of Biodiversity-Wildlife Conservation & Management)

The programme was concluded by Mr. Sudhir Bhosale Sir (Head, Dept of Foundation Course, Member-Advisory Board) who proposed Vote of Thanks. At the end, 'Pasaydan' was recited by Ms. Snehal Bhor (FYBSc Botany).

Prof. Dr. V.M.Jamdhade Convenor, Head Dept of Botany

Report of First preconference workshop of National Conference

Department of Botany of Vidya Prasarak Mandal's B. N. Bandodkar College of Science, (Autonomous) Thane had organized first preconference workshop of National Conference on "Eco Pulse: Monitoring Beats of Ecosystem" on 14th to 15th February 2025 in collaboration with Thane Municipal Corporation, Thane.

Prior to National Conference, Dept. of Botany organized first Preconference Workshop on 28th November 2024. Total 236 students participated in this workshop. Eminent Speaker, Dr. Hemant Karkhanis mesmerized all audience by giving new research ideas and his contribution towards conservation of nature.

Inauguration of the preconference workshop began with offering garland to the goddess the Sarswati. Chief Guest Hon'ble Dr. Hemant Karkhanis (Associate Manager-Godrej Mangroves), Prof. Dr. Vinda Manjramkar (I/C Principal and Chief Convener), Mr. Kale (Vice-Principal, Un-aided Section), Prof. V.M. Jamdhade (Convener and Head Department of Botany) had graced Inauguration Function. In the beginning Prof.Dr. Vinda Manjramkar, welcomed all the delegates and narrated about the conceptualization of preconference workshop and she gave brief talk on environment friendly practices. Later Dr. Urmila Kumavat briefed about the.

Prof. Dr. V. M. Jamdhade explains briefly about the importance of the conference and various themes involved in it. He encouraged students and staff for doing research.

Dr. Mandlekar(Associate professor ,Department of Physics), guided students about how to present research paper in the conference. He gave presentation on the different research ideas which are suitable to conference theme.

Chief Guest Dr. Hemant Karkhanis focused on living a better life by following nature friendly ways such as minimizing use of plastic, pesticides, antibiotics, cosmetics, etc. He guided students regarding how to write research paper. The audience appreciated his presentation which depicted the various photographs. He shared very interesting research topics for research in the field of mangrove conservation.

Dr. Hemant Karkhanis introduced Miss. Shambhavi Chavan, she is our M.Sc Biodiversity Wildlife Conservation and Management Student. She worked with Dr. Karkhanis sir on one research project as part of her curriculum. Her research project is based on finding new varieties of Ants from Mangrove ecosystem. She worked on the study life cycle of Ants. She gave an insightful presentation on her topic.

The day of preconference workshop was ended with the formal vote of thanks. It was given by Mr. Sudhir Bhosale (Head department of Foundation Course).

Prof. Dr. V.M.Jamdhade Convenor, Head Dept of Botany



Inauguration of Workshop - Guest Dr. Dand & Dr. Mali



Speaker: Dr. Hiren Dand BOS IT-DS



Speaker: Dr.B. Krishna BOS Biotechnology



Speaker: Dr. Meena Rao BOS Botany



Speaker: Dr. Jyotshna Dongardive BOS Computer Science

Report of
Workshop for
Subject Teachers
for orienting
towards
NEP 2020
Compliant
Syllabus &
Curriculum



Speaker: Dr. Meenakshi Gurav BOS Zoology



Speaker: Dr. Garge BOS Mathematics



Speaker: Prof. Jain BOS Chemistry



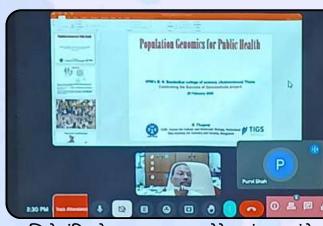
Speaker: Dr Sakpal BOS Physics



Speaker: Dr. Vasant Mali



गमतीशीर खेळांमधून जनुकीय आजार, त्याचे पूर्वनिदान यांचे महत्व सांगणारे विद्यार्थी



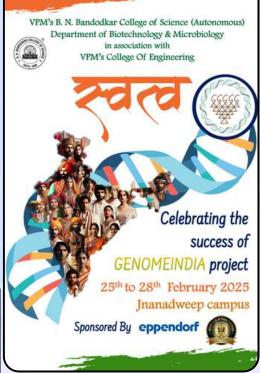
जिनोमइंडियाचे समन्वयक, शास्त्रज्ञ प्रोफेसर थंगराज, यांचे ऑनलाइन माध्यमाद्वारे बीजभाषण



महाविद्यालयातील विद्यार्थी आणि डॉ. अश्विनी टिळक यांनी मिळून सुंदर व अर्थपूर्ण केलेले पथनाट्य









Eat Right Mela



Inauguration of 'Eat Right Mela'



Mr. Ashok Shingare
(District Collector, Thane)



Mr. Jagannath Dixit (HOD, B J Medical College, Pune)



Mr. Rajesh Navekar (Commissioner, FDA)



Participation in Walkathon



Stressbuster Zumba with students



Participation in Walkathon



Inauguration of 'Eat Right Mela'



Stressbuster Zumba with students

Winner of Competitions held during Eat Right Mela



Ms. Shravani Ghatkar 1st Prize - Slogan



Ms. Lavanya Pujari 1st Prize - Food Stall



Ms. Mrunali Patil 1st Prize - Poster



Dr. Swarupa Agnihotri Asst. Prof. Botany 1st Prize - Rangoli



Mr. Jaidip Wable Asst. Prof. Chemistry 1st Prize Quiz

Mega Job Fair 2024-25



Inauguration of 'Mega Job Fair by Dr. Bedekar Chairman VPM



Valedictory Function of Mega Job Fair 2024-25



Registration of Candidates for Mega Job Fair



Interview at Mega Job Fair



Participants of Mega Job Fair



Felicitation of Company Represntatives by Dr. Ushavati Shetty

Award on World Health Day





NSS unit of college has contributed to the campaign of awareness of TB disease through Flash Mob

Report of Workshop For Subject Teachers For Orienting Towards NEP 2020 Compliant Syllabus and Curriculum

University of Mumbai under RUSA Maharashtra state along with Malviya Mission Teachers Training Centre (MMTTC) organized a "One day Workshop for Subject Teachers for Orienting Towards NEP 2020 Compliant Syllabus and Curriculum" on 27th September, 2024, at VPM's B. N. Bandodkar College of Science (Autonomous), Thane. The workshop aimed to have a common discussion among subject teachers for implementing the NEP 2020 w.e.f. academic year 2024-25 across the colleges affiliated to University of Mumbai. The workshop was attended by a total of 250 teacher representatives of different colleges affiliated to University of Mumbai from Thane, Navi Mumbai, Raigad and Palghar districts.

The pre-lunch sessions viz. Inaugural session followed by two sessions for verticals AEC and IKS were commonly conducted for all participants in Patanjali auditorium. The post lunch- subject specific sessions were conducted simultaneously at different venues in the college.

Inaugural session

The inaugural ceremony was graced by the presence of Dr Hiren Dand, Head, Department of Information Technology, PTVA's Mulund College of Commerce., Mulund, Dr Vasant Mali, Principal, Watumull Sadhubella Girls College, Ulhasnagar, and Dr Vinda Manjramkar, I/C Principal, VPM's B. N. Bandodkar College of Science (Autonomous), Thane in Patanjali Auditorium.

The session was hosted by Ms Sayali Daptardar and Ms Purvi Shah, Assistant Professors from Bandodkar College. It began with the national anthem, Maharashtra Geet followed by the University song. As per Indian tradition, the workshop was formally inaugurated by Saraswati Vandana and lighting of lamp by the dignitaries. Dr. Manjaramkar welcomed the guests on and off the dais to the beautiful campus of Jnanadweepa. She gave a brief introduction of various accolades of the college to the guests. She also emphasized the role of teachers as nation builders and the importance of correct understanding for implementing NEP in colleges.

Session 1:

Topic: Treatment of the subjects in the basket of vertical 5 and vertical 6

Name of resource person: Dr Hiren Dand, Head, Department of Information Technology, PTVA's Mulund College of Commerce, Mulund.

The resource person Dr. Hiren Dand began his session with a thorough explanation of the six verticals in syllabi under NEP 2020. He explained the credit distribution for each vertical, viz. Major, Minor, Open Elective, Vocational, Skill Enhancement, Ability Enhancement, Indian Knowledge System, Value Education and Co-Curricular course. The participants were introduced to the features and credit allotment for each of the verticals. Following were some of the highlights shared by Dr. Hiren for each vertical -

Vertical 1 i.e. MAJOR: 3 subjects for pure science (aided courses) eg: Physics, Chemistry, Maths, Botany, Zoology etc.; 1 subject for applied science eg: Biotechnology, Biochemistry etc., Vertical 2 i.e. MINOR: subject other than major, Vertical 3 i.e. OPEN ELECTIVE (OE): a subject conducted by faculty other than major subject faculty, Vertical 4 i.e. VSC/SEC: related to major subject, Vertical 5 i.e. AEC/IKS/VE, Vertical 6 i.e. CC: can include NCC, NSS, DLLE, Sports and Cultural. The rest of the session included specifications for vertical 5.

Regarding AEC i.e. Ability Enhancement Course, Dr. Hiren emphasized the importance of language in the field of Science. He suggested offering English as a language for semester 1 and 4, with other languages (such as regional language) in semester 2 and 3, which ensures retention of workload in both terms. The syllabi baskets are already available on the university website.

Dr. Hiren then commented on the changes in values in today's generation particularly in the era of internet and artificial Intelligence. He then insisted upon the importance of personality development through the Value Education course (VE). He also added the importance of environment conservation and sustainability which can be introduced as part of VEC.

Dr. Hiren resolved the doubts and queries of participants during the Q & A session, related to selection of subjects for major/minor, inclusion of NCC in co-curricular component etc. All the queries were satisfactorily answered by him.

Session 2:

Topic: Indian Knowledge System (IKS)

Resource Person: Dr. Vasant Mali

Dr Vasant Mali, resource person for the session 3 elaborated on the Indian Knowledge system (IKS) component of the syllabus. He introduced the subject by mentioning the trio- knowledge (dnyan), wisdom (pradnya) and truth (satya) that were the backbone of ancient Indian Knowledge.

Dr Mali explained the subjects including Yoga, Philosophy, Ayurveda and Metallurgy, which can be taught in context with modern science. He mentioned that a ten-year horizon could be envisioned for the application of IKS.

He emphasized that the two credits- IKS course is to be completed in the first year of the program. It aims to impart factual knowledge about Indian Culture and tradition. He mentioned that IKS is a broad topic, and should be taught at an introductory level. Internships/ apprenticeships and projects can also be considered during 7th and 8th semesters by applying IKS knowledge.

He shared a list of suggestions for IKS generic topics including Ayurveda, Krishi Shastra, Astronomy, Maths, Alchemy etc. The sub-topics for IKS generic were also discussed. For example, foundational principles, scope, historical context and modern applications can be covered in Ayurveda; ancient metallurgical practices and Rasashala in Alchemy, Contribution of Aryabhatt and Bhaskara to astronomy and its evolution to the technological stage can be covered in Astronomy subject. He mentioned that the topic for IKS can be chosen related to the major subject thoughtfully.

Topic: Evaluation Reforms and Assessment Management Plans, Outcome based Education

Resource Person: Dr. Vasant Mali

Dr. Mali conducted the session about the various methods for external and (particularly) internal assessment. The session also dealt with the significance of having defined objectives, outcomes and their utilization for mapping student progression.

The session began with distinguishing the traditional approach and outcome-based approach and its supremacy over the former. The participants realized the importance of aligning the intended learning outcomes with teaching and assessment methods.

Additionally, Dr. Mali explained the noteworthiness of utilizing mapping of the POs, PSOs and COs for setting up question papers.

Further he shared the verbs that can be used for setting test question papers in alignment with all the six levels of Bloom's taxonomy and the skill demonstrated at the respective level. He displayed a model question paper exhibiting the question-wise mapping of COs.

An elaborate table suggesting the assessment tools such as essays, assignments, group discussions, roleplay, for written, oral, practical, and integrated modes was shown by him. Further, he elucidated the difference between formative and summative assessment rubrics.

The morning session concluded with the formal vote of thanks proposed by Dr. Kalpita Mulye, workshop coordinator for the college.

Subject BOS session report:(Session 3 and 4)

BOS: Biotechnology (Session 1)

Resource person: Dr Bhuvaneshwari Krishna, Head of the Department of Biotechnology, CHM College, Ulhasnagar

Time: 2:00 pm to 3:30 pm, Venue: Maths lab, No. of participants: 8

The discussion covered the exam pattern (internal and external). She informed that an agreement on certification of the journal is to be done only in case of 75% attendance in a practical session. The syllabus was discussed and it was informed to the members that the inclusion of the topic 'Wine Technology' is being reconsidered now, because of the resistance to its inclusion in the syllabus. It was also decided that dense topics including microscopy (Major II) and genetic engineering (sem II) should be covered in the form of an overview. The discussion then covered the internal assessment, adopting creative ways to deviate from classroom teaching and topics for self-study. A large number of practicals that can't be assessed during practical exams can be considered for internal assessment. It was decided to have a consensus on removing Maths bridge course for enrollment in FY certificate course in Biotechnology. Life-senz laboratory for cancer cell research was suggested for student visit.

BOS: Biotechnology (Session 2)

Resource person: Dr Bhuvaneshwari Krishna, Head of the Department of Biotechnology, CHM College, Ulhasnagar

Time: 3:30 pm to 5:00 pm, Venue: Maths lab, No. of participants: 8

For R-software, in semester II, books were suggested. It was also discussed that students should complete 4 credit courses in the form of NSQF or on-job training for exit after first year with a certificate. Colleges that do not offer a master's course need to get additional permission from the university to start the BSc (Hon.) course whereas the colleges already having a master's course are exempted from the same.

BOS: Botany (Session 1)

Resource person: Dr. Dasi Meena Shankar Rao, R.K.T College Ulhasnagar

Time: 2:00 pm to 3:30 pm, Venue: room no 3, No. of participants: 30

Session 1 included implementation of NEP, credit scheme and theory practical syllabus for first year. The discussions also covered the preparation and grading of skeleton papers for both internal and external examinations. Some questions raised by participants include changing minor to major, and journals for major and minor subjects. All queries were satisfactorily resolved by the resource person.

BOS: Botany (Session 2)

Resource person: Dr. Laxmishree Swamy Chengala from G.M.M College Bhiwandi

Time: 3:30 pm to 5:00 pm, Venue: room no 3, No. of participants: 30

The session began with the discussion about syllabi of VSC, SEC and OE for first year botany. A detailed discussion on (The experts had deliberations about) internal assessment, course objectives, outcomes and program outcomes also took place. Queries regarding implementing short term courses and arranging field visits or onjob training were also settled by Dr. Laxmishree.

BOS: Chemistry (Session 1)

Resource person: Professor Kalpana Jain, Principal of Royal college, Mira Road; Dr. Santosh Kulkarni, Vice Principal of Agarwal college

Time: 2:00 pm to 5:00 pm, Venue: room no. 9, No. of participants: 45

Professor Kalpana Jain, conducted the first session on the importance of NEP 2020, its role in employability and aspects, such as syllabus framework, exam pattern and evaluation process. She also explained in detail about VSC and OE. Professor Jain stressed on the fact that unavailability of chemicals is a limiting factor for adding credits to practicals. The session was continued by Dr. Santosh Kulkarni, He threw the light on the First year syllabus of Inorganic Chemistry and its credit pattern. He emphasized on scheme I, II and III for inorganic major and minor syllabus.

BOS: Chemistry (Session 2)

Resource person: Dr Farahat Javed Khan, Assistant Professor from Satish Pradhan Dnyansadhana College, Thane; Dr Gurumeet Wadhawa, Assistant Professor, from Veer Wajekar Arts, Science and Commerce College, Phunde, Uran; Dr Suresh More, Assistant Professor, VPM Kinhavali's Arts, Commerce, Science College, Kinhavali.

Time: 2:00 pm to 5:00 pm, Venue: room no. 9, No. of participants: 45

The second session involved discussion of physical and inorganic chemistry, and other verticals (SEC and VSC). The resource persons explained in detail about the syllabus, exam pattern, and evaluation pattern for basics in physical and inorganic chemistry I and II. They further described Topics included in the SEC component such as sampling technique, basic statistical tools, software and data analysis in chemistry. Links of different virtual labs for chemistry were shared with the members. VSC discussion involved the topics to be covered under it which includes tools for analytical chemistry, the practical component and, overall paper pattern and evaluation pattern of VSC.

BOS: Computer Science (Session 1)

Resource person: Dr. Jyotsna Dongardive, Head, Department of Computer Science and Chairperson of CS Board of Studies

Time: 2:00 pm to 3:30 pm, Venue: IT lab no. 1, No. of participants: 18

Alignment of NEP 2020 with Computer Science syllabus was thoroughly discussed, along with credit distribution among the 6 verticals. A brief overview was also displayed regarding credit distribution in second and third year of the course. The participants' queries regarding the selection of elective subjects and conducting practicals were resolved by the resource person.

BOS: Computer Science (Session 2)

Resource person: Mr. Vipul Saluja, convenor of Syllabus committee

Time: 3:30 pm to 5:00 pm, Venue: IT lab no. 1, No. of participants: 18

Mr. Saluja provided particulars about syllabus credits and hours allotted for each subject. Additional details regarding examination, evaluation and paper pattern were shared by the resource person. Queries regarding opting minor courses from other institutions and on-job training were settled.

BOS: Data Science

Resource person: Dr Srivaramangai R, Head, Department of IT, University of Mumbai

Time: 2:00 pm to 4:30 pm, Venue: IT lab 2, No. of participants: 32

Dr Srivaramangai specifically mentioned that the eligibility criteria for data science is the same as IT. Questions were raised regarding the concept of re-exam, and admission of second year for non-NEP students. Topics discussed for data science VSC course include Web technology, Basic HTML, JSON, JQuerry.

BOS: Information Technology

Resource person: Dr Hiren Dand, Head, Department of Information Technology, PTVA's Mulund College of Commerce

Time: 2:00 pm to 4:30 pm, Venue: IT lab 2, No. of participants: 32

Dr Hiren Dand elaborated about eligibility and title of the program. He mentioned that the Degree will be conferred as Major in IT and Minor in Maths. The credit structure and assessment pattern were discussed as well. The rules of ATKT and the format of question papers for practicals were also discussed. It was suggested to develop a question bank specifically for practical exams. Skill enhancement vertical was also discussed.

BOS: Mathematics (Session 1)

Resource person: Dr. V. S. Kulkarni, Professor of Mathematics

Time: 2:00 pm to 3:30 pm, Venue: room no 4, No. of participants: 14

The session was initiated by underlining the course to be interdisciplinary and application oriented. Key features such as curriculum flexibility, skill development and vocational educational education were also discussed. A total of 14 attendees participated by raising queries such as batch strength for each vertical, credit distribution in OE and effect on mathematics faculty from non-science colleges. The resource person provided clarity on batch strength and also gave assurance of keeping the workload intact.

BOS: Mathematics (Session 2)

Resource person: Dr. Anuradha Garge, Assistant Professor, Department of Mathematics, Mumbai university

Time: 3:30 pm to 5:00 pm, Venue: room no 4, No. of participants: 14

The key outcomes of the session were regarding attainment of the course outcomes, utilizing Bloom's taxonomy for mapping of course and program outcomes, reference literature for newly introduced topics, open electives and mathematical magics. Dr. Garge also suggested project and seminar topics such as continuous fractions, Chinese remainder theorem, multinomial theorem, Fibonacci sequence etc. She proposed algorithm and python programming for the syllabus of SEC and made suggestions for practicals that can be conducted under VSEC. The inputs and suggestions were well received by the participants.

BOS: Physics (Session 1)

Resource person: Dr Digambar Sakpal, SICES Degree College of Arts, Science and Commerce, Ambernath

Time: 2:00 pm to 3:30 pm, Venue: Physics lab, No. of participants: 12 The key points discussed include a detailed evaluation pattern for VSC and SEC components and schemes I, II, III. The resource person also shared reference books for VSC and SEC.

BOS: Physics (Session 2)

Resources person: Dr Sopan Bhamre, B.N.N. College, Bhiwandi

Time: 3:00 pm to 4:30 pm, Venue: Physics lab, No. of participants: 12 The second session focussed on the practical component of VSC, mainly the maintenance of the lab equipment. Dr Bhamre also covered the SEC component to involve the use of CRO, logic gates for IC testing, building electrical circuits using breadboard and so on.

BOS: Zoology (Session 1)

Resource person: Dr. Minakshi Guray, D. G. Ruparel college, Mumbai

Time: 2:00 pm to 3:30 pm, Venue: room no. 8, No. of participants: 34

The first session dealt with syllabus scheme I, II and III, theory and practical topics, paper pattern and resource materials' availability. The participants raised issues such as insufficient practical examination timing, inaccessibility of commercial laboratories and managing large batches on the field. The attendees came to agreement for increasing time for practical examination and utilization of local resources.

BOS: Zoology (Session 2)

Resource person: Dr. Dilip Kakavipure, Associate Professor, BNN College, Bhiwandi

Time: 2:00 pm to 3:30 pm, Venue: room no. 8, No. of participants: 34 This session focussed on the first year syllabus of VSC, SEC and OE. Theory syllabus, practical pattern, evaluation and marking scheme were also discussed. The query regarding fish rearing as a part of practicals, was resolved by the resource person.

> Dr. Kalpita Mulye & Mrs. Kadambari Manjrekar Workshop Coordinator

ज्ञानद्वीपावर 'स्वत्व' सोहळा संपन्न

प्रत्येक मनुष्य हा लाखो पेशींनी बनलेला असतो. प्रत्येक पेशीच्या गाभ्यात त्या व्यक्तीचा जनुकसंचय डीएनए क्रमांच्या स्वरूपात, तेवीस गुणसूत्रांच्या जोड्यांमध्ये साठवलेला असतो. ऍडीनिन, थायमिन, ग्वानिन आणि सायटोसिन यांच्या अद्वितीय क्रमाने बनलेल्या DNA चा हा जनुकसंचय म्हणजे प्रत्येक मानवाची खास ओळखच म्हणायला हवी. 'DNA sequencing' नावाच्या तंत्राने DNA मधील ऍडीनिन, थायमिन, ग्वानिन आणि सायटोसिन यांचा हा अनोखा क्रम जाणून घेता येतो. आजकाल यासाठी लागणारा कालावधी आणि खर्च पूर्वीपेक्षा बराच कमी झाला आहे. गमतीची बाब म्हणजे मानव आणि मानव जातीसदृश चिंपँझीमधील डीएनएमध्ये केवळ १% फरक आढळून आला आहे. तसेच दोन मानवांच्या डीएनएमध्ये फक्त ०-१% फरक आढळून येतो. हाच फरक त्या व्यक्तींना त्यांचे गुणधर्म देतो.

पाश्चमात्य देशांनी १९९० साली मानवाची संपूर्ण जनुकीय माहिती मिळविण्यासाठी 'ह्युमन जीनोम प्रकल्प' राबवला गेला. २००३ साली त्याचे निष्कर्ष प्रकाशित करण्यात आले. ९२% मानवी जनुकक्रम यावेळी अभ्यासला गेला. प्रिथनरूपात व्यक्त होणाऱ्या, तसेच प्रिथनरूपात व्यक्त न होणाऱ्या सर्व डीएनए क्रमांचा उलगडा केला गेला. त्यावेळी उपलब्ध असलेली साधने मर्यादित असल्यामुळे उरलेला ८% जनुकक्रम २०२२ साली प्रकाशित झाला. या आंतरराष्ट्रीय प्रकल्पामध्ये पाश्चमात्य मानवांची जनुके अभ्यासली गेली विविध मानवी आजारांवर जनुकीय उपाय शोधून काढणे, जनुकीय आजारांची कारणे शोधणे व मानवी समुदायातील विविधतेच्या कारणांचा अभ्यास करणे इत्यादी उद्दिष्टे या प्रकल्पात अंतर्भूत होती. हा अभ्यास करताना मानवी जीनोममध्ये २५० हून अधिक कर्करोगाची जनुके अधोरेखित केली गेली. त्यांच्या अभ्यासाने काही प्रकारच्या कर्करोगावर मात करणे किंवा कर्करोग होणार असल्यास त्याची पूर्वसूचना व्यक्तीस देता देणे आता शक्य झाले आहे.

याच धर्तीवर भारत सरकारच्या जैवतंत्रज्ञान विभागाने २०२० साली 'जिनोमइंडिया प्रोजेक्ट' या अत्यंत महत्वाकांक्षी संशोधन प्रकल्पाचा आरंभ केला. फेब्रुवारी २०२४ मध्ये ९९ वांशिक गटांमधून १०,०७४ व्यक्तींचा जनुकक्रम निर्धारित करण्यात आला. पाच वर्षांतच दहा हजार भारतीय नागरिकांचा जनुक आराखडा उलगडून या प्रकल्पाने यशाचा अतिशय महत्वाचा टप्पा गाठला आहे. ९ जानेवारी २०२५ रोजी माननीय पंतप्रधानांनी याची अधिकृत घोषणा केली. सर्व भारतीयांचा ऊर अभिमानाने भरून यावा अशीच ही घटना आहे. या यशामध्ये अनेक संशोधक आणि संशोधन संस्थांचा उल्लेखनीय वाटा आहे. या प्रकल्पासाठी एकोणीस हजारांपेक्षा जास्त रक्ताचे नमुने संकलित करून 'जिनोमइंडिया बायोबँके'मध्ये संग्रहित करण्यात आले. या प्रकल्पामध्ये मिळालेली सर्व माहिती 'इंडियन बायोलॉजिकल डेटा सेंटर'मध्ये (आयबीडीसी) साठवून ठेवली आहे.

भौतिक, पायाभूत सोयी-सुविधांवर केलेला शासकीय तिजोरीतला खर्च सामान्य जनतेस ठळकपणे दिसून येतो. परंतु संशोधनामध्ये केलेली आर्थिक गुंतवणूक फलद्रूप होण्यासाठी मात्र बराच काळ जावा लागतो. जिनोमइंडिया प्रकल्प असाच एक अत्यंत महत्त्वाचा संशोधन प्रकल्प म्हणता येईल. विज्ञान आणि तंत्रज्ञान मंत्रालयाने वित्तपुरवठा केलेल्या या प्रकल्पात संशोधकांना साडेतेरा कोटींपेक्षा जास्त जनुकीय फरक आढळले आहेत. भारतीय लोकसंख्येचे वैशीष्ट्य असणारी अद्वितीय विविधता आणि तिचे प्रतिनिधित्व करणारी 'जनुकीय भिन्नता' यांचा उलगडा या प्रकल्पाने होऊ शकतो. भारतात विशिष्ट जातीजमातींत प्रामुख्याने आढळणाऱ्या आनुवंशिक तसेच संसर्गजन्य आजारांवरील उपचार अधिक प्रगत करण्यात यामुळे मदत होऊ शकते. या प्रकल्पामुळे जनुकीय विकारांवरील संशोधनात क्रांती घडून येईल, भारतीय स्वरूपाच्या समस्यांवर भारतीय उपाय उपलब्ध होतील, अशी अपेक्षा आहे. या प्रकल्पातील शास्त्रीय निरीक्षणे ही वैद्यकशास्त्र, रोगनिदान शास्त्र, जनुकशास्त्र या क्षेत्रांमध्ये क्रांतिकारक बदल घडवून आणणार आहेत.

या विजिगिषु प्रकल्पाबद्दल सर्वसामान्यांना माहिती मिळावी या हेतूने, राष्ट्रीय विज्ञान दिनाचे औचित्य साधून, बा. ना. बांदोडकर स्वायत्त महाविद्यालयातील जैवतंत्रज्ञान व सूक्ष्मजीवशास्त्र विभाग आणि अभियांत्रिकी महाविद्यालय, यांच्या संयुक्त विद्यमाने एक आगळावेगळा उपक्रम आयोजित करण्यात आला होता. भारतीय जनुकांचा शोध घेणाऱ्या, भारतीयांची स्वतःची ओळखच जणू दर्शवणाऱ्या या प्रकल्पाचा उत्सव 'स्वत्व- जिनोम इंडिया प्रकल्पाचा गौरव सोहळा' या सार्थ शीर्षकांतर्गत २५, २७ व २८ फेब्रुवारी २०२५ रोजी ठाणे महाविद्यालय परिसरात साजरा करण्यात आला.

वि. प्र. मं. चे विश्वस्त डॉ. महेश बेडेकर यांच्या कल्पनेतून साकारलेल्या या उपक्रमाचा उदघाटन सोहळा २५ फेब्रुवारी २०२५ रोजी ठाणे महाविद्यालय परिसरात संपन्न झाला. डॉ बेडेकरांनी उदघाटनपर भाषणात जीनोमइंडिया प्रकल्पाचा भारतीय आरोग्यव्यवस्थेवरील नजीकच्या भविष्यकाळातील प्रभाव उदाहरणासहित स्पष्ट केला. बा. ना. बांदोडकर विज्ञान महाविद्यालयाच्या प्राचार्या डॉ. विंदा मांजरमकर यांनीदेखील या प्रकल्पाचे जनसामान्यांसाठीचे महत्व विशद केले. या सोहळ्यात, जिनोमइंडियाचे समन्वयक, सेन्टर फॉर सेल्ल्युलर अँड मॉलेक्युलर बायॉलॉजी येथील शास्त्रज्ञ प्रोफेसर थंगराज, यांचे भारतीय जीनोम प्रकल्पाच्या अनुषंगाने 'लोकसंख्येचे जनुककोशशास्त्र आणि सार्वजनिक आरोग्य' या विषयावर ऑनलाइन माध्यमाद्वारे बीजभाषण झाले. भारतीय जीनोम प्रकल्पाचे महत्त्व त्यांनी विस्तृतपणे उलगडून सांगितले. भारतीय वंशाच्या उत्पत्तीचा शोध, तसेच जनुकीय आजारांचे जन्मपूर्व निदान यांमध्ये जिनोमइंडिया प्रकल्पामुळे काय क्रांती घडून येऊ शकते हे त्यांनी सविस्तर स्पष्ट केले.

त्यानंतर जिनोमइंडिया प्रकल्पामध्ये प्रत्यक्ष सहभाग असलेले, इन्स्टिटयूट ऑफ लाईफ सायन्सेस, भुवनेश्वर, ओरिसा येथील शास्त्रज्ञ डॉ. पुनीत प्रसाद यांचेही ऑनलाइन माध्यमाद्वारे 'A Paradigm Shift in Indian Genomics: India's Genome Project' या विषयावर भाषण झाले. जनुक अभिव्यक्ती या मूलभूत संकल्पनेपासून सुरुवात करून 'एपीजीनोम' चा प्रभाव, कृत्रिम बुध्दीमत्तेची या प्रकल्पातील भूमिका अशा अनेक महत्वाच्या मुद्द्यांवर त्यांनी प्रकाश टाकला.

उदघाटनानंतर डॉ. महेश बेडेकर यांनी जिनोमइंडिया प्रकल्पाची माहिती देणाऱ्या प्रदर्शनाला भेट दिली. डीएनए, जनुके, जनुकीय आजार, त्यांचे परिणाम, त्यांचे सहज निदान, त्यासाठी करता येणारे प्रतिबंधात्मक उपाय, हे सर्व विषय भित्तीपत्रके, प्रतिकृती, पथनाट्य, विज्ञानखेळ अशा विविध रंजक स्वरूपांमध्ये समजावण्यात आले. जैवतंत्रज्ञान व सूक्ष्मजीवशास्त्र विभागाचे विद्यार्थी आणि वि. प्र. म. च्या अभियांत्रिकी महाविद्यालयातील विद्यार्थांनी मिळून सुंदर व अर्थपूर्ण प्रतिकृती साकारल्या होत्या. सापशिडी, फुल्लीगोळा अशा गमतीशीर खेळांमधून जनुकीय आजार, त्याचे पूर्वनिदान यांचे महत्व समजण्यास मदत होत होती. 'ह्युमन जीनोम प्रकल्प', 'जिनोमइंडिया प्रकल्प', त्याचाशी निगडित 'संस्था आणि शास्त्रज्ञ', राबवण्यात येणारी 'प्रणाली', या प्रकल्पाचे 'फायदे तोटे' हे सर्व दर्शवणारी भित्तीपत्रके आणि अतिशय उत्साहाने हि महत्वाची माहिती देणारे जैवतंत्रज्ञान व सूक्ष्मजीवशास्त्र विभागाचे विद्यार्थी सर्वांचे लक्ष वेधून घेत होते. जनुकशास्त्र व जीनोम प्रकल्प या विषयांवरील पुस्तकांचे प्रदर्शन देखील भरवण्यात आले होते. केंद्र सरकारने बाबत प्रसारित केलेली चित्रफीत दाखवण्यात येत होती. पाहुण्यांना या प्रकल्पाची आठवण म्हणून खास बुकमार्क दिले जात होते. एकूणच सर्व वातावरण भारावून टाकणारे होते.

बा ना बांदोडकर विज्ञान महाविद्यालयाच्या प्राचार्या डॉ. विंदा मांजरमकर, अभियांत्रिकी महाविद्यालयाचे प्राचार्य डॉ. नायक, तसेच जैवतंत्रज्ञान व सूक्ष्मजीवशास्त्र विभागाच्या समन्वयक डॉ. कल्पिता मुळ्ये व, डॉ. जयश्री पवार, प्राध्यापिका पूर्वी शाह, प्रा. सायली दफ्तरदार, डॉ. अश्विनी टिळक, प्रा. वैशाली जोशी, प्रा. सुहासिनी शुक्ल यांचे मोलाचे मार्गदर्शन विद्यार्थ्यांना लाभले. सर्वंसामान्य नागरिक, तसेच विविध शालेय आणि महाविद्यालयीन विद्यार्थ्यांसाठी हा उपक्रम २७ व २८ फेब्रुवारी २०२५ रोजी सकाळी नऊ ते सायंकाळी पाच या वेळेत खुला होता. सर्व नागरिकांसाठी खुल्या असलेल्या या आगळ्यावेगळ्या उपक्रमास विविध शालेय व महाविद्यालयीन विद्यार्थी आणि ठाणेकर नागरिकांचा भरभरून प्रतिसाद मिळाला.

२८ फेब्रुवारी २०२५ रोजी दुपारी दोन वाजता बांदोडकर महाविद्यालयातील पतंजली सभागृहात कार्यक्रमाची सांगता झाली. कार्यक्रमाची सुरुवात राष्ट्रगीताने झाली त्यामध्ये जिनोमइंडिया प्रकल्पाचे हेतू आणि यश याची चित्रफीत सादर करण्यात आली. गेल्या तीन दिवसांचा आढावा घेणाऱ्या ध्वनिचित्रफितीद्वारे पाहुण्यांचे स्वागत करण्यात आले. यावेळी जैवतंत्रज्ञान विभागाच्या समन्वयक डॉ. जयश्री पवार यांनी स्वत्व कार्यक्रमाची रूपरेषा व त्यामागील विचार मान्यवरांना उलगडून सांगितले. भारतातील 'बायोजीनोमिक्स' या आघाडीच्या बायोफार्मास्युटिकल कंपनीच्या संचालिका डॉ. अर्चना कृष्णन यांनी समारोपाचे भाषण केले. अवयव प्रत्यारोपण ते इन्सुलिन सारख्या औषधांचे उत्पादन यांत प्रकल्पामुळे आमूलाग्र क्रांती कशी घडून येऊ शकते हे त्यांनी सोदाहरण दाखवू दिले. सूक्ष्मजीवशास्त्र विभागाच्या समन्वयक डॉ. कल्पिता मुळ्ये यांनी आभारप्रदर्शन केले. उदघाटन व समारोपाचे कार्यक्रम 'YouTube Live' वर देखील प्रक्षेपित करण्यात आले होते.

डॉ. जयश्री पवार, समन्वयक, जैवतंत्रज्ञान विभाग, डॉ. कल्पिता मुळ्ये, समन्वयक, सूक्ष्मजीवशास्त्र विभाग

'Eat Right Mela'

"Grand 'Eat Right Mela' and Spectacular Walkathon Organized at Bandodkar College" Thane, March 26, 2025 – The Food and Drug Administration (FDA), Thane, in collaboration with Vidya Prasarak Mandal's B.N. Bandodkar Science College (Autonomous), Thane, successfully organized the "Eat Right Mela and Walkathon", a significant health initiative aimed at promoting a balanced diet and a healthy lifestyle.

The event commenced on March 26, 2025, at 7:00 AM with a grand Walkathon, inaugurated by Dr. Mahesh Bedekar, Chairman of Vidya Prasarak Mandal and an international marathon runner. Later, at 10:00 AM, the formal inaugural ceremony was held at Thorale Bajirao Peshwe Auditorium, with Thane District Collector Ashok Shingare (IAS) as the Chief Guest, and FDA Commissioner Maharashtra, Shri Rajesh Narvekar (IAS), as the Chairperson of the event.

Inspiring Speech by Dr. Jagannath Dixit on Diabetes Prevention:

Renowned expert Dr. Jagannath Dixit, the pioneer of the Dixit Diet Plan, delivered an impactful speech, emphasizing, "Change your lifestyle, eat only twice a day, and eliminate diabetes permanently." His message deeply resonated with the audience, making them reflect on their dietary habits.

During his presidential address, Shri Rajesh Narvekar highlighted the long-standing association between the FDA and Bandodkar Science College, appreciating its proactive role in organizing unique and impactful events. He commended the college for hosting various awareness programs, including Voter ID campaigns, National Voter's Day, Election Awareness Drives, and Constitution Day celebrations.

Thane District Collector, Shri Ashok Shingare, in his inaugural speech, acknowledged the college's consistent efforts in civic and health-related awareness campaigns.

Event Highlights & Special Messages:

The event began with a welcome address by Principal Dr. Vinda Manjramkar, who urged parents to provide nutritious meals like vegetables and chapati in their children's lunchboxes and prioritize regular health check-ups.

Dignitaries present included:

- ✓ Shri Gajanan Patil, Project Officer, Consumer Rights Protection Committee
- ✓ Shri Narendra Supe, Joint Commissioner (Drugs), FDA
- ✓ Shri Shrikant Karkale, Joint Commissioner (Food), FDA
- ✓ Dr. Rahul Khade, Joint Commissioner (Vigilance), FDA
- ✓ Shri Rohan Ghuge (IAS), Chief Executive Magistrate

Competitions & Special Recognitions:

Several competitions based on the "Eat Right" theme were organized, including Rangoli, Poster-Making, and Slogan Writing, with winners being felicitated by esteemed guests.

Special appreciation was given to:

- 🟅 Captain Bipin Dhumale (NCC Army Boys Chief)
- 🐰 Dr. Sayali Daptardar (NSS Program Officer)
- 堪 Prof. Vinod Thorat

Additionally, Manoj Singh from 1 Maharashtra NCC Battalion graced the event with his presence. Various departments, including DLLE, Gymkhana, Library, IT, and others, significantly contributed to the program's success.

A Landmark Event for Health Awareness in Thane: The Eat Right India initiative successfully educated attendees about the importance of balanced nutrition, a healthy lifestyle, and the benefits of mindful eating habits. The event also featured health check-up stalls and expert dietary consultations, benefiting the participants.

The event witnessed massive participation, with over 1,500 students and Thane residents actively engaging in the activities, making it one of the city's most impactful health awareness campaigns.

"Stop Spitting" Campaign by Rotary Club of Horizon:

A unique initiative was introduced by Radhika Padmanabhan, Nihar Shastri, and Harshad Divekar from the Rotary Club of Horizon, along with A.S. Kumar. They launched the "Stop Spitting" campaign, raising awareness about public hygiene. As part of this initiative, NSS and NCC students distributed special spitting pouches to auto-rickshaw drivers and the general public to prevent littering and the spread of diseases in public spaces.

This grand event marked a significant milestone in Thane's health awareness movement, encouraging citizens to embrace a healthier and more hygienic lifestyle.

The following are the winners of various competitions organized under Eat Right Mela:

- **Winners of Slogan Competition -** 1st Prize Shravni Ghatkar, 2nd Prize Aliza Eman, 3rd Prize Sanskruti Patil & Consolation Prize Bhavesh Raju Adepwar
- **Poster compitition winners** 1st Prize : Mrunali Patil BNB, 2nd Prize: Satvik Tayde BNB, 3rd Prize: Bhavesh Adepwar Polytechnic
- Food stall competition winners 1st Prize Lavanya Pujari, 2nd Prize Shital Pokharkar 3rd Prize: Radhika Bamankar, Consolation Prize Shefali Sawant, Kirti Nautiyal
- Rangoli competition winners 1st Prize Dr. Swarupa Agnihotri, 2nd Prize Mr. Yash Pol, 3rd Prize Ms. Ketali Thakur & Consolation Prize Ms. Bhoomi Tarkar
- Quiz Competition- Mr. Jaidip Wable

Bandodkar College Honoured by Thane Municipal Corporation on the Occasion of World Health Day

As part of our unwavering commitment to promoting public health and hygiene, our college organized an Anti-Spitting Awareness Campaign at various locations across Thane city. The campaign aimed to raise awareness among individuals who consume tobacco products about the harmful effects of spitting in public and its significant role in the spread of infectious diseases such as Tuberculosis (TB).

A key feature of this initiative was the distribution of Spitoons — small, portable pouches provided free of cost by Radhika Padmanabhan of Rotary Club of Horizon. These pouches were distributed among vehicle drivers and passengers who chew tobacco, encouraging them to use the spittoons instead of spitting in public. This small yet impactful step aimed to contribute to a cleaner and healthier environment in the city.

Recognizing the importance and consistency of this campaign, which has been running successfully for the past seven years, the Thane Municipal Corporation (TMC)awarded Vidya Prasarak Mandal's B. N. Bandodkar Autonomous College of Science with a special honor on the occasion of World Health Day. The award was presented by Honourable MLA Mr. Mhaske, the Commissioner of TMC, and Dr. Prasad Patil, Chief Medical Officer (TB Division). This recognition acknowledges the college's continued efforts in improving public health and spreading awareness about TB prevention. The campaign witnessed enthusiastic participation from Principal Dr. Vinda Manjramkar, NSS Programme Officer Dr. Sayali Daptardar, Cultural

Coordinator Dr. Prahlad Wagh, NCC Officer Capt. Bipin Dhumale, General Secretary Shreyas Shinde, NSS volunteers, Senior Under Officer Amit Yadav, and NCC cadets, all of whom played a significant role in spreading awareness and inspiring the public to adopt healthier habits.

This campaign stands as a proud moment for our college and reinforces our firm commitment to building a healthier society through active community participation.

'Mega Job Fair 2024–25'

Placement cell of Vidya Prasarak Mandal's B. N. Bandodkar Science College (Autonomous), Thane, organized a grand Mega Job Fair 2024–25 in collaboration with Anubandh Alumni Association and Federation of Industries of India under guidance of IQAC. The event commenced with an inaugural ceremony graced by several dignitaries.

Distinguished guests included Dr. Vijay Bedekar (Chairman, Vidya Prasarak Mandal), Chief Guest Mr. Rakesh Telwane (Managing Director, Telwane Power Equipment Pvt. Ltd.), Trustee Mr. J. N. Kayal, Principal Dr. Vinda Manjarmakar, Vice Principal Mr. Abhijeet Kale, and Placement Coordinators Dr. Abhay Morajkar and Dr. Ushavati Shetty (Alumnus, Chief PRO St. John Education Campus) also marked their presence, adding grace to the occasion.

A total of 72 reputed companies participated in the job fair, including leading names such as TCS, Reliance, HDFC, Axis Bank, ICICI, NIIT, Genexhire, LIC, and Hexaware. 738 students from Thane, Vasai, Palghar, Mumbai, and Navi Mumbai registered for the event, out of which 271 candidates were shortlisted for the next round of selection.

The event received financial support from International Business School, Powai, the Federation of Industries of India (FII), and Thane Bharat Cooperative Bank. Special thanks are extended to Mr. Haresh Dudia from Plus Institute for his significant contribution to the success of this event.

Key contributors to the successful execution of the job fair included Librarian Mrs. Kadambari Manjrekar, Anchor Dr. Urmila Kumawat, Hospitality in-charge Dr. Jawalkar, NCC Chief Captain Bipin Dhumale, registration officers Mr. Tejas Jadhav and Mr. Vinod Thorat, Mr. Nihit Tiwari, NSS Officer Mr. Ashish Koli, and staff members including Mr. Sagar, Mr. Siddharth, Mrs. Swati, Mrs. Priyanka, Mrs. Shamal Kulkarni, Mr. Chetan and Mrs. Ashwini Koli, Mr. Sawant, and Mr. Jitendra Khairnar. Faculty, non-teaching staff and volunteers from the cultural department, NCC cadets, and the Gymkhana Secretary also played a crucial role in managing the event.

The media coverage and outreach of this initiative were supported by Maharashtra Vritant, News18, Thane Vaibhav, and Punya Nagari.

This job fair proved to be an excellent platform for connecting students with career opportunities and linking industry with fresh talent. Notably, this large-scale recruitment initiative was conducted without imposing any financial burden on students — a unique achievement for a science college.

Through this job fair, over 500 current and former students are expected to gain access to employment opportunities, making this initiative a shining example of the college's commitment to social responsibility.

Dr. Abhay Morajkar Coordinator, Placement Cell



Department Reports



Biochemistry

The academic year 2024-25 for the Biochemistry Department commenced in June 2024 with a session on "Mission I Am Possible" held on 26th July 2024. Ms. Sayali Daptardar, the Head of the Department, presented a roadmap for students to secure placements in prestigious institutions across India and abroad. This session provided valuable insights into opportunities in Biochemistry and related fields while focusing on confidence building and personality development. On 12th August 2024, the department organized the activity "Guidance from Seniors," where students who had completed internships at various research institutes shared their experiences. Five students from S.Y.BSc and T.Y.BSc shared their experiences and provided guidance on internship procedures, while Ms. Hricha Joshi, currently pursuing her MSc at the University of York, UK, guided her juniors with her valuable insights into the selection and application processes for universities abroad.

From 16th to 29th August 2024, the department conducted a 10-day hands-on training program on "In Silico Drug Designing" in collaboration with Career Scope Lab, providing students with a comprehensive understanding of designing novel drugs using computational tools. As part of National Nutrition Week, the department organized activities such as a Nutritional Rally, 'Nutribites-Healthy Bites...Happy Life' competition and expert guidance under Nutri-talk sessions. On 2nd September 2024, the rally raised awareness about healthy diets and malnutrition prevention. The Nutribites competition organized on 4th September 2024, encouraged students to explore innovative methods of preparing healthy meals. Guest speakers from wellness expert, Ms. Sonali Patil, director, chief nutrition officer and certified clinical nutritionist and Ms. Riya Mhatre, clinical Nutritionist, wellness expert, health coach delivered insightful Nutri-talk sessions on nutraceuticals and their role in preventing chronic diseases.

The itinerary of Goa visit included a well-rounded combination of Goa's rich cultural heritage, scenic beaches, local business ventures and a vibrant Goan dance experience on a cruise, catering to the diverse interests of the students. Visits to prominent institutions such as ICAR, the National Institute of Oceanography and the Institute of Ayurveda provided students with invaluable opportunities to engage with advanced research and traditional practices. These experiences significantly broadened their understanding of various scientific and cultural disciplines.

The department's certificate course in "Food Adulteration and Quality Management" was conducted from 27th January to 15th February 2025. This course covered food packaging, sensory attributes, food laws, additives, and preservatives, with industrial visits to Prashant Corner Factory and Bunty Parle Food Pvt. Ltd. Sixteen students from various departments participated and received the course certificate after passing the internal and external examination.

The department also organized an interactive Parents-Teachers Meet, where parents were updated about departmental activities, student attendance and overall development, fostering a deeper understanding of their ward's progress.

The department showcased its dedication to research and innovation through active student participation in Avishkar: The Research Convention 2024-25. Under the guidance of Ms. Arthi Manohar, students were selected for the zonal round for their project on "Ointment Formulation Using Collagen Extracted from Egg Shell Membrane."

Another project, "Formulation and Characterization of Edible Packaging Material from Fruit Peels," guided by Ms. Shradha Pagare, advanced to the zonal round of Avishkar, won first prize in the Green Tank competition, and was also selected for the Marathi Vidhan Parishad. Siya Patil, a second year student secured the second prize in the National Level Poster Competition organized by SRIJNA at Guru Nanak Institute of Research and Development. Additionally, Ms. Nistha Desai secured second rank in the poster presentation competition Nav Pravartan – Research Convention for her project "Extraction of Essential Oil & Formulation of Herbal Perfumes," under the guidance of Ms. Pooja Kanse. The department further excelled by securing the top four prizes in the Eco Pulse: Monitoring the Beats of Ecosystem Conference 2024-25. Shravani Ghatkar, a second year student, also got selected for a summer internship at the Agricultural and Food Engineering Institute.

Our students also excelled in various intercollegiate competitions. Sachiv Pandey won first prize in the Infotech Innovation competition. F.Y.B.Sc and S.Y.B.Sc students achieved remarkable success in various sports and cultural events. Faizan Sayed won a silver medal in football, while Bhumika Korpe secured the first prize in carrom. Simra Cheulkar earned multiple prizes in table tennis at intercollegiate competitions. Yagya Bhandari achieved the second prize in Udaan – Creative Writing. In the Youth Festival, Bhumika Korpe and Saneelah Vasaikar won the third prize in the poster-making competition. Saneelah Vasaikar also earned the first prize in the Mehendi competition and the third prize in poetry writing. Additionally, she secured the second prize in the Treasure Hunt organized by K. J. Somaiya College of Science and Commerce. Siya Patil won the second prize in story writing at Gandharva-25, while Janhvi Yadav received the second prize in the Biovibes reel-making competition organized by O.P. Jindal University, Raigarh. Shravani Ghatkar won first prize in Eat Right Mela Slogan Making Competition, while Kirti Nautiyal & shefali sawant also received consolation prize in the Eat Right Mela on the spot millet recipe competition.

Department also organized a three-day hands-on workshop on AGE/PAGE Electrophoresis guided by Ms. Yogita Narwekar on 14th, 15th, and 18th January 2025, and a one-day Phlebotomy workshop led by Mr. Sujit Chaudhary on 17th February,2025 to get deep knowledge of blood collection techniques. Celebrating traditional nutritious food habits, the department conducted year-long activities starting on 9th August 2024. National Science Day was celebrated on 28th February 2025 with students' presentations on the contributions of novel scientists and a logomaking competition to launch the department's YouTube channel. The department strives to implement innovative practices in conducting internal examinations, where students are assessed through research-based skits and scientific video creation.

With 30 students from S.Y.BSc and T.Y.BSc completing internships in organizations such as Radiance Clinical Diagnostics, Quality Service Solution, and Apex Laboratories, the department achieved notable success. Faculty members actively participated in seminars and workshops. Ms. Pooja Kanse successfully completed B.Ed. degree in July 2024. The academic year 2024-25 was an enriching and productive year for the Biochemistry Department, marked by academic excellence, industrial exposure and student development initiatives.

Ms. Sayali Daptardar Coordinator, Biochemistry

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Biotechnology and Microbiology

The year began with the hosting of the Dr. V. N. Bedekar Colloquium Lecture on 'Professional Ethics: Do's and Don'ts' by Dr. Ashwin Kotnis, Professor, Department of Biochemistry, AIIMS, Bhopal, on 24th June 2024. Students participated enthusiastically and engaged in discussions with the resource person. The session helped them to understand various aspects of plagiarism, and they also received guidance on how to avoid it.

A cultural event, Swaranjali, was hosted by the department on 3rd August 2024, with the theme Aarambh (The Beginning). The theme Aarambh symbolized the start of many significant aspects of human life, such as birth, education, relationships, and seasons. This was portrayed through Hindi and Marathi songs performed live, accompanied by musical instruments, karaoke, and live dance performances on selected songs. The musical event featured performances by current and former faculty members, students, and alumni of B.N. Bandodkar College of Science. The audience thoroughly enjoyed the evening and appreciated the performances.

Dr. Jayashree Pawar and Ms. Purvi Shah conducted a career guidance session on 31st August 2024 at Patanjali Auditorium. The primary objective of the session was to explore various career paths, including academia, industry, entrepreneurship, and non-traditional roles after graduation and post-graduation. The session also aimed to create awareness about national and institutional entrance exams for postgraduate courses. Dr. Kalpita Mulye and Dr. Jayashree Pawar, Coordinators of the Department of Biotechnology and Microbiology, conducted a parent-teacher meeting for second- and third-year students on 31st August 2024 at Patanjali Auditorium. Teachers provided an

third-year students on 31st August 2024 at Patanjali Auditorium. Teachers provided an overview of students' academic performance, classroom behaviour, and participation levels. Information about available support resources, including library and laboratory facilities counselling and extracurricular activities was also shared

facilities, counselling, and extracurricular activities, was also shared.

A parent-teacher meeting for first-year Biotechnology and Microbiology students was held separately on 31st August 2024 at Patanjali Auditorium. The primary objectives of this meeting were to introduce parents to the faculty and classroom environment, discuss specific routines and requirements for first-year students, and provide an opportunity for parents to express any concerns or questions.

An industrial visit for second- and third-year Biotechnology and Microbiology students was conducted from 12th to 14th December 2024. Students visited Govind Greenhouse, Talegaon, Pune; Nutrigien Agrotech, Mundhawa, Pune; Madhusagar Honey Manufacturing, Mahabaleshwar; Regional Wheat Rust Research Station, Mahabaleshwar; and Mapro Factory and Food Park, Shendurjane, Wai. A total of 60 students and four faculty members participated in the visit.

Two alumni visited the department and delivered talks to enrich the academic experiences of their juniors. Dr. Rucha Kulkarni delivered a talk titled 'Navigating through the World of Biotechnology: A Journey from a Bachelor's to Postdoctoral Research' on 18th January 2025. Dr. Subhash Khatri guided students on the topic "Morning vs. Evening Exercise: The Role of Diurnal Modulation in Skeletal Muscle Mitochondrial Function" on 4th February 2025.

On 18th January 2024, Dr. Meghana Joshi, former Head of the Department of Biotechnology and Microbiology, conducted a career guidance lecture for third-year students.

The department organized a unique fest, 'Svatv: Celebrating the Success of the GenomeIndia Project,' to commemorate its first milestone—the completion of sequencing ten thousand Indian genomes by Indian scientists.

This academic event featured posters, models, a street play, and lectures by eminent speakers and was held on 25th, 27th, and 28th February 2025, in celebration of National Science Day. The event was organized in collaboration with VPM's College of Engineering and was highly appreciated. A total of 60 student volunteers, along with department staff, contributed to the success of the event.

As part of the fest, Dr. Jayashree Pawar and Dr. Kalpita Mulye conducted a special orientation session on 24th January 2024 titled 'The GenomeIndia Project Awareness Campaign.' On 25th February 2025, Dr. K. Thangraja, Joint National Coordinator of the GenomeIndia Project, and Dr. Punit Prasad, an investigator in the GenomeIndia Project, delivered insightful talks. The fest concluded on 28th February 2025 with a valedictory address by Dr. Archana Krishnan, Director of BioGenomics.

Additionally, multiple one-on-one meetings between faculty and parents, as well as with students in need, were conducted. Various innovative assessment techniques and unique learning activities were planned and implemented to enhance students' learning experiences.

Dr. Jayashree Pawar Coordinator, Biotechnology

Dr. Kalpita Mulye Coordinator, Microbiology



The Event of The Genome India Project Awareness Campaign.' On 25th February 2025

Botany

The department of Botany offers B.Sc., M.Sc. (By Research) and Ph.D. programmes since 1969. Currently teaching staff of department involve five members from diverse fields of specialization such as fungi, pathology, environmental botany, plant physiology, cytogenetics, and plant biotechnology. Department also has support staff of four non-teaching members. Like every year, Department successfully organized a series of academic, cultural, field-based and research activities aimed at holistic development of students. The following is a comprehensive report on these events:

- **Upgradation of NEP Syllabi:** The Department had taken necessary steps in implementing the National Education Policy (NEP) 2020 by advancing interdisciplinary learning, research and skill development. The syllabi of plant sciences are upgraded as per new credit framework by incorporating skill enhancement courses (SECs) and field projects (FP). TYBSc Botany syllabus framing is in process in this year.
- **Bridge Practical for FYBSc Students:** To strengthen foundational knowledge, a bridge practical session was conducted for First-Year BSc students on 28/06/2024. This session aimed to bridge the gap between theoretical knowledge and practical applications.
- Parent-Teacher Meeting: A parent-teacher meeting was conducted on 9/12/2024 for parents of SYBSc-TYBSc Students and on 15/01/2025 for parents of FYBSc Students. These meetings facilitate communication between faculty and parents. Discussions included NEP credit framework, student's academic progress, performance and future career opportunities.
- Club Activities: In first term, the 'Srishti Club' of Botany Department was inaugurated by organizing an exhibition showcasing various wild vegetables on 04/09/2024. The event emphasized the nutritional and ecological importance of lesser-known plant species. Similarly, a short-film screening on "Biodiversity Conservation" was organized under Curiosity Club to raise awareness about sustainable practices. The film highlighted the significance of preserving natural habitats and species. During second term, Palvi Fest was a cultural extravaganza celebrating art, music and fun games. Students actively participated in various activities like quiz, puzzles, performances and exhibitions.
- Celebration of Gopalkala with Traditional Probiotic Food: On the day of 26/8/2024, the festival of Gopalkala was celebrated with an emphasis on traditional probiotic foods. The event highlighted the health benefits of these indigenous food preparations.
- **Field Visit:** A visit to the Regional Agricultural Research Station at Karjat was arranged on 28/08/2024 which provided SYBSc-TYBSc students with exposure to ongoing research in crop development and sustainable farming practices. Visit to Agricultural Produce Market Committee (APMC) Market, Vashi and Koparkhairane Nursery, New Mumbai (23/09/2024, 16/11/2024) helped FYBSc students to gain first-hand knowledge about agricultural trade, market dynamics and plant nursery management. Another visit on 18/01/2025 at Pandit Jawaharlal Nehru Van Udyan, Nashik was an interesting experience. It is an ecological park emphasizing afforestation and conservation efforts. A Jain Mandir of Shree Dharmachakra Prabhav Tirth was a spiritual site showcasing ancient architectural brilliance. Kalaram Mandir, Nashik was also historically significant temple, offering insights into cultural and religious heritage.

- National Conference: Department of Botany has a tradition of organizing conference which provides excellent platform for academic churning. This year department hosted a Two-Day National Conference on "Ecopulse: Monitoring Beats of Ecosystem" on 14/02/2025 to 15/02/2025 in collaboration with Thane Municipal Corporation (TMC). Experts from various fields presented research findings, fostering academic discourse on environmental conservation.
- **First and Second Pre-Conference Workshops:** Two pre-conference workshops were conducted prior to the National Conference on 'Ecopulse: Monitoring Beats of Ecosystem' on 28/11/2024 and 25/1/2025 respectively. These workshops provided insights into research methodologies and ecosystem monitoring techniques.
- Research Activities: Department of Botany is continuously engaging in insightful research initiatives involving UG and Ph.D. students. Faculty and students presented their innovations in both Avishkar Research Convention 2024 and in National conference on 'Ecopulse: Monitoring Beats of Ecosystem'. Following are the details of research paper presented and published by the staff and students in year 2024-25.

No.	Name of the Book/ Book R	Research	Research Pa	per Presented	
	Teacher	Chapter Published	Paper Published	UG Students	Ph.D. Students
1.	Prof. V.M. Jamdhade		03	11	03
2.	Dr. Urmila Kumavat	02 (Book Chapters)	01 (Single)	05	77
3.	Dr. Swarupa Agnihotri	01 (Book)		04	
4.	Dr.Jayshri Jagtap	06 (Book Chapters)		02	

These all events significantly contributed to student's academic enrichment, cultural understanding and research exposure. The department remains committed to fostering holistic education through such initiatives.

Prof. V.M.Jamdhade Head Department of Botany



Ms. Mrunali Patil, TYBSc Botany received First Prize in Poem Recitation competition organized under Nehru Uva Utsav 2024

Chemistry

The academic year 2024-25 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. 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 SY B.Sc and MSc-II syllabi underwent designed and modifications by the National Education Policy (NEP) under various six vertical 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 , 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.

Following activities carried out by the department:

• Program/Events related to Implementation of National Education Policy-2020

Sr. No.	Program/Event	Collaboration	Date	Male	Female	No. of Attendee
1.	Parents-Teacher Meeting		05/09/2024	05	16	21
2.	CO-PO mapping	(#)	09/10/2024	07	02	09
3.	SYBSc- TYBSc NEP Syllabus Frame-working, Implementation For 2024-25 and 2025-26	验集	02/01/2025	07	02	09

• Other Departmental Activity (Bridge Course, Guest Lecture, Workshop, Club activity, Conference, Colloquium lecture, etc.)

Sr. No.	Event/ Activity	In Collaboration with	Date	Male	Female	Total Participants
1	Dr. Vidula Pendhurkar (Colloquium lecture)	Clinovision	23/08/2024	06	70	76
2	Career guidance session with TYBSc Students	NA	24/06/2024 to 26/06/2024	16	17	33
3	Lab Safety Session with SYBSc Students	NA	12/07/2024	10	20	30
4	Career guidance session with SYBSc Students	NA	27/06/2024	07	19	26
5	Lab Safety Session with TYBSc Students	NA	18/07/2024	13	20	33
6	Parents-Teacher Meeting (TYBSc+SYBSc)	NA	05/09/2024	05	16	21
7	Wachan Sankalp Maharshtracha	Govt. of Maharashtra	07/01/2025	31	43	74
8	Book Review Competition	Govt.of Maharashtra	16/01/2025	08	06	14
9	Research Induction Program on "Systematic Enquiry on Scientific Research"	NA	09/12/2024 - 14/12/2024	32	47	69

Alumni Activity

Sr. No.	Event	Collaboration/ Alumni involved	Date	Male	Female	Total Participants
1.	Alumni interaction with current student	Mr. Prakash Mali	06/08/2024	16	20	36
2.	Alumni interaction with current student	Mr. Tejas Kadam	02/08/2024	13	20	33
3.	Alumni interaction with current student	Ms. Sneha Tiwari	01/02/2025	14	21	35
4.	Alumni interaction with current student	Ms. Lakshmi Parmar	01/02/2025	14	21	35
5.	Alumni interaction with current student	Mr. Ajinkya Tapsale	01/02/2025	14	21	35

• Patents published/ granted to members of staff:

Sr. No.	Name of the Staff	Details (Title)	Status (Published/Granted)	Patent No.	Date of Issue
1.	Dr. A. S. Goswami- Giri	Laboratory equipment for a Sensor Based on Chemical reaction monitoring device.	Design patent Granted (International design patent)	6418674	06/02/2025
2.	Dr. A. S. Goswami- Giri	Thermogravimetric analyzer (for the measurement of thermal stability of materials)	Design patent Granted	410425- 001	06/06/2024
3.	Mr. Jaidip Wable	1,2,3-Triazolyl-Pyrazolone compounds as therapeutic active agents.	Granted	561029	24/02/2025

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

No.	Name	Title of book/ chapter/ research paper	Journal/book/publisher/volu me/issue pg.no.	Year
		Books/Book Chapt	er	
1.	Dr. A. S. Goswami- Giri	Chemistry in cosmetics	Himalaya Publishing House	2024
		Research Papers		
1.	Dr. A. N. Bhumkar, Dr. P. S. Wagh, Dr. S. S. Kahandal	Thermophysical study for Binary mixtures of Dimethylcarbonate with Anisole, Butyl vinyl ether, Diisopropyl ether and Dibutyl ether at 303.15, 308.15 and 313.15 K	Research Journal of Chemistry and Environment Vol. 28 (11) November, Page No- 25-36. (2024),	2024
2.	Dr. S. S. Kahandal	A new protocol for the one-por synthesis of α- aminophosphonates using\hydroxyapatite- supported palladium as a solid and reusable catalyst	Bulletin of the Chemical Society of Japan, 97, page No. 1-5, May 2024, uoae052	2024

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	3.	Dr. S. S. Kahandal	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 Science, Page No- 1-13, May (2024) 136:40	2024
	4.	Dr. P. S. Wagh, Dr. A. N. Bhumkar	Molecular Interactions Studiesbetween Methyl Methacrylate with Heptane, Decane, Dodecane, or Tridecane Using Thermodynamics and Thermoacoustic Parameters	Russian Journal of Physical Chemistry, September 2024, Volume 98, pages 2028–2040, (2024)	2024
	5.	Pradnya Golipkar, Pralhad Wagh	Comprehensive Soil Analysis for Sustainable Agriculture	JBNB, Volume 13, Page No. 92-94, 2025	2025
	6.	Shivam Nevrekar, Mrunali Chavan, Akanksha Borse,, Sanskruti Jadhav, Moiz Khan, Nikhil Dange, Pralhad Wagh	Development of Antimicrobial Biodegradable Bandages	JBNB, Volume 13, Page No. 89-91, 2025	2025
	7.	Mr. Jaidip Wable, Mr. Hrishikesh Labhade,	Design, Synthesis, Structural Analysis, And Microbial Activity of New 1,2,4-Triazol- 3-One-Based Heterocyclic Derivatives	African Journal of Biomedical research, Page No- 1839-1865, Vol. 28 No. 1S (2025)	2025
	8.	Mr. Jaidip Wable	SYNTHESIS, CHARACTERIZATION AND ANTIMICROBIAL EVALUATION OF CHROMONE ANCHORED 1,2,3-TRIAZOLE DERIVATIVES	Heterocyclic letters, vol 15, No- 1, 133-139, Nov- Jan 2025.	2025
	9.	Mr. Jaidip Wable	Synthesis and Antimicrobial Evaluation of (E)-2-(4-((4-((1-(2,4-Dichlorophenyl)-3-methyl-5-oxo-1,5-dihydro-4H-pyrazol-4-ylidene)methyl)-2-methoxyphenoxy)-methyl)-1H-1,2,3-triazol-1-yl)-N-phenylacetamide Derivatives	Russian Journal of Bio- Organic Chemistry, Feb 2025, Volume 51, pages 151–159, (2025)	2025

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)	10.	Mr. Jaidip Wable, Hrishikesh S. Labhade Synthesis and Biologica Applications of 1,2,4- Triazoles: A Review			JBNB, Volume 13, Page No. 53 to 69, 2025	2025	
1	11.	Dr. R. C. Patil	C. Aqueous extract of CAP-a A greener benchmark for Suzuki- Miyaura coupling reaction palladium catalyzed ligand free condition		Journal of Molecular Structure, Volume 1321, Part 5, February 2025, 140160	2024	
		•	Paper Pres	entatio	n		
	1.	Dr. Anita Goswami-Giri		Nation on ECC Ecosys	al conference,14 & 15 Feb2025 D-PULSE: Monitoring beats of tem, at VPMs B N Bandodkar e of science (Autonomous),	2025	
	2.	Dr. Anita Goswami-Giri Goswami-		on ECo Ecosys	tional conference, 14 & 15 Feb2025 ECO-PULSE: Monitoring beats of osystem, at VPMs B N Bandodkar llege of science (Autonomous), ane		
	3.	Dr. Anita Goswami-Giri	Green chemistry applications in sustainable agriculture for papaya farming.	and the second in the figure of the second s		2025	
	4.	Dr. Anita Goswami-Giri	Synthesis and characterization of nanoparticles derived from Sterulia Foeidida alkaloids.	on EC0 Ecosys	al conference, 14 & 15 Feb2025 D-PULSE: Monitoring beats of tem, at VPMs B N Bandodkar e of science (Autonomous),	2025	
	5.	Dr. A. N. Bhumkar, Gauri Patole	Dr. A. N. Bhumkar, Synthesis of Ag-Doped National conference, 14 & 1 Gauri Patole ZnO2 nanoparticles on ECO-PULSE: Monitoring		al conference, 14 & 15 Feb2025 D-PULSE: Monitoring beats of tem, at VPMs B N Bandodkar e of science (Autonomous),	2025	
	6.	Miller recognisis (1997) College and September 1990 and September 1990 and 1990	Synthesis of Iron Oxide nanoparticles using Ammonium Hydroxide	on ECO-PULSE: Monitoring beats		2025	
	7.	Dr P S Wagh	Isolation and Evaluation of piperine from black pepper & white pepper	on ECC Ecosys	al conference, 14 & 15 Feb2025 D-PULSE: Monitoring beats of tem, at VPMs B N Bandodkar e of science (Autonomous),	2025	

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)		Dr. Anita Goswami-Giri	Synthesis and characterization of nanoparticles derived from Sterulia Foeidida alkaloids.	National conference, 14 & 15 Feb2025 on ECO-PULSE: Monitoring beats of Ecosystem, at VPMs B N Bandodkar College of science (Autonomous), Thane	2025
		Dr. A. N. Bhumkar, Gauri Patole	Synthesis of Ag-Doped ZnO2 nanoparticles using lemon juice	National conference,14 & 15 Feb2025 on ECO-PULSE: Monitoring beats of Ecosystem, at VPMs B N Bandodkar College of science (Autonomous), Thane	2025
	6.	Dr. A. N. Bhumkar, Sonal Malgankar	Synthesis of Iron Oxide nanoparticles using Ammonium Hydroxide	National conference, 14 & 15 Feb 2025 on ECO-PULSE: Monitoring beats of Ecosystem, at VPMs B N Bandodkar College of science (Autonomous), Thane	2025
	7.	Dr P S Wagh	Isolation and Evaluation of piperine from black pepper & white pepper	National conference, 14 & 15 Feb2025 on ECO-PULSE: Monitoring beats of Ecosystem, at VPMs B N Bandodkar College of science (Autonomous), Thane	2025
	8	Dr P S Wagh	Isolate and synthesis flavonoids such as quercetin and kaempferol from plant source like berry leaves	National conference,14 & 15 Feb2025 on ECO-PULSE: Monitoring beats of Ecosystem, at VPMs B N Bandodkar College of science (Autonomous), Thane	2025
	9	Dr P S Wagh	Green synthesis of silver nanoparticles using neem leaves and tulsi leaves	National conference, 14 & 15 Feb2025 on ECO-PULSE: Monitoring beats of Ecosystem, at VPMs B N Bandodkar College of science (Autonomous), Thane	2025
	10	Dr. S. S. Kahandal	Synthesis of zinc oxide using Aloe vera extract, a green approach	National conference, 14 & 15 Feb2025 on ECO-PULSE: Monitoring beats of Ecosystem, at VPMs B N Bandodkar College of science (Autonomous), Thane	2025
	11	Dr. S. S. Kahandal	Sustainable bioplastic film development from Banana peel and Corn starch	National conference, 14 & 15 Feb2025 on ECO-PULSE: Monitoring beats of Ecosystem, at VPMs B N Bandodkar College of science (Autonomous), Thane	2025
	12	Dr. S. S. Kahandal	Emerging role of ICT in Chemical Sciences	International conference, on Emerging trends in Engineering and Sciences (ICETES 2025) Online 07 & 08th Feb2025 at Jawahar Society's Institute of Technology, Management and Research Nashik, Maharashtra India.	2025

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13.	Mr. Jaidip Wable	Chalcone anchored aryl acetamide 1,2,3- triazoles: Synthesis and antibacterial properties by using Click chemistry	National conference on "Current advancements in material Science and Green Chemistry (CAMSGC-2025)" (Secured second rank in Oral presentation)	2025
14.	Mr. Jaidip Wable	Drafting of Graphical abstract of Organic synthesis by using AL tool.	Multidisciplinary national conference on AI	2024
15.	Dr. R. C. Patil	Preparation of Graphical abstract of Chemical reaction by using AL	Multidisciplinary national conference on AI	2024
16.	Dr. R. C. Patil	Pd(OAc)2 in WEPA:A	National conference on eco pulse: monitoring beats of Ecosystem	2025
17.	Dr. R. C. Patil	Aqueous extract of CAP-ash: A greener benchmark for Suzuki-Miyaura reaction in palladium catalysed ligand free condition.	National conference on sustainable development and Scientific synergies for the future	2025
18.	Dr. R. C. Patil	Revisit to Henry reaction by non- convential heterogeneous and efficient catalyst for nitroalcohol sysnthesis.	International conference on science and technology for sustainable development	2025
19.	Dr. R. C. Patil	Ash of pomegranate peels (APP): A bio waste heterogeneous catalyst for sustainable synthesis of α α' Bis(substituted benzylidene) cycloalkanones.	National e-conference on Innovations sustainability and future growth in Science and technology.	2025
		Poster Pres	entation	
1.	Dr. Anita Goswami-Giri, Harshada Raut, Anushka Kurhade, Jagruti Bansode,	Chemical pillars of an Indian Artillery system	National conference,14 & 15 Feb2025 on ECO-PULSE: Monitoring beats of Ecosystem, at VPMs B N Bandodkar College of science (Autonomous), Thane	2025
2.	Dr. Anita Goswami-Giri Pragya Dubey	Green Synthesis of copolymers for Biomaterials in Bone repair and regeneration	National conference,14 & 15 Feb2025 on ECO-PULSE: Monitoring beats of Ecosystem, at VPMs B N Bandodkar College of science (Autonomous), Thane	2025

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• Individual Teacher Activity- (FDP/Workshop/Seminar/Conference/Training Attended)

Sr. No.	Name of the Faculty	FDP/Workshop/Seminar/Conference/Training attended	Date
1.	Dr. A.S. Goswami-Giri	Mapping and Attainment of COs and POs	20/09/2024
2.	Dr. A.S.Goswami-Giri	Workshop for "Subject Teachers for Orienting towards NEP 2020 Compliant Syllabus and Curriculum through Board of Studies"	27/09/2024
3.	Dr. A.N.Bhumkar	Workshop for "Subject Teachers for Orienting towards NEP 2020 Compliant Syllabus and Curriculum through Board of Studies"	27/09/2024
4.	Dr. A.N. Bhumkar	Mapping and Attainment of COs and Pos	20/09/2024
5.	Dr. P.S. Wagh	Workshop for "Subject Teachers for Orienting towards NEP 2020 Compliant Syllabus and Curriculum through Board of Studies"	27/09/2024
6.	Dr. P.S. Wagh	Mapping and Attainment of COs and Pos	20/09/2024
7.	Dr. S.S. Kahandal	Two Days National Conference on material science and chemistry	04/10/2024- 05/10/2024
8.	Dr. S.S. Kahandal	Mapping and Attainment of COs and Pos	20/09/2024
9.	Dr. S.S. Kahandal	A Two-Day Workshop on Qualitative and Quantitative X-Ray Diffraction Data Analysis using Rietveld Refinement.	25/09/2024- 26/09/2024
10.	Dr. S.S. Kahandal	Workshop for "Subject Teachers for Orienting towards NEP 2020 Compliant Syllabus and Curriculum through Board of Studies"	27/09/2024
11.	Mr. H.S.Labhade	Mapping and Attainment of COs and Pos	20/09/2024
12.	Mr. H.S. Labhade	Workshop for "Subject Teachers for Orienting towards NEP 2020 Compliant Syllabus and Curriculum through Board of Studies"	27/09/2024
13.	Mr. J.B.Wable	Mapping and Attainment of COs and Pos	20/09/2024
14.	Mr. J. B. Wable	Workshop for "Subject Teachers for Orienting towards NEP 2020 Compliant Syllabus and Curriculum through Board of Studies"	27/09/2024
15.	Mr. R.D.Bachhav	Mapping and Attainment of COs and Pos	20/09/2024
16.	Mr. R. D. Bachhav	Workshop for "Subject Teachers for Orienting towards NEP 2020 Compliant Syllabus and Curriculum through Board of Studies"	27/09/2024
17.	Dr. R.C. Patil	Mapping and Attainment of COs and Pos	20/09/2024
18.	Dr. R. C. Patil	Workshop for "Subject Teachers for Orienting towards NEP 2020 Compliant Syllabus and Curriculum through Board of Studies"	27/09/2024
19.	Ms. S.S. Lad	Workshop for "Subject Teachers for Orienting towards NEP 2020 Compliant Syllabus and Curriculum through Board of Studies"	27/09/2024

• List of Projects done by the students and also presented in Avishkar and conference

Sr. No.	Name of the students	Department / Class	Topic Name project carried out by the students	Under the guidance of	Level	Year
1.	Dubey Pragya Dinesh	SYBSc	Synthesis of copolymers for biomaterials used to repair bone.	Dr. A. S. Goswami- Giri	UG	2024
2.	Nevrekar Shivam Vaibhav	TYBSc	Development of biodegradable antimicrobial bandages	Dr. P. S. Wagh	UG	2024
3.	Shinde Rakhi Ravikant	TYBSc	Ash of pomegranates peels for cycloalkanones and tetralones synthesis.	Dr. R. C. Patil	UG	2024
4.	Shinde Shreyash Naresh	TYBSc			UG	2024
5.	Kokate Kiran Popat	TYBSc	Comprehensive soil	Dr. P.S. Wagh	UG	2024
6.	Golipkar Pradnya Kashinath	TYBSc	analysis for sustainable agriculture.		UG	2024
7.	Gaikwa Sawariya Ananda	TYBSc			UG	2024
8.	Yadav Arti Omprakash	MSc-II	Isolation and evalution of pipiridine from black pepper and white pepper.	Dr. P.S.Wagh	PG	2024
9.	Mishra Jaya Rakesh	MSc-II	Synthesis and characterization of Nanoparticles derived from Sterculia Foetida alkaloids.	Dr. A. S. Goswami- Giri	PG	2024
10.	Magar Ruchita Santosh	MSc-II	The development of banana peel/corn starch bioplastic film.	Dr. S. S. Kahandal	PG	2024
11.	Malgaonkar Sonal Arun	MSc-II	Synthesis of iron oxides nanoparticles using ammonium hydroxide.	Dr. A. N. Bhumkar	PG	2024
12.	Gaikwad Neha Govind	MSc-II	Aegle mermelos fruit ash as a catalyst For the synthesis of N- Benzyliden eaniline.	Dr. S. S. Kahandal	PG	2024
13.	Mulla Hujefa Hamid	MSc-II	Green synthesis of nanoparticle s using neem and tulsi leaves.	Dr. P.S. Wagh	PG	2024

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14.	Patole Gauri Shashikant	MSc-II	Synthesis of silver- doped zinc oxide nanoparticle s using lemon juice.	Dr. A.N. Bhumkar	PG	2024
15.	Ms. Iram Siddiqui	MSc-II	Isolate and Synthesis of flavonoides such as quercetine plant source like berry leaves.	Dr. Pralhad Wagh	PG	2024

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

Sr. No.	Name	Department	Achievement
1.	Dr Anita Goswami- Giri	(.*E)	Chair session (Oral Presentation) for National conference on ECO-PULSE: Monitoring beats of ecosystem held on 14-15 Feb 2025
2.	Dr Pralhad Wagh		

• Noteworthy Achievements by students: At International/ National/ State/ District/ Intercollegiate/ Other Level:

Sr. no.	Name	Class	International/ National/ State/ District/ Intercollegiate	Achievement
1.	Neha Pawar	T.Y.B.Sc.	2000 110 100 100 100 100 100 100 100 100	I st place in powerlifting competition (Association) National level and selected for all India powerlifting competition.

• Industrial Training/ Internship by students:

Sr.	Name	Class	Internship/Training place	Date
No.				
1.	Nikhil Dinesh Pandey	MSc-I	Shubham Speciality product Pvt. Ltd.	03/02/2025
2.	Lakshmi Parmar	MSc-I	Khardikar Classes, Thane	27/01/2025
3.	Halsangi Farhat Jahan	MSc-I	Saint International Junior College Of	06/02/2025
4.	Mohd Mustafa Raziya Begum	MSc-I	Science, TMC, Thane	06/02/2025
5.	Lakshmi Parmar	MSc-I Saint International Junior College Of Science, TMC, Thane		06/02/2025
6.	Viraj Shelke			06/02/2025
7.	Sahil More	MSc-I	Saint International Junior College Of Science, TMC, Thane	06/02/2025
8.	Ajinkya Tapsale MSc-I Saint International Junior College Of Science, TMC, Thane		06/02/2025	
9.	Makrand Takke	MSc-I	Saint International Junior College Of Science, TMC, Thane	06/02/2025

30%	

10.	Deep Sunidhi Gautam Reena	MSc-I	Saint International Junior College Of Science, TMC, Thane	06/02/2025
11.	Andhale Aarti Dattu	MSc-I	Saint International Junior College Of Science, TMC, Thane	06/02/2025
12.	12. Shaikh Nida Bano MSc-I Saint International Junior College Of Science, TMC, Thane		06/02/2025	
13.	Nikhil Dinesh Pandey	MSc-I	Saint International Junior College Of Science, TMC, Thane	06/02/2025
14.	Aarti Yadav	MSc-II	Saint International Junior College Of Science, TMC, Thane	06/02/2025
15.	Siddiqui Iram Esrar Nishad	MSc-II	Saint International Junior College Of Science, TMC, Thane	06/02/2025
16.	Gauri Patole	MSc-II	Saint International Junior College Of Science, TMC, Thane	06/02/2025
		Saint International Junior College Of Science, TMC, Thane	06/02/2025	
18.	Hujefa Mulla	MSc-II	Saint International Junior College Of Science, TMC, Thane	06/02/2025
19.	Jaya Mishra	MSc-II	Saint International Junior College Of Science, TMC, Thane	06/02/2025
20.	Ruchita Magar	MSc-II	Saint International Junior College Of Science, TMC, Thane	06/02/2025
21.	Neha Gaikwad	MSc-II	Saint International Junior College Of Science, TMC, Thane	06/02/2025
22.	Shreyas Mistry	T Y BSc	Acmegrade Internship in Hybrid Electric Vehicles	9th April 2024 to 9th May 2024
23.	Mrunali Mangesh Chavan	T Y BSc	Acmegrade Internship in Hybrid Electric Vehicles	9th April 2024 to 9th May 2024

• Details of Study Tour/ Field Visit/ Industrial Visit:

Sr. No.	Field Visit /I.V/ Study tour	Details/ Remarks/ Highlights of visit	Date	Male	Female	Total Participants
1	Visit to ICT Matunga	Students get to know ideas about career in chemistry	03/10/2024	19	30	49
2	Visit to Mahabaleshwar (Mapro and Cheese factory)	Students get to know ideas about career in chemistry	05/02/2025 - 07/02/2025		25	42
3.		Awareness about Industry trends	17/02/2025	11	15	26

• Certificate Course run by Department of Chemistry:

Sr. No.	Name of Certificate Course	No. of Enrolled Students	Start Date	End Date
1.	Instrumentation and Preparation of Standard Solution	89	2 nd Jan 20025	28th March 2025
2.	IPR for the Beginners	84	27 th Feb 2025	16 th April 2025

The main attraction "Chemophilic": A Festival with a Green Approach! On the occasion of Science day -28/02/2025

The event featured:

• Poster Presentations – Showcasing innovative ideas

There were different subjective scientific posters prepared by students. They showed their scientific and social approach.

• Working Models - Bringing chemistry concepts to life

Different models were prepared and presented by students. Such as P orbitals , FCC, BCC

- Andhshraddha Nirmulan Busting myths with scientific reasoning How to overcome superstition, that was very nicely demonstrated by students.
- Movie-Making Challenge Encouraging creative storytelling with a scientific touch

Three minutes Movie was nicely presented by students.

• Treasure Hunt & ChemGame – Fun-filled learning experiences Student enjoyed this activity.

We were delighted to welcome students from Saraswati School, who actively participated and explored the wonders of chemistry!

The students gain valuable soft skills and personal development through volunteering, exhibiting innovative thinking, and actively participating in teamwork activities like treasure hunts and games.

These experiences can be incredibly beneficial for their personal growth and future endeavors.

Dr. Anita S. Goswami – Giri Professor and Head Department Of Chemistry



Visit to Mapro Factory

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

The Department of Environmental Science (EVS) and the Department of Biodiversity, Wildlife Conservation and Management (BWCM) strive to equip students with specialized knowledge and practical skills essential for their academic and professional growth. The academic year 2024-25 began with implementation of NEP 2020 for M.Sc. Semester III and IV (EVS and BWCM). Throughout the academic year, the departments organized a range of activities, including guest lectures, workshops, research initiatives, and field visits, promoting environmental awareness and biodiversity conservation.

Workshop/ Career Guidance Lecture / Guest Lectures and Other Initiatives:

The departments actively conducted workshops, competitions, awareness quizzes, interactive sessions, and guest lectures to engage participants in various educational and environmental initiatives.

Sr. No.	Date	Name of the Activity	Resource Person
1	03/09/2024	Workshop on "Eco-friendly Ganesh Idol making" in collaboration with NSS Unit	Dr. Urmila Kumavat Asst. Prof., Dept. of Botany, BNB
2	09/09/2024	Online lecture on "Public Awareness and Education on Air Quality Management" in collaboration with BNB Green Club on account of International Day of Clean Air for Blue Skies	Ms. Asba Ansari Asst. Prof., Dept. of Environmental Science, BNB
3	01/10/2024	Slogan and poster competition on "Air Pollution Mitigation" in collaboration with Thane Municipal Corporation	252
4	4 17/02/2025 An Interactive Session on "Adaptations in Mangroves & Importance of Mangrove Forest in Maintaining Biodiversity" in collaboration with Godrej Mangroves and WWF India		Ms. Shambhavi Chavan Magical Mangrove Ambassador, WWF India
5	22/02/2025	Career guidance lecture on "From Lab to Leadership: Careers in Science"	Ms. Komal Gaikwad Project Manager, Pune Knowledge Cluster

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6	21/03/2025	Into the Wild: A Forest Awareness Quiz on account of International Day of Forests	9 7 78
7	22/03/2025	Think Blue: Water Awareness Quiz on the occasion of World Water Day	# <u></u>

Alumni Lectures:

Interaction with meritorious alumni allowed the students to explore career prospects from abroad institutions. Mr. Ashish Sawai completed his B.Sc. in Botany and Masters in EVS (2023) from BNB. He is now currently pursuing his doctoral research from Southwest University, China. Ashish conducted an interactive session and e-tour of the university campus. He also provided valuable insights into the application process for specialization programs at foreign universities.

Field Visits/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 visit to provide students a practical experience. Similarly, outdoor classroom sessions were also conducted frequently in the garden and campus area.

Sr. No.	Date	Place	Students participated
1	24/09/2024	Field Trail on "Butterfly Bliss- A Field Trail Guide to watching and identifying butterflies" on account of Big Butterfly Month (September)	T.Y.B.Sc.
2	26/07/2024	Field Trail at VPM's Campus on account of World Mangrove Day	M.Sc. EVS
3	03/03/2025	Field Visit to "Veermata Jijabai Bhosale Botanical Udyan and Zoo Mumbai" on account of World Wildlife Day	T.Y.B.Sc. and M.Sc. EVS and BWCM
4	30/09/2024	Visit to Maharashtra Nature Park Society (MNPS), Sion, Mumbai	T.Y.B.Sc. and M.Sc. EVS and BWCM
5	19/11/2024	Visit to Common Effluent Treatment Plant, Navi Mumbai	M.Sc. EVS

6	14/02/2025	Dapoli Study Tour	M.Sc. EVS and
	to		BWCM
	17/02/2025		

Prakruti club:

Prakruti 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 Prakruti club:

Sr. No.	Date	Name of the Activity	
1	16/01/2025	Guest Lecture on "Snake Awareness & Interview of Wild Animal Rescuers"	
2	11/02/2025 & 25/02/2025	Workshop on "The Art of Resin: Pour and Create"	

Staff Achievements/Participation:

- Ms. Asba Ansari, Mr. Aditya Mhatre and Ms. Saloni Sheth Published design patent "Indoor Farm Mirror for Sunlight Management"
- Ms. Asba Ansari, Mr. Aditya Mhatre and Ms. Saloni Sheth Completed UGC sponsored online Short-Term Course in "Ecology & Environmental Sciences" organized by UGC- Malaviya Mission Teacher Training Centre (MMTTC), (Formerly UGC-HRDC) Maulana Azad National Urdu University, Hyderabad with 'A' Grade.
- Ms. Asba Ansari and Mr. Aditya Mhatre Invited as External Audit Member and Resource Person at Rizvi College of Arts, Science and Commerce, Bandra
- Mr. Aditya Mhatre Qualified MU-PET 2024
- Ms. Saloni Sheth won 1st Prize in Oral Presentation at National Conference on "Protecting Wetlands for Our Common Future" organized by Paryavaran Dakshata Mandal in collaboration with University of Mumbai, Kalina on 1st February, 2025

Research Paper Presentation/Published by Staff Member:

Sr. No.	Name of the Faculty	No. of paper Presented in Conference/Seminar	No. of Paper Published
1.	Dr. Urmila Kumavat	-	01- Research paper published
2.	Mr. Aditya Mhatre	04	04- Research paper published
3.	Ms. Asba Ansari	10	03- Research paper published
4.	Ms. Saloni Sheth	03	-

Students Participation:

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

Sr. No.	Date	Name of the Activity	Venue	Students participated
	8/06/2024 - 30/06/2024	Naturalist Training Program by iNaturewatch Foundation	Hybrid	M.Sc. II BWCM
	24/07/2024	National Conference on Mangroves, Biodiversity and Environment Conservation, organized MD college of Arts, Science & Commerce in collaboration with WII, Maha-MTB, Mangrove and Marine Conservation Foundation of Maharashtra and Veermata Jijabai Bhosale Botanical Garden and Zoo, Mumbai	Penguin Auditorium, Veermata Jijabai Bhosale Botanical Garden and Zoo, Byculla (E), Mumbai	Presented and Published Research Paper M.Sc. II EVS & BWCM
	16/08/2024 - 18/08/2024	Training at Phansad Herp Count, organized by Green Works Trust	Phansad WLS	M.Sc. II BWCM
	August 2024	Virtual internship at Birdwing Publisher	Online	M.Sc. II BWCM
	01/02/2025	National Conference on "Protecting Wetlands for Our Common Future" organized by Paryavaran Dakshata Mandal in collaboration with University of Mumbai	Nanotechnology Research Centre and Auditorium, Mumbai University, Kalina Campus	Attended and Presented Research Paper M.Sc. I &II EVS & BWCM
	14/02/2025 - 15/02/2025	National Conference on "Eco Pulse: Monitoring Beats of Ecosystem" in collaboration with Thane Municipal Corporation	Patanjali Auditorium, B. N. Bandodkar College, Thane (W)	Attended and Presented Research Paper M.Sc. I &II EVS & BWCM
	January to March, 2025	Four Online free certificate courses offered by Maharashtra Youth for Climate Action (MYCA) with UNICEF	Online	M.Sc. I &II EVS & BWCM

Students Achievements:

- Shaikh Namra, Ansari Mehwish & Sayyed Aisha from M.Sc. II EVS secured 1st prize in poster presentation at National Conference on "Protecting Wetlands for Our Common Future".
- Ms. Pooja Kumavat and Mr. Sachin Deshpande from M.Sc. II EVS secured $1^{\rm st}$ and $3^{\rm rd}$ prize respectively at National Conference on "Protecting Wetlands for Our Common Future".

- Ms. Shambhavi Chavan from M.Sc. II BWCM secured 1st prize in Butterfly Race organized by Naturalist Explorers in collaboration with BBM, Sanctuary Asia, WWF
- Ms. Shambhavi Chavan M.Sc. II BWCM Appointed as a Magical Mangrove Ambassador, WWF India.

Prospects for EVS and BWCM Department include a more hands-on approach, focusing sustainable practices via more collaborations, MoUs with institutes \mathcal{E} industries, new certificate courses, funded research projects and consultancy services.

Dr. Urmila Kumavat Coordinator Department of EVS & BWCM



Study tour - Visit to Kaju Factory, Dapoli



Visit to Maharashtra Nature Park, Sion

Human Science & Clinical Psychology

The Department of Human Science at V.P.M.'s B.N. Bandodkar College of Science (Autonomous), Thane, organized a series of enriching activities and events during the academic year 2024-2025, aimed at fostering academic growth, practical learning, and cultural awareness among students. The year commenced with a career guidance session on Nutritional Science on 18th July 2024, providing students with insights into career opportunities in the field of nutrition and dietetics. This was followed by the Freshers' Day for FYBSc Human Science students on 30th July 2024 and for M.Sc. Clinical Psychology on 6th September 2024, where newcomers were welcomed with fun-filled activities and interactive sessions. On 10th August 2024, the department, in collaboration with the NSS unit of Shrikant, arranged a movie screening to promote community engagement and entertainment. Elephant Day was celebrated on 12th August 2024, raising awareness about elephant conservation and their ecological significance.

As part of the IQAC committee's initiatives, a monthly food activity was conducted, where students brought culturally significant food items and learned about their nutritional facts, blending cultural awareness with health education. The department also organized an orientation program titled "What After 12th?" to guide students on career options and academic pathways after completing their higher secondary education. To enhance practical learning, an industrial visit to the Parle Factory in Ambernath was arranged on 4th September 2024, where students gained insights into production processes and industrial management. M.Sc.students celebrated Teacher's day on 5th september 2025 with great zeal. A career guidance session in law was conducted on 13th September 2024, followed by a visit to TJSB Bank, Thane, on 19th September 2024, where students learned about banking operations and financial management.

The department also emphasized environmental and biodiversity awareness through a visit to Sanjay Gandhi National Park, Borivali, on 21st September 2024, where students observed a wide range of flora and fauna. On 24th September 2024, students visited a special school to interact with differently-abled children and understand the role of psychology in special education. Additionally, a butterfly identification activity was conducted on the college campus on the same day, followed by a visit to an exhibition on the Indus Valley Civilization, providing students with insights into ancient history and archaeology. A career guidance session on digital marketing was held on 7th December 2024, highlighting career opportunities in the digital space.

As a part of the curriculum, a three-day excursion to Nashik-Saputara was organized from 23rd to 25th January 2025 for FYBSc and SYBSc Human Science students, where they explored the cultural, historical, and natural heritage of the region. for M.Sc. Clinical Psychology students two day excursion to Pune was organized on 7th to 8th February 2025. The departmental club SOHAM organized the MERAKI Fest on 24th February 2025, featuring various activities such as guest lectures, workshops, games, and talent shows. TYBSc Human Science students participated in a seven-day excursion to Gujarat, where they experienced the region's flora, fauna, industries, and cultural heritage. The year concluded with a Visit to The Yoga Institute, Santacruz on 18th March2025 and one-day excursion to the Chhatrapati Shivaji Maharaj Vastu Sangrahalaya (CSMT Museum) in Mumbai on 25th March 2025 for an archaeological and historical exploration.

These activities reflect the department's commitment to providing a well-rounded education, fostering practical knowledge, and promoting cultural and environmental awareness among students.

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





Information Technology and Computer Science

Traditional Nutritious Food Habit for Enhancement of Health

On Friday, 23rd August 2024, the Departments of Information Technology, Computer Science, and Data Science at VPM's B. N. Bandodkar College of Science (Autonomous), Thane, organized an activity titled "Traditional Nutritious Food Habit for Enhancement of Health" as part of the Shravan Month celebration. The event was conducted offline in the classrooms of the respective departments. The activity was coordinated by Mr. Abhijeet A. Kale, Head of the Department, and saw the participation of teaching and non-teaching staff along with students from FYIT, SYIT, TYIT, FYCS, SYCS, TYCS, and Data Science streams. A traditional and healthy food mixture comprising chickpeas, jaggery, lemon, and coriander was distributed among the participants to promote awareness about nutrient-rich, organic traditional diets. The event focused on highlighting the importance of nutrient-dense, unaltered, and organic foods. Students learned about the health benefits of real fats and proteins and the value of consuming local and seasonal foods. These traditional eating habits support overall well-being and are often more beneficial than modern, processed alternatives. A total of 399 participants took part in the activity, including 390 students and 9 faculty members, making it a highly collaborative and educational initiative aimed at promoting healthy lifestyle choices through traditional food knowledge.

Credit Course on Artificial Intelligence

A credit course titled "Artificial Intelligence" from 4th to 21st November 2024 was organized in a hybrid format, combining both online and offline sessions. The course was designed to equip students with a foundational understanding of Artificial Intelligence (AI) and its real-world applications. The sessions were conducted by Mr. Abhijeet Kale, Head of Department, and Mr. Tejas Jadhav, Professor, both from VPM's B. N. Bandodkar College of Science. A total of 110 students from various departments, along with 2 faculty members, participated in the program. During the course, students gained in-depth knowledge of AI fundamentals, including machine learning, deep learning, neural networks, intelligent systems, search algorithms, and decision-making models. The program significantly enhanced the participants' understanding of modern AI techniques and empowered them to explore innovative solutions to complex problems using AI tools and methodologies.

Credit Course on Computer Skills

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The Department of Information Technology, Computer Science, and Data Science at VPM's B. N. Bandodkar College of Science (Autonomous), Thane, successfully conducted a credit course titled "Computer Skills" from 4th to 14th November 2024 in a hybrid mode (both online and offline). The course aimed to provide students with essential computer knowledge and practical skills required for personal, academic, and professional growth. The sessions were conducted by Mr. Abhijeet Kale, Head of Department, and Mr. Tejas Jadhav, Professor, both from VPM's B. N. Bandodkar College of Science. A total of 269 students, divided into three batches, participated in the course along with 2 faculty members. Through this program, students gained hands-on experience with various digital tools, including MS Office, graphic design software, and programming languages. They also developed foundational skills in

coding, data analysis, and digital literacy, enhancing their employability across multiple industries. One of the most notable outcomes of the course was the increased confidence among students in using computers and other digital platforms effectively.

Credit Course on Machine Learning

Between 4th and 21st November 2024, the IT, CS, and Data Science departments conducted a credit course on Machine Learning in hybrid format, offering both online and offline sessions. This program aimed to introduce students to fundamental ML concepts, key algorithms, and hands-on techniques relevant across various sectors. The course was delivered by Mr. Abhijeet Kale, Head of Department, and Mr. Tejas Jadhav, Professor, who guided learners through both theoretical frameworks and practical implementations. Students were split into two batches, ensuring effective engagement and support throughout the sessions.Participants gained exposure to real-world ML applications across industries such as healthcare, finance, and ecommerce. They developed working knowledge in tools like Python, Scikit-learn, TensorFlow, and PyTorch, and learned to build and deploy machine learning models from scratch. The course saw active participation from 129 students and 2 faculty members, marking a successful initiative to equip learners with the skills needed to navigate the evolving landscape of intelligent technologies.

Credit Course on Virtualization

From 4th to 21st November 2024, a credit course on Machine Learning was conducted in hybrid mode by the departments of IT, CS, and Data Science. Mr. Abhijeet Kale and Mr. Tejas Jadhav led the sessions, covering core ML concepts, tools like Python, TensorFlow, and Scikit-learn, and practical model deployment. Students explored applications in healthcare, finance, and e-commerce. The course had 129 participants divided into two batches, including 2 faculty members.

Parents-Teachers Meeting

On 1st February 2025, a Parent-Teacher Meeting and Semester I Grade Card Distribution for F.Y. B.Sc. IT and CS students was conducted at the Patanjali Auditorium. Organized by the departments of Information Technology and Computer Science, the event was led by Mr. Abhijeet A. Kale, department in-charge. The primary goal was to share academic performance updates, discuss students' overall development, and encourage open dialogue between parents and faculty. A total of 96 attendees participated, comprising 95 parents and 1 faculty member. The meeting helped foster stronger parent-teacher relationships, ensuring better academic and emotional support for students.

QHF Cyber Security

On 15th July 2024, two impactful events on Cyber Security were organized to educate and empower students and staff on cyber threats and preventive strategies. The initiatives were a collaboration between the departments of IT, CS, and Data Science in association with the Quick Heal Foundation and the Thane Cyber Police. The morning session, titled "Cyber Security Seminar", was conducted by the Quick Heal team along with Mr. Warke from Thane Cyber Police. It aimed to raise awareness about digital threats and strengthen security practices among attendees. The session emphasized how human error is often the weakest link in security and highlighted the need for structured awareness training. It saw active participation from 198 students and 3

faculty members, totaling 201 participants. In the evening, an exclusive Orientation and Training session was held for 30 selected student volunteers who were officially inducted as "Cyber Warriors" under the guidance of Mr. Yogesh Shetye from Quick Heal Foundation and Mr. Tejas Jadhav. This session focused on deeper technical understanding and community engagement, preparing these students to act as cyber awareness ambassadors both on and off campus. Both programs successfully enhanced cyber awareness, encouraged secure computing practices, and laid the groundwork for student-led digital safety initiatives.

Apart from this multiple activities were performed by the department:-

Sr. No.	Date	Degree / Junior College	Class
1.	07-08-2024	Inter-College Cyber Security Awareness Competitions	students engaged in an impactful campaign to raise awareness about cyber crimes.
2.	08-08-2024	Bandodkar's Quick Heal Club Installation by Quick Heal Foundation	Objectives of the event were to announce President, Secretary, PR Media Secretary and Community Director of QHF Bandodkar College.
3.	15-08-2024	Thane commissioner office "Independence day" Cyber Crime Awareness	empowering individuals and organizations with knowledge and tools to protect their digital freedom, by raising awareness of common cyber threats
4	03-09-2024	Poster competition	Raising Awareness, Highlighting the importance of cyber safety, cyber hygiene, and the risks of cyber threats.
5	04-09-2024	भव्य-दिव्य सायबर रॅली	Promoting awareness on the importance of safeguarding personal and organizational data.
6	25-09-2024	Street play	Spreading Awareness By performing street plays.

Mr. Abhijeet Kale Head, Department of IT & CS



Mathematics

Activities conducted under Mathematics Club "Siddhant" during academic year 2024-25:

- 1.Guidance Session on Career abroad after B.Sc Mathematics was conducted on 23/08/2024 by the department of Mathematics. Alumni of Mathematics department, Ms. Riddhi Kumavat was invited to deliver a talk on the various opportunities available at United Kingdom. Ms Riddhi Kumavat did her post-graduation studies from University of France. During her guidance session Riddhi Kumavat talked about the entire plan of education abroad, the minimum eligibility criterion along with the obstacles that may come across during the process of admission and how to overcome those problems were discussed thoroughly. All TYBSc Mathematics students attended the lecture with enthusiasm.
- 2. Career guidance session on "My Career My Life" conducted by the department of Mathematics on 03/09/2024 to understand the importance of knowing the right direction to choose the career wisely. Mrs. Mrunal Patgaonkar, Transformative Educator and Informative Coach, was invited to deliver a talk. The session conducted was very much lively and it helps students to understand the journey of life and to balance Career with passion without compromising with any one of them.
- 3. National Mathematics day is celebrated every year in the memory of great Indian Mathematician Srinivasa Ramanujan on his birth anniversary. Department of Mathematics celebrated National Mathematics Day on December 21, 2024. Students from SYBSc and TYBSc Mathematics talked about the life stories of Ramanujan and also discussed about the contribution of Ramanujan in the field of Mathematics.
- 4.Department of mathematics in collaboration with Department of Physics and Department of Statistics conducted Field Visit at BITS Pilani, Goa campus from 06/02/2025 to 08/02/2025. Seven faculty members along with thirty four students visited Mathematics and Physics Deaprtment of BITS Pilani, Goa. Department of Mathematics, BITS Pilani conducted two sessions for the students. The entire information about the department was given by the teachers of Mathematics Department. Entrance examination and the admission process of Goa campus was thoroughly explained to the students. Visit to the Department of Physics along with the visit to the entire campus was an overwhelming experience to the students.
- 5. Mathlete is an every year activity conducted by TYBSc mathematics students. On March 1, 2025, the students came up with the various activities and the huge participation with enthusiasm was seen during the program. Seventy Nine students participated actively in the various activities such as Photography, Meme Making, Treasure Hunt, Puzzle game, Mind Maze. Centre of attraction of Mathlete was the competition "Mr. and Ms Mathelete". The participants are required to show their talents with the quick response answering all sorts of mathematical problems.

Mrs. Minal Wankhede Head of Mathematics Department

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Physics

An academic year 2024-2025 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.

Activity: I

Event Name: Parents-Teachers Meeting

Date: 10/08/2024

It all began on August 10, 2024, a Parents-Teachers Meeting was conducted for the S.Y. B. Sc and T.Y.B.Sc. students. Both parents and teachers came up with a shared understanding of specific goals for the child's academic progress and behavioural development. Also, concrete strategies and action plans for addressing any academic or behavioural issues were outlined, including how parents can support these efforts at home. It was suggested to create parents WhatsApp group to communicate regarding performance and attendance of individual students.

Activity: II

Event Name: Vachan Sankalpa Maharashtra-Cha

Date: 09/01/2025

Dr. Sangita Meshram had addressed and encouraged F.Y., S.Y. and T.Y. B.Sc. students about the habit of reading books. The "Vachan Sankalp Maharashtra" initiative is a state-wide program aimed at promoting the habit of reading among the citizens of Maharashtra, particularly focusing on encouraging reading among students, teachers, and the general public. The initiative is part of the Maharashtra government's efforts to improve literacy rates, foster a reading culture, and increase awareness of the importance of reading for personal development, educational growth, and cultural enrichment.

The Principal Prof. Vinda Manjramkar addressed the students by saying that reading is not just an academic requirement it's an investment in oneself. Whether for pleasure, learning, or personal growth, reading can open up endless possibilities for students and enrich their lives in countless ways.

By fostering a culture of reading, the Physics department helps students realize the immense benefits that come from cultivating this habit early on in their educational journey.

Activity: III

Event Name: Guest Lecture-"Career Opportunities for Physics Graduates" Date: 23/01/2025

On 23rd January 2025, the Physics Department organised a guest lecture by Dr. Anshul Gupta, a renowned physicist, a science communicator and faculty of physics at K. J. Somaiya College of Science and Commerce, on the topic of "Career Opportunities for Physics Graduates". The lecture was aimed to provide valuable insights to students pursuing a degree in physics about the various career pathways available to them, both in academia and industry.

The lecture was well-attended by students, faculty, and staff, and it served as an excellent platform for discussing the diverse opportunities in the field of physics beyond traditional academic roles.

Activity: IV

Event Name: Industrial Visit at Sahyadri Farm Nashik

Date: 01/02/2025

On 01st February 2025, our F.Y., S.Y. and T.Y. B.Sc. students visited Sahyadri Farm Company, a prominent agricultural organization known for its integrated farming solutions and emphasis on quality produce. The company is a leading example of successful farmer collaboration, modern technology adoption, and sustainable agricultural practices. The purpose of the visit was to understand the company's operations, learn about the farming processes, packaging foods and biproducts, and to observe how modern farming techniques are implemented at an industrial scale. The company has implemented a range of eco-friendly initiatives, including solar energy generation, biogas production, and micro-algae-based water treatment systems. In year 2023-24 alone, Sahyadri generated over 1,098 MWh of solar power and 374,200 kWh from biogas, reducing its carbon footprint significantly. These initiatives reflect Sahyadri's dedication to environmental stewardship, ensuring that its growth is aligned with long-term sustainability goals. Our students Observe how Sahyadri Farms promotes sustainable farming practices, including organic farming, minimizing the use of harmful chemicals, and implementing eco-friendly solutions that preserve soil health and the environment. Our students gained knowledge about innovative technologies and tools being utilized in agriculture, such as the use of drones, sensors, and automation in monitoring crop health and optimizing resources. They also understand the Agri-business and Entrepreneurship including market analysis, branding, partnerships with local farmers, and scaling operations to meet consumer demand.

Activity: V

Event Name: Guest lecture- "Career Opportunities in AI & ML (Artificial Intelligence and Machine Learning)".

Date: 04/02/2025

This Guest lecture was based on the diverse career options available in AI & ML, such as data scientist, AI engineer, machine learning researcher, and AI consultant. Mr. Gaurang Tawde, Asst. Professor at A. P. Shah Institute of Technology, Thane. He had explained the basic concepts of AI (Artificial Intelligence) and ML (Machine Learning), their differences, and how they complement each other. AI refers to creating systems capable of performing tasks that would usually require human intelligence, while ML is a subset of AI focused on training systems using data. He had discussed the different types of machine learning: supervised learning, unsupervised learning, semi-supervised learning, and reinforcement learning. He had shared examples of real-world applications for each type. Mr. Tawde had highlighted essential tools and frameworks used in the field of AI and ML, such as TensorFlow, Keras, PyTorch, and Google Cloud in deploying AI/ML models. He also covered the practical applications of AI & ML across various industries, such as: Healthcare, Finance, Retail, Automotive.

Activity: VI

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Event Name: Industrial Visit at BIT's Pilani, Goa

Date: 06/02/2025 to 08/02/2025

Mr. Krishnan Paul, laboratory In-charge, Physics Departments, BIT'S Pilani, Goa, has demonstrated experiments in quantum mechanics, optics, and electronics which helped students in sparking their curiosity and deepening their interest in physics. Students were informed about different career paths and perks available to them in IITs and BIT's Pilani Institutes. Students got motivated to pursue higher education in Physics due to experiment cum demonstrations of advance experiments.

Activity: VII

Event Name: Physics Carnival -GENESIS-X {2024-25}

Date: 27/02/2025 & 28/02/2025

The Physics Carnival (GENESIS-X) Physics Fest was held on February 27th & 28th, 2025, under the Photon Club, showcased student talents and deepened their understanding of physics concepts through various competitions and events. By providing participative activities and hands-on experiences, the department has empowered students to excel academically and pursue their passion for physics with enthusiasm and confidence. A lecture by Dr. N. M. Ashok was indeed a very much informative. He explained about all the processes happening over above the earth, inside the universe. The lecture had also left attendees with a sense of awe and wonder about the vastness and complexity of the universe. It might spark a deeper understanding of our place within it, inspiring a sense of interconnectedness with the cosmos. The guest lecture, physics expo, and quiz would aim to expand students' knowledge of physics beyond the classroom, fostering a deeper understanding of the subject. The physics carnival activity was increased the students Engagement, Improved Confidence, Networking Opportunities, Inspiration for Future Studies.

Activity: VIII

Event Name: Certificate course on "Introduction to Astronomy and Astrophysics" Date: 09/12/2024 to 04/01/2025

The Certificate Course on Astronomy and Astrophysics was conducted by Mr. Ashish Koli, an experienced expertise in Astrophysics, from 09/12/2024 to 04/01/2025. The course was designed to provide participants with a comprehensive understanding of astronomy and astrophysics, focusing on both theoretical concepts and practical applications in the field. Throughout the course, Mr. Ashish Koli shared his expertise and passion for the universe, offering students the opportunity to explore the fascinating realms of celestial mechanics, stellar evolution, cosmology, and more.

Dr. Sangita S. Meshram Head, Department of Physics









Statistics

Academic year 2024-25 started with a joining of three new faculties, Mrs. Mohini P. Kulkarni (HoD), Mr. Tukaram V. Navghare and Mr. Abhishek Bandivadekar in the month of July 2024. An introductory lecture was organised with the students to build good rapport with them. We, as a team worked hard to get aligned with the system, lecture pattern and workload.

Departmental Events and activities

- To introduce students the opportunities available for studying abroad, Our department organised a guest lecture on the topic "Popular destinations for studying abroad among Indian Students". A very insightful lecture was delivered by Mr. Shyam Chetwani from Azent Overseas Education Pvt. Ltd. On '4rt September, 2024. Students were introduced to the eligibility for higher studies in for Indian these countries, process of application for such courses and skill requirements.
- Head and secretary for the Departmental club named "Sankhya" was selected through interview and inauguration of Sankhya club was organised on 23rd September, 2024 in Patanjali. An informative talk by Prof. Ganesh Phad, Head, Statistics Department, MVPS'S KRT Arts, BH Commerce and AM Science College, Nashik, was delivered on the topic "Statistics: Applications and Opportunities" on the occasion of the inauguration.
- In the beginning of the sem. II, a guidance lecture was conducted by Prof. Mohini Kulkarni to sensitize F.Y. students about the NEP syllabus and the course structure.
- Department organised an orientation lecture to help students to understand the importance of acquiring skills needed for working in industry. In view of this, on 23rd November 2024, a lecture on the topic "Bridging the gap between the academia and industry", was delivered by Mr. Rahul Dharashivkar, Mr. Pandurang Ranjalkar and Ms. Vrushali Ranjalkar, in Patanjali auditorium.
- Department started a **certificate course in "Digital transformation** "in collaboration with **Drishti software**, Thane. The company includes the professional trainers from industry like Oracle Software, and Cap Gemine.
- Total 32 students were enrolled for the course which includes 16 students from Statistics, 4 students from Microbiology,7 students from Information Technology,1 student each from Human Science and Biotechnology and 3 students from Biochemistry department. The course was conducted in offline mode (45 hrs.) which included hands on training on cloud computing, case studies and Exploratory Data Analysis and other industry skills. Certificates were distributed to the participants on 22nd March 2025.
- Certificate course in R software was conducted from 10th January to 30th January, 2025. Total 12 students were enrolled for the course.
- Parent's meeting was organised for F.Y., S.Y. and T.Y. students to interact with the parents
- To inculcate reading hobbits in students the department organised "Book Reading competition" and Book review competition for all the students in the college from 11th to 17th January. Total 14 students participated in the competition who expressed their opinion on the book they read based on "Legendary personalities in India".
- Dr. Vimukta Raje from Joshi Bedeker College of Arts and Commerce honoured the event as a judge.

Study Visits by the Department

- A Study visit and excursion to Dr. Balaseheb Sawant Konkan Krishi Vidyapeeth Dapoli, was arranged for S.Y. Statistics students from 24th to 26th January 2025 with the department of Zoology.
- Campus Visit to Agriculture College, Goa and BITS Pilani, Goa to make students learn statistical applications in agricultural field experiments. Also, in BITS, Goa, they briefed the students about various future opportunities after the bachelor's degree at BITS, Pilani. The visit was organised with the department of Mathematics and Physics from 6th to 8th February 2025
- As a part of R software course, a study visit of the participant students with 2 faculties was organised to the Department of Applied Mathematics, Institute of Chemical Technology, (ICT) Matunga. Students were introduced to the advanced applications of R software by the experts of ICT, Dr. Bhowmik and Dr, Ajit Kumar. Prof. Abhishek Bandivadekar conducted the visit with 13 students.

Accolades of the Department

- Dr. Tukaram V. Navghare defended his Ph. D. viva and is awarded Ph.D. degree in Statistics from Swami Ramanand Teerth University, Nanded on 3rd March 2025.
- Total 5 teams of Students participated in **Avishkar- 2024-25** competition. 2 students Rohit Bhor and Anuja Shirke from S.Y.B.Sc., and project entitled **"Predictive Modelling for Crop Yields: Trends and Insights."** were selected for University round of the competition. Ms. Mohini Kulkarni and Dr. Tukaram Navghare guided the students to prepare for the competition.
- Dr. Tukaram V. Navghare presented a research article in International Conference on Recent Trend in Mathematics and Statistics on 7th to 8th February 2025 organised by School of Mathematical Sciences, Kavayitri Bahinabai North Maharashtra University, Jalgaon.
- Total 4 research article published by Ms. Mohini Kulkarni, Dr. Tukaram Navghare and S.Y.BSc., students in JBNB: A Multidisciplinary Journal.
- Total 4 posters were presented by S.Y.B.Sc., students in "National Conference on Eco Pulse: Monitoring Beats of Eco system" organised by Department of Botany, B. N. Bandodkar College of Science (Autonomous), Thane on 14th -15th February 2025.

Department Fest

Inferentia- an intercollegiate departmental fest was organised by the students on 25th February 2025. Ms. Geetanjali Chiplunkar, Asst. Prof. in Dept. of Economics from Sheth NKTT College, Thane, delivered an informative talk on "Technology and Statistics "at the inauguration of the fest. Theme of the fest , this year was , Technostats- Tech ki duniya, Stats ka Sahara" Students organised 6 exciting competitions and in all 108 students from degree and junior college participated in the event.

With the cooperation of all the faculties and respected principal madam, we could complete all the academic and extracurricular activities successfully.

Mrs. Mohini Kulkarni Head, Department of Statistics



Zoology

Introduction

The Zoology Department has had a remarkable academic year filled with various activities, field visits, excursions, credit courses, and departmental events. This report highlights the key initiatives and achievements of the department for the academic year 2024-25.

Peer-to-Peer Career Guidance

Career guidance sessions were conducted by **Shraddha Kharat and Shrushti Yadav** to provide insights into various career opportunities in zoology and related fields. These sessions focused on higher studies, research opportunities, and industry-oriented career paths, benefiting students at different academic levels. Bird watching and identification in college campus was guided by SYBSc students to FYBSc students in two sessions which was wonderful and informative.

Departmental Activities

The department actively participated in several awareness and educational programs:

- World Wildlife Day: Celebrated to raise awareness about wildlife conservation and biodiversity.
- **Mangroves Day:** Highlighted the importance of mangrove ecosystems in protecting coastal biodiversity.
- **Elephant Day:** Focused on elephant conservation and the threats faced by elephant populations worldwide.
- **Animal face mask making competition** was also arranged and many students participated and explored their creative talent.
- **Animal Handling (Shark Dissection):** Provided hands-on experience in marine biology, emphasizing dissection techniques and anatomical studies.

Credit Courses

A specialized credit course on **"Fish Dishes"** was introduced, where students learned about the culinary and nutritional aspects of various fish species.

Field Vigits

Students were taken on multiple field visits to enhance their practical knowledge and fieldwork skills:

- **Phansad Wildlife Sanctuary** Exploration of the rich biodiversity of the sanctuary.
- **Bird Visit 1 (FY):** Organized as a peer-to-peer career guidance initiative.
- Bird Visit 2 (FY): Another peer-to-peer career guidance activity focusing on birdwatching.
- Butterfly Campus Visit (FY, SY & TY): A study on butterfly species within the college campus.
- Bird Visit 3 (FY) (Byculla Zoo): Observational visit to study bird species at Byculla Zoo.
- **Fish market visit:** This was organized in Thane local fish market for TYBSc students as a part of Fishery Biology.

Excursions

Excursions were organized to expose students to diverse ecological landscapes:

- Excursion 1 (Dapoli): Coastal and marine biodiversity exploration as well as animal husbandry.
- Excursion 2 (Gujarat): Study of wildlife reserves and marine ecosystems including site seeing.
- Excursion 3 (Byculla Zoo): Observation of exotic and native wildlife species and their behaviour.



Parents-Teacher Meetings

The department conducted parent-teacher meetings offline in college to discuss students progress and address academiconcerns of all TYBSc, SYBSc and FYBSc.

Zoology Club Fest - Zoomagica (Herpeton)

The department successfully organized **Zoomagica (Herpeton)**, a fest dedicated to the world of reptiles and amphibians. The event included expert talks, interactive sessions, and awareness campaigns about the conservation of these species.

In conclusion, the Zoology Department had an eventful year filled with academic, co-curricular, and extracurricular activities. These initiatives have significantly contributed to the holistic development of students, fostering their interest in zoology and wildlife conservation. Looking ahead, the department aims to introduce more innovative programs and activities.

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





ग्रंथालय

ग्रंथालयात आजिमतीला एकूण 33836 पुस्तके पद्वी महाविद्यालयाची , 5145 किनष्ट महाविद्यालयाची, 4188 पुस्तके पुस्तक पेढी योजने अंतर्गत अशी एकूण ४3169 पुस्तके उपलब्ध आहेत. तसेच १४ मासिके , १२ राष्ट्रीय व १० आंतरराष्ट्रीय वैज्ञानिक नियतकालिके अवांतर वाचकासाठी उपलब्ध आहेत. २०२४-२०२५ या शैक्षणिक वर्षात 658 पुस्तके खरेदी केली.

महाविद्यालयातील प्रथम वर्ष विज्ञान शाखेच्या विद्यार्थ्यांना ग्रंथालयात उपलब्ध असलेल्या स्रोताबद्दल ओळख होण्याच्या दृष्टीने ग्रंथालय उद्घोधन सत्र ३ सप्टेंबर ते ६ सप्टेंबर २०२४ 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. नवीन शैक्षणिक धोरणाच्या दृष्टीने ग्रंथालयात उपलब्ध विविध संग्रहाची ओळख विद्यार्थ्यांना करून देण्यात आली. 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.

"साहित्याच्या माध्यमातून पुरुष वर्गाने केलेला स्त्रीशक्तीचा जागर"

ग्रंथालय विभागातर्फे शारदीय नवरात्रोत्सवानिमित्त आयोजित "साहित्याच्या माध्यमातून पुरुष वर्गाने केलेला स्त्रीशक्तीचा जागर" हा उपक्रम ३ ऑक्टोबर २०२४ to ११ ऑक्टोबर २०२४ या कालावधीत आयोजित करण्यात आला होता. पुरुष लेखकांनी स्त्रियांवर लिहिलेल्या पुस्तकांचे प्रदर्शन व त्या पुस्तकाचा परिचय नवरात्रीचे औचित्य साधून प्रदर्शित करण्यात आला होता. ३ ऑक्टोबर २०२४ रोजी कोल्हाटयाचं पोर, ४ ऑक्टोबर २०२४ रोजी सन २०१७: ओळख कर्तुत्ववान महिलांची; ५ ऑक्टोबर २०२४ रोजी इंदिरा: अंतिम पर्व; ६ ऑक्टोबर २०२४ रोजी अनुभवाची शिदोरी:आमची माई; ७ ऑक्टोबर २०२४ रोजी क्रांतीज्योती सावित्रीबाई फुले; ८ ऑक्टोबर २०२४ रोजी कर्तुत्ववान स्त्रियांची यशोगाथा; ९ ऑक्टोबर २०२४ रोजी कर्तित्वान स्त्रियांची यशोगाथा; ९ ऑक्टोबर २०२४ रोजी Kalpana Chawala: A Complete Biography; १० ऑक्टोबर २०२४ रोजी लोकमाता अहिल्याबाई आणि ११ ऑक्टोबर २०२४ रोजी Lata Mangeshkar: A Life in Music इत्यादी पुस्तके प्रदर्शित करण्यात आली होती. या प्रदर्शनाला १५० विद्यार्थ्यांनी सहभाग नोंदवला.

मराठी भाषा संवर्धन पंधरवडा यानिमित्ताने ग्रंथालय विभागातर्फे २८ जानेवारी २०२५ रोजी मराठीतील विविध संदर्भ ग्रंथांचे प्रदर्शन भरविण्यात आले होते. मराठी भाषा गौरव दिना निमित्त २७ फेब्रुवारी २०२५ रोजी मराठीतील विविध वाचनसंग्रहाची ओळख करून देण्यासाठी पुस्तकाचे प्रदर्शन, मराठी संत साहित्ये ,कवी कुसुमाग्रज यांचे साहित्ये तसेच नुकत्याच पार पडलेल्या ९८ व्या मराठी अखिल भारतीय मराठी साहित्ये संमेलनाच्या बातम्या आणि लेखांचे प्रदर्शन भरविण्यात आले होते.ग्रंथपाल सौ.कादंबरी मांजरेकर यांनी प्रदर्शनाची सविस्तर माहिती दिली.२८ फेब्रुवारी २०२५ रोजी राष्ट्रीय विज्ञान दिना निमित्त जगप्रसिद्ध वैज्ञानिकांचे पुस्तकांचे तसेच विज्ञानातील महत्वाचे संदर्भ ग्रंथांचे प्रदर्शन ग्रंथालय विभागातर्फे आयोजित करण्यात आले होते. तसेच २०२५ हे वर्ष युनायटेड नेशन्स तर्फे "International Year Quantum mechanics" म्हणून घोषित करण्यात आले आहे. त्यानिमित्ताने Quantum physics, quantum chemistry या विषयांवर माहिती प्रदर्शित करण्यात आली होती.

सामाजिक बांधिलकी जपत ग्रंथालय विभाग व कुसुमाग्रज प्रतिष्ठान, नाशिक संयोजित माझे ग्रंथालय ग्रंथपेटी अदलाबदलाचे २ कार्यक्रम संपन्न झाले.

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 (२ फेब्रुवारी) , यशवंतराव चव्हाण जयंती (१२ मार्च) आदी थोर व्यक्तींवर आधारित माहिती प्रदर्शन आयोजित करण्यात आले होते.

वाचन संकल्प महाराष्ट्राचा अहवाल १ जानेवारी ते १५ जानेवारी २०२५

वाचन संस्कृती समृद्ध करण्याच्या दृष्टीने महाराष्ट्र शासनाच्या वाचन संकल्प महाराष्ट्राचा या मोहिमे अंतर्गत विद्या प्रसारक मंडळाच्या बा ना बांदोडकर स्वायत्त विज्ञान महाविद्यालय, ठाणे येथे दिनांक १ जानेवारी ते १५ जानेवारी २०२५ या कालावधीत वाचन संकल्प महाराष्ट्राचा या उपक्रम अंतर्गत विविध कार्यक्रमांचे आयोजन करण्यात आले होते.

वाचन संकल्प पंधरवड्यादरम्यान आयोजित उपक्रम:

- 1.सामूहिक वाचन दिनांक १ जानेवारी २०२५ रोजी ग्रंथालयात ग्रंथालयात सामूहिक वाचन उपक्रम राबविण्यात आला. या उपक्रमाच्या उदघाटन प्रसंगी प्रभारी प्राचार्य डॉ विंदा मांजरामकर यांनी वाचनाचे महत्व सांगितले. त्यानंतर ग्रंथपाल कादंबरी मांजरेकर यांनी वाचन अभिरुची विकसित कशी करता येईल याबद्दल मार्गदर्शन केले.
- 2. ग्रंथ दिंडी कार्यक्रम : ४ जानेवारी २०२५ रोजी, ग्रंथ दिंडी ही पारंपारिक मिरवणूक म्हणून आयोजित करण्यात आली होती ज्याचा उद्देश साहित्यिक संस्कृतीचा उत्सव साजरा करणे आणि त्याचा प्रचार करणे होता. या कार्यक्रमात ९० हून अधिक विद्यार्थी आणि कर्मचारी सहभागी झाले होते, ज्यांनी महाविद्यालयीन परिसर आणि त्याच्या आसपासच्या परिसरातून जाणाऱ्या मार्गात सिक्रयपणे भाग घेतला. सहभागी विद्यार्थ्यांनी समर्थ रामदास स्वामींचे मनाचे श्लोक याचे वाचन या दिंडीच्या माध्यमातून केले.
- 3. **पुस्तक प्रदर्शन**: केंद्रीय ग्रंथालयाने १ जानेवारी ते १५ जानेवारी २०२५ या १५ दिवसांच्या कालावधीत १५ विविध विषयांवर ग्रंथालयात पुस्तक प्रदर्शन आयोजित केले होते, ज्यामध्ये काळजीपूर्वक निवडलेल्या प्रेरक आणि प्रेरणादायी साहित्याचे प्रदर्शन केले गेले होते.

4. साहित्यिक स्पर्धा:

- अ. अभिवाचन स्पर्धा ११ जानेवारी २०२५ रोजी सांख्यिकी विभागातर्फे पुस्तक अभिवाचन स्पर्धेचे आयोजन करण्यात आले होते. या स्पर्धेत ३९ विद्यार्थ्यांचा सहभाग आहे. या स्पर्धेचे मूल्यांकन वाचन आणि उच्चारांची स्पष्टता, अभिव्यक्ती, प्रभावी वेळेचे व्यवस्थापन आणि सादर केलेल्या सामग्रीची व्यापक समज या निकषांवर करण्यात आले. जोशी बेडेकर कला आणि वाणिज्य महाविद्यालयाच्या प्रा. डॉ. विमुक्ता राजे या स्पर्धेच्या परीक्षक होत्या.
- ब. पुस्तक परीक्षण स्पर्धा वैयक्तिक विभाग पातळीवर पुस्तक परीक्षण स्पर्धा आयोजित करण्यात आली होती आणि या स्पर्धेत ११६ विद्यार्थ्यांनी सिक्रय सहभाग घेतला. सहभागींनी निवडलेल्या पुस्तकाचे लेखी पुनरावलोकन तयार केले, ज्यात टीकात्मक विश्लेषण, साहित्यिक घटक आणि वैयक्तिक प्रतिबिंबे यावर लक्ष केंद्रित केले गेले. पुस्तक परीक्षण स्पर्धेमध्ये विजेत्या 17 विद्यार्थ्यांना प्रशस्ती पत्रक आणि पुस्तकरूपी भेट देऊन २५ जानेवारी २०२५ रोजी गौरविण्यात आले.

1. लेखक तुमच्या भेटीला: वाचन संकल्प महाराष्ट्राचा या अभियानांतर्गत महाविद्यालयाच्या पतंजली सभागृहात ग्रंथालय विभाग व मराठी भाषा विभाग यांच्या संयुक्त विद्यमाने *लेखक तुमच्या भेटीला* हा कार्यक्रम आयोजित करण्यात आला. या कार्यक्रमासाठी उल्हासनगर कोकण मराठी साहित्य परिषदेचे अध्यक्ष व महाविद्यालयाचे सेवानिवृत्त प्रा.डॉ.प्रकाश माळी प्रमुख पाहुणे म्हणून उपस्थित होते. त्यांनी आपल्या कविता व स्वलिखित चार पुस्तकांच्या माध्यमातून विद्यार्थ्यांना वाचन संस्कृती जोपासण्याचे महत्त्व पटवून दिले आणि वाचनाची आवड निर्माण होण्यासाठी प्रेरित केले.

एकूण ७७३ विद्यार्थी आणि कर्मचारी वाचन संकल्प महाराष्ट्राचा या उपक्रमात सिक्रयपणे सहभागी झाले होते. ग्रंथ दिंडी मधील सहभागामुळे विद्यार्थी वर्गाची मराठी संस्कृतीबद्दलची ओढ प्रकर्षाने जाणवली .पुस्तक प्रदर्शनाला ४८७ विद्यार्थी आणि कर्मचाऱ्यांची उल्लेखनीय उपस्थिती होती. एकूण १५५ विद्यार्थ्यांनी पुस्तक परीक्षण आणि पुस्तक अभिवाचन स्पर्धेत भाग घेतला, ज्यामुळे त्यांचा उत्साह आणि साहित्यिक उत्कृष्टतेबद्दलची वचनबद्धता अधोरेखित झाली.

सौ. कादंबरी मांजरेकर ग्रंथपाल



वाचन संकल्प पंधरवड्यादरम्यान आयोजित ग्रंथ दिंडी कार्यक्रम



वाचन संकल्प पंधरवड्यादरम्यान आयोजित सामूहिक वाचन व पुस्तक प्रदर्शन

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.

प्रथम 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 किव श्री. किरण सोनवणे यांच्या गीतांचा कार्यक्रम सादर झाला, यामध्ये त्यांनी प्रेम किवता, समाजिक भान असणार्या किवता, नशाबंदी वरील किवता, 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 पाहण्यांच्या हस्ते सन्मानित 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 डॉ. कादंबरी मांजरेकर, रसायन शास्त्र विभाग प्रमुख,डॉ. अनिता गोस्वामी, व प्रा. बालाजी घुगे, निवृत्त प्राध्यापक, डॉ. सुदेश राठोड, डॉ. प्रकाश माळी सर, पदार्थ विज्ञान शास्त्राचे प्रा. सुनील भुसारा, तसेच राष्ट्रीय छात्र सेनेचे व राष्ट्रीय सेवा योजनेचे विद्यार्थी आणि अकरावी चे सर्व तुकडीतील विद्यार्थी हजर होते. कार्यक्रमाची सांगता प्रसायदानाने झाली.

प्रा. बिपीन धुमाळे मराठी भाषा विभाग





बा. ना. बांदोडकर विज्ञान महाविद्यालयात "हिंदी पंधरवडा" उत्साहात साजरा

बा. ना. बांदोडकर विज्ञान महाविद्यालयात हिंदी विभागामार्फत व प्राचार्या डॉ. विंदा मांजरमकर व उप प्राचार्या. सौ. सुनिता ढाकणे, पर्यवेक्षिका डॉ. संध्या पावले, हिंदी विभाग प्रमुख, प्रा.अनिल आठवले सर व शिक्षक प्रा.नानासाहेब मचे सर तसेच कॅप्टनबिपीन धुमाळे यांच्या मार्गदर्शनाने "हिंदी पंधरवडा" उत्साहात साजरा करण्यात आला. या उपक्रमांतर्गत विविध स्पर्धा आणि सांस्कृतिक कार्यक्रमांचे आयोजन करण्यात आले होते. हिंदी निबंध, चित्रकला, स्लोगन, वक्तृत्व आणि वादविवाद स्पर्धा या कार्यक्रमांचे प्रमुख आकर्षण ठरले. या स्पर्धांमध्ये सुमारे ४० विद्यार्थ्यांनी सहभाग घेतला.

स्पर्धांचे विषय सामाजिक, सांस्कृतिक आणि शैक्षणिक स्वरूपाचे होते, जसे की "महात्मा कबीर", "संसदीय लोकशाही", "अंतर्जाल अभिशाप या वरदान?" आणि "मेरे सपनों का भारत". विद्यार्थ्यांनी या विषयांवर आपल्या कल्पकतेचे आणि विचारांचे प्रभावी सादरीकरण केले.

हिंदी पंधरवड्याचा समारोप महाविद्यालयाच्या पतंजली सभागृहात उत्साहात पार पडला. या प्रसंगी प्रमुख पाहुणे म्हणून सेवानिवृत्त प्रा. डॉ. प्रकाश माळी आणि महाविद्यालयाचे माजी विद्यार्थी श्री. अवधेश यादव उपस्थित होते. विद्यार्थ्यांनी हिंदी भाषेचे महत्त्व अधोरेखित करणारे भाषण, कविता आणि सांस्कृतिक कार्यक्रम सादर केले. यामध्ये "बेटी" या नाटकाने स्त्री सुरक्षा आणि समाजातील जागरूकतेचा संदेश प्रेक्षकांपर्यंत पोहोचवला.

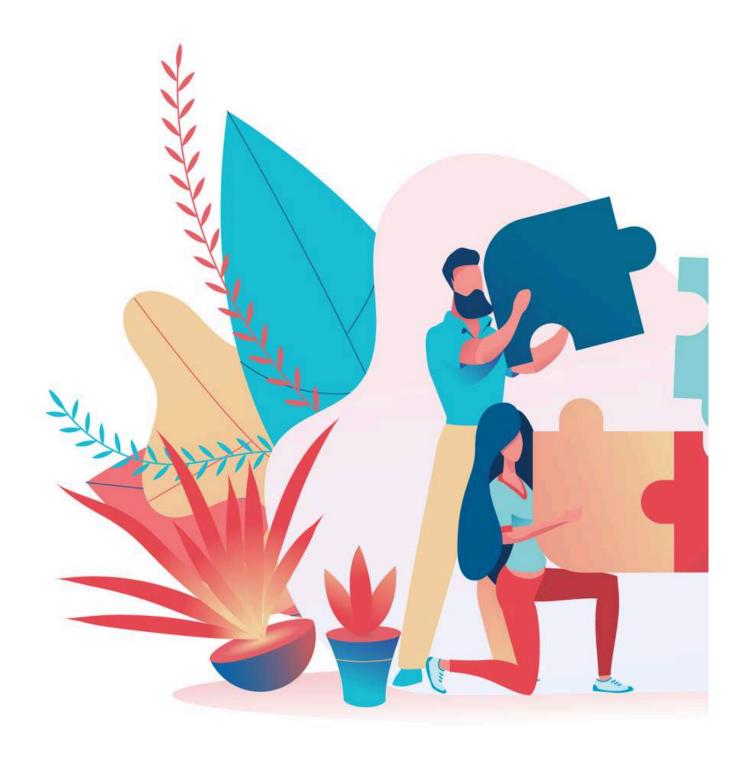
प्रमुख पाहुण्यांनी विद्यार्थ्यांमध्ये हसू, आनंद आणि प्रेरणा निर्माण केली. कार्यक्रमाचे यशस्वी संचालन तनिष्क आणि महिया यांनी केले, तर कार्यक्रमाचे प्रास्ताविक प्रा. अनिल आठवले यांनी केले. कार्यक्रमाच्या अखेरीस शेरो-शायरीच्या माध्यमातून प्रा. विनोद थोरात यांनी सर्वांचे आभार मानले आणि राष्ट्रगीताने कार्यक्रमाची सांगता झाली.

> हिंदी विभाग अध्यक्ष प्रा. अनिल आठवले



हिंदी विभाग द्वारा हिंदी दिवस का उत्सव

Committee Reports



Anubandh Alumni Association

The Anubandh Alumni Association has been at the forefront of fostering strong connections between alumni and students by organizing insightful career-oriented events. These sessions, led by distinguished alumni and industry experts, provide invaluable guidance, industry insights, and motivation for students to explore diverse career paths.

Career Opportunities in Data Analysis:

Speaker: Mrs. Sonali Pathare, Assistant Vice President, Synchrony Financial Ltd. **Date:** 22nd August 2024

Data analysis has emerged as a pivotal skill in today's business landscape. Mrs. Sonali Pathare, an esteemed alumna, delivered an enlightening session on the growing demand for data analysts and the essential skills required in the field. She emphasized the importance of data visualization, statistical analysis, and machine learning applications in financial sectors. She also guided students on relevant courses, certifications, and career pathways. The interactive Q&A session provided aspiring analysts with clarity on industry expectations and job prospects.

Guidance on Pursuing Higher Education Abroad after B.Sc. Mathematics:

Speaker: Miss Riddhi Kumavat, MS Student in France

Date: 23rd August 2024

Miss Riddhi Kumavat, currently pursuing her MS in France, shared valuable insights into studying abroad after a B.Sc. in Mathematics. She provided a comprehensive overview of the application process, university selection, and scholarship opportunities. Her session emphasized the importance of strong academic records, well-crafted statements of purpose (SOP), and networking for securing admissions in reputed institutions. Students actively engaged with her to understand research opportunities, job prospects, and the overall experience of studying and living abroad.

Career Guidance Session on Digital Marketing:

Speaker: Mr. Rishab Mishra, Founder & CEO, Social Pulse Agency

Date: 7th December 2024

With the digital world evolving rapidly, digital marketing has become a sought-after career path. Mr. Rishab Mishra, an industry expert, conducted an engaging session on the scope of digital marketing. He discussed key aspects such as search engine optimization (SEO), social media marketing (SMM), content marketing, and paid advertising. He also shared real-world case studies, demonstrating the power of digital marketing in brand building. The session left students inspired and equipped with practical knowledge about digital marketing strategies and tools.

Guest Lecture on Career Opportunities in AI and ML for Basic Science Students:

Speaker: Mr. Gaurang Tawde, Assistant Professor, A. P. Shah Institute of Technology,

Thane

Date: 4th February 2025

Artificial Intelligence (AI) and Machine Learning (ML) are transforming industries, creating exciting opportunities for students from diverse academic backgrounds.

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Mr. Gaurang Tawde introduced the fundamental concepts of AI and ML and their applications in sectors like healthcare, finance, and technology. He emphasized the significance of programming languages such as Python and R, along with emerging research opportunities. The session motivated students to explore interdisciplinary applications of AI and ML and pursue careers in this dynamic field.

The Anubandh Alumni Association continues to play a vital role in mentoring and inspiring students by providing a platform for career exploration and professional growth. These sessions have empowered students with industry-relevant knowledge and practical insights, guiding them towards promising career paths.

Mrs. Uma Patne Co-ordinator, Anubandh Alumni Association



Guidance on Pursuing Higher Education Abroad after B.Sc. Mathematics



Guest Lecture of Mr. Gaurang Tawde in Concepts and Applications of Al and ML

Avishkar

The College Avishkar Research Convention Committee was formed to participate in the 19th Aavishkar Inter-Collegiate Research Convention organized by the University of Mumbai. The committee comprised nine staff members from various departments, with Dr. Abhay Morajkar serving as the coordinator.

The introductory meeting was held on 16th September 2024, where the agenda focused on planning research aptitude sessions for students, selecting research students, preparing for Avishkar, and conducting the entry-level scanning for the University of Mumbai Avishkar portal entry. This meeting set the foundation for structured participation in the competition.

The second meeting was conducted on 22nd November 2024, with the agenda of taking updates from respective student mentors and facilitating form filling on the university portal. This ensured a systematic approach toward documentation and participation.

A total of 40 research projects were selected across five categories defined by the University of Mumbai: Humanities, Languages and Fine Arts, Pure Sciences, Agricultural and Animal Husbandry, Engineering and Technology, and Medicine and Pharmacy. These were chosen from an initial pool of 48 projects at the college level.

The Zonal Round of the competition was held at Tilak Education Society's J. K. College of Science and Commerce, Ghansoli (Plot No. 22, Sector 5, New Mumbai) on 11th December 2024, from 9:00 AM to 5:00 PM. From this round, eight outstanding projects were selected to proceed to the University Round, marking a significant achievement for the college and its research committee.

The success at the zonal level reflects the dedication and hard work of the students, mentors, and the committee members. Their commitment to research and innovation has enhanced the academic reputation of the college, paving the way for future research endeavours. The committee looks forward to further strengthening research culture and achieving greater milestones in upcoming conventions.

Dr. Abhay Morajkar Coordinator-Avishkar Research Convention



Sanyuja 2024-2



Felicitation of Zonal Round Winner

Cultural

India is known for its rich cultural history and diversity. For India youth is a backbone. In our VPM's B.N. Bandodkar College, youth is known for their enormous amount of energy, enthusiasm, creativity and eager to boast something new and best. 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. Through cultural association students are well guided and motivated to conduct and participate in various cultural activities in the college. Youth festival 2024-25 is one of the great programmes where students can show case their talent in several cultural events like literary, fine and performing arts. This year, college has bagged first prize in Indian classical dance at zonal level by Ms Shlesha Boke.

The inauguration and theme reveal function of cultural association for the year 2024-25 was organized on 25th September 2024 in Patanjali auditorium. This function was graced by the presence of Mr. Viju Mane a well-known personality in the Marathi film industry. More than two hundred students and teachers were part of this occasion. This event was made alive by the dancing, singing and fashion show performances of the students. Theme of the cultural association 2024-25 was revealed in this event. With the happy faces and lots of applause theme 'Vishvatva'was revealed. Student representatives for the cultural association 2024-25 declared in the event- Mr Shreyas Shinde (Secretary), Mr Soham Waghmare (Jt.Secretary) and Mr Sahil Patil (Jt.Secretary), Mr Krish Bhagat (PR Head), Mr. Aditya Chavan (Technical head), Ms.Diya Rawal (Creative head), Ms Pearl D'Souza (Documentation Head), Mr.Sahil khandekar (Social media head), Mr.Athary Dodke (Social media Sub-head) Mr.Shreyash Otari (Logistics head).

Celebration of Indian traditions and cultural events always build the bridge between old and new generation. An event in which beautiful amalgamation of old and new generations celebrating 'Umang -The Folk Tradition' was viewed in the college campus on 14th October 2024. Around three hundred and three participants had enjoyed this event. Mr. Anil Athawale was chief guest of this big event. Students have been informed by coordinator the different types of folk tradition and appealed to showcase the talent by participating at different competitions. Folk dance event was cherished by the students and faculty members in their vibrant traditional attire and performance on the rhythm of traditional songs. Students were also felicitated for their best performance and traditional attire.

The most awaited annual fest 'Aakansha' was organized in the month of December by the cultural association. A wide range of cultural activities were run successfully in this fest. In this frame of annual fest, traditional and modern visions of the art are artistically captured. Appreciable number of participants were participated in activities like bridal make up, mehndi, tote bag painting, love letter writing, treasure hunt, singing, dancing, etc and most prestigious Mr. and Miss Bandodkar. This year Mr Prathmesh Mahamunkar won the title of Mr Bandodkar and Ms Namrata Patil won the title of Ms Bandodkar. Hidden skills of the students were come out in such events. Cultural association able to involve students in different cultural activities to bring out the various talent of the students to inculcate team spirit and develop overall personality with all the support and efforts of our authorities, cultural committee members, teaching and non-teaching staff, and students.

Dr. Pralhad S Wagh Co-ordinator, Cultural Association



Lifelong Learning and Extension

The Department of Lifelong Learning and Extension activities at B. N. Bandodkar College of Science, (Autonomous), continues to fulfil the mission of enhancing the educational experience and encouraging community engagement among students.

Under the DLLE of Mumbai University, the college has fostered this initiative for all degree college students to cultivate lifelong learning beyond traditional classrooms. This year, several impactful activities were organized to promote experiential learning, environmental sustainability, leadership development, and social responsibility.

The academic year began with the 1st term training program, which provided insights into the projects undertaken and prepared students for active participation. The University-level 2nd term training focused on strengthening the skills of teachers and student managers, ensuring their effective leadership throughout the academic year.

One of the community-oriented initiatives, Khakhitil Sakhi, served as a unique collaboration between students and the community, enriching students' learning experiences while fostering relationships with the surrounding population.

Environmental consciousness was a key focus, highlighted through the Soil Festival, which offered students a platform to engage in activities promoting sustainable practices and the significance of soil conservation. To further the commitment to environmental protection, the Creek Cleaning Drive was conducted at Kolshet Khadi, involving students in removing trash and debris while raising awareness about pollution and marine preservation.

To encourage creativity and intellectual expression, the college organized several competitions, including the Creative Writing Competition, Elocution Competition, and Poster Making Competition. These events nurtured students' artistic, communication, and critical thinking abilities.

Students showcased their talents and learning through various College Level Charts Exhibitions of various professions studied by them, held at different locations in college campus: Parking Lot, Ground Floor and Yog Kendra. The year also featured the Community Level Charts Exhibition, which engaged the broader community and highlighted the students' projects and creativity by arranging exhibitions outside the college campus at Savarkar Nagar, Rabodi, Saraswati Secondary School, and Vishwabharati English High School, Koparkhairane

The grand UDAAN Festival 2025 was hosted by the college as part of Mumbai University's extension activities. This flagship event celebrated the cultural and artistic expressions of students, while skill development opportunities were presented through workshops and competitions in leadership, communication, and innovation.

Extension activities under DLLE provided students with valuable opportunities for experiential learning, collaboration, and growth, while bridging the gap between academic knowledge and community service. This unique approach continues to enhance the educational experience and contribute to the well-being and development of society.

Dr. Ujjwala Gokhe Coordinator, DLLE



Green Club

The green club is a joint initiative of Higher and Technical Education Department, Government of Maharashtra and UNICEF Maharashtra with Technical support from YEWS (Youth Engagement and Stewardship for Water Conservation) from ACWADAM, CEE and Why Waste. Total **211** students enrolled in Green Club of our college for 2024-2025.

- To communicate the role of public engagement in policy-making, and effective communication strategies and Fostering awareness and promoting best practices, to create a healthier, cleaner future, The Green Club 2024-2025 begins with the activity "Public Awareness and Education on Air Quality Management" on account of Clean Air For Blue Skies conducted by Ms. Asba Ansari, on 09 Sept 2024. Students were enhanced to understand air quality issues and their impacts on health and the environment. Students were acquired practical knowledge on strategies to reduce pollution and feel empowered to engage in local policies and initiatives.
- **Green Club celebrated World Ozone Day** on 16 Sept. 2024. This activity is conducted by Dr. Swarupa Agnihotri. Students had gained the knowledge about Ozone layer and recognized the importance of Ozone layer to maintain the health of living organisms.
- Orientation lecture on the topic Conservation of Water through WhyWaste app was conducted on 27 Nov. 2024 by Dr. Akanksha Shinde and Mr. Abhishek Bandivadekar. This activity was conducted to create awareness in students regarding water management in day today life.
- Students completed the **MYCA certificate course** (climate Change and Water Management) under Green Club.Total 108 students from FYBSc,SYBSc,TYBSc and M.Sc successfully completed the certificate course on climate Change and Water Management under the guidance of Green Club Committee members.
- 55 Students completed the **Handaji Campaign certificate course** and 26 students completed **Bio Cultural Diversity Conservation and Climate Action Course** under the guidance of Ms. Shakshi Dandekar
- Carbon Foot Print Activity conducted on 21 Jan 2025 through quiz competition by and Mr. Abhishek Bhandivadekar. Awareness about bad impact due to release of carbon dioxide in atmosphere and its impact on human lives, were discussed.87 students activetly participated in this activity
- Department of Biodiversity, Wildlife Conservation and Management(BWCM), Department of Environment Science (EVS) and Green Club, in collaboration with and WWF-INDIA and Godrej Mangroves "Magical Mangroves "phase 5, conducted lecture on "Adaptations in Mangroves and Importance of Mangrove Forest in Maintaining Biodiversity" by Ms. Shambhavi Chavan on 17 Feb. 2025. Students motivated for conservation of environment through this activity.145 students benefited by this activity
- Green Club Student Coordinator, Ms.Supriya Jadhav and Green Club member Mr Aaditya Jadhav successfully participated in **One Day Workshop on YEWS - Green Club Nuturing Workshop** conducted at B.K.Birla College, Kalyan, on 05 March 2025.

Dr. Akanksha Shinde Coordinator, Green Club



Gymkhana

The Gymkhana Committee of VPM's B.N. Bandodkar College of Science (Autonomous), Thane (W), organized various sports events under the guidance of Dr. Mahesh V. Bedekar and Principal Dr. Vinda Manjramkar for the academic year 2024-25.

This year i.e 2024, students were eagerly waiting for their new gymkhana infrastructure. Since the old Gymkhana was changed into classrooms, student's sports activities started a little late. But the students' Gymkhana committee was formed and started functioning on time. The Gymkhana Committee has introduced a new internal structure consisting of 16 members, including Secretary Mr. Aditya Sarang, Joint Secretaries Mr. Vipul Shinde and Ms. Neha Pawar, along with Mr. Manas Khulage as a Co-Head and other members. The Gymkhana committee was supported by Dr. B.K. Mandlekar, Dr. Devyani Ladhe and Mr. Kiran More.

The new Gymkhana and Gymkhana Club for the year 2024-25 was inaugurated by Dr. Mahesh V. Bedekar on November 16, 2024. Dr. Mahesh V. Bedekar motivated students for sports spirit, national and international awards through his truly inspiring and impactful speech. Dr. Bhalchandra K. Mandlekar, the Gymkhana Committee Coordinator, provided insights into the various activities of the Gymkhana and encouraged students to participate actively.

Throughout the 2024-25 academic year, the committee organized multiple sports activities, including Table Tennis, Chess, Carrom, Box Cricket, Football, Tug of War, and Athletics. Additionally, students enthusiastically participated in intercollegiate competitions such as Box Cricket, Football, Kabaddi, Kho-Kho, Volleyball, Chess, Air Rifle Shooting, Judo, Taekwondo, Boxing, Weightlifting, Swimming, Artistic Gymnastics, Cycling, Water Polo, Fencing, and Athletics.

The Annual Sports Day event was scheduled from December 5 to December 21, 2024. During this event, the committee hosted tournaments for Table Tennis, Chess, Carrom, Box Cricket, Football, Tug of War, and various athletic competitions. A total of 438 students from the college participated with great enthusiasm.

The Carrom Competition was held from December 5 to December 17, 2024, and received an overwhelming response, with 132 students participating (49 from Junior College and 83 from Degree College). The competition took place daily from 12 PM to 5 PM. Alongside this; the committee also organized Table Tennis and Chess Tournaments, attracting over300 participants in total.

The Box Cricket Tournament was held on December 12th, 2024, for Junior College and December 13th, 2024, for Degree College, with 16 teams competing. On December 20, 2024, the Football and Tug of War Tournaments took place, featuring 12 and 24 teams, respectively.

Students demonstrated great energy, maintaining both physical and mental balance throughout all events.

As mobile phone games are becoming popular, the committee had organised a E-sports Events on 7th January 2025. Mr. Raviraj Shighne co-founder of RFN E-Sports has sponsored the event. This event was the first kind of event held in our college. More than 60 students have participated in this event.

Finally, on February 8, 2025, the Gymkhana Prize Distribution Ceremony was held. The chief guests were Mr. Arvind Sawant (a nationally renowned IronMan and Athlete) and Mr. Sanjay Athavale (a well-known Karate Budokan International), along with the college's Acting Principal, Dr. Vinda Manjramkar. On this occasion, all winners of the sports competitions were felicitated, and the events concluded successfully.

The Principal also announced the General Championship winners for Degree College and Junior College for the academic year 2024-2025.

Sr. No.	Name of the Student	Degree / Junior College	Class
1.	Mr. Aditya Milind Sarang	Degree College	S.Y.B.Sc.
2.	Mr. Aditya Sanjay Dhopat	Junior College	S.Y.J.C.
3.	Ms. Tanaya Sandesh Gavand	Degree & Junior College	F.Y.J.C.









Dr. Bhalchandra K. Mandlekar Gymkhana Coordinator Dr. Devyani D. Ladhe Gymkhana Assistant

Sanyuja 2024-25

National Cadet Corps (NCC) Unit

The National Cadet Corps (NCC) at ASC Thane Unit has consistently upheld the spirit of discipline, patriotism, and service to the nation. Through various activities, events, and camps, our cadets actively contribute to the development of the community while honing their leadership and teamwork skills.

NCC Activities:

- 1. National Celebrations: The ASC Thane Unit proudly commemorates Independence Day and Republic Day every year, organizing various programs to instill patriotic fervor among cadets and students.
- 2. Social Initiatives: Cadets actively participate in social responsibility campaigns, including blood donation drives, tree plantation initiatives, and commemorative events such as Kargil Vijay Diwas, Shahid Diwas, and International Yoga Day.
- 3. Awareness Rallies: NCC cadets engage in impactful rallies such as the Anti-Drug Rally and the Night March, spreading awareness and promoting social causes.

National Level Camps:

- 1.SUO. Sarthak Chandrakant Choramale Republic Day Camp (RDC), Delhi, 2025.
- 2. CQMS. Soumyaraj Ashok Shinde Shivaji Trial Trek (STT), Kolhapur.
- 3. CDT. Amit Parmanand Yadav Shivaji Trial Trek (STT), Kolhapur.
- 4. LCPL. Jitendra Ramprasad Rastogi Shivaji Trial Trek (STT), Kolhapur.
- 5. JUO. Shubham Khandu Date Shivaji Trial Trek (STT), Kolhapur.
- 6. JUO. Atharva Sharad Pawar Shivaji Trial Trek (STT), Kolhapur.

State Level Camps:

- 1.SGT. Kunal Dattatray Kharat RDC (IGC), Pune.
- 2. SGT. Kunal Shankar Kolekar RDC (IGC), Pune.
- 3. CPL. Akash Buddhisagar Chaturvedi RDC (IGC), Pune.
- 4. SGT. Harsh Kiran Dhiver RDC (IGC), Pune.
- 5. CPL. Akash Buddhisagar Chaturvedi Basic Leadership Camp (BLC).
- 6. CQMS. Soumyaraj Ashok Shinde EBSB Camp, Kerala.
- 7.LCPL. Jitendra Ramprasad Rastogi EBSB Camp, Jalgaon.

Regional Level Camps:

Numerous cadets from ASC Thane Unit proudly represented the college at the Combined Annual Training Camp held at Thane and the ASC Thane College Campus, showcasing their commitment to the NCC ethos.

NCC Events/Activities

Sr. No.	Event Name	Date	Chief Guest / Resource Person	NCC Army Boys Participated
1.	International Day of Clean Air for blue sky	07-09-24	Raju Jadhav (Scientist)	46
2.	Cleanliness Campaign Program	10-08-24	Dr. Prof. Vinda Manjramkar	48
3.	Cleanliness Campaign Program	11-08-24	Dr. Prof. Vinda Manjramkar	50
4.	75th Independence Day of India	15-08-24	Chairman Dr. Vijay Bedekar	45
5.	Blood Donation Camp	06-08-24	Dr. Prof. Vinda Manjramkar	48
6.	National Anthem singing program	09-08-24	Indian Army Soldier Havaldar Bhup Singh Havaldar Dk Singh	42
7.	Har Ghar Tiranga Rally program under Amrit Mahotsav of Independence	10-08-24	Dr. Prof. Vinda Manjramkar	46
8.	Puneet Sugar Abhiyan	12-08-24	Lt. Col. Sudarshan Biswas	38
9.	Ncc Day	04-11-24	Capt. Bipin Dhumale	

Sanyuja 2024-25

10.	Sea Visit	14-11-24	Lt. Col. Sudarshan Biswas	50
11.	Blood Donation	24-11-24	Dr.Prof.Vinda Manjramkar	48
12.	Aids Day	01-12-24	Dr. Kailash Pawar	45
13.	Puneet Sagar Abhiyan	05-12-24	Lt. Col. Sudarshan Biswas	50
14.	Inter-Collegiate Drill Competition	09-12-24	Ex-Cadet of A/C Unit of Thane	48
15.	Blood Donation	26-12-2024	Capt. Bipin Dhumale	38
16.	Swachhta Abhiyan	11-01-2025	Capt. Bipin Dhumale	
17.	Republic Day	26-01- 2025	Chairman Dr. Vijay Bedekar	48
18.	The Story of Bravery Sacrifice of Indian Arm	28-01- 2025	Sub. Maj. Hon. Capt. Yogendra Singh Yadav	50
19.	No Honking Awareness Drive	30-01- 2025	Dr. Mahesh Bedekar	47
20.	Nishchoy Seminar	10-02- 2025	Aishwarya M. Singh	45
21.	Cleanliness Drive	11-02-2025	Capt. Bipin Dhumale	38
22.	Black Day	14-02-2025	Dr. Prof. Vinda Manjramkar, Capt. Bipin Dhumale	45



23.	Yuva Utsav	21-02-2025	Dr. Prof. Vinda Manjramkar	46
24.	Saheed Diwas	23-03-2025	Capt. Bipin Dhumale	45
25.	Eat Right India	26-03-2025	Shri Rajesh Narvekar (IAS), Dr. Jagannath Dixit, Dr. Vijay Bedekar	32



Capt. Bipin Dhumale Associate NCC officer



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 2024-25, 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 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 Swatchhata Hi Seva, Ek Ped Ma Ke Naam, 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, Lions Club, Kai. Wamanrao Oak and Cooper Hospital. 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 Thane Railway Station. Empowering individuals with essential life skills, the NSS Unit conducted self-defense workshop and disaster management workshop for teaching safety and preparedness to the volunteers. 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 Eat Right Mela, in collaboration with IQAC and Food Drugs Administration Department of Maharashtra, emphasising on the nutritional benefits of millets. Various competitions organized under this encouraged citizens to participate and showcase their talent. The unit also conducted a flash mob to raise awareness about tuberculosis and the importance of early detection, organized by Thane Municipal Corporation. The unit is actively engaged in distribution of anti-spit pouches designed by safehood in collaboration with Rotary club of Thane Horizon.

Contributing to environmental conservation, the NSS Unit organized 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 and old clothes for responsible disposal and recycling. Aligning with cultural festivities, the unit promoted ecofriendly practices by organizing workshop on creating environmentally sustainable Ganesh idols, in collaboration with EVS department of the college.

NSS volunteers provided shramdaan at Anantahsram, Yeoor hills for agricultural work. Volunteers participated in Rakhi selling stalls, made by blind students and special children. The total amount collected through sale was given back to them. Students contributed to Voter ID registration awareness drives. NSS Volunteers also participated in managing mega events like Vrukshvalli, Road Safety, Ganapai visarjan etc. Awareness programmes had been organised to address issues including AIDS

Stawareness, social unity, anti-ragging, Voter ID registration cyber security and antidrug awareness. Various commemorative days were celebrated like Independence Day, NSS Foundation Day, Indian Constitution Day, Republic Day, Yoga Day, National sports Day, Shivjayanti, Marathi Bhasha Din

University of Mumbai suggested various programs for NSS volunteers. Volunteers participated in De-addictiono Rally, Bhajan Sandhya, AIDS Rally, Anti drug street play, Disaster Management. Like every year, NSS Unit organized a 7-days residential camp from 6th January 2025 to 12th January 2025 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 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 various social issues. An Hb checkup camp was organized by our NSS unit. School students were benefited by this camp.

NSS Unit has remarkable achievements for the year 2024-25. Volunteers Smayan Balan, Vitthal Sawant, Alisha Gauda attended Leadership Training Camp while Aanshik Sharma and Shraddha Doke participated in Leadership Development Program. A team of 10 volunteers performed Nukkad Natak for the competition under the campaign Swatchh Sagar Surakshit Sagar and bagged First prize in state. The team was appreciated by the then CM Hon. Eknathji Shinde. Various other volunteers also got prizes for other competitions like slogan Making, reel making etc. taken for the same campaign. Technical In-charge Ms. Shreya Rumde ranked 2nd in District Level Digital Poster Making Competition on HIV-AIDS while volunteers Satvik Tayde and Vidhi Kasurde were awarded 1st and 2nd prize in International Youth Day Digital Poster Making Competition. Cyber sakhi Digital Poster Making Competition winners were Satvik Tayde (1st prize), Sanika Pawar (2nd prize) and Pratik Jaiswar (3rd prize). Volunteer Vitthal Sawant was selected for District level Utkarsh camp. Our volunteers also bagged prizes in various competitions quite held for international voters day.

Overall it was a very enthusiastic academic year for NSS Unit. It was full of activities and lots of learning. Below is the summary of variety of activities undertaken in academic year 2024-25.

Types of Activities

- Environment-Related Activities: Tree plantations, clean-up drives, sapling making, shramadan, Total Events: 25
- **Health & Well-being:** Blood donation camps, medical check-ups, yoga/meditation Total Events: 14
- Awareness Campaigns: Voter awareness, road safety, cybercrime, cleanliness Total Events:18
- Cultural & National Events: Independence Day, NSS Day, Constitution Day Total Events: 10
- Education & Training: Sessions on first aid, career guidance, sessions at the adopted school, Total Events: 12
- **Special Camps (Nere Camp):** Rural work and community building, Total Events: 5 days (in Jan 2025)



NSS Activity Report Summary (June 2024 - April 2025)

Noverall Figures

Total Activities Conducted: 97

Total Volunteer Hours Contributed: 346.5 Hours

Total Beneficiaries Impacted: 2,407+

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







Placement Cell Committee

The Placement Cell Committee was established with the primary objective of enhancing student awareness regarding job opportunities and fostering industry-academia collaboration. The initiative aimed at equipping students with essential skills to become job-ready while also increasing awareness about job fair drives among students of FYBSc, SYBSc, TYBSc, and MSc programs.

The committee comprised a dedicated team of eight faculty members representing various departments, with Dr. Abhay Morajkar serving as the coordinator. Throughout the academic year, the committee undertook several key initiatives to support student career development and employment prospects.

Meetings and Strategic Planning:

The first meeting of the Placement Cell Committee was conducted on **September 16, 2024**, where crucial agenda items were discussed, including:

- Planning an **Interview Skills Orientation Session** for TYBSc students to enhance their preparedness for job interviews.
- Selection of **Student Coordinators** to facilitate smooth communication between students and the placement cell.
- Initial planning of the **Job Fair Drive**, an essential event aimed at connecting students with prospective employers.

A follow-up meeting was held on **November 22, 2024**, where the committee focused on:

- Organizing a **Portfolio Development Session** to help students build professional resumes and portfolios.
- Conducting an **Entry-Level Company Screening Process** to evaluate potential recruiters for the job fair.
- Finalizing and confirming details for the **Job Fair Drive**, which was scheduled for **April 5, 2025**.

Industry Collaboration and Recruitment Drives:

The Placement Cell received several invitations from companies willing to participate in the job fair. After thorough scrutiny, 15 companies from diverse industrial sectors were shortlisted. The selected companies belong to industries such as:

- Chemical Industry
- Pharmaceutical Sector
- Diagnostics and Healthcare
- Fast-Moving Consumer Goods (FMCG)
- · Finance and Banking
- Travel and Hospitality
- Information Technology (IT)

These companies were carefully chosen based on their alignment with student career aspirations and relevance to the academic disciplines offered by Bandodkar College.

Recruitment Initiatives at the College Level

Beyond the job fair, the committee facilitated direct recruitment efforts, collaborating with various environmental companies and other organizations to provide **internship opportunities**. Peer-to-peer learning was also encouraged, allowing students to engage in knowledge-sharing activities and hands-on training programs in their respective fields.

The Placement Cell Committee has made significant strides in preparing students for the competitive job market. Through workshops, industry collaborations, and recruitment drives, the committee has strengthened the bridge between academia and industry, ensuring that students graduate with practical knowledge and employment opportunities. Moving forward, the committee remains committed to expanding its reach, enhancing career guidance initiatives, and increasing participation in future job fairs and placement activities.

With sustained efforts and continued support from faculty and industry partners, the Placement Cell looks forward to another year of growth and success in facilitating student employment and professional development.

Dr. Abhay Morajkar Coordinator- Placement cell





Interview Sessions in Mega Job Fair 2024-25

Research

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

The Research Committee of V.P.M's B. N. Bandodkar College of Science plays a key role in encouraging research among students and faculty. This report highlights the major activities and achievements of the committee.

Promoting Research Culture-The committee helps students develop research skills through mini-research projects. These projects give students hands-on experience under the guidance of faculty members. Many of these projects are submitted to funding agencies, helping students become skilled researchers.

Participation in Academic Events-The committee motivates students to take part in research competitions like Avishkar, organized by the University of Mumbai. In the 19th Avishkar event, 65 students from our college presented their research in five different categories, demonstrating their knowledge and dedication.

Ph.D. Admission and Research Monitoring-The Research Committee oversees the Ph.D. admission process and regularly reviews research progress. Personal interviews and Research Advisory Committee (RAC) meetings ensure high-quality research. Faculty members are also encouraged to undertake research projects and submit proposals to the committee.

Publications and Achievements-Faculty members and research scholars contribute significantly to academic research by publishing their work. These publications enhance the college's reputation as a centre for research and learning.

National Conference on Eco Pulse: Monitoring of the Ecosystem" on 14th and 15th of February. The Research Committee encouraged all students to participate, leading to over 55 poster presentations and 39 oral presentations. More than 200 students attended this mega event, making it a great success.

Acknowledgment-We thank all committee members for their dedication and efforts: Prof. Vinda Manjramkar,Prof. Anita Goswami-Gir,Dr. Kiran Pariya,Dr. Ajit Bhumkar Dr. Sandeep Kahandal and Dr. Prahlad Wagh

Dr.V.M. Jamdhade Coordinator, Research Committee

Women Development Cell

Women Development cell of B.N.Bandodkar College of Science conducted following events during academic year 2024-25.

First Event: Guest Lecture on "Awareness Session on POCSO" Date: 17/10/2024

To emphasize on the knowledge about the provisions, protections, and penalties under the POCSO Act, clarifying how it safeguards minors from sexual offenses, Prof. Shital Meisheri from TMC Law College was invited to deliver a talk. During her talk, Prof. Meishari emphasized on awareness of how to identify signs of abuse and inform students about the proper channels for reporting incidents, emphasizing the importance of timely action. Students gained clear understanding of the POCSO Act, including their rights and the legal safeguards available to protect minors from sexual offenses. The lecture was very much helpful to create a culture of respect, consent, and vigilance among students promoting a safe, supportive community.

Total 118 participants including 8 faculty members were present during the event.

Second event: Awareness on PoSH (Prevention of Sexual Harassment) Date: 11/01/2025

POSH (Prevention of Sexual Harrassment) is an essential activity to be conducted in every working environment. Women Development Cell of B.N.Bandodkar College arranged a workshop for all the teaching and non-teaching staff.

Mrs. Darshana Kedare (Soft Skill Training expert, Communication and public speaking coach, PoSH and PoCSO Consultant) was invited to conduct the workshop. The aim of the workshop was to increase awareness among teaching and non-teaching staff about the legal provisions of the POSH Act.

Following points discussed during the workshop:

- No woman shall be subjected to sexual harassment at any workplace.
- The following circumstances, among other circumstances, if it occurs, or is present in relation to or connected with any act or behavior of sexual harassment may amount to sexual harassment:—
- (i) implied or explicit promise of preferential treatment in her employment; or
- (ii) implied or explicit threat of detrimental treatment in her employment; or
- (iii) implied or explicit threat about her present or future employment status; or
- (iv) interference with her work or creating an intimidating or offensive or hostile work environment for her; or
- (v) humiliating treatment likely to affect her health or safety.

Third Event: Awareness on PoSH (Prevention of Sexual Harassment) Date: 17/02/2025

Mrs. Darshana Kedare (Soft Skill Training expert, Communication and public speaking coach, PoSH and PoCSO Consultant) was invited to deliver a talk on awareness of POSH. 173 students along with 13 faculty members attended the event. Students gained a clear understanding of the PoSH Act's legal provisions and implications during the event. Students learned to recognize and understand various forms of sexual harassment.

Fourth Event: International Women's Day Celebration Date: 08/03/2025

International Women's Day was celebrated through Women Development Cell of B. N. Bandodkar college of Science, Thane. Mrs. Sunita Mhaiskar (Deputy Labour Commisioner, Mumbai) was invited to deliver a talk on empowerment of women. There was increased motivation and sense of community across all participants. Mrs. Sunita Mhaiskar talked about enhanced understanding of leadership and professional growth strategies. She reinforced the institution's commitment to gender equality.

63 teaching staff and 30 Non-teaching staff attended the program.

Mrs. Minal Wankhede Coordinator, Women Development Cell





Awareness Program on Prevention of Sexual Harassment (PoSH)

यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठ अभ्यासक्रम

ग्रंथालय आणि माहितीशास्त्र निष्णांत अभ्यासक्रम , ग्रंथालय व माहितीशास्त्र पदवी अभ्यासक्रम आणि वृत्तपत्रविद्या आणि जनसंज्ञापन पदविका याअभ्यासक्रमाचे उदघाटनपर सत्र २१ सप्टेंबर २०२४ रोजी ग्रंथालया मध्ये संपन्न झाले. केंद्रसंयोजिका सौ. कादंबरी मांजरेकर यांनी विद्यार्थ्यांना या अभ्यासक्रमाचे महत्व आणि नोकरीच्या संधी याबद्दल मार्गदर्शन केले.

यशवंतराव चव्हाण महाराष्ट्र मुक्त विद्यापीठाच्या विविध अभ्यासक्रमांकरता खालील प्रमाणे नोंदणी झाली.

अभ्यासक्रम	विद्यार्थी संख्या
ग्रंथालय आणि माहितीशास्त्र निष्णांत अभ्यासक्रम	30
ग्रंथालय व माहितीशास्त्र पदवी अभ्यासक्रम	20
वृत्तपत्रविद्या आणि जनसंज्ञापन पदविका अभ्यासक्रम	06
प्रथम वर्ष बॅचलर ऑफ कॉम्प्युटर ऍप्लिकेशन (बी.सी.ए)	01
द्वितीय वर्ष बॅचलर ऑफ कॉम्प्युटर ऍप्लिकेशन (बी.सी.ए)	07
तृतीय वर्ष बॅचलर ऑफ कॉम्प्युटर ऍप्लिकेशन (बी.सी.ए)	05

ग्रंथालय आणि माहितीशास्त्र निष्णांत या अभ्यासक्रमाचे २०२४-२०२५ या शैक्षणिक वर्षाचे शिबीर दि.२९.१२.२०२४ ते ३१.१२.२०२४ या दिवशी पार पडले. सकाळी ९.०० ते सायंकाळी ६.०० या वेळेत शिबिराचे आयोजन करण्यात आले होते. दि.२९ डिसेंबर २०२४ रोजी सकाळी ०९.०० वाजता या शिबिराचे उद्घाटन शिबीर तज्ञ डॉ. सचिन शास्त्री, ग्रंथपाल, वी.के.के. मेनन महाविद्यालय, भांडूप व डॉ.वीणा ठाकरे, ग्रंथपाल रुईया महाविद्यालय,माटुंगा, व केंद्रसंयोजक सौ. कादंबरी मांजरेकर यांच्या हस्ते झाले. या शिबिरासाठी बा.ना.बांदोडकर अभ्यासकेंद्राचे एकूण २८ विद्यार्थी पूर्णवेळ उपस्थित होते. या शिबिरामध्ये २८ विद्यार्थ्यांनी प्रकल्प आराखडे व शोधनिबंध सादर केले. तज्ञ मार्गदर्शकांच्या सुचनेनुसार २८ विद्यार्थ्यांचे प्रकल्प आराखडे मंजूर झाले. या शिबिराची सांगता दि. ३१.१२.२०२४ रोजी दुपारी ०४.०० वाजता झाली. या कार्यक्रमासाठी शिबीर तज्ञ डॉ. सचिन शास्त्री ,डॉ.वीणा ठाकरे, व प्रा.नारायण बारसे आदी मान्यवर उपस्थित होते. या कार्यक्रमाचे सूत्रसंचालन एम.लिब. अभ्यासक्रमाची विद्यार्थिनी सौ.अश्विनी म्हात्रे यांनी केले. शीतल वारे, स्नेहा निर्मल, प्रथमेश शेलार, प्रतिभा देशमुख या विद्यार्थांनी आपले मनोगत व्यक्त केले व आभार प्रदर्शन प्रियांका मेहेंदळे हिने केले. यावेळी दोन्ही तज्ञ मार्गदर्शक व प्रा.नारायण बारसे, केंद्रसंयोजिका सौ. कादंबरी मांजरेकर यांनी मार्गदर्शन पर भाषण केले. राष्ट्रगीताने या शिबिराची सांगता झाली.

दिनांक २२ फेब्रुवारी २०२५ रोजी प्राच्य विद्या संस्थेतर्फे आयोजित "महाकुंभ" मेळा बाबतच्या प्रदर्शनाला ग्रंथालय व माहितीशास्त्र पदवी अभ्यासक्रमच्या ८ विद्यार्थ्यांनी भेट दिली.

सौ. कादंबरी मांजरेकर केंद्रसंयोजिका





Recognizing the profound benefits of yoga in managing stress and maintaining overall well-being in today's fast-paced world, yoga committee were initiated in the academic year 2000-2001 under the esteemed guidance of Mr. M.H. Dixit Sir and Dr. R. P. Athlaye Sir, in collaboration with Ambika Yog Kutir.

The Yoga Committee aims to promote physical, mental, and emotional well-being through the regular practice of yoga. It works to raise awareness about yoga's benefits, such as stress relief, and mindfulness, while encouraging a healthy lifestyle.

International Yoga Day Celebration:

As a continuation of this initiative, we proudly celebrated International Yoga Day on 21st June 2024, in collaboration with Ambika Yog Kutir, Thane. To ensure proper guidance and technique, a team of six experienced yoga instructors facilitated the session, leading participants through various yoga postures, breathing exercises, and meditation practices. Their expert supervision helped both students and teachers experience the rejuvenating and transformative power of yoga.

Meditation for a happy life:

On 23rd January 2025, we organized a meditation session in collaboration with the Internal Quality Assurance Cell (IQAC) to promote mental well-being and mindfulness among participants. The session saw an enthusiastic participation, all eager to explore the profound benefits of meditation.

The resource person of this session was BK Bindiya from the Brahma Kumaris, Thane, who guided the participants through various meditation techniques designed to enhance mental clarity, emotional stability, and overall well-being. The primary objective of this initiative was to introduce students to the transformative power of meditation as a tool for stress management, mindfulness, and cultivating a positive mindset.

Through expert guidance and practical techniques, participants learned how to integrate meditation into their daily lives, empowering them to navigate challenges with greater focus, resilience, and inner peace. The session was highly impactful, leaving attendees with a renewed sense of calm and balance.

The committee organizes yoga sessions, workshops, and awareness programs for students, faculty. The events were a resounding success, reinforcing the significance of yoga as a tool for achieving a balanced and healthier lifestyle.



Sakshi R. Dandekar Coordinator, Yoga Committee

College Activities



Internal Audit by IQAC



External Audit by Dr. Shantaj Deshbhratar & Dr. Manda Mhatre



Meeting of Heads of Department with Dr. Mahesh Bedekar (VPM Member)



वाचन संकल्प महाराष्ट्राचा अंतर्गत - पुस्तक दिंडी



Prize Distribution Ceremony of Gymkhana Committee



प्रसिद्ध लेखिका यामिनी पानगावकर यांच्या उपस्थितीत मराठी भाषा दिन



Awareness of POCSO for College Students by Woman Development Cell



शिक्षकेतर सहकाऱ्यांसाठी "प्रभावी प्रशासकीय कामकाज" या विषयावर व्याख्यानासाठी श्री गंगाराम कृष्णा सुर्वे



Workshop for Science teacher attended by Ms. Nilam Thakare & Ms. Ashwini Sawant held at Smt. Sulochanadevi Singhania School Thane



Lecture on POSH by Darshana Kedare

College Activities



Orientation Lecture by Mrs. Kadambari Manjrekar to YCMOU Students



Exploration of Flora of College Campus by Dept of Botany



Industrial Visit at BIT's Pilani, Goa by Dept of Physics



Chemophilic Festival by Dept of Chemistry



Seminar on "Cyber Security" by Quick Heal Foundation & Thane Cyber Police organized by Dept of IT-CS



Quadrat analysis at Ladghar beach, Dapoli by students of EVS & BWCM



Workshop on Resin Art by Dept EVS & BWCM



Guidance Session on Career Abroad after B.Sc by Dept of Mathematics



Orientation on Online Course of Bio-cultural diversity conservation & climate action through Green Club Activity



Industrial Visit to Saputara, Nashik by Dept. of Human Science



Visit to ICT, Mumbai by Dept. of Statistics



INAUGURATION



CEREMONY



2024-25





UMANG





Prize Distribution



Aakanksha fest



Prom Day



Colour splash Day



Halloween Day



Traditional Day









Group alike Day



Performances by Students and Teachers at Aakanksha Fest 2024–25

Gymkhana Sports Achivements



Mr. Hrushikesh S. Bedse Gold Medalist Taekwondo DSO



Mr. Apurva N. Pawar Gold Medal 50Mtr & silver Medal 100 Mtr Backstroke DSO



Mr. Atharva N. Pawar Bronze Medal 50 Mtr. Butterfly DSO



Mr. Sanchit Kamble Silver Medal Fencing EP. DSO



Mr. Tejas Tushar Chavan

1st Place In DSO

1st Place In Division

1st Place In State

Participation National Level

Judo Tournament



Mr. Mehul G. Gaikwad 1st Place 5000 Mtr. Run DS0



Mr. Pranay S. Rakhade 2nd Place Shotput DSO



Mr. Shardul S.Gaonkar Silver Medal in 50 Mtr & 100 Mtr butterfly Bronze Medal 50Mtr freestyle DSO



Mr. Akash P.Rathod 3rd Place Long Jump DSO



Mr. Malhar Bhosale

2nd Place in Boxing (One Zone)
University of Mumbai



Ms. Prachi Aher 3rd Place Fencing DSO



Mrs. Alfiya Shaikh Bronze Medal karate DSO



Ms.Manali Dalvi 1st Place Wrestling DS0



Mr. Sujal Khutwad Silver Medal Wrestling Divison Level





Ms. Vaishnavi Virkar 2nd Place Kickboxing, Division







Ms. Tanaya Gavand 3rd Place Pistol Shooting DSO

NCC ACTIVITIES

















ANTI DRUGS DAY

REPUBLIC DAY

CLEANLINESS DRIVE















WEAPON EXHIBITION

TREE PLANTATION







BLOOD DONATION

BLACK DAY

NSS ACTIVITIES



Sapling Plantation

NSS Foundation Day

Beach Cleaning





Blood Donation Camp

Shramdaan







Nukkad Natak Street Play

Flash Mob on HIV/AIDS









Plastic and E-waste Collection Drive

7 Days Residential Camp

NSS ACTIVITIES



Health Camp for Teaching and Non-Teaching Staff

Signal School Activity



Eco- Friendly Ganesh Idol Making



Dadachi Shala Exhibition Visit

Book Collection Drive



Road Safety Drive Street Play



Shivjayanti Utsav

Lecture on POCSO & POSH Act



Inauguration Ceremony

STREET PLAY COMPETITION WINNERS- 3RD PRIZE



Powada Competition



UDAAN-Flight of Extension



Poster Making Competition

DLLE Volunteers



Promising Careers



Career Prospects in Environmental Science

Environmental Science (EVS) is an interdisciplinary field that offers a wide range of career opportunities across various sectors. As the world grapples with environmental challenges such as climate change, pollution, and resource depletion, the demand for environmental professionals is growing rapidly. Graduates in this field can work in government agencies, non-governmental organizations (NGOs), research institutions, and private industries to develop sustainable solutions and policies. Careers in EVS range from environmental consultancy and conservation science to roles in renewable energy and waste management. Environmental scientists play a crucial role in conducting research, implementing eco-friendly initiatives, and ensuring compliance with environmental regulations. With the increasing emphasis on sustainability and green practices worldwide, career opportunities in EVS continue to expand, making it a promising field for those passionate about environmental conservation and sustainability.

Career Opportunities in Environmental Science:

- **Environmental Consultant** Advising businesses and governments on environmental regulations and sustainable practices.
- **Environmental Engineer** Designing and implementing solutions to reduce environmental impacts.
- **Sustainability Specialist** Developing strategies to promote sustainable business practices.
- Climate Change Analyst Assessing the impacts of climate change and recommending mitigation strategies.
- **Environmental Educator** Raising awareness and educating the public about environmental issues.
- Waste Management Specialist Developing effective waste disposal and recycling solutions.
- Environmental Health and Safety Officer Ensuring workplace compliance with environmental and safety regulations.
- **Research Scientist** Conducting studies to understand and address environmental challenges.
- **Hydrologist** Studying water resources and developing plans to address water scarcity and quality issues.
- Air Quality Specialist Monitoring air pollution levels and recommending strategies to improve air quality.
- **Urban Planner** Incorporating environmental considerations into city and regional planning projects.
- **Ecologist** Studying ecosystems to develop conservation strategies and manage natural habitats.

Pursuing a career in Environmental Science offers not only job security but also the opportunity to contribute meaningfully to a sustainable future. As industries continue to adapt to environmental challenges, professionals in this field will remain indispensable.

Ms. Asba Ansari, Asst. Prof, Department of Environmental Science

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Career Prospects in Biodiversity, Wildlife Conservation and Management

The global focus on environmental conservation and sustainable development has created a surge in demand for professionals with expertise in biodiversity, wildlife conservation, and management. A two-year master's program in this field equips students with the knowledge, skills, and practical experience necessary to excel in diverse roles. Here, we explore the various career prospects for graduates of such programs and the opportunities available in academia, government, non-governmental organizations (NGOs), and the private sector.

- 1. **Research and Academia** Graduates often pursue careers in research and academia, contributing to the understanding of biodiversity and ecological systems. These roles typically involve:
- University Teaching and Research: Many graduates join universities as lecturers or researchers, focusing on areas such as species conservation, habitat restoration, or ecological modeling. Pursuing a PhD can further enhance prospects in academia.
- **Field Research Projects:** Research institutions and conservation organizations often require skilled personnel to conduct field studies, monitor ecosystems, and gather data on wildlife populations and their habitats.
- 2. **Government and Policy Roles** Governments worldwide are prioritizing conservation policies, creating opportunities for professionals in:
- Environmental Ministries and Agencies: Graduates can work as wildlife officers, biodiversity analysts, or conservation planners, assisting in policy formulation, species monitoring, and implementation of conservation programs.
- **Protected Area Management:** Roles in national parks, wildlife sanctuaries, and biosphere reserves involve managing ecosystems, curbing poaching, and promoting sustainable tourism.
- **Policy Advisory Roles:** Professionals may contribute to drafting and evaluating environmental laws and regulations, ensuring alignment with global conservation goals.
- 3. Non-Governmental Organizations (NGOs) The non-profit sector offers significant opportunities for graduates passionate about conservation and advocacy. Roles include:
- **Program Coordinators:** Managing biodiversity conservation projects, organizing community outreach programs, and liaising with stakeholders.
- **Wildlife Rehabilitation Specialists:** Working with injured or orphaned wildlife, ensuring their recovery and reintroduction to natural habitats.
- Advocacy and Awareness Campaigns: Leading initiatives to raise public awareness about biodiversity loss and the importance of sustainable practices.
- 4. **Private Sector Roles** The private sector increasingly values sustainability and environmental responsibility, offering roles such as:
- **Environmental Consultants:** Assisting companies in conducting environmental impact assessments, developing sustainability strategies, and complying with regulatory standards.
- Corporate Social Responsibility (CSR): Many corporations fund conservation projects and require experts to design and manage these initiatives.
- **Ecotourism Development:** Professionals can work with travel companies or resorts to promote eco-friendly tourism that emphasizes conservation and education.



- 1. **International Organization**s Global bodies like the United Nations, World Bank, and International Union for Conservation of Nature (IUCN) employ experts in biodiversity and wildlife management. Graduates may contribute to:
- **Global Conservation Programs**: Designing and implementing initiatives addressing issues like deforestation, climate change, and habitat loss.
- **Biodiversity Data Analysis:** Using geographic information systems (GIS) and other tools to analyze data and guide international conservation policies.
- **Capacity Building and Training:** Helping developing nations enhance their conservation capabilities through training programs and resource allocation.
- 2. **Emerging Fields and Opportunities** Technological advancements and evolving conservation challenges are creating new avenues for graduates:
- **Wildlife Forensics:** Identifying illegal wildlife trade and aiding law enforcement through genetic analysis and other techniques.
- Climate Change Mitigation: Addressing the impacts of climate change on biodiversity by developing adaptive management strategies.
- Sustainable Agriculture and Forestry: Promoting practices that balance productivity with ecosystem health.
- 3. **Entrepreneurship in Conservation** For those with an entrepreneurial spirit, the field offers opportunities to start businesses or initiatives that combine profit with conservation, such as:
- **Sustainable Product Development:** Creating eco-friendly products that reduce environmental impact.
- **Conservation Technology Startups:** Developing tools like camera traps, drone monitoring systems, or biodiversity databases.
- **Community-Based Tourism:** Establishing ventures that empower local communities while promoting conservation goals.

Skills and Competencies for Success While the career options are abundant, success in this field requires specific skills and attributes:

- **Technical Expertise:** Knowledge of ecological principles, species identification, and data analysis tools like GIS.
- **Fieldwork Skills:** Ability to work in challenging environments, conduct surveys, and collect accurate data.
- **Communication and Advocacy:** Effectively engaging with stakeholders, policymakers, and the public to promote conservation goals.
- **Interdisciplinary Knowledge:** Combining biology with fields like economics, sociology, or technology to address complex conservation challenges.

Mr. Aditya Mhatre Asst. Professor, Dept. of Biodiversity, Wildlife Conservation and Management



Careers in Statistics

What is Statistics?

"Statistics" is the branch of mathematics that deals with the collection, presentation, analysis, and interpretation of data.

Professionals, who use statistics to design, collect and interpret data in different fields of industry are called **"Statisticians"**

Statistics include the fields of Marketing, Economics, Biology, Public health, Sports, Medicines, and many others.

Statistics can be used in **Scientific Research fields** such as Economics, Medicine, Demography, Psychology, Agriculture, and Advertising, etc.

Branches of Statistics:

Descriptive Statistics: It uses the data to provide a description of the population in a summarized way through graphs, numerical calculations, tables, etc.

Inferential Statistics: It uses a random sample of data taken from a population to describe and make inferences about the population.

Courses:

Bachelor Courses:

- Bachelor of Science (B.Sc.) in Statistics
- Bachelor of Arts (B.A.) in Statistics
- Bachelor of Science (Applied Statistics and Analytics)

Master Courses:

- Master of Science (M.Sc.) (Statistics)
- Master of Science (M.Sc.) (Applied Statistics and Analytics)
- Master of Arts (M.A.)

Doctoral Courses:

• PhD in Statistics

Eligibility:

- For Bachelor courses after 12th with Mathematics and Statistics as a compulsory subject.
- For admissions in Master courses students should have a bachelor's degree in statistics from any recognized university with the good number of marks. (There may be entrance exams)
- Candidates seeking for admission in Doctoral courses must hold a masters degree like M.Sc. in Statistics. (with NET or SET qualified)

Institutes in Mumbai for UG program:

- VPM's B. N. Bandodkar college of Science (Autonomous), Thane.
- Mithibai College (Autonomous), Vile Parle (West)
- Sathaye College (Autonomous), Vile Parle (East)
- Ruia College (Autonomous), Matunga (East)
- D. G. Ruparel College, Mahim (West)
- Bhavans College (Autonomous), Andheri (West) and many more.

Institutes in Mumbai for PG program:

- IIT Bombay- Indian Institute of Technology, Powai
- Department of Statistics, University of Mumbai, Kalina, Santakruz (East)
- NMIMS college, Vile Parle (East)



- Mithibai College, Vile Parle (East)
- KC College, Churchgate (East)
- S K Somaiya College, Vidyavihar (East)
- Ramniranjan Jhunjhunwala College, Ghatkopar (West)

Top colleges in India other than Maharashtra which offer courses in this field are:

- Indian Statistical Institute, New Delhi
- Indian Statistical Institute, Bangalore
- Indian Statistical Institute, Kolkata
- Xavier's College, Ahmedabad
- University of Delhi, New Delhi
- Devi Ahilya Vishwavidyalaya: School of Statistics, Indore

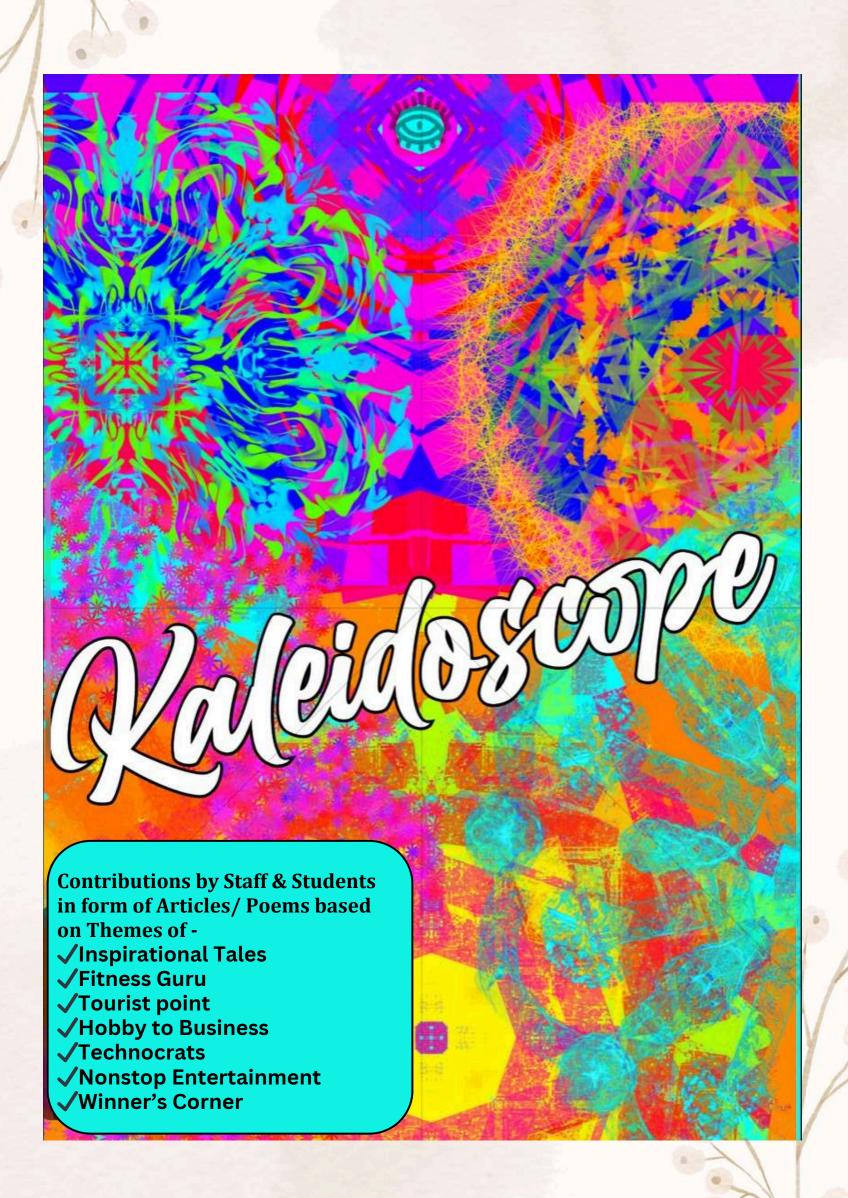
What can you do with a Statistics Degree?

- This career offers great job opportunities in India and also in abroad.
- The statisticians and their analytic skills are highly demanded in today's job market.
- You can use statistics in various fields such as business, industry, agriculture, government, private, computer science, scientific, health sciences & other disciplines.
- Those complete the degree, one can optional practicing training for finance, analytics, software development, actuarial science & many more options.

Government Jobs:

- Indian statistical services
- Junior Scientist and Senior Scientist in the Ministry of Statistics and Program Implementation
- Research and Development
- Politics analyst
- Ministry of Statistics
- Statistical officer in the Ministry of Health, Education, Agriculture, and Finance.
- Data analyst or Researcher in National Sample Survey Office, Indian Council of Medical Research (ICMR), Central Bureau of Health Intelligence (CBHI)
- **Job Titles:** Statistician, Professor, Business Analyst, District Statistician, Risk Analyst, Data Analyst, Content Analyst, Statistics Trainer, Data Scientist, Consultant, Biostatistician and Econometrician
- Duties of a Statistician:
- Collecting and analyzing the data.
- To design experiments or surveys to collect the required data.
- Applying statistical methods to solve practical problems in business, science and other fields.
- Writing reports and articles of their analysis.
- Presenting results to clients or authorities.
- Salary: A statistician earns a very handsome salary package in India and abroad.

Mr. Abhishek Bandivadekar, Asst. Professor,
Department of Statistics



Vidya Prasarak Mandal's

B.N. Bandodkar College of Science (Autonomous), Thane Junior and Degree College Programmes offered by the College

POST SSC COURSES (Junior College) XI, XII Science Mathematics, Languages (Optional Sanskrit & Geography) Bi-focal Computer Science & Information Technology

POST HSC PROGRAMMES Convocation Certificates are awarded by University of Mumbai

List of Undergraduate and Postgraduate Programmes

No.	Code	Programme Name
1	BUBC	B.Sc. Biochemistry
2	BUBT	B.Sc. Biotechnology
3	BUBO	B.Sc. Botany
4	BUCH	B.Sc. Chemistry
5	BUCS	B.Sc. Computer Science
6	BUHS	B.Sc. Human Science
7	BUIT	B.Sc. Information Technology
8	BUMT	B.Sc. Mathematics
9	BUMB	B.Sc. Microbiology
10	BUPH	B.Sc. Physics
11	BUST	B.Sc. Statistics
12	BUZO	B.Sc. Zoology

Sr Programme

Value Added **Certificate Courses** (38)

Sr. No.	Programme Code	Programme Name
1	BPBW	M.Sc. (By Papers) Biodiversity and Wildlife Conservation and Management
2	BPEV	M.Sc. (By Papers) Environment Science
3	BPIT	M.Sc. (By Papers) Information Technology
4	BPCH	M.Sc. (By Papers) Organic Chemistry
5	ВРРН	M.Sc. (By Papers) Physics
6	BPDS	M.Sc. (By Papers) Data Science
7	BPCP	M.Sc. (By Papers) Clinical Psychology
8	BPBO-R	M.Sc. (By Research)Botany
9	BPCH-R	M.Sc. (By Research) Organic and Physical Chemistry
10	BPPH-R	M.Sc. (By Research) Physics
11	BPZO-R	M.Sc. (By Research) Zoology

1	Ph.D. Botany
2	Ph.D. Organic and Physical Chemistry
3	Ph.D. Environment Science
4	Ph.D. Physics
5	Ph.D.Zoology
	TOTAL = 05 Doctoral Programmes

YCMOU PROGRAMMES

Bachelor's Programme B.L.I.Sc.: Master's Programme M.L.I.Sc. Diploma in Journalism and Mass Communication (P/T) Bachelor of Computer Applications (BCA) Master of Computer Applications (MCA)

Inspirational Tales

Sudha Murthy's Inspirational Journey



Image Credit: commons.wikimedia.org

Sudha Murthy, a name synonymous with compassion, intellect and storytelling, is a celebrated author. She is a social worker, a philanthropist and has made an incredible mark on Indian society. She spent her life championing education, women's empowerment and rural development. She was born in a simple family, where her father, a school teacher and her mother, a homemaker, instilled in her the values of hard work and humility. She pursued engineering and became the first woman engineer in her college. Later, she completed her master's in computer science from the Indian Institute of Science (IISc), Bengaluru, where she excelled academically and earned a gold medal.

Sudha Murthy is widely known for her philanthropic endeavors through the Infosys Foundation, which she co-founded with her husband, Narayana Murthy, the founder of Infosys.

As the chairperson of the foundation, she has spearheaded numerous initiatives focusing on education, healthcare, rural development, and poverty alleviation. Under her leadership, the foundation has built libraries, schools, and hospitals in remote areas. Her efforts have provided scholarships to countless underprivileged students, enabling them to achieve their dreams. She has also worked tirelessly for the empowerment of women, ensuring that they have access to education and employment opportunities.

One of the key aspects of her character is her simplicity. Despite her vast achievements, she remains grounded and lives a modest life, showing that success does not need to come with arrogance. Apart from her philanthropic work, Sudha Murthy is an accomplished writer who has authored numerous books in English and Kannada. Her works include novels, short stories, children's books, and nonfiction. Her simple yet profound storytelling style has resonated with readers of all ages. The stories reflect her life experiences, values, and observations of human nature often carrying powerful messages about kindness, integrity, and resilience.

Sudha Murthy's life is a testament to the power of education, empathy, and perseverance. As a trailblazer in both the corporate world and social service, she continues to inspire millions with her dedication to creating a better society. Her ability to balance multiple roles as a wife, mother, philanthropist, and writer has made her a role model for generations. Through her work, Sudha Murthy has shown that true success lies in uplifting others, spreading knowledge, and staying rooted in humility. Sudha Murthy exemplifies that true success is not just measured by professional accomplishments but by the impact one has on others' lives. She remains a beacon of hope and a symbol of positive change in a rapidly evolving world.

-Ms. Asba Ansari, Assistant Professor, Department of Environmental Science

Beyond Business: Ratan Tata's Vision for a Better Tomorrow

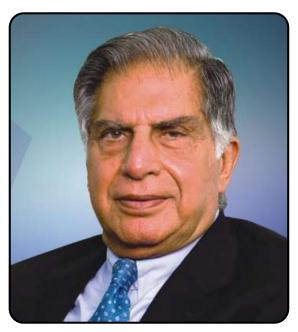


Image Credit: ilc2020.in

Ratan Tata is not just a name in the business world; he is a symbol of integrity, resilience, and humility. Born in 1937, Ratan Tata grew up under the shadow of his illustrious family legacy, yet he carved out his own identity as a leader who showed us all what it meant to lead with compassion and purpose. Ratan Tata has been such an inspiring personality not just due to his business knowledge, but the way he has managed to stay grounded despite achieving extraordinary success. For years, he led the Tata Group, one of India's oldest and most respected amalgamation, with a focus on ethical growth and people-centric values. His ability to make bold, calculated decisions while upholding the values of integrity and respect for others sets him apart as a leader who thinks beyond profits.

One of his most powerful quotes "I don't believe in taking right decisions. I take decisions and then make them right" speaks volumes about his mind-set. It's a reminder to all of us that it's okay to make mistakes as long as we have the courage to stand by our choices and learn from them. His belief in action, rather than hesitation, has inspired countless individuals to take risks and pursue their dreams, even when the path is uncertain. Another core value that he has consistently demonstrated is his commitment to people. Throughout his career, he emphasized that businesses should not just focus on profits but should also serve the communities they are part of. His belief in corporate responsibility and philanthropy has led him to make significant contributions through the Tata Trusts, improving education, healthcare, and rural development across India. His generous spirit and sense of duty toward society remind us that success is not only about what we achieve for ourselves but also about how we can uplift others along the way. His leadership through adversity showed the world that staying true to your values, even in the face of crisis, can ultimately lead to success.

In essence, Ratan Tata is an example of how one can lead with humility, serve with compassion, and achieve with integrity. His life story is a powerful reminder that true leadership isn't about titles or accolades, it is about the positive impact you make on others. His enduring legacy continues to inspire millions, urging us all to live with purpose, to take responsibility for our actions, and to never stop striving to make the world a better place.

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

The Elephant Whisperers: Bridging the gap between Humans and Wildlife



Image Credit: thehindu.com

In today's world, where environmental issues seem to dominate headlines, there's a special kind of magic in stories that show us how humans and nature can thrive together. The Elephant Whisperers (2022), directed by Kartiki Gonsalves, is one such story. This heart-warming documentary, which won the Oscar for Best Documentary Short Film and boasts an impressive IMDb rating of 7.3 and a 100% score on Rotten Tomatoes, takes us deep into the lush forests of Tamil Nadu. It follows the lives of Bomman and Bellie, a couple who dedicate themselves to caring for orphaned elephants. While the film tugs at your heartstrings, it also delivers powerful lessons about ecology, conservation, and the delicate balance of coexistence.

The film introduces us to the bond Bomman and Bellie share with these gentle giants and it's truly touching to watch. There's more to these elephants than just their charm they play a vital role in their ecosystem. Elephants are what scientists call "keystone species," which means they have an outsized impact on their environment. Through their movements and behaviors, they help shape the landscape, spread seeds, and support other species. Seeing this play out on screen isn't just fascinating; it is a reminder of how interconnected life is.

For students and nature lovers, 'The Elephant Whisperers' is a goldmine of real-world learning. It brings concepts like ecological interdependence and animal behavior to life in ways no textbook ever could. The film also shows the emotional intelligence of elephants their ability to grieve, play, and connect with others. Watching them interact with Bomman and Bellie makes it impossible not to feel a deeper respect for these incredible creatures. One of the most inspiring aspects of the documentary is how it highlights the role of indigenous knowledge. Bomman and Bellie's understanding of elephant behavior is not learned in a laboratory but it is rooted in generations of experience and tradition. Yet, it works seamlessly alongside modern conservation efforts. This blend of traditional wisdom and scientific approaches is a key takeaway from the film sometimes the best solutions come from combining the old and the new.

Visually, the documentary is nothing short of stunning. The camera captures every detail, from the elephants' playful splashes in water to the breath taking beauty of Tamil Nadu's forests. It is not just a film; it is an experience, and it feels like been transported to a different world. At its core, 'The Elephant Whisperers' is a story about empathy for wildlife, for nature and for each other. Whether a science student, a wildlife enthusiast, or simply someone who loves a good story, this film is bound to leave us inspired. It is a heartfelt reminder that when we nurture nature, it has a remarkable way of nurturing us in return.

-Mr. Aditya Mhatre, Assistant Professor, Department of Biodiversity, Wildlife Conservation and Management

थोर समाजसुधारक सावित्रीबाई फुले

केवळ पहिली महिला शिक्षिका नव्हे, तर समता स्थापन करण्यासाठी उभारलेल्या 'सत्य शोधक समाज' च्या सह-संस्थापिका बालिववाह, गर्भातच मुलींना मारणे, सती, याविरोधात कार्य करणाऱ्या 'मिहला सेवा मंडळी'च्या संस्थापिका फसलेल्या विधवांचा सांभाळ करण्यासाठी उभारलेल्या 'बाल हत्या प्रतिबंधक गृह'च्या संस्थापिका विधवा केशवपनाच्या विरोधात न्हाव्यांचा संप घडवून आणणाऱ्या महिलांना जातींच्या बंधनांना झुगारून बैठकांसाठी एकत्र बसायला प्रेरित करणाऱ्या जोतिबांच्या मृत्यूनंतर त्यांचं टिटवं समाजाच्या विरोधात जाऊन समर्थपणे घेणाऱ्या 'काव्य फुले' आणि 'बावन्न कशी सुबोध रत्नाकर' हे दोन काव्यसंग्रह लिहीणाऱ्या जोतिबांच्या भाषणांचं संपादन करून प्रसिद्ध करणाऱ्या पुण्यातील प्लेगच्या साथीत जनतेच्या सेवेसाठी सर्वस्व वाहून दररोज 2000 मुलांना मोफत जेवू घालणाऱ्या आणि त्याच जीवघेण्या साथीत सेवा करत करत स्वतःचा अखेरचा श्वास घेणाऱ्या सावित्रीबाई फुलेंची ओळख केवळ पहिली महिला शिक्षिका किंवा जोतिबांची सावली म्हणून न करता त्यांना एक स्वतंत्र सामाजिक कार्यकर्ती म्हणून पहायला हवं

-प्रा. बिपिन धुमाळे मराठी भाषा विभाग प्रमुख



Image Credit: pinterest.com

पांडुपुत्र अर्जुन: परिपूर्ण प्रेरणास्रोत

त्याचा स्वाभिमान, त्याचे राज्य, खेचून घेणारा आणि त्याच्या कौशल्यावर बोट उचलणाऱ्या लोकांना माफी देऊन स्वताला लोक रणछोड म्हणतील याचा विचार न करता तो रणभूमीतून मागे फिरायला तयार होता. कधी प्रेमाने त्याला बंधू म्हणून हाक देखील त्यांनी मारली नसावी परंतु त्याच भावासाठी तो शस्त्र सोडायला तयार होता. शुर योद्धा म्हणजे काय? याचे उत्तम उदाहरण तो. पण त्याच्या योग्यतेला अजून नाकरलेच जाते. योग्य व्यक्तींना समाज हा निकामीच समजतो परंतु या सर्व नकारात्मकतेवर दुर्लक्ष करून तो पुढे चालत राहिला आणि ह्या सकारात्मकतेनेच त्याला या विश्वातील सर्व श्रेष्ठ धनुर्धर बनवले. त्याला अजून देखील पूर्ण पद्धतीने समजणारे मोजकेच आहेत आणि त्या पैकी त्याचा एक साधारण चाहता मी. माझ्या मते श्री कृष्ण नंतर आपल्या महाभारताच्या इतिहासाचे पांडू पुत्र अर्जुन सर्व श्रेष्ठ वीर योद्धा होते.

अर्जुनची जीवनगाथा ही आज़च्या पीढ़ीला, युवकांना आयुष्यातील मोठयात मोठा प्रश्नाची उत्तरे देते. अर्जुनच व्यक्तीमहत्व, त्याचे विचार हे मला जास्त आकर्षित वाटतात. त्याने स्वर्गातील सर्वात सुंदर अप्सरा, उर्वशी ला नाकारले. येवढ्या सुंदर स्त्री ला नाकारून त्याने स्वतच्या पुरुषत्व चे उदाहरण तिकडे दाखवले. इतर पुरुष तिकडे तिला पाहून भुळला असता परंतू त्याला त्यांनी काहीच फरक नाही पडला कारण त्याला स्वतःची मर्यादा ठाऊक होती आणि प्रेम आणि मोहात ला फरक देखील.

परंतु; त्यांची काहीच चूक नसून पण त्याला जो श्राप मिळाला त्यानें तो स्वीकारला समोरच्याची चुक न पाहता जे काही घडले त्यात माझ काय चुकले असे विचार ठेवणे हेच चांगुलपणा आणि परिपक्वता चे लक्षण आहे. त्याचे आयुष हे आताच्या विश्वाला दाखवते कि, दोन विद्यार्थि जे त्यांच्या महाविद्यालयात शिकत असतात. प्रत्येक विद्यार्थि हा आपले काही स्वप्न घेऊन येतो पण त्याला त्याच्या मार्गावरून भटकवणारे खूप लोक असतात. हेच त्या दोघा सोबत पण होते. काही लोक त्यांना भटकवणाचा प्रयत्न करतात यातला एक विद्यार्थि भटकतो पण दुसरा नाही कारण त्याला माहित असते की हे चुकीचे आहे. पण; बाकी सर्व त्याला चुकीचा ठरवतात आता हे काही पण असू शकते जसे की त्या मुलाला कोणता तरी हानीकारक व्यसना चा अधीन पाडणे. कोणी तरी म्हणतो अरे सिगरेट पी काही नाही होत. तर कोणी आपल्याला विरुद्ध लिंगा वर चुकीच्या हेतू ने आकर्षित होण्यासाठी सांगतो. अशा वेळी जेव्हा; आपण या सर्वाचा विरोध करतो. तेव्हा आपल्यालाच चुकीचे संबोधले जाते हे सर्व चुकीच आहे. म्हणून आपण त्या गोष्टी कडे जात नाही आणि सत्या च्या बाजूने उभे राहतो पण लोक आपल्यालाच चुकीच ठरवतात.

आताचा काळ खूप भयानक बनला आहे. सोशल मीडिया एक चांगले साधन आहे. परंतू, त्यावर लोक आपल्या मर्यादा ओलांडून वागायला लागले आहेत. आताच्या काळात उठसुठ मुलींना बलात्काराच्या धमक्या दिल्या जातात आणि जेव्हा कोणी यांचा विरोध करतो तेव्हा त्यालाच चुकीचे, मागास आणि जुनी विचारधारणा असलेला मानले जाते. पण ही योग्य विचार धारणा आहे. पण; आज चे लोक हे समजून नाही घेत. तो व्यक्ती सत्याच्या आणि मानवतेच्या बाजूने आहे परंतू त्यालाच दोषी आणि चुकीच समजले जाते तसेच जसे अर्जुन बदल विचार केले जातात. महाभारताच्या युद्धात तो सत्या च्या बाजूने होता. त्यानें युद्ध हे सत्या साठी लढलेले परंतु आज त्याला एक कायर म्हटले जाते. त्यानें निहत्या कर्णवर वार केला असे लोक म्हणतात आणि तो अहंकारी होता म्हटले जाते. सत्या च्या बाजूने असणाऱ्या ला कधीच जग स्वीकारत नाहि. ह्या वर्तमानात असे किती अर्जुन आहेत ज्यांच्या बरोबर मुद्यांना जगात चुकीच मानले जाते त्यांना चुकीच समजून बोलून त्यांचा विरोध केला जातो पण तरी ते लढतात कारण योग्य काम करणारा व्यक्ती किती ही चुकीचा दिसला तरी सर्वासमोर त्यांची योग्यता ही येतेच. अर्जुन ला भलेही आज ची पिढी ही चुकीचा आणि कमजोर योद्धा मानत असली तरी तो परमात्मा श्री कृष्ण साठी जिंकलेला. त्या युगात त्याला एक सर्वश्रेष्ठ योद्धा मानलेले. म्हणजे शेवटी संदर्भ काय? आयुष्यभर तुम्ही सत्याच्या बाजूने उभे राहिल्या बद्धल कितिदाही बोलले गेलात तरी जर तुम्ही तुमची बाजू सोडला नाहीत तर तुम्हची योग्यता एक ना एक दिवस नक्कीच या विश्वाला समजेल आणि हेच आपण अर्जुन ची जीवनगाथा पाहन शिकतो.

Fitness Guru

Stress Management with Simple Home Remedies

Stress has become a common part of modern life, impacting mental, emotional, and physical well-being. While it's impossible to eliminate stress completely, managing it effectively is crucial for maintaining a balanced life. Thankfully, simple home remedies can help reduce stress naturally and restore a sense of calm.

One of the easiest ways to relax is by drinking herbal teas. *Chamomile* tea is known for its calming effects and can help reduce anxiety and improve sleep. Peppermint tea is another great option, as it can relieve tension headaches and promote relaxation. Aromatherapy is another effective way to manage stress. Essential oils like lavender, eucalyptus, and rose are well-known for their soothing properties. Lavender oil, in particular, is useful for relaxation; it can be diffused in the air or added to a pillow for a calming effect. *Eucalyptus* oil helps clear the mind and ease stress-induced fatigue, while rose or jasmine oil can uplift mood and alleviate emotional stress. Deep breathing exercises can also be beneficial in managing stress. These exercises increase oxygen levels, helping to calm the nervous system. One simple method is the 4-7-8 technique: inhale for 4 seconds, hold the breath for 7 seconds, and exhale for 8 seconds. Repeating this for a few minutes can provide instant relief and help clear a busy mind.

Taking a warm bath with Epsom salt is another way to reduce stress. The magnesium in Epsom salt helps calm the body and mind, while the warm water relaxes muscles and soothes tension. Adding a few drops of lavender oil to the bath can enhance the relaxation process. Staying hydrated and eating mindfully can also help manage stress. Incorporating stress-reducing foods into the diet, such as dark chocolate, bananas, and oranges, can be beneficial. These foods contain vitamins and minerals that help combat stress, like antioxidants, vitamin B6, and vitamin C. Gentle physical activities like walking, yoga, and stretching are great ways to reduce stress. A short walk outdoors allows someone to connect with nature and clear their mind. Yoga can relieve tension and promote mental clarity, while simple stretching exercises help release muscle tightness caused by stress. Acupressure is another easy way to relieve stress at home. Applying gentle pressure to certain points on the body can help ease tension. For example, pressing between the eyebrows for 1-2 minutes can calm the mind, while massaging the area between the thumb and index finger can help with tension and headaches.

Writing in a gratitude journal is a simple but effective way to shift focus away from stress. By jotting down things to be grateful for each day, individuals can improve mental clarity, reduce anxiety, and foster a positive mindset. Listening to soothing music or nature sounds can also help reduce stress. Calming instrumental music or sounds like rain or ocean waves can help the body relax and ease a busy mind. Limiting the caffeine intake and reducing screen time can help lower stress levels. Replacing evening coffee with herbal tea and taking regular breaks from devices can significantly improve mood and sleep quality. These simple home remedies show us that managing stress doesn't have to be expensive or complicated. Regularly practicing these can help individuals feel more relaxed, focused, and balanced. Small, consistent efforts like these are a guide to achieving a happier and stress-free life.

-Dr. Jayashri Jagtap, Assistant Professor, Department of Botany



Tourist Point

सफर अलास्काची!

२०२४ मध्ये अलास्का प्रांताची सफर करण्याचा योग् आला. या प्रवासाचे ठळक अनुभव या लेखामध्ये मांडले आहेत. तसेच अलास्काची भौगोलिक स्थिती, नैसर्गिक सौंदर्य, सांस्कृतिक वैशिष्ट्ये आणि त्याचे प्रमुख आकर्षण यावर चर्चा केली आहे.

विशिष्ट भौगोलिक स्थान असलेले, विविध महासागरांनी वेढलेले, अलास्का अमेरिकेतील एक अत्यंत सुंदर आणि अद्वितीय राज्य आहे. त्याच्या उत्तरेला आर्क्टिक महासागर, पश्चिमेला बेरिंगची सामुद्रधुनी आणि दक्षिणेला पॅसिफिक महासागर आहे. सुंदर पर्वत, तलाव, जंगल आणि समुद्रिकनाऱ्यांमुळे हे राज्य अनेक जादुई निसर्गदृश्यानी समृद्ध आहे.

अलास्का १८६७ मध्ये रशियाकडून अमेरिकेने खरेदी केला. त्यावेळी हा प्रदेश ७.२ मिलियन डॉलर्समध्ये खरेदी करण्यात आला होता. तेव्हापासून तो अमेरिकेचा एक अविभाज्य भाग झाला आहे. नगण्य किमतीत अलास्का

सारखा नयनरम्य प्रदेश मिळवून झालेला हा सौदा अमेरिकेसाठी खासच म्हणायला हवा.

भौगोलिकरित्या अलास्काचे सहा भाग केले जातात. उत्तर दिशेचा भाग म्हणजे कडाक्याची थंडी असलेला आर्क्टिक प्रदेश; पश्चिमेकडील काही बेटे त्या मानाने थोडी कमी थंड. अलास्कातील मध्य आणि दक्षिण भागातील प्रदेशांत उन्हाळ्यात चांगला सूर्यप्रकाश असतो. तसेच ऊबदार हवामानमुळे हे भाग बऱ्यापैकी राहण्यायोग्य आहेत. या राज्यातील मुख्य आकर्षण म्हणजे विविध हवामान परिस्थितीमुळे तेथे असलेल्या निसर्गाची विविधता, जी पर्यटकांना एक अद्वितीय अनुभव देते.

अलास्कात सहली करण्यासाठी अनेक साधनांचा वापर केला जाऊ शकतो. अलास्कात मोठ्या प्रमाणात मोटरकारने, रेल्वेने आणि सागरी मार्गाने सहली आयोजित केल्या जातात. या सर्व मार्गांनी अलास्काच्या विविध शहरी आणि निसर्गदृश्यांचा सहजपणे अनुभव घेता येतो. अलास्कात असलेली रेल्वे रूट्स आणि मोटरकार रस्ते विविध शहरांमधून जोडलेले आहेत. शिवाय अलास्का मधील काही भाग इतके दुर्गम आहेत की तेथे रेल रोड अथवा रस्ता बांधणे शक्य नाही; या ठिकाणी केवळ हवाई मार्गाने पोहोचता येते! त्यामुळे हवाई मार्गाने अलास्का अनुभवणाऱ्यांची संख्याही खूप मोठी आहे. खास बाब म्हणजे येथे बऱ्याच लोकांकडे खाजगी विमाने आहेत.

अलास्कात असलेली प्रमुख शहरे आणि स्थळे म्हणजे ॲंकरेज, फेयरबॅंक्स, जूनो इत्यादी आहेत. अत्यंत दुर्गम भाग असला तरी या शहरांमध्ये सुसज्ज परिवहन व्यवस्था आणि प्रवासासाठी आवश्यक सुविधा आहेत. बर्फावर चालणे, बर्फात स्कीइंग करणे, पर्वतारोहण करणे, यांमुळे अलास्का साहसी पर्यटनासाठीचे प्रमुख केंद्र बनले आहे. अलास्का हा ध्रुवीय प्रदेश असल्यामुळे सहा मिहने 'Midnight Sun'- 'मध्यरात्रीचा दिनकर' आणि सहा मिहने 'काळोखी दिवस' अनुभवण्यासाठी देखील पर्यटक मोठ्या संख्येने येथे येतात.

आम्ही सात दिवस या अद्भुत प्रदेशात राहिलो. पाच दिवस अँकरेज व दोन दिवस सुवर्ड हे प्रदेश व आजूबाजूच्या परिसरात भटकलो. तलकीतना नावाचे टुमदार गाव, नयनरम्य केनाई फयोर्ड्स, रमणीय केनाइ द्वीपकल्प, एक्झिट ग्लेशियर, अलायस्का प्रदेश, मातानुस्का हिमनदी या प्रदेशांत सृष्टीसौंदर्याचा मनमुराद आनंद लुटला.

या प्रवासात काही अलास्कन वन्यजीवांचे देखील दर्शन झाले. bald eagles, 'tufted puffins' हे रुबाबदार पक्षी; सी लायन्स, सी ऑटर्स, मूस नावाचा हरणासारखा प्राणी, अस्वले, डॉल शिप नावाच्या मेंढ्या, लांडगे, कॅरीबू जातीचे हरिण इत्यादी वन्य प्राणी बिघतले. निसर्गाच्या जवळ नेणाऱ्या या सहलीने आम्हला अनुभवसमृद्ध केले.

('A La Carte अलास्का!' ही विस्तृत लेखमाला विद्या प्रसारक मंडळाच्या दिशा मासिकात क्रमश: प्रसिद्ध होत आहे. त्या मालिकेचा हा सारांश!)



Image Credit: handpickedalaska.com

-डॉ. जयश्री पवार, सहाय्यक प्राध्यापिका, जैवतंत्रज्ञान व सूक्ष्मजीवशास्त्र विभाग



बहरणारी कारवी आणि बेफान तरुणाई

कारवी या वर्षी (२०२४) ऑगस्ट - सप्टेंबर महिन्यात सह्याद्रीच्या उंच सखल भागात बहरली . कारवी हा एक Genus असून त्याचे बोटॅनिकल नाव strobilanthus आहे आणि याच्या ४०० प्रजाति आहेत. त्यातल्या काही प्रजाति आपल्या भारता मध्ये काही विशिष्ट प्रदेशामध्ये च सापडतात त्यांना आपण प्रदेशनिष्ट (Endemic) म्हणून संबोधतो. प्रत्येक प्रजातिचा आपला उमलण्याचा एक विशिष्ट कालावधी असतो म्हणूनच या वर्षी जी कारवी उमलली तिला विशेष महत्व होत, कारण ती सात वर्षांनी उमलली. जांभळ्यानिळ्या रंगाची उधळण करत ही कारवी सर्वत्र बहरली.

निसर्गाची ही किमयाच म्हणाना! जितक तिचे फुलणे आकर्षक तितकेच अनाकलनिय आणि काळजी घेण्या सारखे आहे. कारण आधी सांगितल्या प्रमाणे कारवी च्या बऱ्याच प्रजाति आहेत त्यातल्या काही ८, १०,१६ वर्षांनी उमलतात. त्या त्यांच्या आयुष्या मध्ये एकदाच उमलतात, त्यांचे परागीकरण होते, त्यांच्या बिया तयार होतात आणि नंतर त्या मरतात. म्हणजे ही फुले त्यांच्या आयुष्या मध्ये एकदाच बहरतात. यांना scientific भाषे मध्ये monocarpic म्हणतात. कारवीचे बहरणे आणि तिच्या बिया तयार होणे निसर्गासाठी महत्वाचे आणि संवेदनशील आहे.

एक शास्त्रीय संशोधन असे नमूद करते की कारवीची एक प्रजाती १८६४ मध्ये उमललेली. तिचा शास्त्रीय अभ्यास केला गेला पण तो अपूर्ण राहिला. त्यानंतर ही प्रजाती उमलली नाही. म्हणून तिला नामशेष (Extinct) घोषित केले गेले. पण तिच प्रजाती २००८ साली उमलली. २०१८ साली या प्रजातिच पुन्हा फुलांनी मोहरणं नोंद केल गेल. किती गंमतशीर आहे तिचे उमलणे! म्हणजे तिच्या मर्जी प्रमाणे आणि पुनरुत्पादना च्या अनुकूल परिस्थिती प्रमाणे ती बहरते. अशा या अनोख्या वनस्पतीच्या फुलांचा अभ्यास करणे हे किती जिकीरीचे आणि मोलाचे काम आहे. पण हा अभ्यास करणाऱ्या शास्त्रीयांची आणि वनस्पती प्रेमींची या वर्षी ची व्यथा च निराळी आहे.

जशी ही वनस्पती मन मर्जी प्रमाणे उमलते तशीच आपली तरुणाई आपल्या मर्जी प्रमाणे कुठेही, कशीही आणि कशासाठी ही अचानक प्रकट होते. तरुण मुले आणि मुली या वर्षी बऱ्याच ठिकाणी जिथे कारवी मोहरलेली तिथे आढळली. काही मोजकीच मुले निसर्ग प्रेम किंवा त्याचा अभ्यास म्हणून तिथे होती. पण असंख्य मुले ही You tube reels, Instagram, Facebook किंवा Whatsapp च्या त्यांच्या updated status फोटों च्या मोहापायी आलेली होती.

यातील काही मुले आपल्या पालकां सोबत आलेली होती. आपला पाल्य सरास कारवी ची फुले तोडतोय याचे ते जाणून बुजून दुर्लक्ष करत होते. ही सर्वात खंताची बाब आहे. तुम्ही म्हणाल की, अशी घटना घडली तरी कुठे? ते स्थळ येथे सांगा. आणि या मासिकाच्या नियमा प्रमाणे पर्यटन स्थळाची सविस्तर माहिती देण्याचा नियम आहे. पण मुद्दामहुन हि माहिती मी देत नाही. कारण पुढच्या कारवीच्या हंगामात तिथे जास्त लोकांनी जावू नये. जेवढे या हंगामात नुकसान झाले. तेवढे पुढे होवू नये. Reels बनवण्यासाठी, फोटो काढण्यासाठी मुले अगदी खूप आत कितीतरी झुडूपानां पायदळी तुडवत जात होती. किती तरी मुले आपल्या मैत्रीणींना फुलांचा गुच्छ करून भेट देत होती.

काही मुलींनी आपल्या केसांमध्ये फुले माळली होती. निसर्ग जो फुलांचा उत्सव साजरा करत होता त्याला गालबोट लावण्याचे काम या तरुणाई कडून चालले होते. ज्या गोष्टी ची आपण निर्मिती केली नाही, जिची जोपासना आपण करत नाही तिला असे ओरबाडून तिचा उपभोग घेण्याचा अपुल्या ला हक्क नाही. हा साधा निसर्गाचा नियम मुलांना माहिती नाही. या फुलांनवर असंख्य किटके, फुलपाखरे आणि पक्षी कोणत्या ना कोणत्या कारणा साठी अवलंबून असतात.

अशा सगळ्या नैसर्गिक जीव मात्रांचा त्यांच्या जिवन चक्राचा फुले तोडून आपण समतोल बिघडवत आहोत याची जराशी ही जाणीव या मंडळीना नाही. प्रत्येक गोष्ट पुस्तकातून शिकवली जात नाही. अथवा शिक्षकांनी ती शिकवावी ही अपेक्षा बाळगणे चुकीचे आहे. काही बाबींच्या जाणीवा या उपजत असतात किंवा त्या तशा नसतील तर आपण परिस्थिती नुसार आपल्यात निर्माण कऱ्याव्यात. या लेखा च्या माध्यमातुन येणाऱ्या पिढीला मी आव्हान करते की, थोडे तरी निसर्गभान आपण जपा नाहीतर येणाऱ्या आपल्याच पिढींचे हात रिकामे असतील.



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Dubai - the gleaming jewel of the UAE

A place that once was a desert landscape and humble dwellings has evolved into a sprawling metropolis known worldwide for its fantastic skyline and beautiful structures. The evolution of Dubai's architecture is a reflection of the city's rapid growth, the ambition and desire depicting the extravagant design, luxury, and innovation. Dubai's architectural transformation began in earnest in the late 20th century when the city's leadership, particularly under the rule of Sheikh Mohammed bin Rashid Al Maktoum, envisioned a modern and diverse city that would rival any in the world. To have something unique such as architectural landmarks that would become icons paved way for tourism and drawing people from all corners of the world for business and commerce. One of the most striking features of Dubai's architecture is the verticality of the city. Towering skyscrapers and high-rise buildings became the hallmark of the city's skyline, attracting attention on the global stage.

The Burj Khalifa, the tallest building in the world, is undoubtedly the most iconic of these structures. Standing at 828 meters tall, it is not just an engineering marvel but also a symbol of Dubai's bold ambitions. The building's spire-like silhouette, which tapers as it rises, was inspired by the regional desert flower *Hymenocallis*, while the sleek glass exterior reflects Dubai's commitment to modernity and sophistication. The Burj Khalifa is more than just a tall building; it is a city within a city. It houses offices, residential apartments, luxury hotels, and even the observation decks that offer sweeping views of Dubai's spectacular skyline.

The Palm Jumeirah, another extraordinary example of Dubai's architectural innovation, is a testament to human skill and creativity. This man-made island, shaped like a palm tree, houses luxury resorts, residential areas, and retail outlets. It is a feat of both civil engineering and architectural design. The island is home to the famous Atlantis, The Palm resort, which combines traditional Arabian and modern design, featuring luxurious interiors and stunning views of the Arabian Gulf. This extraordinary work started in 2001 and was near completion within 10 years. The View- Palm Jumeirah offers an amazing experience of the design from the top making it a must visit spot for tourists.

Dubai's Museum of the Future is one of the most anticipated architectural and cultural projects in the world, a space that promises to redefine the way we think about innovation, technology, and the future of humanity. Located in the heart of Dubai, the museum stands as an excellent symbol of the city's commitment to shaping the future. It is an immersive experience with voice overs and stunning visuals of the future. Visitors can experience cutting-edge exhibits and participate in interactive displays that explore topics ranging from robotics to sustainable living, offering a glimpse into the future of technology and society.

While Dubai's rise to fame has been fueled by its focus on monumental, eye-catching structures, the city has also made strides in incorporating sustainable design practices into its architecture. Given the city's harsh desert climate, architects have had to be innovative in finding ways to reduce energy consumption and create buildings that can withstand the extreme heat and sandstorms. The city's focus on innovation, sustainability and cultural fusion has set new standards for modern architecture, and its bold approach continues to inspire cities around the world. As Dubai looks to the future, it is clear that its skyline will remain a testament to the limitless potential of human creativity and ambition.

-Ms. Saloni Sheth, Assistant Professor, Department of Environmental Science

Sanyuja 2024-25





Image Credit: www.researchgate.net

पृथ्वीवरील स्वर्ग : काश्मीर

अनेक वर्ष मनात होतं की छान काश्मीर फिरून यावं, शेवटी योग आला आणि आम्ही काश्मीर ला पोहोचलो .. आणि तिथले मनोहर दृश्य पाहून खात्री पटली की हाच तो स्वर्ग, सुंदर अप्रतिम. काश्मीर हा भारतीय उपखंडाच्या उत्तर टोकाला वसलेला एक सुंदर प्रदेश आहे. त्याच्या नैसर्गिक सौंदर्यामुळे आणि समृद्ध सांस्कृतिक वारशामुळे काश्मीरने अनेकांची मने जिंकली आहेत.

काश्मीरच्या नैसर्गिक सौंदर्यात बर्फाच्छादित पर्वत, हिरवीगार कुरणे, सुंदर तलाव आणि नद्या यांचा समावेश होतो. दल सरोवरावरील शिकारा राइड्स, गुलमर्गमधील स्कीइंग, पहलगामची शांतता आणि सोनमर्गची सोन्याची कुरणे आपल्याला आकर्षित करतात. केशराचे उत्पादन आणि सफरचंदांच्या बागांसाठीही काश्मीर प्रसिद्ध आहे. श्रीनगर हे डल लेक ची शिकारा राईड, मुगल गार्डन, शंकराचार्य मंदिर आणि ट्यूलिप गार्डन यांसारख्या आकर्षणांसाठी प्रसिद्ध आहे. आम्ही फेब्रुवारी मध्ये गेल्यामुळे भरपूर बर्फ पहायला मिळाला.

आम्ही जेव्हा श्रीनगरहून गुलमर्ग ला जायला निघालो तेव्हाच बर्फ पडायला सुरवात झाली ,गुलमर्ग स्कीइंग आणि गुलमर्ग गोंडोला राईडसाठी प्रसिद्ध आहे . आम्ही जेव्हा गुलमार्ग ला पोहोचलो तेंव्हा बर्फाचे वादळ आले होते त्यामुळे गोंडोला राईड आम्हाला करता आली नाही , बर्फाच्छादित पर्वतांचे सुंदर दृश्य तुम्हाला खिळवून ठेवतात .पहलगाम लिद्दर नदीच्या काठावर वसलेलं ट्रेकिंग, कॅम्पिंग आणि गोल्फसाठी प्रसिद्ध आहे. बेताब व्हॅली चित्रपटांच्या चित्रीकरणासाठी प्रसिद्ध आहे . इथे बेताब या चित्रपटांचे चित्रीकरण झाले होते .

सोनमर्ग ची सोनेरी कुरणे आणि थाजिवास ग्लेशियरचे आकर्षक दृश्य मन मोहवून टाकतात .ज्यांना ट्रेकिंग करायची आवड असेल त्यांनी पहलगाम जवळील अरु व्हॅली ला जरूर जावं . खरंतर काश्मीरला भेट देण्यासाठी मे-जून हा सर्वोत्तम काळ मानला जातो, कारण या मिहन्यांत हवामान आनंददायी असते आणि निसर्ग आपल्या पूर्ण बहरात असतो. पण ज्यांना बर्फवृष्टीचा आनंद घ्यायचा असेल त्यांनी डिसेंबर ते फेब्रुवारी या मिहन्यात जावं. या काळात तापमान खूपच कमी असते, त्यामुळे गरम कपडे आणि इतर आवश्यक वस्तू जरूर सोबत घेऊन जा .

काश्मीरची संस्कृती विविधतेने समृद्ध आहे. येथील संगीत, नृत्य, हस्तकला आणि पाककृतींमध्ये विविधता आढळते. विशेषतः पश्मीना शाली आणि काश्मिरी कार्पेट्स जगप्रसिद्ध आहेत. काश्मीरच्या राजकीय परिस्थितीमुळे काहीवेळा अस्थिरता येते, परंतु येथील लोकांचे आतिथ्य आणि प्रेमळ स्वभाव पर्यटकांना नेहमीच आकर्षित करतात. नैसर्गिक सौंदर्य, सांस्कृतिक विविधता आणि समृद्ध इतिहासामुळे काश्मीर हे नेहमीच पर्यटकांचे आवडते ठिकाण राहिले आहे. तुम्हीही काश्मीर ला जाऊन या आणि आठवणींची शिदोरी सोबत घेऊन या.

-Alumnus, Swati Sheth



Konkan calling: Our Dapoli Adventure

The four-day educational excursion to Dapoli and its surrounding areas provided a valuable opportunity to explore various aspects of ecology, agriculture, and environmental science through a multidisciplinary approach. The journey began with a visit to Jalgaon Brahminwadi, where the group gained insights into the local culture and traditions.

On the first day, the exploration of Ladghar Beach offered an in-depth understanding of coastal marine biodiversity. Several species of algae, such as Ulva (formerly Enteromorpha), Gracilaria, Padina, and Dictyota, were observed, along with fascinating marine organisms like small and large sea anemones.

The second day was dedicated to the exploration of Gaondhani Forest, which provided an opportunity to observe diverse flora and fauna. Key wildlife sightings included the Giant Wood Spider (Nephila pilipes), Brown-headed Barbet (Psilopogon zeylanicus), White-throated Kingfisher (Halcyon smyrnensis), Bee-eaters (Meropidae), Chocolate Pansy butterfly (Junonia iphita), and the striking Golden-hooded Oriole (Oriolus xanthornus). Visits to Keshavraj Temple and Murud Beach added to the day's experiences, combining elements of nature and heritage.

On the third day, a visit to the cashew factory offered practical exposure to the various stages of cashew processing, such as peeling, grading, cutting, moisturizing, husk cleaning, and de-shelling. The factory utilized advanced machinery for these processes, including a cooker for steam heating and oil extraction. The manual grading process ensured the separation of different cashew qualities, followed by drying and moisture removal in ovens. The preservation technique of adding CO_2 to tins was particularly noteworthy, as it extends the shelf life of cashews for up to eight months. Additionally, visits were made to Karde Beach, Harnai Beach, and Palande Beach. A major highlight was the fish market at Harnai Beach, where participants observed the bustling trade of fresh and dried fish, providing insights into the local fishing economy.

The day ended with an informative snake-awareness session conducted by experts Kiran Karmarkar and Suresh Khanvilkar. Participants learned about various snakes species, including the venomous Russell's Viper (Daboia russelii) and Common Krait (Bungarus caeruleus), the semi-venomous Green Vine Snake (Ahaetulla nasuta) and Common Cat Snake (Boiga trigonata), and non-venomous species like the Grass Snake (Amphiesma stolatum) and Indian Rock Python (Python molurus). The session provided valuable insights into snake identification, behavior, and ecological significance.

The fourth day featured an extensive tour of Dr. Balasaheb Sawant Konkan Krishi Vidyapith, which spans an impressive 700–800 hectares and specializes in agricultural research, particularly in medicinal and aromatic plants. The university's research facilities included nurseries dedicated to crops like kokum (Garcinia indica), cinnamon (Cinnamomum verum), and black pepper (Piper nigrum), with a focus on intercropping techniques and propagation methods. Various fruit crops, such as exotic mango varieties, water apple (Syzygium aqueum), and coconut (Cocos nucifera), were studied, providing a deeper understanding of their agronomic practices. The university also showcased advancements in post-harvest technology for crops like cashew, kokum, and chiku (Manilkara zapota), focusing on processing methods to enhance shelf life and quality. The seed production and technology segment at the university featured crops such as cowpea (Vigna unguiculata), mustard (Brassica juncea), and rice (Oryza sativa), highlighting sustainable agricultural practices and

their economic impact. Another area of interest was the mushroom technology center, where participants learned about different mushroom varieties, including Oyster, Butter, Mickey, and Paddy Straw mushrooms. The center provided valuable insights into fungal cultivation techniques, contamination control measures, and the commercial potential of edible mushrooms.

This field trip offered a holistic learning experience, integrating theoretical knowledge with practical exposure to various environmental and agricultural aspects. Overall, the excursion served as a comprehensive platform for students to understand the intricate relationships between biodiversity, sustainable agriculture, and environmental conservation, equipping them with valuable insights for their academic and professional pursuits.

-Mr. Pratham Tiwari, Biodiversity, Wildlife Conservation and Management, MSc Part II





Hobby To Business

Pottery Painting to Profit

The pot painting hobby turned into a profitable business begins with mastering the craft. Experimenting with various painting techniques like acrylics for vibrant designs, decoupage for textured effects or mandala art for a modern touch helps understand different approaches that can be implemented. Along with this, updating oneself with trends through platforms like Pinterest or Instagram and investing in high-quality materials enable to elevate the creations. After gaining confidence in one's skills, the next step is to identify a niche that will set one apart in the market, whether it is custom designs, thematic collections, or sustainable eco-friendly options. A focused niche will help to attract a loyal audience and build a strong brand identity. Setting up a dedicated, well-lit workspace will enhance the creativity, ensuring that all the supplies are organized and accessible. Branding plays a critical role in the success of any business, so choosing a unique name, creating a logo, and developing a consistent theme across all marketing channels will eventually boost the entire process.

To successfully market the created work, establishing an online presence through social media platforms, e-commerce sites or even creating a business website will kick start the marketing process and help developing marketing capabilities. Engage potential customers by showcasing the work through high-quality photos and videos of the painting process. Pricing is crucial, thus considering factors like material costs and time is of utmost importance while remaining competitive. As the brand gains a steady growth, consider expanding the product range to include garden accessories, ceramics, and wall hangings to attract a broader audience. Consistent deliver quality, paying attention to customer feedback and striving for improvement will eventually give results and gains. Staying inspired by experimenting with new techniques and adapting to market demands, ensuring the business evolves along with customer preferences is one of the tricks which sometimes can be unnoticed by new business developers. With dedication, creativity, and effective strategies, one can turn their passion for pot painting into a successful and sustainable business.

So, pick up those brushes, start painting, and let the business bloom!



-Dr. Urmila Kumavat, Assistant Professor, Department of Botany



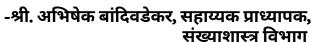
बाप्पाची चित्रशाळा

लहानपणापासूनच मला चित्रकलेची आणि काहीतरी नवीन बनवण्याची खूप आवड होती. लहानपणी गणपती आला की मॉडेलिंग क्लेचा गणपती करून त्याची पुस्तकाच्या कप्प्यात एका बाजूला आरास करणे हा म्हणजे माझा सुट्टीतील आनंद द्विगुणित करणारा खेळचं. पण दहावी नंतर विज्ञान शाखेत प्रवेश घेतला आणि कला हा विषयच नामानिराळा झाला.

पण कुठे तरी आपला कलेचा छंद जोपासायला पाहिजे यासाठी मी गणपतीच्या चित्रशाळेत गणपतीच्या मूर्ती रंगवण्यासाठी जायला लागलो. पहिल्यावर्षी फक्त मला बाप्पाच्या सिंहासनाचा ते पण मूळ काळा रंग आणि त्याच्या पेढीचा रंग रंगवणं एवढच काम मिळालं. त्यावेळी त्या चित्रशाळेमध्ये फक्त प्लास्टर ऑफ पॅरिसचे गणपती असल्याने मला गणपती म्हणजे प्लास्टर ऑफ पॅरिसचेच असा भ्रम झालेला, पण जेव्हा मी लालबाग मध्ये "सुर्वे गणेश चित्रालय" मध्ये गेलो तेव्हा समजले की शाडूच्या मातीचे गणपती म्हणजे खरे गणपती. आपल्याला हवं तसं, आपल्या आवडी प्रमाणे काम करता येते ते फक्त शाडू माती मध्येच! तेव्हाच ठरवलं, की रंगकामासोबत मातीकाम पण शिकायचे. कॉलेजला उन्हाळी सुट्टी मिळाली की रोज लालबागला जाऊन मातीचे गणपती बनवायला शिकू लागलो. आणि पुन्हा जून पासून जोगेश्वरीमध्ये येऊन जुन्या चित्रशाळेमध्ये मातीकामास मदत करू लागलो. मातीकाम सुधारत होतोच, तेवढ्यात स्प्रे पेंटिंग आणि आखणी करण्याची देखील इच्छा निर्माण झाली. मग काय, त्यासाठी वहीच्या पाठीमागे मोकळ्या वेळेत बाप्पाचे डोळे, भुवया, नाम यांचा सराव सुरू झाला. चित्रशाळेतसुद्धा मालक बाहेर गेले की स्प्रेची गन घेऊन त्याचा सराव करु लागलो.

असं करत करत सगळ्यात पारंगत झालो आणि याच माझ्या आवडीच्या छंदांचे २०२३ मध्ये "समर्थ गणेश चित्रशाळेच्या" रुपाने व्यवसायात रूपांतर झाले. कॉलेज सांभाळून आता माझ्या स्वतःच्या चित्रशाळेत हा छंद निभावताना खूप मजा येते. ते गणपती आधीचे ३ मिहने आणि नवरात्री पूर्वीचे देवीच्या मूर्ती घडवण्यासाठी लागणारे १५ दिवस खरंच मंतरलेले असतात. कॉलेजची सगळी काम आटपून कॉलेज मधून लवकर निघण्याची घाई, वेगवेगळ्या रूपातले गणपती, अनेक वेगवेगळ्या रंगांच्या छटा, मित्रांची मदत, त्यांच्यासोबतचा नाश्ता सर्व अगदी हवंहवंसं वाटतं. आता तर पर्यावरणपूरक गणपती ही संकल्पना आल्यापासून मातीचे गणपती बनवण्याच्या अनेक ऑर्डर्स येतात. लवकर न मिळणारी जागा, अनिच्छित पाऊस यामुळे थोडी तारांबळ उडते खरी पण शेवटी तो बाप्पा आहे! तो स्वतःला छान पद्धतीने बनवून घेतोच. या माझ्या छंदामुळे मलाच नव्हे तर मला मदत करणाऱ्या मित्रांनाही थोडा फार आर्थिक लाभ होतो.

असाहा कितीही मोठा झालो तरी न सुटणारा माझा छंद आयुष्याच्या शेवटपर्यंत निदान ५/६ गणपती करून तरी जोपासून ठेवीन. त्यासाठी आपला बाप्पा आहेच की बळ द्यायला...!





Resin Art to Business

Resin art is a popular and creative form of artwork that uses epoxy resin, a liquid substance that hardens when mixed with a hardener. Artists combine resin with pigments, dyes, or other additives to create vibrant, glossy designs on various surfaces, including wood, glass, and canvas. From small items like coasters and trays to large-scale wall art, resin art offers endless possibilities for innovation and expression. This art form allows creators to experiment with different textures, colours, and even embed objects such as dried flowers or metallic flakes, making each piece unique. The aesthetic appeal, glossy, glass-like finish gives the artwork a visually striking quality that makes it perfect for home decoration or gifting. Artists can personalize resin pieces with different colours and textures, giving customers the chance to own one-of-a-kind creations. Many artists find the process meditative and stress-relieving, as it allows them to express their creativity and unwind.

Resin art also presents a great opportunity for those interested in starting a small business. With the increasing demand for handmade, customized products, there is a growing market for resin artists. The low start-up costs make it an ideal business --

venture for students or anyone looking for an affordable way to generate income. To begin, it's important to develop the necessary skills by experimenting with smaller projects. Mastering techniques such as layering, mixing pigments, and curing resin is the key to creating high-quality artwork. Platforms like YouTube and online workshops offer helpful tutorials for those new to the craft.

For anyone looking to start a resin art business, affordable materials are essential. Basic supplies such as epoxy resin, moulds, pigments, and safety equipment like gloves and masks are enough to get started. As skills improve, artists can gradually invest in higher-quality materials. Market research is another important step in establishing a resin art business. Understanding the target audience be it people interested in home aesthetics or those looking for personalized gifts will help to make the pieces as per the demand. Social media platforms like Instagram and Pinterest are great for showcasing resin artwork and attracting potential customers. By creating engaging posts and videos, artists can build a strong online presence and grow their brand.

One major concern while using resin is health and safety. Resin fumes can be harmful, so artists should always wear protective gear and work in well-ventilated areas. Taking these precautions ensures a safe and enjoyable experience. Artists can differentiate themselves by developing unique styles, offering personalized products, and maintaining high-quality standards. With minimal investment, dedication, and creativity, anyone can turn resin art into a profitable venture.





-Ms. Namra Sheikh, Environmental Science, MSc Part II

Turning My Passion for Nature into a Trailblazing Group

Exploring wildlife has always been my soft corner. Since childhood where everyone was busy watching various cartoons I used to watch natural geography. Unfortunately, until college I wasn't able to utilize my passion, my interest towards wildlife.

After entering my first year in zoology, I met my mentor, my guide Umesh sir. He showed me the path to reignite my passion. After personally going on multiple wildlife trails I decided with my colleagues to start a group which would organize trails focusing on wildlife. And that's how 'Nature Spectrum' was born with the purpose of sharing our experience of wildlife through trails. Each trail exploring nature, wildlife, sharing stories, meeting new people has been a very good experience. We also learn many things from the participants' knowledge.

I learnt that there are many people around who are curious about wildlife; they just need a medium to connect with them. In the current status of deforestation and human -wildlife we hope we could be the connecting bridge between humans and wildlife. Let's respect our nature, be in our boundaries and adore its beauty.

-Mr. Vedant Prashant Sawant, Department of Zoology, S.Y.BSc



Technocrats

Drawback of AI on Human resources

Artificial intelligence (AI) has revolutionized the field of human resources (HR), bringing significant changes that have transformed traditional workplace operations, but along with its numerous advantages, AI also poses several major drawbacks that need serious attention in today's time. One of the most concerning issues is algorithmic bias, where AI systems, despite being designed to be objective, can reflect and even amplify biases present in historical data, leading to discrimination in hiring, promotions, and employee evaluations. This bias can disproportionately affect candidates from marginalized communities, reinforcing social inequalities and reducing diversity within organizations. Moreover, the increasing use of AI-driven recruitment tools often results in a lack of transparency in hiring decisions, where candidates are evaluated based on complex algorithms that they do not fully understand, leading to confusion and frustration about why they were rejected or selected.

Privacy invasion is another critical drawback, as AI systems collect and analyze vast amounts of personal and behavioural data to monitor employee performance, track productivity, and predict potential resignations, which can create a culture of constant surveillance, making employees feel pressured and anxious. This excessive monitoring can negatively impact mental health, leading to increased stress, job dissatisfaction, and a decrease in overall workplace morale. Additionally, the automation of HR processes can result in the loss of human interaction, which is essential for building trust and understanding between employers and employees. AI lacks the emotional intelligence required to handle sensitive workplace issues such as conflicts, grievances, and mental health concerns, making it difficult for employees to feel genuinely supported and valued.

Another significant concern is the over-dependence on AI systems, which can lead to a decline in critical thinking and decision-making skills among HR professionals, as they may become overly reliant on automated suggestions rather than using their expertise and judgment to make informed choices. Furthermore, the rapid adoption of AI technologies creates job displacement fears among HR staff, as automation can take over tasks such as resume screening, interview scheduling, and even employee engagement initiatives, reducing the need for human involvement and potentially leading to layoffs. This shift not only affects HR professionals but also raises ethical questions about the fairness of replacing human jobs with machines.

The financial burden of implementing and maintaining AI systems is another drawback, as many small and medium-sized enterprises (SMEs) struggle to afford the latest AI-powered HR tools, creating a digital divide that favors large corporations with more resources. This economic disparity can widen the gap between businesses, making it harder for smaller organizations to compete in attracting and retaining top talent. Moreover, the accuracy of AI predictions in HR remains a major challenge, as AI models are not foolproof and can make incorrect assessments that lead to poor hiring decisions, mismatches in job roles, and even wrongful terminations, all of which can harm an organization's reputation and employee trust. In addition, the ethical concerns surrounding data security and the misuse of sensitive employee information are growing, as AI-driven HR systems are vulnerable to cyber threats and data breaches that can expose confidential information, leading to legal consequences and loss of credibility.

Another issue that cannot be ignored is the resistance to AI adoption by employees, who may feel alienated and skeptical about working alongside intelligent machines, fearing that their unique human contributions will be undervalued or replaced by automation. This resistance can create a disconnect between management and employees, leading to a lack of collaboration and a weakened organizational culture. Additionally, AI systems, no matter how advanced, cannot replicate the human touch that is crucial for fostering a positive and inclusive workplace environment where employees feel heard, respected, and motivated. The emotional and psychological aspects of employee engagement, such as providing encouragement, resolving interpersonal conflicts, and recognizing achievements, require a human approach that AI simply cannot deliver. Organizations must also consider the legal and regulatory challenges associated with AI implementation in HR, as laws and guidelines related to AI use in employment are still evolving, and companies may face legal complications if they fail to comply with data protection and anti-discrimination regulations.

Furthermore, the continuous evolution of AI technology requires regular updates and retraining, which can be time-consuming and costly, adding to the overall complexity of integrating AI into HR practices. In conclusion, while AI offers valuable tools to improve efficiency and streamline HR operations, it is essential to recognize and address its drawbacks to ensure that workplaces remain people-centered, ethical, and supportive of employee well-being. Striking the right balance between technology and human intervention is crucial for leveraging AI's benefits while minimizing its risks, ensuring that human resources continue to prioritize empathy, fairness, and inclusivity in the modern workplace.

-Ms.Pooja Kumavat, Environmental Science, MSc Part II

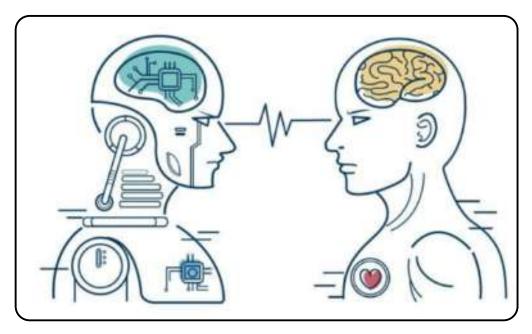


Image credit: https://vocal.media/humans/human-vs-artificial-intelligence-exploring-the-advantages-and-disadvantages

Non-Stop Entertainment

गणिताचा गूढ मंत्र

गणित म्हणजे सुंदर भाषा, संख्यांची अद्भुत परिभाषा। रेषा, वर्तुळे, आकृतींची छटा, सृष्टीचा नाजूक बंध जुळवता।

संख्या नुसती नव्हे, ती कथा बोलते, शून्यातून जग उभे राहते। अवकाशाचा विस्तार मोजणारी, अनंताचे गूढ उलगडणारी।

गणितात सामावले सृष्टीचे रहस्य, प्रत्येक समीकरण नवे ज्ञान असते। पायथागोरसची रचना जशी, तशीच फिबोनाची क्रमवारी स्पर्शी।

काळाच्या गतीचा तोरा दाखवते, गुरुत्वाकर्षणाची ओळख करवते। ताऱ्यांच्या झळाळीतून मोजते अंतर, अणूच्या नृत्यातून शोधते केंद्र।

गणित म्हणजे निसर्गाचे गाणे, संख्या आणि आकृतींचे अनोखे वसंत। तूच आहेस विज्ञानाचा आत्मा, गणिता, तू सृष्टीचा साक्षात्कार।

> -Mrunali Patil TYBSc Botany

ठाण्यातील संशोधन

कापूराची विहीर कुठे पाहिली आहे का? ठाण्यात आहे... *कापूर बावडी*

फक्त ठाण्यातलाच "वाघ" हा बिळात राहतो... *"वाघबीळ"*

कोळशाचे शेत कुठे असते का? पण ठाण्यात आहे ... *"कोलशेत"*

जगात सगळ्यांना दोन... पण ठाणेकरांना मात्र *"तीनहात"* फक्त ठाणेकर च बस कंडक्टर ला म्हणू शकतात *"एक कॅडबरी द्या"*

हे तर काहीच नाही. फक्त ठाणेकर च बस कंडक्टरला म्हणु शकतात, *"एक तत्वज्ञान द्या"* (तत्वज्ञान विद्यापीठ) आणि *तत्वज्ञान* ला उतरता नाही आलं तर पुढे शेवटचा थांबा *' ब्रम्हांड'* आहेच.

> - कॅ. बिपिन धुमाळे मराठी भाषा प्रमुख

तुला तू म्हणून स्वीकारणारा तुझा...!

तू बदलू नको कुणासाठी तू राहा जशीच्या तशी काय होईल जेव्हा तुझं बदलणं असेल पुढल्यासाठी अपूर्ण काय होईल जेव्हा या बदलण्याच्या भरातच पुढचा पूर्णपणे बदलून जाईल?? तुला तुझ्या बद्दलण्यामुळे एकट सोडून जाईल तुझ्या चांगल्या व्यक्तीसाठीचा बद्दल वाईट होऊन जाईल का?? घाबरू नकोस तुला तुझ्या बरोबर बदलणारा कुणीतरी मिळणार

जेव्हा तो काळ येईल तेव्हा तू खूप काही शिकली असणार, खूप काही जगली असणार मात्र योग्य व्यक्ती योग्य वेळेवर येणार आणि तुला तू जशी आहे तसच स्वीकारणार।

> -ओम संजयराव गुल्हाने MSc Part I, Clinical Psychology

संगीत का जादू

संगीत का है अनोखा ढंग , हर दिल में भर दे मधुरता का रंग।

स्वर लहरियाँ बहती जैसे नदी, भावनाओं को छूती, कहती अजब गाथा नई।

> सुरों का संगम, तालों का मेल, हर धड़कन पर लिखता ये खेल। बंसी की तान हो, सितार का राग, हर स्वर में छुपा है अनोखा अनुराग।

दुख के आँसुओं को थाम लेता, सुख के पलों में झूमने देता। हर दर्द को शब्द देता ये, हर खुशी में साज सजाता ये।

बहारों की खुशबू, बारिश का गीत, संगीत में बसी है प्रकृति की प्रीत। पंछियों का कलरव, हवाओं की सदा, हर कोने में है इसकी मधुर दास्तां।

हे संगीत, तू आत्मा की भाषा, तेरे बिना अधूरी हर अभिलाषा।

Happy New Year

ख़त्म हुआ २०२४
कुछ खट्टी मीठी यादें दी little more
आ रहा है नया साल
कुछ रंग लेके गुलाबी लाल
ना कभी होके मजबूर
पर दिल से करदो मन के गिले शिकवे दूर
नए साल में हो सबकी ख्वाइशें पूरी
यही दुआ है दिल से मेरी

लेके resolution be very clear

Just say from heart Happy New year!

-Nikeeta Keni Assistant Professor Department of Zoology

-Atul Singh Alumnus, Department of Botany

अजीब ख्वाब

जिम्मेदारियां ने इस कदर मेरे ख्वाबों का गला घोंटा, खुदकुशी नुमा वो कत्ल बड़ा अजीब था । फ़र्ज़ के नाम पर जो कि मैं गुलामी, ज़रूरत नाम की वो भेड़िया बड़ी अजीब थी । डॉक्टर ने बताएं वो बीमारी बड़ी अजीब थीं मां की दवाईयों के नाम बड़े अजीब थें, बहन के तालीम के शर्तें बड़ी अजीब थीं, इन तालीम के बाजारों के दाम बड़े अजीब थें।

बीवी को खुश करने की वह जिद बड़ी अजीब थी,
गहनों के नाम की वो किस्त बड़े अजीब थी।
बच्चे मेरे खुश है यह सुकून बड़ा अजीब है,
उनके ख्वाब पूरे हुए ये गुमान बड़ा अजीब है।
आज फुर्सत मिली जो मुझे जिम्मेदारियां से,
मन हुआ फिर से देखूं ख्वाबों को करीब से,
पर क्या करें जनाब, इस कदर उम्र बड़ी है मेरे जिस्म की,
अब तो रूह को भी लगता है मेरे ख्वाब थे अजीब से।

-Harsh Tiwari TYBSc Zoology

Journey of Science

Oh, wondrous realm of endless quest,
Where curiosity finds its rest.
A beacon bright, a guiding flame,
In Science's heart, we carve our name.

The stars above, they call and gleam, Whispering tales of a cosmic dream. Through telescopes, we gaze in awe, Unveiling truths, unbreaking law.

The atoms dance, so small, unseen,
Building worlds in spaces between.
Their bonds and breaks, their sparks ignite,
The mystery of matter, pure delight.

The oceans deep, the skies so wide, The pulse of life, the waves, the tide. From cells that spark to galaxies grand, Science unveils the Creator's hand.

With microscopes and labs aglow, We seek to learn, to feel, to know. To cure, to craft, to chart, to find, The endless wonder of humankind.

Oh Science, love of boundless reach, Your truths inspire, your lessons teach. In every question, every why, You lift our spirits, let us fly.

-Shreyas Phansekar Alumnus, Department of Human Science

To My Best Friend

Through the storms and sunny skies, In laughter and in tears that rise, You've been my anchor, strong and true, A soul so rare, a heart so blue.

We share the moments, big and small, The silent nights, the joyous call, With every step, you're by my side, In you, I find a world so wide. A bond unbroken, pure as gold, A story of friendship, timeless, bold. No need for words, we understand, The gift of you, a treasure so grand.

So here's to you, my dearest friend, On you, my heart will always depend. In every chapter, till the end, You're more than a blessing—you're heaven-sent.

-Kinnari Londhe Alumnus, Department of Human Science

Whispers of Nature

Beneath the sky so vast and blue, A world of wonders waits for you. The gentle breeze, the rustling leaves, The magic spun on summer eves.

The mountains rise, their heads held high,
Touching dreams that kiss the sky.
The rivers dance, they twist and flow,
Through valleys green where wildflowers grow.

The forest hums a sacred tune,
A lullaby beneath the moon.
Its trees stand tall, with stories to share,
Of ancient times, of love, and care.

The ocean waves with rhythmic grace, A boundless mirror of time and space. Its whispers call, its secrets keep, A heart of wonders, calm and deep.

Oh, Nature, gentle, wild, and free, A timeless gift for all to see. In your embrace, our souls find rest, With every breath, we're truly blessed.

-Komal Gaikwad Alumnus, Department of Zoology

A Child's Apology

Sorry mummy for my every mistake
Sorry mummy for each glass I break
Sorry mummy for becoming angry
Sorry mummy for making you cry
Sorry mummy for telling you lying
Sorry mummy for not trying
Sorry mummy for causing you pain
Sorry mummy for doing it again
Sorry mummy for not being right
Sorry mummy for every fight
I'll do my best to make things right
And make you proud with all my might

-Atharva Pawar FYIC

मैत्री अशी असावी

मैत्री!

मैत्री हा शब्द ऐकताच कळत नकळत गोंधळ उडून जातो. मग मनात प्रश्न जन्माला येतो,' काय आहे मैत्री?'. कळत नकळत आयुष्यात एक व्यक्ती येतो अन् आयुष्याचा महत्त्वपूर्ण भाग बनून जातो, अलगद मनाला सांगतो की, हे नातं तुझ्या आयुष्यातील महत्त्वपूर्ण भाग आहे, भले ते जन्मापासून तुझ्या सोबत नाही आहे.

आई कशी असावी? वडील कसे असावेत? जन्म कोणत्या घरात ? नाड कोणत्या मातीत जुळावी? हे आपल्या हातात नसत पण मैत्री हे एकमेव नातं आहे ज्याची निवड आपण करायची असते.

मग मन हळूच प्रश्न विचारत, 'मैत्री कशी असावी??' त्यावर हृदयाचा एक कोपरा उत्तर देतो,

" मैत्री असावी तर कृष्णा आणि सुदामासारखी! मैत्री असावी तर श्रीराम आणि सुग्रावसारखी!" यांच्या मनात कधीच स्वार्थ नव्हता, होतं फक्त प्रेम आणि माया! एक खुप छान सुविचार आहे,' समजुदारपणाच्या बागेत मैत्रीची फुले फुलतात.' मैत्रीत जर समजुदारपणा असेल तर नकळत का होईना एका फुलाच रूपांतर बागेत होत आणि ही बाग नेहमी मायेचा, प्रेमाचा सुगंध पसरवत असते.

मित्र कोण असते....?

कधी आपल्याला आधार देणाऱ्या व्यक्तीला आपण मित्र म्हणतो, तर कधी गरजा पूर्ण करणाऱ्या मदतगाराला आपण मित्र म्हणतो, मग खरी मैत्री कोणती आणि खरा मित्र? खरा मित्र हक्काने मिठी मारणारा, छोटीशी चूक झाली तर दोन शिव्या देणारा, चूक सुधारणारा, आयुष्याला वळण देणारा, आपल्या दुःखात जाऊ दे, सोडून

दे करत धीर देणारा, थोडक्यात कार्य तर मैत्री हे नातं पाण्यासारखं निर्मळ आणि स्वच्छ हवा त्यात कोणताही स्वार्थ किंवा अपेक्षा नसाव्यात, मैत्रीत व्यवहार नसावा, मैत्री हे निखळ पाण्यासारखी पारदर्शक असावी. मैत्री रक्ताचं नातं , ना जन्म पासून मिळालेली साथ, मैत्री हे एखाद्या जखमेवर औषधासारखी काम करणारी, खोल पाण्यात बुडणाऱ्याला काठीचा आधार देणारी, जीवनात आपल्याला संकटावर मात करण्यासाठी मदत करणारी छोटेसे साधन! मैत्री कशी असावी...?

"मोरासारखी नाचणारी, निखळ आनंद देणारी! प्राजक्ता सारखी; नाजूक हळुवार सुगंध देणारी! आरशासारखी पारदर्शी; जणू आपलीच प्रतिकृती! पावसासारखी भिजवणारी; प्रेमात चिंब करणारी! इंद्रधनुसारखी सप्तरंगी; जीवनाला रंगवून जाणारी!" मैत्री अशी असावी.....

-श्रुती कान्हुरकर

Winner's Corner

मॅरेथॉन: एक संघर्षमय आणि आनंददायक प्रवास

"मॅरेथॉन हे केवळ एक ध्येय नसून, तो एक प्रवास आहे. स्वतःच्या मर्यादांना ओलांडण्याची ही संधी असते."

मी, श्रीमती दर्शना विकास चव्हाण, गणित विभाग (कनिष्ठ महाविद्यालय) येथे अध्यापन करत आहे. आज मला माझा मॅरेथॉन अनुभव शेअर करताना अत्यंत आनंद होत आहे.

वर्ष 2024-25 मध्ये मी दोन मॅरेथॉन स्पर्धांमध्ये भाग घेतला. MMRDA L&T Atal Setu Mumbai Marathon ही 10 किमीची मॅरेथॉन 16 फेब्रुवारी 2025 रोजी झाली, तर Tata Mumbai Half Virtual Marathon 19 जानेवारी 2025 रोजी पार पडली. ही माझी पहिलीच वर्च्युअल हाफ मॅरेथॉन होती, आणि हा अनुभव खरोखरच अविस्मरणीय ठरला.

अटल सेतूवर धावण्याचे माझे स्वप्न पूर्ण झाले, आणि त्याचा अनुभवही विलक्षण होता. दोन्ही मॅरेथॉन स्पर्धांमध्ये सहभागी होण्याचा आनंद शब्दांत मांडणे कठीण आहे. मॅरेथॉन म्हणजे केवळ शरीराची तग धरण्याची परीक्षा नव्हे, तर मानसिक ताकदीचीही कसोटी असते. प्रत्येक टप्प्यावर दमछाक होते, पण गर्दीचा उत्साह आणि स्वतःला सिद्ध करण्याची जिद्द हा संपूर्ण प्रवास अधिक ऊर्जावान बनवतो.

"खरा धावण्याचा उद्देश जिंकण्यामध्ये नाही, तर मानवी मनाच्या आणि हृदयाच्या ताकदीची कसोटी घेण्यात आहे."

ही मॅरेथॉन स्पर्धा पूर्ण करणे माझ्यासाठी एक मोठे यश आहे आणि मी याचा सार्थ अभिमान बाळगते. भविष्यात आणखी मॅरेथॉनमध्ये सहभागी होण्याची उत्सुकता आहे!

"A Marathon is a journey, not distination. It's about pushing yourself beyond your limits"

I Mrs Darshana Vikas Chavan, as a teacher department of mathematics (junior college)would like to share my marathon experience.

In the year 2024-2025 I had participate 10km in MMRDA L &T Atal Setu Mumbai marathon which was held on 16th February 2025 and Tata Mumbai half virtual marathon on 19 journey 2025. It was my first virtual half Mumbai marathon offers a unique experience that combines the thrill of a major international event, feeling really happy about this accomplishment. And dream of running on Setu also a different experience in my life. I enjoyed both the marathons and glad to share my experiences is a gruelling yet exhilarating journey of pushing self physical and mental limits to the edge, where every stride is a bottle against fatigue, furled by the adrenaline of the crowd.

"The real purpose of running isn't to win a race, it's to test the limits of human heart"

-श्रीमती दर्शना विकास चव्हाण, गणित विभाग (कनिष्ठ महाविद्यालय) Completed MMRDA L&T Atal Setu Mumbai Marathon



College Activities



" हर घर तिरंगा अभियान " 15ऑगस्ट 2024



Avishkar Research Convention 2024 - Zonal Round Winners



Organization of Kojagiri Utsav by IQAC and College Office for Lady staff members



Career Guidance Session on Digital Marketing organized by Anubandh



Weapon Exhibition by Thane Police for College Students



Mrs. Darshana Chavan & Mr. Sunil Bhusara completed 10 Km Run at Atal Setu



Workshop on CO-PO Mapping organized by IQAC of the College



Felicitation of I/C Principal as Empowered Woman Padmavibhushan Prof.M. M. Sharma Saheb



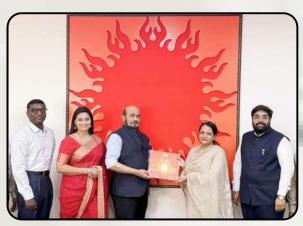
'Khakitil Sakhi' Programme by WDC and NSS



Mr. Vinod Thorat won first Prize in Intercollegiate
Carrom Tournament held at Royal College



BNB represented at World Summit 2024 on Sustainable Development Goals (SDGs) in Higher Educationat Taj President Hotel, Mumbai



Proud Alumnus Bhalchandrasinh RaoRane - Chairman Federation of industries, India





BNB won the contest of Mazi Vasundhara oraganized by TMC for implementing green practices in UG-PG Education



Cyber warrior Award - IT-CS Department



Junior College won IRIS 2025 First prize for preparing innovative Egg-Incubator



Appreciation of UDAAN-DLLE Team by University of Mumbai



Felicitation of Soldiers by I/C Principal at Army Paraplegic Centre Khadki, Pune