



**VIDYAVARDHINI'S COLLEGE OF  
ENGINEERING & TECHNOLOGY**

**VISTA**

**2024**

**Pratibimb**

**Nurturing ideas, Inspiring minds**



## Vision

To be a premiere institution of technical education, always aiming and becoming a valuable resource for industry and society.

## Mission

### We at VCET aim

- To provide technologically inspiring environment for learning.
- To promote creativity, innovation and professional activities.
- To inculcate ethical and moral values.
- To cater personal, professional and societal needs through quality education.

## विद्यावर्धिनी प्रेरणा गीत

विद्यावर्धिनी... विद्यावर्धिनी... विद्यावर्धिनी...  
ज्ञानगंगा आली आमच्या अंगणी विद्येची ही ज्योत  
तेवते विद्यावर्धिनी ॥ धृ ॥

भाऊसाहेब वर्तक यांनी रोप हे लाविले दीन-  
दलितांना-आदिवासींना, प्रवाहास जोडीले  
सावित्रीच्या लेकी घडती, ज्ञानाच्या अंगणी  
अभिमानाने डौलत संस्था विद्यावर्धिनी ॥ १ ॥

'सा विद्या या विमुक्तये' हे बीज झळकते तेजाने  
नये-नवे शिखर जिंकुण्या, वाटचाल ही जोमाने  
हिरव्या स्वप्नांसाठी, करीते कष्टांची पेरणी समानतेचे  
सूत्र जाणते विद्यावर्धिनी ॥ २ ॥

कला, साहित्य-संस्कृती फुलतो अंकुर येथे सा-रे-  
ग-म-प-य-नी सात सुरांचा घुमतो एकसूर ये भव्य  
क्रीडांगण, ग्रंथसंपदा, अनुभवांच्या खाणी गुरु-  
शिष्याचे नाते जाणते. विद्यावर्धिनी ॥ ३ ॥

सागराची गंभीरता.. विद्यावर्धिनी  
मर्वतांची खंबीरता.... विद्यावर्धिनी  
सूर्याचा प्रकाश नवा.. विद्यावर्धिनी  
चंद्राची शीतल छाया... विद्यावर्धिनी  
ध्यास उंच आभाळाला.... विद्यावर्धिनी  
विश्वास बदलत्या काळाचा.. विद्यावर्धिनी  
समता, मानवता अन हक्कांचे रक्षिणी  
राष्ट्रक्याचा धागा विणते विद्यावर्धिनी ॥ ४ ॥

संकल्पना - प्राचार्य डॉ. अशोक भोंसले  
गीतकार - प्रा. डॉ. सखाराम डाखोरे  
समन्वयक - प्रा. डॉ. प्रदिप गुळभिले  
प्रा. डॉ. शलुघ्न फड

# FROM THE VISTA INCHARGE



For me, all dreams start with a spark- an undetermined idea. Now, as VISTA becomes yours, I am thrilled to bring you the theme for vista 2024; Pratibimb- reflections about not just who we are, but also the huge potential in every one of us.

Engineering, to me, is a timeless kind of craft. It reminds me of the ancient builders of marvels like the Konark Sun Temple- the genius of Aryabhata, who unsealed the secrets of the stars at night.

The core of engineering is all about mixing creativity and usefulness-it solves problems, builds bridges (often in a literal sense), and reconstructs the fine craft of reshaping the world around us. These are the four years of fury in engineering that every engineering student goes through- a journey where every project, every sleepless night, and every Eureka moment becomes part of your story.

And that is what Pratibimb is all about- a celebration of these stories. It is our way of remembering and celebrating the commitment, curiosity, and innovation that set us apart, not as a student, but as an individual. Finally, logged within this magazine are the echoes of ideas conceived in classrooms, dreams powered by shared ambitions, and minds stirred towards making a difference. The same way India thrives on the back of its diversity; this magazine too thrives because of the individualistic perspective and creativity of our VCET family.

So, find yourself a quiet corner, grab a cup of chai or coffee, and reserve a seat to jump into this lively collection of reflections and inspiration. May Pratibimb remind you through all these reflections of your own journey and spark some fresh ideas for the path ahead.

**Read and Dream: Like always!**

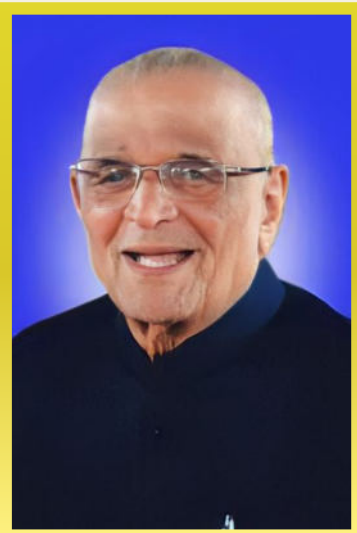
**Warm regards,  
Harsh Raut  
Vista Incharge**



**Late Padmashri H.G. Vartak**  
**alias Bhausaheb Vartak**  
Founder President of Vidyavardhini's  
(1914 - 1998)



**Late Smt. Tarabai Vartak**  
Former President of Vidyavardhini's  
(1926 - 2008)



**Late Shri. Prataprai Khokhani**  
Former President of Vidyavardhini's  
(1933 - 2018)



## GOVERNING BODY

**Shri. Vikas N. Vartak**

(President, Vidyavardhini)

**Shri. Shantaram B. Jadhav**

(Vice-President, Vidyavardhini)

**Shri. Pandurang G. Naik**

(Vice-President, Vidyavardhini)

**Shri. P. D. Kodolikor**

(Vice-President, Vidyavardhini)

**Shri. Arun G. Vartak**

(Chairman, Vidyavardhini)

**Shri. Madhukar N. Mohol**

(Secretary, Vidyavardhini)

**Shri. Hasmukh M. Shah**

(Treasurer, Vidyavardhini)

## GOVERNING COUNCIL

**Shri. Arun G. Vartak**

(Chairman, Vidyavardhini)

**Shri. Vikas Vartak**

(Educationist)

**Shri. Hasmukh M. Shah**

(Industrialist)

**Shri. Subhash Dandekar**

(Industrialist, Chairman of Emeritus  
of Kokuyo Camlin Limited)

**Nominee of the University**

**Educationalist / Industrialist**

(Nominated by AICTE)

**Dr. Uday Aswalekar**

(Staff Representative, Professor)

**Shri. M. N. Alias Bhausahab Mohol**

(Industrialist)

**Shri. Pandurang Alias Babansheth Naik**

(Educationist)

**Shri. Madhukar B. Parekh**

(Industrialist, Chairman of Pidilite Industries)

Director of Technical Education [M.S]

Director, WRO AICTE

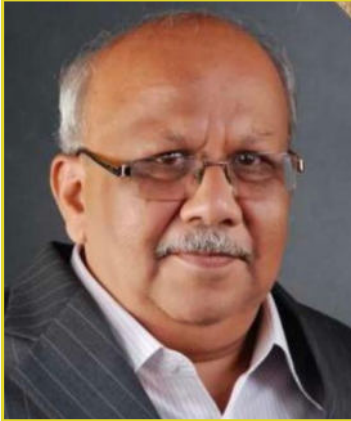
**Dr. Harish V. Vankudre**

(Principal)

**Dr. Archana Ekbote**

(Staff Representative, Assistant Professor)

## FROM THE PRESIDENT'S DESK



As we enter this time of the year, the hidden literary talents of VCET come into full bloom, culminating in the release of our very own VISTA 2024. In the realm of engineering, where we are often surrounded by technology and technical jargon, literary expression can sometimes appear as a distant voice. VISTA serves as a unique platform, offering our students the opportunity to showcase their creativity and literary skills. It is a celebration of expression, a fusion of imagination and thought, carefully woven into one captivating publication. Since its inception in 1994, Vidyavardhini's College of Engineering & Technology (VCET) has remained committed to contributing to nation-building through the power of education. We firmly believe in the importance of quality education and the mutual trust and perseverance required to achieve excellence.

At VCET, we hold the conviction that learning should be a source of joy, and teaching, a pleasure. We have achieved excellence, earned trust, and upheld the principles of education. We have nurtured young talents, demonstrated integrity, and stayed true to our motto: "Overall Development of the Students." Over the years, we have learned valuable lessons about fearlessly embracing new beginnings, creating success stories, and cherishing the memories along the way.

Beyond technical education, VCET is dedicated to addressing the diverse needs of our students, including in cultural, literary, social, entrepreneurial, and professional spheres. We provide ample opportunities for students to engage in competitions, internships, and recruitment drives. It is truly an honor to witness VCET's consistent excellence and leadership, both in academic achievements such as securing admissions to prestigious universities worldwide and in placements at leading companies. The experience of pursuing engineering education in such a dynamic, multifaceted environment is invaluable. Engineering, at VCET, is not just a formal education.

It is an intellectual foundation that fosters growth and prepares students to become leaders in technological innovation. Our alumni have made significant contributions to the field of technology, and we are confident that our current students will continue to lead advancements in the future. I take immense pride in sharing that VCET is recognized as one of the premier higher education institutions in the region, renowned for the excellence of its faculty, students, and alumni. Our commitment to staying at the forefront of knowledge ensures that we remain aligned with the ever-evolving demands of the professional world.

I am both proud and privileged to witness the success of our faculty and students. This year, I am especially pleased to announce that the Department of Civil Engineering, have received accreditation from the National Board of Accreditation (NBA), further solidifying VCET's reputation for excellence in education.

I hope you enjoy reading VISTA as much as our students enjoyed compiling it. May it inspire you, as it continues to reflect the creativity and ingenuity of our vibrant campus community.

**Mr. Vikas N. Vartak**  
**President**  
**VCET**

## FROM THE PRINCIPAL'S DESK



I am delighted to announce the publication of the college magazine, "VISTA," for the academic year 2023-24. At Vidyavardhini's College of Engineering and Technology, we are committed to fostering the holistic development of our students, transforming them into skilled and innovative engineering professionals. Our institution is proud to have embraced OBE, which is Outcome-Based Education to enhance the learning experience and ensure that our students are industry-ready.

We have introduced new courses in cutting-edge fields such as Electronics Engineering-VLSI Design and Technology, AI, and Data Science to keep up with the rapidly evolving technological landscape.

We also organize a comprehensive INDUCTION PROGRAM for newly admitted students, ensuring they are well-oriented and feel welcomed into our academic community. These sessions include discussions on Universal Human Values, aiming to cultivate a sense of ethics and empathy among our students.

In alignment with the National Education Policy (NEP), which is both flexible and inclusive, we are fostering a culture of innovation and entrepreneurship. The NEP's emphasis on research and start-up ecosystems is a step towards nurturing future leaders and innovators. We are excited about the gradual implementation of NEP in our curriculum and activities.

Beyond academics, we strongly encourage participation in extracurricular activities as we believe they play a crucial role in the overall development of our students. From sports to arts, these activities help in building teamwork, leadership, and creativity. "VISTA" serves as a platform for our students to showcase their creativity, thoughts, and achievements. It mirrors the vibrant life at our college, reflecting the literary, educational, and sports endeavors of our community.

I extend my heartfelt congratulations to the entire VISTA team for their dedication and effort in bringing this magazine to life. Your hard work has resulted in a publication that truly represents the spirit and accomplishments of our college.

Dr. Harish Vankudre  
Principal  
VCET

## FROM THE DEAN OF ACADEMICS



I am incredibly proud to share my thoughts on Vista'24, our beloved college magazine that truly reflects the creativity and spirit of the VCET community. A heartfelt thank you goes out to the incredible editorial team at Literati- the Literary Club, who have worked tirelessly to put together this edition, as well as to all the contributors who have shared their valuable ideas and stories. As we look back on another year filled with achievements, I am inspired by the growth and determination of our students and faculty. VCET is more than just a school; it's a vibrant community focused on innovation, teamwork, and striving for excellence.

This year has been particularly exciting, especially with the introduction of a new course in VLSI DESIGN AND TECHNOLOGY intended to keep our students updated with the latest in technology. The course focuses on the design and creation of electronic circuits, helping students understand how devices we use every day are made. This program is a great step toward ensuring our education meets the evolving needs of the job market.

Our students have also shone brightly outside the classroom, excelling in a variety of activities such as competitions and cultural events like ZEAL and Avahan. Their enthusiasm and participation have brought us many awards and recognition, showcasing the diverse talents we foster here at VCET.

We believe that education is about shaping well-rounded individuals. By combining solid academic learning, real-world experience, and engaging extracurricular activities, we aim to prepare our students for success in all aspects of life. We are introducing more programs that connect different subjects and provide access to the latest tools and resources, ensuring our students are ready to face real-world challenges confidently.

As we celebrate Vista'24, let it remind us of our commitment to continuous growth, creativity, and well-rounded development. I am grateful to the entire VCET family for their unwavering dedication and efforts, and I eagerly anticipate seeing our students and faculty continue to excel in the future.

**Dr. Vikas Gupta**  
Dean  
Academics



## FROM THE DEAN OF STUDENT AFFAIRS



As the Dean of Student Affairs, it is my privilege to present this year's edition of Vista'24, our college magazine—a reflection of the creativity, dedication, and collective spirit of our students. This publication stands as a testament to the relentless efforts of the editorial team of Literati - The Literary Club, and I extend my heartfelt gratitude to the editor-in-chief and the entire team for their unwavering commitment to bringing this magazine to life. At VCET, we believe that education extends beyond textbooks and classrooms. Our mission has always been to empower students with the skills, knowledge, and confidence to excel not just academically, but also in professional and personal spheres.

We are committed to fostering an environment where innovation, leadership, and holistic development thrive, preparing our students to take on real-world challenges with determination and integrity. This academic year has been a remarkable one, marked by a series of dynamic events that brought together students from all disciplines. The Student Council once again organized ZEAL, our grand cultural extravaganza, featuring DJ War, Symphony, and DJ Night. Similarly, AVAHAN, our annual sports festival, provided a platform for students to display their athletic prowess, teamwork, and sportsmanship. These events go beyond mere competition—they nurture resilience, discipline, and a strong sense of unity among students.

The Literati Club's flagship event, LITFEST, proved to be yet another milestone, providing students with a stage to express their literary and artistic creativity through writing, storytelling, and engaging discussions. Additionally, our National Service Scheme (NSS) volunteers upheld their commitment to social responsibility through impactful initiatives such as tree plantation drives, cleanliness campaigns, and community awareness programs. These activities not only benefit society but also instill a sense of leadership and civic engagement among students. Moreover, the Microsoft Learn Student Club (MLSC) has played a crucial role in equipping students with hands-on technical knowledge, providing them with the opportunity to explore cutting-edge technologies, collaborate on projects, and enhance their skills in emerging fields. Academically, VCET continues to evolve, introducing new avenues for learning, including the VLSI course, which aligns with the rapidly growing semiconductor and electronics industry.

This addition ensures that our students remain at the forefront of technological advancements, gaining expertise in one of the most crucial fields of modern engineering. Vista'24 is a celebration of the dynamism, creativity, and perseverance of our students. Each article, story, and creative piece in this magazine is a reflection of their passion and hard work. I sincerely thank all contributors for making this edition a success and look forward to seeing our students continue to excel in academics, sports, and extracurricular pursuits.

**Dr. Madhavi Waghmare**  
Dean  
Student Affairs

## FROM THE STAFF INCHARGE



Being part of Literati- the Literary Club, which is our college's vibrant literary club, has been a profoundly enriching experience. This committee has served as a dynamic platform for literature enthusiasts across the campus, and it has been a privilege to witness its growth and evolution. Our journey from contributing members to active participants in the club's overall development has been nothing short of inspiring. Each year, we push the boundaries, creating new opportunities for students to immerse themselves in the world of literature. This year, Literati hosted a range of captivating events that captivated our college community.

Events like Kavi Sammelan in both Hindi and Marathi, Bharatiya Bhasha Utsav as well as Extempore, Faceoff and Litfest which is a flagship event consisting of various exciting activities like Spell Bee, Literature Quiz, Choose your Anime, Look into the book, Love Letter Writing and many more were hosted and had a great response from the students. The most epic event was Marathi Bhasha Divas in which the students performed 'Geet Ramayan' and it was highly enjoyable and exceptionally well-executed.

The theme for this year's magazine, Pratibimb - Nurturing Ideas, Inspiring Minds, beautifully encapsulates the ideas of growth and transformation. It invites us to look back at our journeys, contemplate our evolution, and dream about what lies ahead. The contributions we received from insightful articles to creative pieces- embodied this theme, making Vista'24 a reflective representation of our shared experiences and collective growth.

I extend my heartfelt gratitude to our Management, Principal, Joint Director, Deans, HODs, Registrar, Faculty Members, and Committee In-charges for their unwavering support and encouragement. A special thanks to all the students who played a pivotal role in making this year a resounding success, whether by contributing to the magazine, participating in events, or helping with the organization.

A special mention must be made of Mr. Aayush Jha, our Chairperson, whose outstanding leadership and steadfast commitment have been instrumental in Literati's success. Working alongside him and our dedicated team has been a true privilege, and I look forward with excitement to the journeys yet to come.

Here's to more reflections, more stories, and countless opportunities for our voices to be heard.

**Ms. Swati Verma**  
**Staff In-charge**  
**Literati - The Literary Club**

# FROM THE CHAIRPERSON



नमस्कार,

आशा करता हूं आप सभी अच्छे होंगे। मैं आयुष झा, Literati - The Literary Club के चेयरपर्सन के नाते ये संबोधन लिखते हुए अत्यंत गौरवान्वित महसूस कर रहा हूं। हमारे महाविद्यालय के वार्षिक पत्रिका VISTA का ये २५वीं संस्करण, और इस वर्ष की थीम है '*Pratibimb - Nurturing Ideas, Inspiring Minds*'. सन १९९९ - २००० से लेके आज तक, २५ वर्षों में, हमने बहुत सारे उतार - चढ़ाव देखे हैं। नेल्सन परेरा सर जो मैगजीन समिति के पहले स्टाफ प्रभारी थे, उनसे लेके अभी लिटराती क्लब की स्टाफ प्रभारी स्वाति वर्मा मैम, सबने कुशल मार्गदर्शन किया है, इन सभी का बहुत-बहुत धन्यवाद। मैं यह कामना करता हूं कि यह और २५ वर्षों तक फले-फुले।

अपने कार्यकाल की बात करु तो, पिछले १ वर्ष में, हमने लिटराती क्लब के द्वारा कई सारे प्रतियोगिता आयोजित किये, जैसे की लिटफेस्ट'24, अनस्क्रीप्टेड, हिंदी और मराठी कवि सम्मेलन, भारतीय भाषा उत्सव, सेमिनार, मराठी भाषा दिवस और ११वाँ संस्करण फेसऑफ़ का। फेसऑफ़ ११ इस बार अपने महाविद्यालय के विभागो तक ही सीमित रहा कुछ कारणवश हम इंटरकॉलेजिएट समारोह नहीं करवा पाए ये मेरे कार्यकाल की कुछ असफलता में से सबसे बड़ी असफलता है। और कुछ नए समारोह इस बार हुए, भारतीय भाषा उत्सव ये सभी भारतीय भाषा के गौरव दर्शाने के लिए किया गया था, 'इंक एंड इमेजिनेशन' सेमिनार जो एक लेखक के साथ किया गया समारोह था, हमारे ये वर्ष के लिटफेस्ट का थीम MEME-I-STAN जो हमारे सदस्य सूर्यनारायण का दिया हुआ था, ये थीम साहित्य के हास्य को जुड़ता हुआ एक सम्मेलन था, जिसकी MEMEBAAZI जैसे अनेक आयोजन हुए। पर सबसे मुख्य समारोह था मराठी भाषा दिवस जो कि गीत रामायण पर आधारित था, जो हमारे सह अध्यक्ष ओंकार जाधव, मराठी संपादक सौरभ पाटील और एडमिन टीम सदस्य ऋतुजा पेडणेकर के दिमाग के उपज थी। जिसके कारण हमारे महाविद्यालय के इतिहास में पहली बार रामायण का पूरा नाटक हुआ, जो मैं, मेरी अपनी एक महत्वपूर्ण सफलता मानता हूं।

ये सब हमारे मुख्य - अध्यापक डॉ. हरीश वानकुद्रे सर, डीन डॉ. माधवी वाघमारे मैम, स्टाफ प्रभारी स्वाति वर्मा मैम के मार्गदर्शन के बिना असंभव था, इन सभी को हृदय से धन्यवाद। मैं सबसे ज्यादा हमारे बी. ई. , साहिल, उर्वशी, ओंकार जाधव, फैजान, रीना, पल्लवी, ओंकार नंदगांवकर, समर्थ, जान्हवी, निहारिका, गौतम, खंजन और साक्षी का ऋणी रहूंगा, उन्होंने हमेशा मेरा साथ दिया, चाहे कैसी भी परिस्थिती थी, ये मेरे साथ खड़े थे, इन सभी का बहुत-बहुत धन्यवाद। और मेरे प्यारे जूनियर्स को भी बहुत बहुत धन्यवाद, आप सभी थे इसीलिये मैं ये समिति को सही से चला पाया | मैं ये चाहता हूं आप सभी इस क्लब को और अच्छे से चलाएं, अपने कौशल में सुधार करें, कुछ नया सीखें, आपस में एक परिवार की तरह रहे, जैसे हम बोलते हैं लिटराती क्लब को #litfam।

Aayush Jha  
Chairperson

Literati - The Literary Club

## **FROM THE STUDENTS' COUNCIL FACULTY COORDINATOR**



As we usher in another edition of VISTA, the annual literary magazine of VCET, I am filled with immense pleasure and admiration for the creative and intellectual brilliance showcased by our students. Over the years, VISTA has grown to become a beacon of expression and innovation, providing a platform for young minds to explore and share their thoughts, ideas, and imagination. The Students' Council stands as a testament to the vibrant student life at VCET, bridging the gap between aspirations and achievements.

It is a privilege to guide such dedicated and enthusiastic individuals who not only excel academically but also take active roles in fostering a holistic campus environment. The council has continuously been instrumental in organizing cultural, technical, and social events that leave long lasting impressions on our college community.

The Students' Council is responsible for the major events like Fresher's Party, Garba Night, Farewell and the Annual College Fest- ZEAL. The Zeal is the heart and soul of the Students' Council. The theme for which was Alchemy.

I encourage every student to participate in these events and take initiative to broaden the perspectives of the students, figure out their interests and take a break from the everyday life. I believe that along with the knowledge which the students gain in the classrooms, the experiences they gain outside are also important to nurture their behaviours and to make them better communicators.

I am immensely grateful to our management, Principal, Deans, Registrar, Committee-in charges and staff members for their continual support and encouragement that was crucial the past year a success. Also, I am grateful to our GS Mr. Omkar Joshi, and the entire team for their contributions to the Students' Council in various capacities. Lastly, I am certainly honoured and blessed to have such young, talented members who strive for utmost excellence for this committee and institution.

**Dr. Madhavi Waghmare**  
Faculty Coordinator  
Students' Council

# FROM THE GENERAL SECRETARY



Hello everyone,

As I pen down this addressal, I am filled with a mix of emotions, gratitude, nostalgia, and pride. Serving as the General Secretary of the Students' Council has been an unforgettable journey, one that I will cherish for a lifetime. This role has not only shaped my college life but has also helped me grow as an individual. Looking back, my journey with the Students' Council began in the first year of engineering when I joined as a member of the Admin Team. It was a unique experience as Zeal was conducted online due to the pandemic, but despite the challenges, our enthusiasm and teamwork made it a success.

Moving into my second year, I took on the role of Admin Coordinator, where I further developed my leadership skills and adaptability.

In my third year, I served as the Deputy Treasurer. Managing the council's finances and ensuring smooth operations during this phase was both challenging and rewarding, teaching me the value of responsibility and precision. Finally, in my fourth and final year, I had the honour of serving as the General Secretary. This role allowed me to lead an incredible team and work towards making our events, especially Zeal, even more vibrant and memorable. The offline editions of Zeal, post-pandemic, truly brought out the essence of camaraderie, hard work, and celebration that we all cherish.

These four years have been an extraordinary journey filled with valuable lessons, unforgettable memories, and countless moments of joy. The Students' Council has been like a family to me, and working alongside such talented and dedicated individuals has been a privilege. Together, we have created experiences that will forever remain etched in my heart.

I would like to take this opportunity to express my deepest gratitude to my amazing Council Members, especially Manas Parab (Deputy General Secretary) and Sahil Gujral (Treasurer), for their incredible support and dedication throughout the year. Their hard work and collaboration were instrumental in making our initiatives a success. A special thanks to my predecessors, whose guidance has been invaluable, and to the entire BE Council for their tireless efforts.

I would also like to thank our Students' Council Coordinator, Dr. Madhavi Waghmare, for her unwavering encouragement and mentorship. Her guidance has been a cornerstone of our success. To my juniors, I wish you all the very best in your endeavours. Remember, the council is more than just a committee; it is a place where you will find purpose, build lifelong friendships, and grow into the best version of yourself. Lastly, to all the readers, I leave you with this thought: Embrace every opportunity, no matter how small, because it might lead to something extraordinary. The Students' Council has been a cornerstone of my life, and I will always look back at this journey with immense gratitude and pride. Thank you for allowing me to serve you as the General Secretary. It has been an honour.

**Omkar Joshi**  
General Secretary  
Students' Council

# FROM THE JOINT SPORTS SECRETARY



**Hello Everyone,**

**As the Joint Sports Secretary, I'm thrilled to convene the Sports Committee and foster a spirit of athletic excellence within our college. Our mission is to elevate our sports programs, and one remarkable highlight from the past year was the grand sporting extravaganza, 'Avahan,' which took place from January 15th to January 21st, 2024. During Avahan, our college was transformed into a hub of sporting action.**

**Students enthusiastically participated in a wide array of sports, including kabaddi, football, volleyball, badminton, and table tennis, competing at both the inter and intra-college levels. This festival of sports brought together talents from various disciplines, uniting the college in the spirit of healthy competition.**

**At the intra-college level, exciting events such as box cricket, throwball, and tug of war created an electric atmosphere, fostering a strong sense of camaraderie among our students. Avahan encapsulated the values of teamwork, sportsmanship, and physical fitness.**

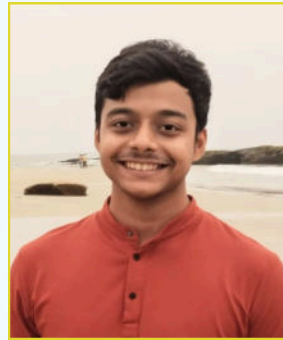
**I would like to commend all the participants for their dedication and enthusiasm, and extend my gratitude to the organizing committee for orchestrating a remarkable event.**

**A special thank you to the Sports Committee members whose hard work made Avahan a resounding success. Your dedication and commitment are the driving force behind our sports programs, and I look forward to another year of incredible achievements.**

**Together, we shall continue to cultivate a culture of sports excellence within our college community, celebrating achievements, fostering camaraderie, and inspiring our students to strive for greatness in sports. Thank you for allowing me to serve you as the Joint Sports Secretary. It has been an honour.**

**Pallavi Thakur  
Joint Sports Secretary  
Sports Committee**

## FROM THE EDITORIAL HEADS



Dear Valued Readers, As we write our farewell message as Editorial Heads of the Literati Club 2024, we are honoured to present to you the latest edition of our magazine, **Pratibimb: Nurturing Ideas, Inspiring Minds**.

Reflecting on our shared journey with Literati, we are filled with immense pride and gratitude. Starting as Sub-editors in Hindi and English, and growing into Editorial Heads, Literati has been a transformative experience for both of us, fostering creativity, collaboration, and growth. In these challenging times, our mission at Literati has been to spread love, kindness, and understanding through literature. Our theme, “Pratibimb – Nurturing ideas, Inspiring Minds,” exemplifies our aim to foster empathy, inspire positive change, and bring people together through meaningful narratives.

This past year has been remarkable, with unforgettable events like Faceoff, Bhartiya Bhasha Diwas, Marathi Bhasha Diwas, and Kavi Sammelan. Among these, performing Geet Ramayan stands out as a cherished memory, uniting the team in creativity and cultural celebration.

We extend our heartfelt thanks to our readers, whose unwavering support has been the driving force behind Literati’s success. We are also deeply grateful to our guiding lights—our Principal, Dr. Harish Vankudre, and our Staff In-charge, Ms. Swati Varma—whose encouragement has been invaluable. To our amazing team members, we owe our deepest gratitude. Your dedication and passion for literature have been the foundation of everything we have achieved together.

As we bid farewell, we present this edition of Vista as a testament to the power of literature to touch hearts, expand minds, and bring communities closer. Let us continue to use the transformative power of words to inspire and unite.

Thank you for being a part of this journey.

Sakshi Ghonge and Faizan Raiba  
Editorial Heads  
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**1**

**ENGLISH  
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# EDITORIAL



**"WORDS HAVE THE POWER TO CREATE, TO INSPIRE, AND TO TRANSFORM."**

Having had the privilege of serving as the English Editor last year, it fills me with immense joy to witness yet another successful edition of our beloved Vista magazine. Reflecting on my journey, I realize how every page created last year was a testament to passion, creativity, and firm teamwork. This year, I am equally inspired by the work put forth by the current team, taking our legacy to even greater heights.

The past year reminded us of the incredible strength of words in connecting people, igniting minds, and cultivating hope. It gave us a new appreciation for collaboration and creativity. With "PRATIBIMB," we aim to continue this tradition by providing a platform to reflect upon ourselves and unveil the untold stories. The vibrancy of this magazine reflect the essence of literature and the boundless imagination of our contributors.

I extend my heartfelt gratitude to our respected Principal, Dr. Harish Vankudre, and our staff in charge, Ms. Swati Verma, for their guidance and unwavering support. A special thanks to the Chairperson, Mr. Aayush Jha, for his leadership in steering the committee through another successful year.

As you turn the pages of this edition, I hope you immerse yourself in the diverse perspectives and creative expressions that our talented team has curated. Let every article unfold a new story, create a new perspective and inspire you to pause, reflect, and embrace new directions with energy and determination. Together, let us continue to dream, learn, and achieve.

**Shubham Shah**  
**English Editor**  
**TE - AI&DS**



## Engineering - The precious phase of our life !



As soon as we wrap up our 12th grade, we are eager to start our fresh journey towards the four main and most crucial years of our life, i.e., "ENGINEERING". Our first year of engineering is basically about dealing with new people and adjusting ourselves; there are many unfamiliar things that come across us. Every day is a new challenge, and we get to learn several innovative things. As a first-year student, there is a whirlwind of thoughts and feelings which came to my mind. The thrill of exploring a field that has always captivated me was overwhelming! Simultaneously, there were numerous questions revolving around my mind: Will I be able to find my tribe among the people around me? Will I be able to form genuine bonds with people who share my passions and interests, or will I get lost in the ocean of competition? And then, of course, there is the challenging task of time management, maintaining pace with the demanding schedule of lectures, assignments, and extracurricular activities. There were multiple thoughts that frightened me, but as I immersed myself into the world of engineering, I discovered that it is not just about individual brilliance; it is about combining our strengths to achieve something truly remarkable. Group projects play an essential part, through which I have learned that when we share our knowledge and expertise, we can achieve far more than we ever could alone, and the results are truly incredible!

Also, when I talk about college how can I miss this part i.e. Friendship. The most important element which is the heart to our college experience. It is also about some wonderful people we relate with along our way. These are the people with whom we can share our doubts, our primary concerns and some of our silly dreams. They are literally our listener, advisor, secret keepers, and our partner in crime! From skipping lectures to sharing tiffin, from completing assignments together to cracking jokes, they bring the real fun factor to our journey. They are the ones who help us through the highs and lows of college life, who push us to take chances, and who cheer us on when we achieve our goals. They fill the void and make our journey wholesome. Here's to our buddies who indeed make college memorable!

On the other hand, this journey isn't just about technical skills; it primarily includes the route of "self-exploration". From knowing our strengths and strengthening them further to realizing our weaknesses and enhancing them. This course will teach us a lot, not just in terms of academics, but also in identifying our true selves and developing essential life skills and ethical values. Of course, it's not all smooth sailing; it's a roller-coaster ride, with some highs and lows.



But the excitement of learning, creating, and pushing ourselves to new heights makes it all worth it. There are definitely times when we feel frustrated and wonder, "Is this truly where we fit in?" Those moments are difficult, but they also remind us that it's all part of our journey. It's in those struggles that we learn the most about ourself and what we are capable of.

It eventually teaches us how to be stronger and to fight back like a warrior on the battlefield. These times are the best time to boost ourselves and take a leap into the air. Being an engineering student is an exhilarating experience, full of twists and turns! However, it is also a path filled with growth, transformation, and learning. I'm truly committed to this journey, and I'm willing to see how these experiences will mould me into the person I'm meant to be!

**Umera Shaikh**  
**FE - CSE(DS)**

## The Masks of Smiles



Emotionally weak, crying from within,  
You will always see her smiling.  
No matter what people say about her,  
She always has that loud laughter.

She often prefers to be alone,  
She spends most of her time on phone.  
Avoiding talking to people she knows,  
She uses earphones wherever she goes.

Her own family won't trust her,  
But from within she was a tiger.  
Bold, fierce, strong and brave,  
About society, she won't care.

You can never say it from her face,  
That she has so many problems to face.  
And that her life is a total mess  
Yet quietly she enters the race.

Abandoned by her friends  
Her time, with books she spends.  
Whenever someone asks for help  
She won't hesitate to be herself.

Yet, they call her self-centered  
And would leave her when she entered,  
Be it their life or any place  
They would envy as she would ace.

Her struggles are unknown by others  
Yet the weight of responsibility bothers.  
And always, there's a thing that is constant  
The broad Smile that looks so relevant.

**Niyukti Patil**  
**TE - INFT**



## Choose Your Own Destiny



When things go wrong in your life, you may tend to attribute it to your destiny- “It was destined to happen...” or “It was my destiny,” or something similar. But the fact is that destiny is not a matter of chance; rather, it is a matter of choice. It is during difficult times that we discover how strong we truly are. Saying that destiny is within your control does not mean you can control every aspect of your life, but rather that your choices shape your future. Every event is caused by some action, every action is the result of a decision, and every decision is made by your will. Therefore, the choices you make in life determine your destiny.

If the circumstances around you are not to your liking, who can you blame? The only productive action you can take is to work toward creating better circumstances. The best thing about life on Earth is that you are given free will to choose. However, when wrong choices are made with free will, the outcome is often unpleasant. If your mind is already filled with preconceived ideas and notions, there is no space for new thoughts to enter.

A valuable lesson can be learned from water. Water offers no direct resistance but flows around obstacles. However, it will erode anything that stands in its way for long. Its flowing nature makes it almost impossible to stop. But whenever its flow is blocked, it begins to stagnate. Our lives should be lived in the same way—constantly moving forward. Right choices lead to a life of happiness and success. If you blame destiny and regret your circumstances, it only shows a lack of responsibility for your own decisions.

There may be times when you say, “I wish I had done that differently.” Every moment in life presents you with choices. It is up to you to make the right ones that will shape your future. Often, we are more worried about making the wrong decisions than focusing on what is right. To achieve great success in life, one must first admit their faults to overcome them.

Before making any decision, the most important thing is to have faith in yourself. In life, learning how to spend in balance is just as important as learning how to earn in abundance. For a happy life, replace expecting with accepting.

**Raja Shah**  
**TE - MECH**



## Seize the Leap



We sometimes get overwhelmed with the opportunities present in front of us so much that we don't feel ready for it yet. Waiting for that perfect moment or maybe a miracle to happen that will change the course of our life of miseries might seem a viable option at that moment but in future it provides us with regret of lost opportunities. That reminds me of a quote "When it feels scary to jump, that is exactly when you jump. Otherwise, you end up staying in the same place your whole life." from the movie 'A Most Violent Year.'

The moment the fear kicks in and we start thinking about whether to do that thing or just procrastinate because we aren't ready is the moment where the courage starts to crumble down and the self-doubt starts to creep in.

Maybe you are as ready as you would ever be to join that committee which aligns with your interest or maybe you are far better off than most of the people that will participate in the event or any competition you are wanting to. Seldom rejecting the opportunities in our way for trivial work at hand invites nothing but more trivial work for life. Maybe giving it a shot might work and hey even if it doesn't, at least we tried our best and let there be no regrets henceforth for not seizing that opportunity.

**Pranav Shinde**  
FE - CSE(DS)

## Hugged by tranquility



In search for you I went  
East - west and north – south  
Tried hard to trap you forever  
But, no you chose to run every time  
Beyond the limits of oceans

Memories are the only testament now  
Sometime thereafter it starts to fade  
Days became gloomy and nights only  
Shined by the tiny stars  
Becomes vague, so our past

Life is like seasons, it changes with time  
From thunderstorms to silent nights, Sobbing for  
hours to laughter all days  
Circled around many to being alone in that circle  
Every time meeting this polarity is amazing  
Through you, I understood nuances of life  
My tired heart, numb mind and sore muscles have  
given up in unison, the search has been stopped  
They together made up their conclusion

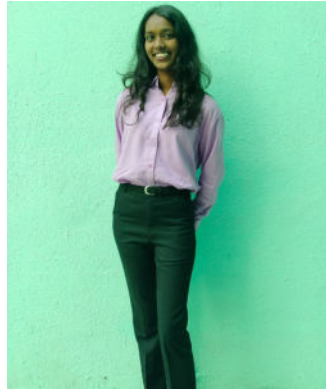
"If you are depressed you are living in the past if you  
are anxious you are living in the future,  
if you are at peace, you are living in the present." —

Lao Tzu

**Aryan Rane**  
FE - VLSI



## A Book Review on “The Rudest Book Ever”



As the book titled “The Rudest Book Ever” by Shwetabh Gangwar is a thought-provoking self-help book that challenges traditional ideas, with its blunt tone, the book serves as a wake-up call for readers to stop seeking validation and instead embrace their individuality. Author’s advice spans topics like handling rejection, questioning societal norms, and developing emotional independence. Unlike many self-help books, this one delivers its lessons with sharp wit and no sugarcoating, making it both engaging and unsettling.

The book achieves its goal of encouraging readers to rethink their perspectives on life and relationships. Its bold approach resonates with individuals who are tired of regular advice. While some chapters feel overly simplified, the overall message inspires readers to confront uncomfortable truths and take charge of their lives individually.

As we move towards the review, let us talk about strengths of the book. This book speaks brutally honest and refreshing perspective. It also deals with relatable examples that connect well with young readers. A conversational, humorous tone that keeps the content engaging.

Also, there are quite weakness of this book that the bluntness might alienate sensitive readers. Also, some ideas, while impactful, lack depth or nuanced exploration. Lastly, author’s approach towards any problem can feel repetitive in certain sections.

If you are someone who appreciates straightforward advice and isn’t afraid of facing hard truths, The Rudest Book Ever is a must-read. It’s particularly suited for young adults navigating personal and societal challenges. However, if you prefer more empathetic and nuanced guidance, this book may not be the right fit.

Overall, I recommend this book to those who are ready for a mind shift and who can handle its unapologetically rude yet insightful approach.

**Preeti Prajapati**  
**SE - AI&DS**





## Will you miss me mate?



When I am gone,  
Lying silent all alone,  
The rain outside whispers our goodbye,  
Each drop a tear from a weeping sky.

Flowers you beside my head,  
Their petals soft, their fragrance spread,  
Awaits the moment they too will fade,  
In time's embrace, where memories are made.

In this room, where shadows flittering play,  
I dream of you, though far away,  
In another universe, we'll meet again,  
Where love transcends, all earthly pain.

Do you recall our laughter, our sighs,  
The secrets share under the starry skies?  
Hold them close, as you journey on,  
For in your heart, I will never be gone.

So..., will you miss me? mate? When twilights fall,  
When the universe answers the final calls?  
In this new realm, my love, I await,  
Eternal, bound by an unbroken fate.

**Divya Davane**  
FE - AI&DS

## A Runner's Tale



With each stride you put behind  
You're tussling with your mind  
It's not about finishing on time  
But the challenge that you took behind

Running isn't just about running  
It's learning the art of self-fooling  
The wrong distance that you keep telling  
And mind game which you keep playing

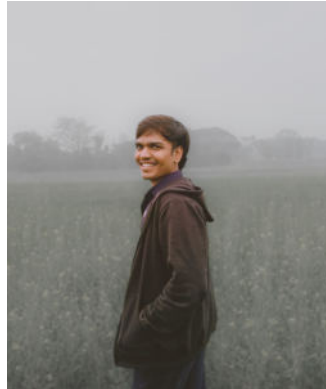
If thirsty yet running  
If sore and not stopping  
If tired yet continuing  
If body is giving up and yet not quitting!!

Then this person would find his gain  
In that long endurance pain  
Will be Motivated till the last vein  
So will do this again and again

**Aryan Rane**  
FE- VLSI



## Do Children Need to Be Taught to Face Life?



It is said that “when you walk out of the storm, you won’t be the same person that walked in; that is what the storm is all about.” When a child takes their first step, it is never a step taken alone. The child grabs the fingers of their parents and takes their first step into the world. The parents are aware that the child may fall and hurt themselves in the process of learning to walk, but parental support is crucial in preparing the child to meet the challenge of walking. While the fingers of the parent offer support, they are never overpowering and yet provide guidance for the child.

Today, the world is undergoing a lot of change- some good and some bad. Children are exposed to much more information compared to their parents. In the process of growing up, children may encounter many challenges and problems. Who can prepare them to meet and deal with these issues better than their parents? Parents should encourage their children to communicate openly about their apprehensions and fears. On the other hand, parents should give their children a patient hearing and never shout at or reprimand them. No matter how trivial the problem or issue may seem, a patient hearing followed by suggestions or guidance will enable the child to prepare for upcoming challenges and equip them to face difficulties more effectively.

Most of the time, several factors such as lack of time, absence of open communication, and peer pressure prevent a child from seeking advice from their parents. They may turn to a friend or senior for help, which can sometimes lead to misguided advice. Therefore, we must always ensure that parents maintain open communication and get directly involved in preparing the child to meet future challenges. A well-prepared child will be able to handle these challenges confidently, seeking parental guidance as and when required.

Life is uncertain, and its problems are often unforeseen. However, a certain level of preparedness will always be beneficial. It is better to be prepared and face challenges rather than be caught unawares. A child should therefore be given the necessary inputs and guidance to help them meet the challenges of life.

**Raja Shah**  
**TE - MECH**



## Magic of Friendship

A melody found in disharmony of surrounding  
In the chaos of life, a sweet note resounding,  
Patronus in the forbidden forest,  
A bond of trust that brings out the best

The otter and the stag facing the boggart together  
Our fears and horrors we tether,  
With laughter as armor, we stand side by side,  
In a world filled with magic, where hope will not  
hide

**Pranav Shinde**  
FE- CSE(DS)

## It's the beginning of the new Season



It was like the start of the monsoon season,  
And shockingly like the thunder reason,  
The pavement was bloomed,  
But maybe the route was too swooned,  
Just like the crazy mornings the evening was to be  
roomed,  
Just like the setting sun everything was set up,  
It was the end of the monsoon season and a new  
journey of autumn,  
When the leaves were about to fall but remembered  
as a part of the tree.  
"Just like the seasons of life each season comes with  
a new learning"

**Nihaal Gharat**  
FE- AI& DS

## Ode to him



In childhood play,  
We found bond so true,  
A friendship blossomed,  
Skies so blue.  
Laughing and dreaming,  
Side by side we grew.  
My first boy bestie, my heart  
Whispers to you.

Years have passed, yet feelings remain,  
A love unspoken, a secret refrain  
Through life's twist and turns,  
We've stayed closed,  
But my heart's longing,  
Only you know.

You have a girlfriend,  
I respect her place,  
Yet my feelings for you,  
I can't erase.  
In quiet moments, I think  
Of what could be,  
A love story untold, between  
You and me.

But as friends, we'll stay, Our bond unbroken,  
Cherishing memories, words unspoken.  
For my first boy bestie, you'll always be,  
In my heart, forever, you hold the key.

**Divya Davane**  
FE - AI&DS



## People



When they gesture you to take their seat cause their getting off the train in some time anyway,  
When they scoot over to make space for a 3rd person in a place that seems to only fit two people,  
When they try to entertain the kid to give a break to the tired parent,  
When they rush to see if you're okay when you just almost trip over,  
When they make space for you to pass through cause you seem to be in a rush,  
When they randomly compliment you about something you'd not noticed about yourself,  
When they patiently give directions while checking if you understand it the way you need to,  
When they passionately take a few snaps and wait till you confirm that you liked the pictures,

It's the momentary concern they have for a complete stranger,  
They don't expect anything, are just smiled at when they lock eyes, and give a lovely smile back with a tiny nod,  
No words exchanged.  
And they just move on.  
Think they're forgotten the next moment.

But the silent gratitude that's present in warm hearts?

When they finally take a seat after standing for what felt like hours after a rough day,  
When they close their eyes with a deep sigh for a second away from the fidgety, hyperactive kid,  
When they realize they literally just tripped over air and there's nothing to be worried about,  
When they reach wherever on time cause it was surprisingly simpler to navigate through a crowd,  
When they fondly touch over the part that has just been said to be 'loved' by someone,  
When they're relieved to reach the desired location without much hassle,  
When they save the pictures taken and later post them,

Feels surreal to think about these kind interactions among people.  
And more so when you think maybe you're a part of that too.  
Maybe someone's kept quiet about their fleeting admiration for you.  
Maybe thought about you later that day.  
Maybe don't remember your face, but remember what you made them feel.  
For a short period, granted, but you made a positive impact on their emotions.  
So maybe people are nice.

**Yashasvi Chunchu**  
**FE - COMPS**

२

हिंदी

विभाग

# EDITORIAL



नमस्कार,

लेखकों की ताकत, वक्ताओं की जान और श्रोताओं का जो सन्मान है। पूरे जगत में निराली ऐसी मेरी हिंदी भाषा महान है।

जब २८ राज्यों को और ८ केंद्र-शाषित राज्यों के लोगो को एक समान पट पर लाती है तब हमारी हिंदी हमें हिंदुस्तानी कहलाती है। "हिंदी" हम सभी भारतीयों की दैनंदिन जीवन में सहजता से आदान प्रदान कराती है एवं अपने विचारधाराओं और प्रतिभा को संचालित कराने में भाषा रूपी साधन बनाती है।

हिंदी भाषा को देवनागरी लिपि में लिखा जाता है महज संस्कृत और मराठी की तरह इन भाषाओं की खास बात यह है कि इनमें काना, मात्रा, आकार, उकार, अनुस्वार आदि कोई भी भेद हो पर एक "शब्द" का स्वरूप लेने के लिए इन्हें एक "शिरोरेखा" के नीचे आना ही होता है। यही भाषा की लिखावट हमें यह सिखाती है कि मनुष्य होने की वजह है हम अर्थात रूप से सभी भिन्न जरूर है पर अगर हम यही भिन्नता को लेकर एकत्रित होते है तोह हमारे राष्ट्र की "एकता" और "एकात्मता" को कोई आँच भी नहीं पहुँचा सकता।

संत कालिदासजी, संत कबीरजी, मुन्शी प्रेमचंदजी, हरिवंशराय बच्चनजी ने हिंदी कविता एवं साहित्यों को बहुगुणित वर्ग प्राप्ति कराकर दी है। इनके तरह और भी हिंदी प्रेमियोंका इस भाषा को सन्मान दिलाने में और इसका विस्तार कराने में योगदान रहा है। तोह इसीलिए इस देश का एक युवा होने के नाते आप सभी से अनुरोध करता हूँ कि भले ही आप पाश्चिमात्य संस्कृति का अवलोकन करिये पर अपनी मूल संस्कृति और मूल धाराओं को न भूलिये। अपनी भाषा को अपनी माँ समान दर्जा दीजिये। और किसी भी भारतीय वंश के भाषा को नीचली नजर से न देखे।

विस्था २०२४ की संकल्पना "प्रतिबिम्ब" विषय पर आधारित है। हम भी अगर हिंदी भाषा को दर्पण के स्वरूप मानकर अपना प्रतिबिम्ब उसमें देखने की कोशिश करेंगे तोह आपको स्वयं ही एहसास होगा की इस बोली भाषा को अपनाकर इस देश की बोली भाषा को अपनाकर आपने अपने छवि का सन्मान बढ़ाया है।

बस इतना लिखकर में अब अपनी कलम को विराम देता हूँ, तब तक के लिए खूब पढ़े खूब नए नए लेख लिखिए और अपने साहित्य को योगदान दीजिये।

जय हिंद, जय महाराष्ट्र

**चिन्मय साटम**  
**Hindi Editor**  
**TE AI&(DS)**



## मृत्युंजय



तलवार निकली वह जिसकी म्यान से  
सूर्य तेज के समान चमक आती है।  
क्षितिज से उभरती वो किरने भी शीश उस महान योद्धा  
से सामने नवाती है।

पत्थर और चट्टानों पर मेरे भगवान का वो मंदिर बसा  
जय भवानी जय शिवाजी की ललकार में हर मरहट्टा  
जाग उठा

तरनि तनूज तट तमाल तरुवर बहु छाए।  
सुत सिवा का मानो ऐसा स्वराज्य रक्षक सम भाए

पूनम की रात थी मगर अपनो के छलावे की अमावस  
छाई

लपेट गयी जंजीरे शेर सम्भा को वोह  
लपेट गयी जंजीरे शेर सम्भा को वोह मानो जैसे ग्रहण  
की काल समाई।

जंजीरे वोह बंदिशो की शर्म से नजरे झुकाये बैठी थी  
जंजीरे वो बंदिशो की शर्म से नजरे झुकाये बैठी थी  
मौत का तांडव खड़ा था जिसके सर पे उसकी गर्दन शान  
से ऊंची थी।

सारे जीवन भर जो अपनी माता पिता के साथ बढ़ा था  
मौत जब आयी सामने तब कृष्ण जैसा साथी उसके  
साथ खड़ा था।

खड़ी चट्टान भी लागे मात्र रेत के कण से बराबर  
कवि कलश जैसो सखा लाभे जीवन में केवल एकबार  
काल कठिन बढ़ा वो जब अपने ही बने पराये  
मीठे बोल पर हाथ में खंजर लेकर  
मीठे बोल पर हाथ में खंजर लेकर, साथी अपने में  
समाए

पर खिल निकली कमल जैसे वो मित्रता कीचड़ की  
कलुषितता को चीरकर।

अंग पे पड़े घन व्रण  
कर नेत्र छटीत करे विलग

आभूषण रचित बाहु आज हुए रक्तरंजित  
प्राण गयो उसका तवचित धर्म ना जाये यदाचित  
अवरंग सवय घुटने टेके राजा मेरा ऐसा धुरंधर  
हार कर द्वंद जिंदगी की अमर हुआ मेरा राजा ऐसा  
हतबल औरंग पढ़ते हुए नमाज में बोल गया कुछ ऐसा।  
कैद तोह हम हुए रहल्ला और सोच उनकी आजाद हुई  
क्यों नहीं हुआ एक भी सुरमा उनके जैसा  
जिनकी औलादे मरकर भी आबाद रही  
जिनकी औलादे मरकर भी आबाद रही

चिन्मय साटम  
TE - AI&DS

## तो क्या होगा...



हम बोलने पे उतर आए, तो क्या होगा....  
कई रिश्ते टूटेंगे, कई दिल तबाह होगा।

आयुष झा  
BE - CSE(DS)



## एक दोस्ती ऐसी भी...



प्रेम और प्यार के धागे से जुड़ी है दोस्ती,  
अटूट विश्वास के बांध पर टिकी है दोस्ती।

कभी संकटों में धकेल देने वाली होती है दोस्ती,  
तो कभी सुदामा को बचाने के लिए कृष्ण का रूप लेती  
है दोस्ती।

जब अपने पास ना हो,  
जब अपने पास ना हो तोह  
अपनों से ज्यादा दुलार देती है दोस्ती  
दुख में रोने के लिए कंधा देती है दोस्ती।

पर जिंदगी के मोड़ पर मुड़ना है हम सभी को  
अपनी जिंदगी की उड़ान भरने के लिए उड़ना है हम  
सभी को,  
फिर भी मुड़कर अपने हाल पे जो हँसे तोह वो है दोस्ती।

जरूरी नहीं की दोस्त सिर्फ इंसान ही हो,  
बगीचों के चमन में,  
ईश्वर की मूरत में दिख जाती है दोस्ती,  
प्रकृति में बसे पशु पक्षियों से की जा सकती है दोस्ती,

जरा नजरिये को तोह बदल ए मुसाफिर,  
जरा नजरिये को तोह बदल ए मुसाफिर,  
तेरे अंदर ही छुपी है तेरी खुद से / अपने आप से दोस्ती।

चिन्मय साटम  
TE - AI&DS

## कर्म का सिद्धांत



आंख ने पेड़ पर फल देखा... लालसा जगी।

आंख तो फल तोड़ नहीं सकती, इसलिए पैर गए पेड़ के  
पास फल तोड़ने। पैर तो फल तोड़ नहीं सकते, इसलिए  
हाथों ने फल तोड़ा और मुंह ने फल खाया। और वो फल  
पेट में चला गया।

अब देखिए-  
जिसने देखा, वह गया नहीं। जो गया, उसने तोड़ा नहीं।  
जिसने तोड़ा, उसने खाया नहीं। जिसने खाया, उसने  
रखा नहीं, क्योंकि वो फल पेट में गया।

अब जब माली ने देखा, तो डंडे पड़े पीठ पर, जबकि  
उसकी कोई गलती नहीं थी।  
लेकिन जब डंडे पड़े पीठ पर, तो आंसू आंख में आए...  
क्योंकि सबसे पहले फल आंख ने देखा था।

यही है कर्म का सिद्धांत।

राजा शाह  
TE - MECH





## इजाज़त घर की



मैंने खूब कहा था कभी ,रह लूंगी अकेली |  
अकेले रहकर जी लूंगी कभी,  
कभी सोचा ना था एतबार खुद पर कर बैठुगी,  
खुद से ना मंजूरी कर बैठुगी |

दूर रहकर जिंदगी जीना किसी आग के कोयलों पर  
चलने से कम नहीं  
परंतु हम शायद उस ठंडक को महसूस करना चाहते हैं  
जो चलने के बाद,  
पैरों को पानी में रखकर मिलती है |  
तपना चाहते हैं, जिंदगी की आग में झुलसना चाहते हैं |  
ताकि कोई हमें एक बार तो बोल दे बेटा जिंदगी से क्या  
खूब सीखा !!!

अब शायद कमज़ोर महसूस कर रही हूँ मैं,  
खुद को संभाल कर थक चुकी हूँ मैं,  
मां-बाप से दूर खुद की मां बन बैठी हूँ मैं |

गिनती के कपड़े लेकर जाती हूँ, अब खुद के घर की  
मेहमान जो बन बैठी हूँ।  
अब मुझे मेरे अपनों के पास जाने से ही दुनिया रोक बैठी  
है,

शायद जिंदगी ने कस के मेहनत लेने की ठान जो बैठी है।  
आती है याद घर की,  
कुछ पल बिताना सा लगता है |

दूर रहकर भी,  
खुद का आसरा होना पड़ता है|

नहीं रुकोगी ज्यादा,  
चली आऊँगी वापस|  
बस एक बार घर जाने की,  
दे दे तू इजाज़त |  
बस एक बार घर जाने की,  
दे दे तू इजाज़त |

**सयाली ठाकरे**  
BE - COMPS

## खून से सन्ना कपड़ा



एक ज़मीन के टुकड़े के खातिर,  
कुछ खून से सन्ना कपड़ा देखा है।

ये हिंदू, ये याहूदी, ये मुसलमान की लड़ाई के खातिर,  
आखिर में मरता हुआ इंसान का बच्चा देखा है।

**आयुष झा**  
BE - CSE(DS)



## इन्द्रधनुष है धनुष महान



जब धरा पे ज़ोर से बरसे  
रिमझिम-रिमझिम पानी,  
और गगन से तेज बरसाए  
परम तेजस्वी भान,  
बढ़ाए जो गगन की शान,  
इन्द्रधनुष वो धनुष महान ।

जीवन में उन श्रमिकों के,  
जो खेती करते धान,  
नव उत्साह से पूर्ण करे,  
काया में भर दे प्राण,  
है जो वो सतरंगी यान,  
इन्द्रधनुष है धनुष महान ।

जब जीवन में छाए हों  
निराशा के बादल,  
जीवन उमंग से भरने हेतु  
आशा का दे दान,  
चलो चलाएं आशा के बाण,  
इन्द्रधनुष है धनुष महान ।

**प्रणवकुमार मुरली**  
FE - CSE(DS)

## पल



कहने को हैं बातें कई,  
जो चाहकर भी कह न पाओगे ।

गुज़रते बीतते लम्हों के साथ,  
ख्याल ये भूल जाओगे ।

शायद इन बीतते लम्हों में,  
खुद को ढूँढ़ते रह जाओगे ।

आएंगे वो भी दिन,  
जब फिर से तुम मुस्कुराओगे...

**राजा शाह**  
TE - MECH

## क्यों भारत विश्वगुरु कहलाता?





भारत जो थी सोने की चिड़िया,  
क्यों भारत विश्वगुरु कहलाता?  
चलो खंगाले इस झांकी को,  
भारत है यह देश महान ।

संतों की धरती कहलाता,  
विश्व-मैत्री प्रदर्शित करता,  
विश्व को जो परिवार है मानता,  
भारत वो, जो विश्वगुरु कहलाता ।

जहाँ वीर-वीरांगना पूजे जाते,  
वीरों की धरती महान,  
वचन हेतु प्राण न्यौछावर,  
ऐसे हैं योद्धा महान ।

श्रेष्ठ राजाओं की भूमि जो,  
कृष्णदेवराय, चंद्रगुप्त की,  
ललितादित्य और युधिष्ठिर की,  
भरत, राजेन्द्र, पुलकेशी की ।

प्रताप, शिवाजी, चोलों की,  
हर्ष और बोर्फुकन,  
लक्ष्मीबाई और चेन्नम्मा की,  
यह कर्मभूमि महान ।

वस्त्र, आभूषण, आयुध जो,  
विश्व-विदेश में निर्यात था करता,  
विद्या का जो केंद्र कहलाता,  
उस भारत को प्रणाम ।

**प्रणवकुमार मुरली**  
FE - CSE(DS)

## एक तिरंगा अपने लिए भी लहराओ



कहां हो तुम?

हो यहीं या गुम कहीं;  
फ़र्ज़ है याद या इस भीड़ में भूल गए कहीं;

इतिहास देख रहा;  
शोर हमारी आज़ादी का यह अठहत्तर साल जो गूँज रहा;

तो आओ एक कदम अपने देश की ओर बढ़ाओ;  
स्वतंत्रता दिन के अवसर पर एक तिरंगा अपने लिए भी  
लहराओ;

आओ कुछ कदम अपने देश के लिए बढ़ाओ;  
स्वतंत्रता दिन के अवसर पर एक तिरंगा अपने लिए भी  
लहराओ।

**निहाल घरत**  
FE - AI&DS



## दोस्त



इस खुदगर्ज दुनिया में कुछ लोग ऐसे नसीब हुए,  
इस रिश्ते को हम दोस्ती और लोगो को दोस्त कहें।

अब इनके बारे में क्या कहे..

ये दोस्त से ज्यादा भाई बन गए।  
सिर्फ लड़के नहीं कुछ लड़कियां भी मिली,  
सिर्फ भाई नहीं कुछ बहनें भी बन गईं।

कुछ नादान, कुछ समझदार मिले, कुछ गुस्सेल, कुछ  
हसमुख यार मिले, कुछ की बातें है निराली, कुछ की  
आदतें मुश्किलों में फसाने वाली।  
कुछ प्यारी, कुछ दुलारी, कुछ ख्याल रखने वाली मिली।

इस जात धर्म की दुनिया में, कुछ लोग ऐसे नसीब हुए,  
कुछ बनायें, कुछ मुल्ले, कुछ शूद्र मेरे दोस्त बने।

**आयुष झा**  
BE - CSE(DS)

## कृष्ण कृष्ण कृष्ण कृष्ण..



कृष्ण कृष्ण कृष्ण कृष्ण..  
जपते रहा मेरा मन कृष्ण,  
जपते रहा मेरा तन कृष्ण।

कृष्ण कृष्ण कृष्ण कृष्ण..  
जग का पालनहार कृष्ण,  
सच का परवरदिगार कृष्ण।

कृष्ण कृष्ण कृष्ण कृष्ण..  
कमजोर का सहारा कृष्ण,  
माँ का दुलारा कृष्ण।

कृष्ण कृष्ण कृष्ण कृष्ण..  
दोस्तों का यार कृष्ण,  
राधा का प्यार कृष्ण।

कृष्ण कृष्ण कृष्ण कृष्ण..  
विष्णु अवतार दिखता कृष्ण,  
कन्हैया माटी खाता कृष्ण।

कृष्ण कृष्ण कृष्ण कृष्ण..  
जपते रहा मेरा मन कृष्ण,  
जपते रहा मेरा तन कृष्ण।

**आयुष झा**  
BE - CSE(DS)



## बचपन



कितने जल्दी बड़े हो गए हम..

वो बचपन ही अच्छा था

वो यादे तो यादों मई ही रहे गए

क्या करे जनाब वो यादे को याद करने कई लिए भी  
वक्त नहीं रहा

वो जो वादे किये थे बचपन में की साथ रहेंगे सब  
क्या हुआ उन वादे का वादियों मई खो गए सारे वादे .  
दोस्त भी तब काई अलग थे,  
ज्यदा नंबर पे चीड़ जाते थे वो पर मुंह पै गाली बकते  
थे ।

लड़ते थे हम लोग , कोई वजह नहीं होती थी |

बस यूँ ही लड़ लिया करते थे ।

अब की दोस्ती के बारे में, क्या बताऊँ, ये दोस्ती है  
हिसाबो की ।

मैं क्यों बड़ा हुआ यार

वो बचपन ही अच्छा था ।

प्रतियोगिता तो तब भी थी, अब भी है,  
पर उस समय हमें तनाव के लिए कोई जगह नहीं होती  
थी ।

मेरे यारों, वो बचपन ही अच्छा था,  
बस अपनी और अपनी जिंदगी थी ।  
अब तो क्या करें यारों, बड़े हो गए,  
जिंदगी की जिम्मेदारियां भी आ गईं ।

यारों, हम अपना बचपना दोबारा नहीं दोहरा सकते ।

बचपन में जब स्कूल में पैरेंट्स मीटिंग होती थी,  
तो दिन की सुबह से ही टेंशन आ जाती थी कि  
क्या होगा, क्या बोलेगी टीचर मेरे बारे में ।  
अब तो उस चीज़ से भी डर नहीं लगता, बस यूँ समझो  
यारों,  
कि वो मीटिंग से अब कोई फर्क नहीं पड़ता .  
बचपन की मीठी भरी यादें इतनी थीं,  
कि अब उन यादों के साथ ही जीना पड़ता है ।  
बचपन की वो नटखट मस्ती को भी लोग हँसकर बोल  
देते हैं,

"ठीक है, अब तो बच्चा है ।"

अब क्या करें, लोग तो बोलते हैं कि,

"तू बच्चा नहीं रहा, ये हरकत मत कर ।

खो गए वो सपने, जो हमने सोचा था,

कि जो सपना है वही करेंगे,

लेकिन जिंदगी की रेस ने ऐसा पीछे धकेल दिया,

कि वो सपना तो सपना ही रह गया ।

बचपन की शरारतें भी इतनी अच्छी होती थीं,  
कि मम्मी और पापा से जिद करके कुछ भी मांग लेते थे ।  
क्या करें यारों, अब तो उसके पीछे भी जिम्मेदारी का  
एहसास होता है ।

यह जिंदगी भी बड़ी कमाल की है,

हर इंसान को वो हर पल, हर सुख-दुख का एहसास  
दिलाती है ।

बचपन में सपने भी इतने मीठे होते थे,  
कि सपनों में वो मुस्कान चेहरे पर दिखती थी ।

अब तो सपने भी इतने कड़वे आते हैं,

कि जो नींद आती है, वो भी नहीं आती ।

अब तो सोते वक्त भी चेहरे पर मुस्कान नहीं होती,  
और उठने के बाद भी ।

बचपन ही अच्छा था, दोस्तों, क्या बताऊँ तुम्हें उन दिनों  
का ।



बचपन में सुबह नाश्ते बिना मम्मी बाहर नहीं निकलने देती थी,  
अब तो डायरेक्ट लंच होता है।  
अब तो वो जबरदस्ती करने के लिए भी कोई नहीं रहा,  
कि "बेटा सुबह नहाए बिना कहीं मत जाना।"  
दिन भर की टेंशन में कभी-कभी लंच भी मिस हो जाता है।  
बचपन में बस papers और homework की टेंशन होती थी,  
बाकी अपना खेल-कूद और मस्ती-ए-लाइफ।  
मैं खमाखा बड़ा हुआ यार,  
वो बचपन ही अच्छा था।

बचपन में सोचा था कि कब बड़े होंगे,  
कब बड़ो जैसी जिंदगी जीएंगे।  
अब तो ये सोचते हैं कि,  
बचपन में कैसे वापस जाये, जो की संभव ही नहीं है,  
पर उसके इंतजार में मैं अपनी जिंदगी का सफर मैं चल चुका हूँ,  
और मालूम है कि वो वक्त कभी वापस नहीं आने वाला,  
पर फिर भी हमारे अंदर इंसान बचपन को ढूँढ रहा है।

एक बहुत अच्छी कहानी है,  
"कहते हैं दुनिया गोल है, हम जहाँ से चलते हैं वहीं आकर मिलते हैं,  
यही तो जिंदगी का सबसे बड़ा पोल है, कहते हैं दुनिया गोल है।"

पर वो बचपन में क्यों नहीं लागू होता?  
कोई बताओ यारों ऐसा क्यों ?  
पता नहीं, एक जिंदगी में इंसान को एक ही बार बचपन का मजा मिलता है,  
क्या नहीं मिलता बचपन वापस, मेरे यारों, अगर दुनिया गोल है...

जिंदगी को जीने का तरीका भी यही सीखती है,  
और उम्र के साथ-साथ जिंदगी का हर चीज़ का एहसास भी दिलाती है।  
वो यादें तो बार-बार याद आती रहेंगी,  
अब तो उन यादों के साथ ही जीना सीख लिया है।  
अगर कोई मुझे उसका पता बता दे, तो मैं जरूर वापस जाना चाहूंगा।  
क्या करें यार, मैं क्यों बड़ा हुआ।

वो बचपन ही , अच्छा था।  
वो बचपन ही वो यादें तो बार-बार याद आती रहेंगी,  
अब तो उन यादों के साथ ही जीना सीख लिया है।  
अगर कोई मुझे उसका पता बता दे, तो मैं जरूर वापस जाना चाहूंगा।  
क्या करें यार, मैं बड़ा हुआ।  
वो बचपन हाय, अच्छा था।  
वो बचपन हाय, अच्छा था।, अच्छा था।

**आयुष पाटिल**  
FE - AI & DS

## कबका



तुम जिसे जानते थे, वो खो गया कबका;  
मेरे अंदर से मैं, वो मर गया कबका।  
ये खुदगर्ज दुनिया में, सबसे अच्छे बनते बनते;  
अपनी जिंदगी को बर्बाद, मैं कर गया कबका।

**आयुष झा**  
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## उठो द्रौपदी



उठो द्रौपदी (लड़की).. अब शस्त्र उठाओ,  
जाओ सर धर से अलग करो दुशासन (दानव) का...  
जो हाथ लगाए तुम्हारे दामन को,  
हाथ काटो उस पापी मानव का ।  
जाओ जाकर आँखें नोचो,  
जाके चीर डालो छाती उस पापी का ।

कब तक रोती रहोगी तुम?  
कब तक सहती रहोगी तुम?  
अब तुम्हें ही शस्त्र उठाना होगा,  
अब तुम्हें ही खुद को बचाना होगा ।  
मोमबत्ती की इस आग को तुम मशाल बनाओ,  
अपने नख-केश को तीर और ढाल बनाओ ।

यह युद्ध तुम्हें अकेले लड़ना होगा,  
इस युद्ध का सारथि तुम्हें खुद ही बनना होगा ।  
न मैं आउंगा कृष्ण (मित्र), ना कोई नारायणी सेना होगी,  
तुम्हें अकेले काली (योद्धा) बनके, यह युद्ध करनी होगी ।  
उठो अब जवाब दो, अपना स्वाभिमान बचाना होगा,  
ऐसे-ऐसे दानवों को, उनके परिणाम तक पहुँचाना होगा

ना भीष्म आएंगे, ना आएंगे कोई धनुर्धारी (पुलिस),  
मेरी बात मानो, कोई रक्षा नहीं करेगा पांचाली (पत्नी)...  
यह अंधे राजा (सरकार) के उम्मीद में मत बैठो,  
यह डरपोक प्रजा (समाज) के भरोसे तुम मत बैठो ।  
उठो द्रौपदी (माँ).. अब शस्त्र उठाओ,  
जाओ सर धर से अलग करो दुशासन (दानव) का...

## उठाओ आर्यपुत्र गांडीव तुम्हारे

उठाओ आर्यपुत्र गांडीव तुम्हारे,  
चलाओ बातों के बाण तुम ,  
जिस ने पांचाली के स्वाभिमान लूटी  
लेलो उसके प्राण तुम  
कहा गई पुरुषार्थ तुम्हारी?  
क्यों ना अभी तक ललकारे तुम ।

क्यों अब तक चुप बैठ गए?  
क्यों अब तक प्राण न हारे?  
क्या धर्मराज का मौन ही धर्म है?  
चाहे द्रौपदी कटे या मरे ।  
क्यों न गदा उठाई तुमने गदाधारी?  
क्यों रखे हाथ तुमने धरे के धरे?

पार्थ, तुम्हे वीरता बताना होगा  
अपना बृहन्नला रूप झुठलाना होगा  
नकुल, तुम्हे अपने तलवार को धार देना होगा  
यह युद्ध तुम्हे जितवाना होगा  
सहदेव तुमको तीर और धनुष चलाना होगा,  
उन पापियों की छाती को चलनी करना होगा ।

आर्यपुत्रों, तुम्हे अपनी स्वाभिमान बचाना होगा,  
इन दुष्ट पापी दरबारियों की, तुम्हे खाल उतारना होगा,  
उठाओ गदा, तीर और भाले, तुम्हे युद्धधर्म निभाना  
होगा,  
यह समाज के हर पुरुष, सत्य और धर्म बतलाना होगा  
तुम्हे अभिमन्यु को सही शिक्षा देना होगा,  
हर एक स्त्रियों की रक्षा करना होगा ।

**आयुष झा**  
BE - CSE(DS)



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मराठी  
विभाग





# EDITORIAL



"माझ्या मराठीची बोलूया कौतुके।  
परि अमृतातेही पैजासी जिंके।  
ऐसी अक्षरे रसिके। मेळवीन ॥"  
(संत ज्ञानेश्वर)

यंदा आपल्या मराठी भाषेला अभिजात भाषेचा मान प्राप्त झाला आणि खऱ्या अर्थाने ज्ञानेश्वरांच्या वरील ओवी सार्थक झाल्या .  
ऐसी अक्षरे रसिके। ह्या भाषेची श्रीमंती , केवढे सामर्थ्य ! . ही भाषा म्हणजे सगळ्यांना सामावून घेणाऱ्या गंगेसारखी निर्मळ तर न संपणाऱ्या, अक्षय्य ज्ञानाचा महासागर आहे, म्हणूनच ज्ञानदेवांना हि भाषा अमृतापेक्षाही गोड वाटते.

ही मराठी भाषा आमच्यासाठी देवी सरस्वतीच जी आमच्या मुखात वास करते आणि इथेच बहिणाबाई म्हणतात,  
"माझी माय सरोसती,  
माले शिकवीते बोली।  
लेक बहिणाच्या मनी  
किती गुपित पेरली ॥"

ही भाषा म्हणजे कोकणातल्या रवळनाथाचं गारूहाणं, तर घाटावरच्या ज्योतिबा खंडोबाचा बेलभंडारा आहे.  
घाटातल्या भवानीचा मळवट तर विठोबाची घोंगडी आहे, तर संतजन्मभूमी मराठवाड्यातल्या संतांची शिदोरी आहे ही मराठी. खान्देश,  
वऱ्हाड मधलं भाषेचं बिऱ्हाड तर विदर्भातल्या ऊसासारखी ग्वाड आहे मराठी.

अशी ही मराठी!

कालानुसार भाषेत अनेक बदल झाले, भाषेला अनेक फाटे फुटले. घाटी, कोकणी, वऱ्हाडी, खान्देशी, अहिराणी अशा कितीतरी उपभाषांची ठिगळं मराठी भाषेने स्वतःच्या नऊ रसांच्या, नऊ भावांच्या, नऊ शास्त्रांच्या नऊवारीला लावली. खरंतर साडीला ठिगळं असणे ही दारिद्र्याची लक्षणे, पण हे झालं माणसांच्या बाबतीत. भाषेला लागलेले हे उपभाषांचे ठिगळं हे ऐश्वर्यसंपन्नतेचे लक्षण आहे. आणि हा सगळा साज , लवाजमा, शास्त्र, अलंकार, परंपरा, उपभाषा इत्यादी सगळं लेऊन माय मराठी रखुमाईसारखी लेकरांसाठी उभी आहे.

वाट पाहे उभा। भेटीची आवडी।

कृपाळू तातडी। उतावीळ॥

ह्या भाषेला तिच्या सुपुतांनी जपलं आणि पुढच्या पिढीला सोपवलं .आता आपली वेळ! भाषेबद्दल जाण ठेवण्याची, जपण्याची. आणि ह्याच भावनेने आम्ही आपल्या महाविद्यालयात लिटराती समितीच्या रुपाने कार्यरत आहोत आणि मी त्याचा एक भाग आहे ह्याचे सार्थक वाटते .समिती मराठीबरोबरच इतरभाषेसाठीही कार्यरत असते . कारण आमच्या मातृभाषेने आम्हाला इतर भाषांचा आदर करायला शिकवलं आहे, कारण ती सुद्धा कुणाचीतरी मातृभाषा आहे. म्हणून मराठीबरोबरच समिती इतर भाषेसाठी विविध उपक्रम राबवते .

भाषेच्या चरणी फुल नाही निदान फुलाची पाकळी वाहण्याचा हा निव्वळ प्रामाणिक प्रयत्न! आणि हे प्रयत्न सतत सुरु राहतील; भाषेला जपण्यासाठी आणि पुढील पिढीस देण्यासाठी.

राम कृष्ण हरी , जय महाराष्ट्र, जयोस्तु मराठी विजयेते.॥

**सौरभ पाटील**  
**Marathi Editor**  
**TE- CSE(DS)**



## नको हा हिंसाचार आता



जगणे कठीण वाटतंय या जगात आता,  
उरली नाही जागा माणसांच्या हृदयात आता,  
नका करू माणुसकीचे चिरहरण आता,  
नको हा हिंसाचार आता.

कुणीच दिसत नाही अहिंसेच्या मार्गात आता,  
जग पलटलय रण मैदानात आता,  
घरती झाली आहे रक्तबंबाळ आता,  
नको हा हिंसाचार आता.

नका खेळू रक्ताची होळी आता,  
की समुद्रातही दिसतायत रक्तांच्या लाटा,  
संपवा ही जाती धर्माची लढाई आता,  
नको हा हिंसाचार आता.

तू कोण? मी कोण?, नका विचारू हे प्रश्न आता,  
पुसून टाका ही कलंक रुपी शाई आता,  
की, यावं लागेल देवाला घेऊनी अवतार या जगात आता  
नको हा हिंसाचार आता, नको हा हिंसाचार आता.

खंजन जोशी  
BE - COMPS

## ती आणी पाऊस



आज छत्री असतानासुद्धा उजवे अंग भिजले होते,  
डाव्या खांद्यावर माझ्या एक आभाळ निजले होते.

वाऱ्याची झुळूक येते ती केसात माळून घेते,  
पावसाच्या मनात आज भलतेच शिजले होते.  
(डाव्या खांद्यावर माझ्या एक आभाळ निजले होते)

काळ्या ढगांचे करुनी अंजन डोळ्यात माखले तिने,  
पाणावलेले काजळ डोळे माझ्या काळजात शिरले होते.  
(डाव्या खांद्यावर माझ्या एक आभाळ निजले होते)

हातात हात आलेले अचानक सैल होऊ लागले,  
जाण्याची वेळ झाली म्हणत तेही थरथरले होते.  
(डाव्या खांद्यावर माझ्या एक आभाळ निजले होते)

आणि असाच छळतो पाऊस नेहमीच ओढ लावूनी,  
पावसाचे येणे जाणे पुन्हा जिव्हारी लागले होते.  
(डाव्या खांद्यावर माझ्या एक आभाळ निजले होते)

सौरभ पाटील  
TE - CSE(DS)



## पुरुष जात



संसाराचा भार तोलते  
बाई होऊनी रुक्मिणी.  
पुरुषाच्या जातीतला  
विठ्ठल पाहिला का कुणी?

नुसते चार दोन नोहे  
दशभुज होतो चक्रपाणी.  
संकटात घरामागे उभा  
तोच विठ्ठल होऊनी.

दहा हाती दहा काम  
जरी लक्षुमी कमजोर.  
शून्यातून उभा करीतो  
बाप्या घराचा संसार.

घरदार नी गणगोत  
असं धरुन ठेवतो.  
घास भरवितो जना  
स्वतः उपाशी मरतो.

तरी किती आले पदरी  
नको असलेले उणेपण.  
रुसवा तिलाच शोभतो  
त्याच्या अश्रूवरही ऋण.

सौरभ पाटील  
TE - CSE(DS)

## चूक होती का माझी?



चूक होती का माझी?  
जेव्हा बोलते खरं मी प्रत्येक वेळी.  
चूक होती का माझी?  
जेव्हा मीच इच्छा मारते स्वतःची.

चूक होती का माझी?  
जेव्हा शांत रहाते मी.  
चूक होती का माझी?  
जेव्हा सर्वांचं ऐकून घेते मी.

चूक होती का माझी?  
जेव्हा इतरांचा विचार करते.  
चूक होती का माझी?  
जेव्हा दुसऱ्यांच्या इच्छेप्रमाणे वागते.

चूक होती का माझी?  
जेव्हा खोटी स्तुती मी करत नाही.  
चूक होती का माझी?  
जेव्हा गोड बोलून मी फसवत नाही.

चूक होती का माझी?  
जेव्हा स्वतःच्या विचारात हरवते मी.  
चूक होती का माझी?  
जेव्हा जास्त कोणाशी मी बोलत नाही.



खरंच का नेहमी माझीच चूक असते?  
की माझ्याच मनाला मी चुकीचं ठरवते?  
मानापमानाच्या विळख्यात मी,  
का स्वतःला अडकवून घेते?

नियुक्ती पाटील  
TE - INFT

## कवितेचा जन्म



कागदही शहारु लागतो,  
आणि शाईची सुईण होते.  
किती आर्तता बघ उरामंदी  
जवा कवीची बाळंत होते.

तिच वेदना, तिच आर्तता  
दुःखाची सय तेवढी शिवते  
कवाटूळ घेतो वही कवीही  
जर आठवण मनाले छळते

म्हणून म्हणतो कधीतरी बोल  
निव्वळ वाहवाह करण्याशिवाय  
नको राहूदे! नाही कळणार तुला  
कुणाची कविता झाल्याशिवाय

सौरभ पाटील  
TE - CSE(DS)

## त्यानी कपाशी



रामपाहिरामा मारुती मंदिर ना घंटा झोप म्हैन उठाडी  
रहिंता,  
तेरोज दसरा ना दिन व्हता.  
मांघालं दार दखं तर कंबरलॉंग नदीले पानी येल व्हतं,  
पण चिड्या हाकाले वावर मा जावानं व्हतं.

त्यानं कपाशीनं वावर हिरवंगार डोली रहाईतं,  
धव्या कापूस फुलेस्मिन फुटी रहाईतं.  
बारा महिना झाये व्हती निसर्ग राजानी साथ,  
वाटण त्याले जाई खुशाली मा या वरीस दिवाईनी थाट.

घर उना तिसरा सांजले वावरमिन गावात निंदिसं  
त्या दीन लेटना तो पिठल भाकर खाईसन.  
पडताच गया तो गाव ले, येल व्हता थकी भागिसन  
दखी रहाईता सपन वावर न डोया ले डोया लाईसन

अचानक पडण त्यांना आंग वरे धाबानं पानी,  
जगाडी व्हाइंती त्याले झोपमीन बाई त्यानी.  
गर्जी व्हाइंता देव, पानी बरसाडीसन  
लोके म्हणेत, पडणा नई पानी असा कडकडाडीसन

वाही व्हाइंती नदी माय खांदा ना वर जाईसन,  
सकाय ले गयात दोन्ही नवरा बायको नदीम्हैन बैलेस्ले  
पकडीसन.



दखं तर व्हतं पानी पुऱ्या वावर मा भरिसन,  
गई जायेल व्हती कपाशी इतली मेहनत करिसन.

रडी ऱ्हाइंती माय त्यानी, उन तिनं हूंडुक भरिसन,  
रडी ऱ्हाइंती माय पोरेऱ्नी, पोरेऱ्ना लहान लहान तोंडे  
दखीसन.

शांत करी ऱ्हाइंती त्यानी बाई, त्याना डोया पुशिसन,  
गई त्या वरीसनी बी दिवाई दोया मा पानी लिसन.

**कुणाल पाटील**  
SE - INFT

आहे नेटकी जशीच्या तशी  
अगदी माइया नशिबासारखी  
फुटक्या नशिबाची किंव आली  
आज रात्रीशिवाय भर दिवसाच  
सोडून गेल्यानंतर पहिल्यांदाच

**सौरभ पाटील**  
TE - CSE(DS)

## सोडून गेल्यानंतर

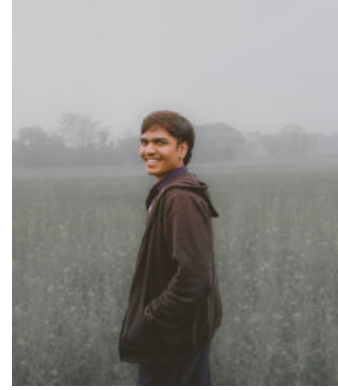


आज दिसली ती बऱ्याच दिवसांत  
सोडून गेल्यानंतर पहिल्यांदाच!

होती तशीच आहे आजही  
तोच श्रृंगार, तोच साजही  
कदाचीत चुकला असावा  
श्रृंगार बघण्याचा अंदाज  
सोडून गेल्यानंतर पहिल्यांदाच

शांत डोळे अशांत नजर  
कपाळावर बटही हजर  
भुवयां मधल्या टिकलीवर  
नजर पडली बघ उगाच  
सोडून गेल्यानंतर पहिल्यांदाच

## शिक्षणशक्ती



शिकण्याची क्षमता ही एक भेट आहे,  
शिकण्याची क्षमता हे कौशल्य आहे,  
आणि शिकण्याची इच्छा ही तुमची निवड आहे.

**राजा शाह**  
TE - MECH



## एनएसएस कॅंप असाही



मार्च २०२४, आपल्या महाविद्यालयाच्या, एनएसएस समिती कडून माकूणसार गावात सात दिवसीय एक शिबीर गेला होता. ह्या शिबिरात बरेच उपक्रम राबविण्यात आले आणि ह्याच दरम्यान आम्ही गावातील अंगणवाडी आणि केळवे जवळील एका वृद्धाश्रमाला भेट दिली होती. आणि तिथे आलेला अनुभव आणि भावलेला प्रसंग इथे थोडक्यात मांडतो. मुळात मी वारकरी संप्रदायातून येतो आणि आम्ही वारकरी एकमेकांना माऊली म्हणतो, (शब्दशः अर्थ आई), प्रत्येकामध्ये आई पाहता यावी म्हणून आणि प्रत्येकाची आई होता

यावी म्हणून! अगदी असाच काहीसा अनुभव होता, जेव्हा अंगणवाडीतील आणि वृद्धाश्रमातील सगळ्यांना भेटलो. कुणाला माऊली म्हंटलं तर कुणाची माऊली झालो.

"लेक परदेशी राहतो माझा, तुमच्या सारखी पोरं येतात कधीकधी भेटायला, तिच माझी लेकरं " म्हणत गहिवरून आलेल्या यमुनेला पापणीआड रोखत, सुरकुत्या पडलेल्या चेहऱ्यानं सुंदर हसत, "पोरहो, मोठे व्हा, आकाशी उडा पण मूळापाशी परत या" म्हणत आयुष्याच सार सांगणाऱ्या त्या म्हाताऱ्या माईच्या डोळ्यात मी माझं म्हातारपण बघत होतो.

तर कुणीच ओळखीच नसताना सुद्धा, कुठलीही चिंता न करता, आमच्या अंगाखांद्यावर खेळणाऱ्या, बिलगडणाऱ्या, मध्येच रुसणाऱ्या, अगदी सहजरीत्या आमच्या मिसळून गेलेल्या लेकरांत मात्र माझं बालपण.

दोन्ही अवस्था फार वेगळ्या आहेत तरी, जाता जाता त्या माऊलीने माझ्या हातात दोन तीन फळ ठेवली तेव्हा, "पुढच्या बारीला आलास तर भेटून जा, बरं वाटतं" असं म्हणणारे तिचे डोळे मी आपसूक वाचले होते.

मग अगदी तसंच दरवाज्यावर उभं राहून टाटा करणाऱ्या लेकरांच्या डोळ्यातही तेच होत की, "दादा, पुन्हा ये!"

एवढं साम्य? कसं? मी तर दोघांसाठीही नवीन होतो, अनोळखी होतो, तरी ह्यांना कसं जमलं असेल हे असं आपलंस करायला? आपल्याला आजवर असं सामावून का घेता आलं नाही?

आपला भूतकाळ आपला आपल्याजवळच ठेवत प्रत्येकावर माया करता येणाऱ्या म्हातारपणात आणि काल, आज, उद्या कसलीही माहिती नसताना, सध्याच्या क्षणाचा आनंद घेत, येणाऱ्या प्रत्येकाला आपल्यात सामावून घेणाऱ्या बालपणात; उद्याची चिंता करत आपल्यापुरतं मर्यादित वृत्तीच झालेलं आपलं तारुण्य नेमकं वरदान आहे की श्राप आहे, मुरलीधरा!?

4

# REPORT SECTION





## DEPARTEMENT OF MECHANICAL ENGINEERING



It gives me an immense pleasure and honor to present the annual report of Department of Mechanical Engineering for the academic year 2023-24.

Details of activity conducted staff and students' achievements are listed below.

### Lab Upgradation:

1. Upgradation of SOLID WORK 23 software
2. Equipment's for Material testing lab and hydraulics machinery lab.
3. Industry sponsored "Machinery diagnostics laboratory"

### MOU:

12 MOUs were signed in 2023-24 with Industries for a period of 3 years.

### Faculty Achievements:

1. Mr. Swapnil Mane published Patent on "Dual absorber solar water heater with built-in heat exchanger" dated 30th March 2024.
2. Mr. Sanjay Lohar published Patent on "Smart Saline Assistance System" dated 24th June 2024.
3. Mr. Vishwas Palve delivered Technical Seminar on Energy Management for Sustainable Living at Thakur College of Engineering and Technology on 21st July 2023.

### Industrial Consultancy:

1. Dr. Ashish Chaudhari, Mr. Vinay Patel did consultancy for Playground Equipment's for New Mumbai Municipal Corporation by M/s. Fun Play Systems, Kaman.
2. Mr. Swapnil Mane did Energy Audit at Mahindra Sanyo Steel (AMNS) and Taj Mahal Palace Hotel, Mumbai and Technical Consult for PHC Vajreshwari.

### Paper Publications/Conference attended:

- Dr. Uday Aswalekar, "Performance analysis of photovoltaic panel using machine learning method," Indonesian Journal of Electrical
- Dr. Ashish Chaudhari, Mr. Vinay Patel, "Novel Variable Compression Ratio Mechanism Assisted Diesel Engine Performance with Renewable Fuels," ICRAFMN, Bangalore, 12-14 July 23.
- Mr. Vinay Patel, Dr. Ashish Chaudhari, "Numerical and Experimental Performance Analysis of Vertical Axis Harmony Wind Turbine," ICRAFMN-2023, Bangalore 12-14 July 2023.
- Dr. Ashish Chaudhari, "Efficient thermal management of a high performance 800W Dell data server submerged in the immersion cooling tank – A case study," AEMTA, SLIET, Longwal: 15-16 March 2024.
- Mr. Vinay Patel, Dr. Ashish Chaudhari, "Novel Variable Compression Ratio Mechanism Assisted Diesel Engine Performance with Renewable Fuels", ICRAFMN-2023 organized by Manipal Institute of Technology Bengaluru during 12-14 July 2023.
- Mr. Vinay Patel, Dr. Ashish Chaudhari, "Numerical and Experimental Performance Analysis of Vertical Axis Harmony Wind Turbine", at ICRAFMN-2023 organized by Manipal Institute of Technology Bengaluru in association with National Institute of Technology, Uttarakhand during 12-14 July 2023.
- Mr. Vinay Patel, "Thermal Characterisation of a Phase Change Interface under Directional Exponential Heating," Proceedings of the 27th National and 5th International ISHMT-ASTFE Heat and Mass Transfer Conference December





14-17, 2023, IIT Patna, Patna 801106, Bihar, India IHMTC2023

- Mr. Dipak Choudhari presented paper on “Design and Development of automatic cotton plucking robotic arm” at ICTIA- 2024 organized by St. Vincent Pallotti College of Engineering and Technology, Nagpur on 24th & 25th April 2024. NIT Warangal from 11th march to 20th March 2024.
- Mr. Dipak Choudhari presented paper on Title “Comparative Analysis of PID and Thermostatic control for Peltier module” in 10th International Conference on Indian Knowledge System, Science and Spirituality For Advancing Technology held on 15th and 16th March 2024 at Tulsiram Gaikwad-Patil College of Engineering and Technology, Nagpur.
- Mr. Swapnil Mane “Manufacturing of the Prominent automobile parts using composite materials” at Sant Longowal Institute of Engineering & Technology (SLIET), Longowal, 15th and 16th March 24
- Mr. Swapnil Mane presented paper on “Revolutioning Waste Disposal: The Development and Implementation of Self Sealing, Changing Garbage bag Dustbins” at ICTIA- 2024 organized by St. Vincent Pallotti College of Engineering and Technology, Nagpur on 24th & 25th April 2024.
- Ms. Priti Vairagi “Segregation of plastic bottles using artificial intelligence” at Pimpri Chinchwad college of Engineering Pune, 18th & 19th August 2023.
- Ms. Priti Vairagi “Early Warning of Landslide of Steep Farming Using Wireless Sensor Network” at FTCME2024, Sinhgad College of Engineering (SCOE), Pune, 4th-5th April 2024,
- Mr. Kamlesh Bachkar, “Design and optimization of pencil assembly machine”, AEMTA-2024.
- Mr. Rishabh Melwanki published book Chapter on “CFD Analysis of Cactus and Inverted

Trapezoidal Shape Fin Profile for Four-Stroke IC Engine” in Recent Advancements in Mechanical Engineering Springer. DOI: 10.1007/978-981-97-0900-7

- Mr. Gaurav Bhawde Presented paper on Title “Design, Manufacturing and Optimization of Brake system in FSEA(EV) Vehicle” ICTTSEM held on 15th & 16th April 2024 at Suryodaya college of Engineering and Technology, Nagpur.

FDP’s and STTP/Training attended:

- Dr. Ashish Chaudhari, Mr. Vinay Patel attended One-week STTP on “Robotics and AI for Autonomous Robot (ROBOAI2024) organized by Sardar Patel National Institute of Technology Surat, 26th Feb to 1st March 2024.
- Mr. Vinay Patel, Mr. Rishabh Melwanki, Mr. Gaurav Bhawde, Ms. Avantika Prabhu attended One Week FDP on “Additive Manufacturing Technology” organized by Mechanical Engineering Department from Sandip University, Nashik, and School of Engineering & Technology from 4th March to 9th march 2024.
- Mr. Dipak Choudhari and Mr. Vishwas Palve attended Two days National Level Workshop on Efficient Technologies for Waste Heat Recovery sponsored by SERB, DST GOI at Sandip Institute of Technology and Research centre, Nashik on 8th & 9th January 2024.
- Mr. Dipak Choudhari, Mr. Vishwas Palve, Mr. Sanjay Lohar, Mr. Swapnil Mane successfully completed One Week FDP on “Innovative and Creative Approaches for Teaching and Research” held during 16th Jan to 20th Jan 2024 organized by COE Akola.
- Mr. Dipak Choudhari and Mr. Vishwas Palve successfully completed One Week FDP on “Recent Advancements & Development in Renewable Energy Technologies” held during 8th Jan to 13th Jan 2024 organized by Sinhgad College of Engineering, Pune.



- Mr. Swapnil Mane completed “Recent Advancement & Development in Renewable Energy Technologies,” Sinhgad College from 8th Jan to 13th Jan 2024.
- Mr. Kamlesh Bachkar, Ms. Priti Vairagi successfully completed One Week FDP Programme on “Exhilarating socio-human life using deep learning” at VCET 3rd July to 14th July 2023.
- Ms. Priti Vairagi completed One Week FDP on “Innovations in Simulation Techniques for Robotics and Mechanical Systems” Dr. D. Y. Patil Institute of Technology, Pimpri, Pune, from 22nd Jan to 27th Jan 2024.
- Mr. Rishabh Melwanki, Ms. Avantika Prabhu completed “NEP 2020 Orientation & Sensitization Programme” under Malaviya Mission Teacher Training Programme of University Grants Commission Organized by Malaviya Mission Teacher Training Centre, NIT Warangal from 11th March to 20th March 2024.

#### NITTT:

- Mr. Vishwas Palve Mr. Mukund Kavekar Ms. Priti Vairagi Mr. Rishabh Melwanki Ms. Avantika Prabhu completed various modules of NITTT.

#### NPTEL/Coursera Courses:

- Dr. Uday Aswalekar, Dr. Ashish Choudhary, Mr. Vinay Patel, Ms. Priti Vairagi, Mr. Mukund Kavekar, Mr. Kamlesh Bachkar completed “Accreditation and Outcome Based Learning”.
- Dr. Ashish Chaudhari, Mr. Dipak Choudhari, Mr. Vishwas Palve, Mr. Akshay Save, Mrs. Anagha Singh completed “NBA Accreditation and Teaching- Learning in Engineering (NATE)”.
- Dr. Ashish Chaudhari, Mr. Vishwas Palve, Mr. Mukund Kavekar, Mrs. Mrunal Kshirsagar completed Outcome Based Pedagogic Principles for Effective Teaching.

- Mr. Vishwas Palve completed “Research Methodology”.
- Mr. Mukund Kavekar, Mr. Kamlesh Bachkar completed “Machinery Fault Diagnosis and Signal Processing Introduction to Industry 4.0 and Industrial Internet of Things”.
- Mr. Sanjay Lohar completed Machinery Fault Diagnosis and Signal Processing, Effective Writing Research Methodology in Natural Sciences.

#### Expert Lectures organized:

- Expert session on Logistics and Supply chain Management on 16th Oct 2023.
- Expert session on Team Cohesive and Effective Leadership on 20th March 2024.
- Industrial Case studies on Condition Monitoring and Machinery Diagnostic on 12th Dec 2023.
- Expert session on Building CAD Modeling skills to be employment ready on 19th Oct 2023.
- Expert session on 3D Printing and Slicing on 30th Oct 2023.
- Expert session on Introduction to HVAC system for Commercial Office Spaces on 28th March 2024.
- Expert session on Standardization of products and activities of BIS under Standards Club activity.

#### Industrial Visit:

- Industrial visit to Sai Service Automotive, Vasai west on 10th Oct 2023.
- Industrial visit to M/s Alfa Pumps and Systems Pvt. Ltd., Bhiwandi on 10th July 2023.
- Sunrise Process Equipment, Boisar 10th Nov 2023.
- Industrial visit to Katraj Dairy, Pune on 10th April 2024.
- Industrial visit to Vasai Virar Municipal Transport Bus Depot, Vasai East on 12th Sept 2023.



- Industrial visit to M/s Vardhaman Industries, Vasai East on 8th April 2024.
- Industrial visit to Adani Dahanu Thermal Power Station, Dahanu on 2nd April 2024.
- Industrial visit to Durian Industries Ltd, Palghar on 28th March 2024.
- Industrial visit to KLT Pvt ltd, Palghar on 28th March 2023.
- Industrial visit to Shrinath Industries, Vasai East on 21st April 2024.

#### Student's Achievements:

Result for Academic Year 2023-2024:

#### SE Toppers

Rank	Name	Pointer
1	Chandaliya Harsh Dinesh	9.57
2	Salvi Vedant Santosh	9.39
3	Sakpal Rohit Rama	8.3

#### TE Toppers

Rank	Name	Pointer
1	Ved Mahesh Bhatkar	9.57
2	Yuta Prashant Churi	9.17
3	Neha Prakash Patil	9.13

#### BE Toppers

Rank	Name	Pointer
1	Mourya Umesh Rakesh Mishra Vinayak Suryanath	8.78
2	Mhatre Preet Jitendra	8.71
3	Patil Sahil Pritam	8.70

#### Campus Placements:

For this year total 43 Students placed in various industries like SHM Group Kumar Metals Industries Pvt Ltd GAIL India Arihant Industrial Corporation Limited Savita Oil Technologies Limited TCS etc.

Also 67 students have successfully completed internship in 14 companies.

#### Students Other Achievements:

- Manasi Mhaskar qualified in GATE 2024 with AIR 8283.
- Prashant Dubey project was selected in "Maharashtra student's Innovation Challenge 2024" at district level.
- 50 Students of Second year Mechanical engineering have successfully completed INFOSYS springboard course on "Catia 5".
- Paresh Patil successfully completed NPTEL course on Automation in Manufacturing during Jul-Oct 2023.
- Atharva Vaidya successfully completed with NPTEL course on Project Management during Jan-April 2024.
- Suyog Naik successfully completed NPTEL course on Project Management during Jan-April 2024.
- Abhigya Hazra successfully completed NPTEL course on Characterization of Polymers, Elastomers and Composites during Jan-April 2024.
- Om Tandel, student of second year Mechanical Engineering won gold medal in Mumbai University Intercollegiate Powerlifting Tournament on 18th Dec 2023.
- Krish Vaity, Suraj Yadav, Atharva Vaidya, Shivam Singh of BE Mechanical won third prize in project competition MECHXPLORE-2024 in VIVA college, Virar on 5th April 2024.

**Dr. Uday V. Aswalekar**  
**HOD, (Mech. Engg.)**



## DEPARTEMENT OF COMPUTER ENGINEERING



It gives me immense pleasure and honor to present the annual report of the Department of Computer Engineering for the academic year 2023-24. The various activities and achievements of the Computer Engineering Department are summarized below:

### Faculty Achievements:

- Ms. Priti Rumao delivered an expert lecture on “Computer Animation” at Viva Institute of Technology on 05/10/2023.
- Dr. Dinesh Patil and Mr. Sunil Katkar signed a MoU signed with Rigel Infotech, Mumbai on 24/07/023.
- Dr. Dinesh Patil has been nominated as a member of BoS at St. John College of Engineering & Management, Palghar.
- Dr. Swapna Borde signed an MOU Digital Dojo OPC Private Limited, Kandivali on 11/03/2024.
- Mr. Vikrant Agaskar signed a MoU with Techustaad Pro Learning in June 2023 for the period of 2 years.
- Mrs. Soniya Khatu mentored team Hyper-reality Pirates for Smart India Hackathon (SIH) - 2023 students at Jaipur Nodal Centre from 19/12/2023 to 20/12/2023.
- Mrs. Soniya Khatu and Ms. Priti Rumao signed a MoU with Kantascrypt Pvt. Ltd., Vasai on 28/11/2023.
- Ms. Swati Varma completed an outhouse project titled “CRM” with OTET systems, from 11 03/2023- 20/08/2023 along with a team of students: Ms. Aditi Sawant, Ms. Akhila Anilkumar, Ms. Riya Khot, Ms. Divya Patil and Ms. Polomi Adak.

- Ms. Priyanka Bolinjar was reviewer for International Conference on Humanities, Science and Technical Education (ICHSTE) 2024 at Thakur College of Engineering and Technology, Kandivali.

### Paper Publications/Conference attended:

- Dr. Anil Hingmire, Mr. Aman Sheikh, Mr. Saurabh Shukla, Mr. Rahul Shah, published a Research Paper titled, “Intelligent Crime Scene Recognition: Advancing Public Safety through Deep Learning Architectures and Event Sequence Analysis,” in SSRG International Journal of Electrical and Electronics Engineering.
- Mrs. Sneha Mhatre, Ms. Khushi Shah and Ms. Neha Rasal published a paper titled “Demand Forecasting in Retail for Diabetes Medicine,” in IEEE, International Conference on Data Science and Network Security (ICDSNS-2023), Tiptur, India.
- Dr. Megha Trivedi, Rishabh Tripathi, Hrushikesh Shetty, Kshitij Patil, Pratham Ingawale have published a paper titled “Intelligent Waste Material Classification Using EfficientNet- B3 Convolutional Neural Network for Enhanced Waste Management” in IEEE Conference ICSSAS 2023 at M. P. Nachimuthu M. Jaganathan Engineering College, Erode, Tamil Nadu, India.
- Ms. Swati Varma has published a paper titled “SM-DBERT: A Novel Symptom-based Technique for Chronic Disease Classification using DISTILBERT” International Journal on Recent and Innovation Trends in Computing and Communication.
- Ms. Aarti Puthran, Ms. Sonal Naik, have published a paper titled “Metro Cities House Price Prediction Using ML” in IEEE



Conference ICSSAS 2023 at M. P. Nachimuthu M. Jaganathan Engineering College, Erode, Tamil Nadu, India.

- Mrs. Aarti Puthran, Deepali Patil, Aabha Patil, Nilesh Marathe, Surekha Janrao, Hezal Lopes, have published a paper titled “Exploring Innovations for Streamlining Orphan adoption: Harnessing Blockchain and Decentralized Solutions -A survey and comprehensive Framework” in 8th International Conference on Information and Communication Technology for Competitive Strategies by Springer organized by Global Knowledge Research Foundation & G R Scholastic LLP.
- Mrs. Amruta Mhatre has published a paper titled ‘Deep learning Based Automatic vehicle license plate recognition system for enhanced vehicle identification’ in an International Journal on Recent innovation Trends in Computing and Communication.
- Ms. Brinal Colaco has published a paper titled ‘AI for creating an Autonomous and Self-Configuring Blockchain’ in the International Conference on Advanced Technology (ICAT 2024), Springer.

#### Books published:

- Mrs. Smita Jawale has been an author of a book on Software Engineering (for Information Technology /Semester V) by Nirali Publication.
- Ms. Priti Rumao has been an author of a book on Quantum Computing (for CSE, AIML, AIDS, DE) by Tech-Neo Publication.

#### Copyrights:

- Mrs. Sneha Mhatre, Mr. Mrudul Chaudhari, Mr. Aditya Lawate, Ms. Sayali Gupta, and Ms. Trupti Hedalkar have registered a computer software copyright titled “gitmeup App (Git-GitHub Automation Tool)” Registration number- SW-17143/2023 with the Indian Copyright Office.
- Mrs. Sneha Mhatre, Mr. Farhan Raiba, Ms.

Prerna Gawali, Mr. Varun Babu, Mr. Khanjan Joshi have registered a computer software copyright titled “Personality Detection using Machine Learning” Registration number- SW-17267/2023 with the Indian Copyright Office.

- Mrs. Sneha Mhatre, Mr. Divyen Gharat, Mr. Siddhesh Jalgaonkar, Mr. Raj Sutar, Mr. Shreyas Shinde have registered a computer software copyright titled “Motion Analyser Surveillance System” Registration number- SW-17451/2023 with the Indian Copyright Office.
- Dr. Megha Trivedi, Mr. Sahil Kulabkar, Mr. Soham Patil and Mr. Vrusharth Nirmal have registered a computer software copyright titled ‘WAREHOUSE MANAGEMENT SYSTEM,’ Registration Number SW-17407/2023 with the Indian Copyright Office.
- Mr. Sunil N. Katkar, Mr. Vrusharth Prashant Nirmal, Mr. Soham Ramchandra Patil, Mr. Sharvesh Vedprakash Singh and Mr. Sahil Hareesh Kulabkar have registered a computer software copyright titled ‘volo Mart - Vocal for Local,’ Diary Number: 3088/2024-CO/SW with the Indian Copyright Office, New Delhi-110078.
- Ms. Swati Varma, Mr. Subin Santhosh, Ms. Shriya Chitre, Ms. Reetu Awasthi have registered a computer software copyright titled ‘Software Privacy Protection System,’ Registration Number SW-18638/2024 with the Indian Copyright Office.
- Dr. Swapna Borde, Divya Desai, Shruti Jangam, Naba Sarwar, Sajan Thakare have registered a computer software copyright titled “Netra Jyoti-An Object and Currency Detection Android App for Visually Impaired,” Registration Number SW-18581/2024 with the Indian Copyright office.
- Mrs. Neha Surti, Vipul Naresh Bhoir, Mrudul Parag Chaudhari, Abhinav Bhimrao Desai have registered a computer software copyright titled ‘Pandemic-Resilient ATM: Enabling Contactless and Card less Transactions using Computer Vision’, Registration number-



SW-18713/2024 with the Indian Copyright Office.

- Ms. Vikrant Agaskar, Rishabh Tripathi, Hrushikesh Shetty, Kshiti Patil, Prathamesh Ingawale have registered a computer software copyright titled “Code Scanner” Registration number- SW-18505/2024 with the Indian Copyright Office.

#### Patents:

Ms. Amruta Mhatre has registered a Patent titled Approach for Object Tracking Using Neural Networks in a Real Time Environment which was published on 08/12/2023.

#### Activities/Webinar/Workshop/Events conducted:

Sr. No.	Event	Resource Person
1	Workshop on Blockchain and NFT	Mr. Vekatesh Giridhar and Mr. Tushit Verma, 3.0 University, Andheri
2	ReactJs: The Front-End Technology	Mr. Ahmed Shaikh, Founder, Rigel Infotech, Mumbai
3	eYantra Robotics Workshop	Saail Narvekar, Adeesh Desai Bhargav, HS Srivenkateshwar Iyer, Bhavik Jain, Ruchi Sharma, Shashwat Patel, Archit Jain, Ajinkya Giri, Abhishek Joshi Project Staff-IIT Bombay
4	Session on Copyright Filing	Dr. Tatwadarshi P.N., HOD, AIDS, VCET, Vasai
5	Expert Lecture on Text classification Techniques in the Honors subject Text, Web and Social Media Analytics	Mr. Ahmed Shiekh, Founder, Rigel Infotech, Mumbai

6	Seminar on Exploring the Future of AWS and Similar Services	Mr. Ketan Chavan, Technical Business Analyst at Macquarie, London, UK
7	Expert Lecture on Intel Performance Hybrid Architecture in the subject Microprocessor	Dr. Vinayak Shinde, Associate Professor at SLRTCE, Mira Road.

SDP/Internship etc. organized by the Department:

- SDP on Java Programming Fundamentals was conducted by Dr. Vikrant Agaskar, Ms. Priyanka Bolinjar, Ms. Brinal Colaco from 01/01/2024 to 05/01/2024
- Workshop on “MERN Stack” was conducted by Mr. Yadnesh Zagade, CEO, Techcryptors
- SDP on Python Programming Fundamentals was conducted by Ms. Sneha Mhatre and Ms. Brinal Colaco from 09/01/2024 to 05/04/2024 under PAT activity.

#### Industrial Visit:

- Dr. Megha Trivedi, Mrs. Smita Jawale, Mrs. Swati Varma, Mr. Sanket Patil, Mrs. Sneha Mhatre, Mrs. Neha Surti, Mrs. Aarti Puthran, Ms. Brinal Colaco, Ms. Priyanka Bolinjar visited SoftwareAG Pvt. Ltd, Virar along with 54 Students (in 2 batches) on 20/03/2024.
- Mr. Vikrant Agaskar visited Techustaad Pro Learning, along with 12 students on 08/04/2024.
- Dr. Dinesh Patil, Mrs. Akshaya Prabhu, Dr. Amruta Mhatre, Mrs. Soniya Khatu visited EDDBA, Virar along with 90 Students (in 2 batches) on 01/04/2024.
- Dr. Swapna Borde and Mr. Chintamani Chavan have organized an Industrial Visit on 08/04/ 2024 with 16 students to Digital Dojo Private Limited, Kandivali
- Dr. Anil Hingmire and Mr. Sunil Katkar organized an Industrial visit with students to JanuTech, Vasai, on 23/02/2024 with 10 students.



## Alumni Interaction:

Sr. No.	Event	Resource Person
1	Seminar on Insights into Industry and Higher Education	Ms. Prarthana Majalikar, System Engineer at Infosys, Mumbai
2	Seminar on Higher Studies, Internship, and Placement Strategies for Computer Engineering Students	Mr. Subin Santhosh, Assistant System Engineer at TCS, Mumbai
3	Webinar on Object Recognition Based on Deep Learning Algorithms using Embedded IOT with Interactive Interface	Mr. Mankrit Singh, Programmer Analyst at Quantum Phinance, Mumbai Mr. Chinmay Sonawane, Executive Developer at BDO, Mumbai Mr. Chandan Patil, Software Engineer at LTI mindtree, Mumbai
4	Seminar on Placement and Higher Studies	Mr. Meet Thakkar, Senior Software Developer at LTI mindtree, Mumbai
5	Seminar on Cloud Computing and Data Engineering	Mr. Sanket Suhagiya, Senior Data Engineer at LTI mindtree, Mumbai
6	Seminar on Interview Preparation	Mr. Rithwik Vedpathak, Jr. Software Engineer at Interactive Brokers, Mumbai

## CSI Activities:

Branch Counselor - Mrs. Swati Verma

Sr. No.	Event	Resource Person
1	Abacus	Mr. Vishal Rupani, Spret, Mumbai Mr. Lawate, Avantika Enterprises, Vasai
2	Seminar on "Unlocking the power of AWS"	Mr. Ahmed Shaikh, Rigel Infotect, Mumbai
3	Seminar on "The world of JavaScript Frameworks"	Mr. Yagnesh Devashrayee, Senior Software Engineer Volkswagen IT Services India Pvt. Ltd., Mumbai
4	Oscillations 2024	Dr. Suvarna Pansambal, HOD, Computer Engg, Atharva College of Engineering, Mumbai Dr. Neeta Patil, HOD, AIML, Universal College of Engineering, Vasai Dr. Kavita Sonawane, HOD, SFIT, Borivali Dr. Vandana Patil, SFIT, Borivali
5	Vidyavardhini's National Project Showcase 2024	Mr. Ahmed Shaikh, Rigel Infotect, Mumbai Mr. Ankit Patil, Founder and CEO Techq Konnect Technologies Pvt. Ltd., Mumbai Mr. Arun Gupta, Tech Lead, Enkash, Mumbai Mr. Hrithik Gavankar, Associate Application Engineer, Raw Engineering, Virar



## Bit- Byte-Go - CodeChef Student chapter:

Faculty Advisor: Ms. Brinal Colaco

Sr. No.	Event	Resource Person
1	Seminar on Smart India Hackathon	Ms. Priti Rumao, Assistant Professor, Department of Computer Engineering, VCET, Vasai
2	Quiz Competition	Ms. Brinal Colaco, Faculty Advisor, Bit-Byte-Go
3	Seminar of GitHub	Mr. Aditya Lawate, Vice Chairperson, Bit-Byte-Go

## Microsoft Learn Student's Club:

Faculty Advisor: Ms. Priti Rumao

Sr. No.	Event Name	Resource Person
1.	MLSC Orientation	Rishabh Tripathi, MLSA, Vidyavardhini's College of Engineering & Technology, Vasai
2.	Fundamentally Azure Cloud Skill Challenge	Rishabh Tripathi, MLSA, Vidyavardhini's College of Engineering & Technology, Vasai
3.	React JS Workshop	Aditya Trivedi, Founder, Coding Adda, Mumbai
4.	Career Guidance Seminar by Mission Career	Mr. Gautam Umashankar, Manager, Mission Career, Mumbai
5.	Seminar on AI's Evolutionary Tale by Scogo Networks	Mr. Karan Singh, CTO & Co-Founder, Scogo Networks, Mumbai
6.	Kantascrypt SQL Workshop	Mr. Samtani Edwin, CEO & Founder, Kantascrypt Pvt. Ltd., Vasai

7.	Coherence 1.0	Mentors:Mr. Mohit Belokar, Design Consultant, Fractal.ai, Mumbai Mr. Parth Doshi, CloudOps Product Designer, Quantiphi Analytics, Mumbai Mr. Raj Dedania, Senior Product Designer, BrowerStack, Mumbai Judges:Mr. Nikhil Dhami - Manager Bristlecone, Mumbai Mr. Naman Agarwal - SDE1, Scogo Networks, Mumbai Mr. Mohammad Mukhtar Mohsin - SDE1, Scogo Networks, Mumbai Mr. Subhadeep Santra - SDE1, Scogo Networks, Mumbai
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## WebX MetaClub Student Club:

Faculty Advisor: Mrs. Sneha Mhatre

Seminar on 'Workshop on Blockchain and NFT' taken by Mr. Vekatesh Giridhar and Mr. Tushit Verma from 3.0 University on 13rd September, 2023.

## Android Development Club (ADC):

Faculty Advisor: Mrs. Sneha Mhatre

- Seminar on 'Android Development' was organized by Students Committee members for SE and TE students on 12/10/2023.
- Seminar on "Flutter Fever:Introduction To Flutter" was conducted by Mr. Yash Adulkar, Founder of BrewnBeer for SE Students on 21/03/2024.

## EYantra Robotics Club (Yantrika):

Faculty Advisor: Dr. Megha Trivedi





Sr. No.	Event	Resource Person
1	e-Yantra Robotics Workshop in association with IIT Bombay	1. Saail Narvekar 2. Adeesh Desai 3. Bhargav HS 4. Bhavik Jain 5. Ruchi Sharma 6. Shashwat Patel 7. Archit Jain 8. Ajinkya Giri 9. Abhishek Joshi Project Staff- IIT Bombay
2	Orientation of Robotics Club	Mr. Pritish Mair, Captain- Robotics Club, VCET Mr. Vaibhav Kharat, Vice-Captain- Robotics Club, VCET Dr. Megha Trivedi, Faculty Advisor- Robotics Club, VCET Mr. Jatin Vira (Mentor), Robotics Engineer, MIKO,
3	Orientation of Robotics Club	Mr. Pritish Mair, Captain Dr. Megha Trivedi, Faculty Advisor- Robotics Club, VCET

BYTE newsletter:

Faculty Advisor: Mr. Vikrant A. Agaskar

Two editions of Byte- Technical Newsletter of the Computer Engineering Department showcasing the articles on the latest technological advancements contributed by students were published.

e-Magazine:

Faculty Advisor: Mr. Vikrant Agaskar

The technical e-Magazine of the Computer Engineering Department was released as a digital flipbook.

BYTE Wall Magazine:

Faculty Advisor: Mr. Vikrant Agaskar

Two editions of BYTE Wall Magazine, the Wall Magazines of the Computer Engineering

Department were published. The articles were related to the latest technologies and their implementations. Wall also displayed a brief layout of departmental activities and placements.

Student's Achievements:

BE Sem VII Result: 94.59 %

Toppers:

Rank	Name of Students	Grade
1	Anish Patil	9.32%
1	Aditi Sawant	9.32%
2	Parth Gharat	9.23%
3	Akhila Anilkumar	9.18%

TE Sem V Result: 96.5 %

Toppers:

Rank	Name of Students	Grade
1	Nishant Bhandigare	9.65%
2	Bramheti patil	9.52%
3	Kunal Chaudhari	9.26%
3	Vaishnavi Gaikwad	9.26%
3	Siddhesh Thakarkar	9.26%

SE Sem III Result: 66.96 %

Toppers:

Rank	Name of Students	Grade
1	Gaurav Patil	9.57%
2	Vivek Bargude	9.48%
2	Shruti Borhade	9.48%
3	Megh Patil	9.43%

Campus Placements:

Company Name	Number of Students Placed
Godrej Infotech	01
Schneider Electric	01
Neebal Technologies	07



Bristlecone	05
Zeus Learning	02
Media.net	01
Feedspot	09
Nvision	01
Deloitte	02
IBM	03
CleverTap	01
QSpider	01
Saffire Tech	02
TCS	10
Chrisel Technolab	01
Bhauasaheb Vartak Polytechnic	01
Raw Engineering	01
Aadrila Technologies	01
Tech Mahindra	01
Scogo Networks	01
Honeybee Digital	01

73 students did internships in 26 companies.

Other Achievements:

Inter-Collegiate Events (Outside VCET):

Sr. No.	Participant	Event	Class	Position	Organized by
1	Kiran Rokde	Kabbadi	TE	Second	Samajik Nyay va Vishesh Vibhaag Kala, Krida va Sanskutik Mahitsav, Ratnagiri

2	Kiran Rokde	Carrom	TE	First	Samajik Nyay va Vishesh Vibhaag Kala, Krida va Sanskutik Mahitsav, Ratnagiri
3	Yash Jadhav	Rope Skipping (Open Category)	TE	First	Shree Chhatrapati Shivaji Maharaj Paramparik Krida Mahakumbh, Mumbai
4	Yash Jadhav	Rope Skipping (Age group up above 17)	TE	First	Shree Chhatrapati Shivaji Maharaj Paramparik Krida Mahakumbh, Mumbai
5	Karan Sankhe Sharveh Singh Soham Patil Kunal Chaudhari	Hackathon-Tech-a-thon	TE	Second	Tech-a-thon by Technobeat at Mulund College of Commerce, Mulund
6	Rishabh Tripathi Kshitij Patil Pratham Ingawae Hrushikesh Shetty	Hackathon-Hackanova 3.0	BE	Winner	Hackanova 3.0 at Thakur College of Engineering & Technology, Kandivali



7	Akash Nadar	Chess	SE	First Prize	SPRIT: Sardar Patel College of Engineering, Andheri
8	Amey Chaudhari	Chess	TE	Second Prize	
9	Saiesh Sutar	AeroGCS Professional	FE - C	Third Winner	AeroGCS Global Competition held at Sandip University Campus hosted by PDRL, Nasik
10	Karan Sankhe Sharveh Singh Soham Patil	Jana Kalyan Hackathon	z	Finalist	IEEE Bombay section Sight Committee, TCET, Kandivali
11	Tanvi Patil	Carrrom	FE	Second	Valia College, Andheri
12	Tanvi Patil	Carrrom	FE	First	Jogeshwari Education Society's College of Commerce, Science & IT, Jogeshwari
13	Nikhil Solanke	Luminous SIEP E Bike Challenge 2024	FE	Best Business Plan and Cost Report	IES University, Bhopal

14	Jay Kore Jainam Jain Prathamesh Pandey Kashyap Jethwa	District level Competition of State Innovation Challenge	SE -2	Winner	Maharashtra State Innovation Society, Department of Skills, Employment, Entrepreneurship and Innovation and Government of Maharashtra, Palghar
15	Paarth Baradia Amey Chaudhari Sahil Kulabkar Aditya Bhandare	Hackathon-LogiTHON'2024	TE	Second	Datta Meghe College of Engineering, Navi Mumbai
16	Suyash Vedant Kshitij Patil Pratham Ingawale Onkar Suryavanshi	Reel Making Competition	TE	Winner	Mira-Bhayandar-Vasai-Virar Police, Bhayander
17	Karan Sankhe	Sharkathon	TE	Consolation Prize	Rajiv Gandhi Institute of Technology, Andheri
18	Shreya Chaudhari		SE		
19	Yash Khot Meet Shah Isha Raut	Tech Quiz	SE	Second	St. John college of Engineering and Management, Palghar



20	Aryan Patil	Ace of Hacks-Hackathon	TE	Second	A C Patil College of Engineering, Karghar
21	Sahil Kulabkar	Project Competition	TE	Winner	Saraswati College of Engineering, Kharghar
22	Siddhesh Mane	Avishkar-2024 (Software Category)	SE		
23	Shreya Chaudhary Yash Khot Kartik Rathod Pulkit Ashara Shailesh Agarwal Mayur Bhamre	Smart India Hackathon 2023	SE-3	Finalist	Poornima Institute of Technology, Jaipur
24	Sachin Yadav Rohit Walke Anand Gupta	Avishkar Research Convention 2023	BE	Finalist	Vivekanand Education Society's Institute of Technology, Chembur
25	Sahil Pawar Sanket Bhostekar	Avishkar Research Convention 2023	BE	Finalist	Vivekanand Education Society's Institute of Technology, Chembur
26	Rohit Redekar Samarth Pandey Mohit Raje	Avishkar Research Convention 2023	BE	Zonal	Vivekanand Education Society's Institute of Technology, Chembur

27	Amruta Poojary Vaishnavi Deshmukh Pooja Naskar	Avishkar Research Convention 2023	BE	Zonal	Vivekanand Education Society's Institute of Technology, Chembur
28	Vedant Vasaikar Advait Alinkil Shivraj Bholapur Leander Fernandes	Avishkar Research Convention 2023	TE	Zonal	Vivekanand Education Society's Institute of Technology, Chembur
29	Bramheti Patil Swara Gharat Shrushti Gawande	Avishkar Research Convention 2023	TE	Zonal	Vivekanand Education Society's Institute of Technology, Chembur
30	Dharmesh Marathe Prenna Kanekar Taher Barwani Shubham Nakashe	Avishkar Research Convention 2023	BE	Zonal	Vivekanand Education Society's Institute of Technology, Chembur
31	Mitali Rawat Om Acharekar Radha Vishwakarma	Avishkar Research Convention 2023	BE	Zonal	Vivekanand Education Society's Institute of Technology, Chembur



32	Akhila Anilkumar Riya Khot Polomi Adak	Avishkar Research Convention 2023	BE	Zonal	Vivekanand Education Society's Institute of Technology, Chembur
33	Aditi Sawant Divya Patil Dimple Khuman	Avishkar Research Convention 2023	BE	Zonal	Vivekanand Education Society's Institute of Technology, Chembur
34 35 36	Palak Churi	Team Championship Mallakhamb	FE	Gold Medal	Khelo India Youth Games, Trichy, Tamilnadu
		Overall Individual Championship: Mallakhamb		Silver Medal	
		Individual Pole Mallakhamb Championship		Bronze Medal	
37	Palak Churi	Team Championship: Mallakhamb	FE	Gold Medal	Khelo India University Games, Guwahati
38	Siddhesh Jondhale	MegaHack 4.0	TE	Winner	St. John College of Engineering and Management, Palghar

39	Sahil Kulabkar	Business Plan Presentation	TE	Winner	St. John College of Engineering and Management, Palghar
40	Vrusharth Nirmal		TE		
41	Kunal Chaudhari	Vega 2024-24-hour hackathon	TE	2nd Prize	Shah & Anchor Kutchhi Engineering College, Chembur
42	Karan Sankhe		TE		
43	Sharvesh Singh		TE		
44	Soham Patil		TE		
45	Kunal Chaudhari	ACE Hacks 1.0: 24-hour hackathon	TE	2nd Runnr-up	Google Developer Club, Atharva College of Engineering, Malad
46	Karan Sankhe		TE		
47	Sharvesh Singh		TE		
48	Soham Patil		TE		
49	Yash Khot	Tech Quiz	SE	2nd Prize	St. John College of Engineering and Management, Palghar
50	Meet Shah		SE		
51	Isha Raut		SE		
52	Jay Kore	Robo Maze	SE	3rd Prize	St. John College of Engineering and Management, Palghar
53	Jainam Jain		SE		
54	Naba Sarwar	Internship	TE	Star Performer	AICTE Oasis Infobyte, Delhi



55	Rishabh Tripathi	Microsoft Learn Student Ambassador 2024	BE	BETA Position	Microsoft Corp, USA
56	Jay Kore	Team Kata	SE	Third Position	NSKF India National Karate-Do Championship 2024, Palghar
57	Karan Sankhe	Internship	TE	Exceptional Performance	CLUMOSS, Gujrat
58	Rishabh Tripathi	Microsoft Learn Student Ambassador 2023	BE	BETA Position	Microsoft Corp, USA

3	Kshitij Patil Rishabh Tripathi Pratham Ingawale Hrushikesh Shetty		BE		Intelligent Waste Material Classification Using EfficientNet-B3 Convolutional Neural Network for Enhanced Waste Management	Winner: Oscillation'24- Technical Paper Writing
4	Archa Jadhav Suyash Shelar Vedant Chaskar		BE		A Unified Healthcare Interface Framework using token system	Winner: Oscillation'24- Technical Paper Writing
5	Taher Barwaniwala Dharmesh Marathe Shubham Nakashe		BE		AI Based Autopilot for Drones	Winner: Oscillation'24- Technical Paper Writing
6	Ajay Shitkar Yash Davare Prathmesh Malvi		BE		Malicious Websites Identification using Machine Learning Approach	Winner: Oscillation'24- Technical Paper Writing
7	Dhruti Patil Disha Raghani Kanishk Patkar Yash Patil		SE		Food court automation system	Runner-up: Oscillation'24- Technical Paper Writing
8	Yash Chauhan Harshada Harkulkar Gargi Betawadkar Advait Dongre		SE		School ERP System	Winner: Oscillation'24- Technical Paper Writing

### Oscillations -Paper Presentation:

Sr. No.	Name	Class	Title	Position
1	Paarth Baradia Pratima Bombe Vaishnvi Gaikwad	TE	ConnectiView: A Multi-Platform IoT Application for Unified Device Management and Visualization	Runner-up: Oscillation'24- Technical Paper Writing
2	Mrudul Chaudhari Vipul Bhoir Aditya Lawate	TE	Pandemic-Resilient ATM: Enabling Contactless and Cardless Transactions using Computer Vision.	Winner: Oscillation'24- Technical Paper Writing



9	Bhupeksha Patil Kshitij Shetty Nikita Mundaye	BE	Global Speak: Multilingual Video Conferencing App	Runner-up: Oscillation'24- Technical Paper Writing
10	Naba Sarwar Srushti Kamble Prachi Parab Khushi Sinha	TE	Sakhi - Empowering Women Entrepreneurs to Thrive	Runner-up: Oscillation'24- Technical Paper Writing

6	PrathamIngawale Onkar Suryavanshi Purna Kanekar Kshitij Patil	BE	TrackTrust	Runner-up: VNPS'24
7	Paarth Baradia Pratima Bombe Vaishnavi Gaikwad Amey Chaudhari	TE	Meditation and Yoga App	Winner: VNPS'24

### Vidyavardhini's National Level Project Showcase:

Sr. No.	Name	Class	Title	Remark
1	Vatsal Makadiya Ashish Mane Rohit Mali Smit Mhatre	SE	Connectify: A social media application	Runner-up: VNPS'24
2	Vishal Mane Ashirwad Kathawate	SE	Project Pal	Runner-up: VNPS'24
3	Anshuman Jena Jainam Jain Saivamshi Jilla Shivani KK	SE	Autonomous War-Torn Area Navigation System	Winner: VNPS'24
4	Ayush Bujare Gaurav Singh Sahil Kabir Shenal Bavkar	BE	Navigation The Stock Market Maze	Winner: VNPS'24
5	Taher Barwaniwala Dharmesh Marathe Shubham Nakashe	BE	AI Based autopilot for Drones	Runner-up: VNPS'24

**Dr. Megha Trivedi**  
HOD, (Computer Engg.)





## DEPARTEMENT OF ELECTRONICS AND TELECOMMUNICATION ENGINEERING



It gives me immense pleasure and honour to present the annual report of the Department of Electronics and Telecommunication Engineering for the academic year 2023-24. The Department of Electronics and Telecommunication Engineering has been

accredited by the NBA for three years. The department is always striving to contribute the best for students. The various activities and achievements of the Electronics and Telecommunication Engineering Department are as summarized below:

### Faculty Achievements:

- Dr. Sunayana Jadhav as an inventor published a patent titled “Smart Saline Assistance System” with applicants Mr. Sanjay Lohar, Mr. Harsh Dodiya, Mr. Amey More, and Mr. Yash Barot on 8th September 2023.
- Ms. Trupti Shah as an inventor published a patent titled “Smart Attendance System” with applicants Dr. Sunayana Jadhav, Ms. Shaista Khanam, Mr. Mayank Patil, Mr. Omkar Joshi, Mr. Chandan Thakur and Mr. Manthan Patil on 9th February 2024.
- Dr. Vikas Gupta was invited as a guest of honour at the Oscillation event at ACE Techfest.
- Dr. Vikas Gupta was invited as session chair and panellist EMPERA 23rd at BITS Pilani Campus, Hyderabad, in Multicon, ICCCDs’24 at TCET Mumbai as well as at ICDLAI-2024 organized by Bikaner Technical University in association with Springer.
- Dr. Vikas Gupta was also invited as a subject Expert for UGC interviews held at TCET Kandivali Mumbai.

- Dr. Amrita Ruperee and Dr. Sunayana Jadhav were invited as Session Chair National Conference on Role of Engineers in Nation Building (NCRENB)-2024, at Viva Engineering College, Virar.
- Dr. Amrita Ruperee is a Reviewer for the International Journal of Communication Systems, Wiley Publication, and a Reviewer for the Hindawi portfolio of journals.
- Dr. Amrita Ruperee was invited as a Judge for the Jana Kalyan Hackathon, TCET, Mumbai.
- Dr. Sunayana Jadhav was invited as a Judge for the AVISHKAR 2023 competition for Science Fest, St. John Campus, Palghar.

### Publications:

- Dr. Vikas Gupta presented a paper at the 66th Annual IETE Convention (AIC) Conference, Pune, and ICDLAI-2024 conference organized by Bikaner Technical University in association with Springer.
- Ms. Ashwini Katkar has published a paper “Assessing Molecular Throughput and Efficiency through Simulation in Diffusion-Based Molecular Communication” at the Indian Journal of Science and Technology; Volume: 17, Issue: 6, (2024).
- Ms. Shraddha Gosavi, Ms. Sandhya Supalkar and Ms. Ekta Naik have published a paper “Intelligent Assistance for Smart Shopping” at the International Journal of Engineering and Management Research; Volume-13, Issue-4 (August 2023).
- Ms. Trupti Shah has published a paper with the title “AutoProc - AI Based Automated Exam Proctoring System with Test Score Analysis” at the EAI International Conference on Computational Intelligence and Generative AI organized on 24th and 25th March, 2024 at Guntur, India.





- Ms. Neha N. Gharat published a book chapter “Hybrid Lightweight Cryptography using AES and ECC for IoT Security” in book named “Soft Computing for Security Applications” with the publisher Springer in January 2024.
- Ms. Ashwini Katkar published a book chapter “Investigating the Impact of Distance on the Reception in Molecular Communication” in the book named “Intelligent Computing and Networking” with the publisher Springer in August 2023.

#### Advance Courses:

- Dr. Amrita Ruperee, Dr. Sunayana Jadhav, Ms. Shaista Khanam, Ms. Shraddha Gosavi, Ms. Sandhya Supalkar, Ms. Ashwini Katkar, Ms. Neha Gharat, Ms. Ekta Naik, and Ms. Trupti Shah have successfully completed NPTEL-AICTE approved 12 weeks FDP on “Accreditation and Outcome Based Learning”.
- Dr. Amrita Ruperee, Dr. Sunayana Jadhav, Ms. Shaista Khanam, Ms. Shraddha Gosavi, Ms. Sandhya Supalkar, Ms. Ashwini Katkar, Ms. Neha Gharat, Ms. Ekta Naik, and Ms. Trupti Shah have successfully completed ISTE approved one-week STTP on “Innovative and Creative Approaches for Teaching and Research.”
- Dr. Vikas Gupta has attended NEP 2020 Sensitization two days workshop organised by University of Mumbai.
- Dr. Sunayana Jadhav, Ms. Shaista Khanam, Ms. Shraddha Gosavi, Ms. Sandhya Supalkar, Ms. Neha Gharat, Ms. Ekta Naik and Ms. Trupti Shah have successfully completed ISTE approved two-week STTP on “Exhilarating socio-human life using Deep Learning.”
- Ms. Shaista Khanam and Ms. Sandhya Supalkar have successfully completed AICTE sponsored ATAL FDP on “Semiconductor Digital System Design and Verification.”
- Ms. Neha Gharat has successfully completed AICTE sponsored ATAL FDP on “Information

Security Management: A Practical Approach.”

- Ms. Shraddha Gosavi & Ms. Trupti Shah have successfully completed ISTE-STTP/FDP on “Cultivating the Future of Healthcare with Generative AI.”

#### Events conducted:

1. Department has successfully conducted the Short-Term Training Program (STTP/SDP) on "Industry 4.0: Paradigm Shift in Technology" from 26th June 2023 to 1st July 2023.
2. Dr. Sunayana Jadhav and Mrs. Sandhya Supalkar conducted a two-week SDP on “Digital System Design & Verification” in association with IITB from 2nd January 2024 to 12th January 2024.
3. In association with Texas Instruments Innovation Lab, department has conducted SDP on “MSP430 Connecting Students to Microcontroller Excellence” from 18th July to 19th July 2023, Robotic Workshop 2023 on 19th Oct 2023, Internship on Microcontroller Programming and Applications from 12th Dec to 22nd Dec 2023 and outreach activity for A.D. Jadhav Kanya Vidyalaya on 19th October 2023.

#### Alumni Interaction:

1. Mr. Lavesh Salaskar, Zeus Learning, and Mr. Kushal Raut, LTI. Conducted a seminar on ‘Career Guidance-Guide to Effective Placement Strategies’ on September 14th, 2023.
2. Mr. Umang Waghela, Software Engineer at Hughes, USA Networks Systems conducted a webinar on “Navigating Career Opportunities in Telecomm Networks” on 28th March 2024.
3. VCET IETE SF has organized webinar on “VLSI Design” by Ms. Tanvi Patil, IP Logic Design Engineer at Intel on 19th October 2023.
4. VCET IETE SF has organized Seminar on Opportunities in Core Engineering delivered by Mr. Vikram Ganesh Gothal (Sr. Wireline Field Engineer Halliburton) on 11th September 2023.



IEEE, IETE, and ETA Committee:

1. VCET IETE SF has organized Two Week Training Program in association with IITB on “PT-51 Microprocessor Lab” conducted by Ms. Shaista Khanam, Ms. Trupti Shah and Ms. Ekta Naik from 3rd July 2023 to 14th July 2023.
2. VCET IETE SF has organized a seminar on “Beyond Reality: Immersive Tech” conducted by Mr. Abdul Basit Saboowala (CEO of Holo Shiksha) from 3rd August 2023.
3. VCET IEEE SB and IETE SF have organized ANVESHAN- A product Showcase, on 23rd September 2023.
4. VCET IEEE SB has organized “FE QUIZ” on 27th September 2023.
5. VCET IEEE SB has organized workshop on “LYX” conducted by Dr. Ashish Vanmali from 29th September to 30th September 2023.
6. VCET IEEE SB has organized webinar on “Career Opportunities in VLSI” by Mr. Nitin Ingole (Associate Director Samsung Semiconductor) on 4th October 2023.
7. VCET IETE SF has organized an Industrial visit to Aczet Pvt. Ltd, Vasai on Feb 15th, 2024
8. VCET IETE SF has organized webinar on “System on Chip Design” by Mr. P. R. Sivakumar (CEO Maven Silicon) on 20th February 2024.
9. VCET IETE SF has organized “Electroforge”- The Robotics Workshop by Ms. Shaista Khanam, Ms. Trupti Shah, and Ms. Ekta Naik from 15th March 2024 to 17th March 2024.
10. VCET IEEE SB and VCET IETE SF have organized Oscillations'23 - Technical Paper Presentation on 5th April 2024 and VNPS'23- VCET National level Project Showcase on 6th April 2024.
11. ETA published Newsletter published on 5th April and annual technical magazine “Pulse 24” on 6th April 2024.

Student’s Achievements:

Result for Academic Year 2023-2024:

Sem	Rank	Name	Pointer
III	1	Taru Sonal	9.29
	2	Chavan Pranav	8.71
	3	Pal Aditya	8.71
V	1	Shimpi Harsh	8.96
	2	More Sakshi	8.83
	3	Mote Rashmi	8.3
VII	1	Kobnak Shraddha	9.1
	2	Parmar Hetsi	9.1
	3	Tandel Dhanashree	8.95

Campus Placements:

Total 35 students got placement offers in various companies like TCS, OTIS Global, Vodafone Idea, Parle Global Technologies, Capgemini, Infytrix, Bristlecone, Frootle Technologies, Prama hikvision, Nippon Instruments, Davision Electronics etc. 5 students are got admission in reputed university in India and abroad. Placements are still ongoing on. 38 students did internships in 09 companies.

Students Other Achievements:

- Mr. Mayank Patil, Mr. Omkar Joshi, Mr. Chandan Thakur, and Mr. Manthan Patil Published a Patent for “Smart Attendance System.”
- Mr. Mayank Patil, Mr. Omkar Joshi, Mr. Chandan Thakur, and Mr. Manthan Patil won second Prize in Hardware category at Datta Meghe College of Engineering, won Consolation Prize in the 48 hours Hardware Hackathon 2024 category for Innovative “Saline Infusion Technology.”
- Mr. Mayank Patil, Mr. Omkar Joshi, Mr. Chandan Thakur, and Mr. Manthan Patil won the 2nd prize in the VNPS’24 National Level Project Showcase at VCET, won 2nd Prize in track 2 in Oscillations 2024 Technical Paper Presentation, selected for Zonal Round of Avishkar’24 as well as international level project Symposium held by PICT, Pune.



- Shrushti Rane, Ronak Patel Won Third Prize (District Level) in Maharashtra Student Innovation Challenge 2023 organized by Maharashtra State Innovation Society (MSInS), Department of Skills, Employment, Entrepreneurship & Innovation, Government of Maharashtra.
- Ms. Rashmi Mote, Mr. Omkar Naik, Ms. Devisha Shetty and Mr. Atharva More won Third Prize in the 48 hours Hardware Hackathon 2024 category for 'Water Surface Cleaning Bot' at TSCET and won the 1st Prize in in VNPS'24 National level Project Showcase at VCET, Vasai.
- Ayan Qureshi, Tejas Palkade won 2nd prize in Oscillations 2024 Technical Paper Presentation Event at VCET, Vasai.
- Pranjal Bhanushali, Parag Gurav, Krish More, and Harshvardhan Dasari won 1st prize in the VNPS'24 National level Project Showcase at VCET, Vasai.
- Richakumari Patel, Vishal Tiwari, Om Edwankar Won 1st prize in Oscillations 2024 Technical Paper Presentation Event.
- Ashish Rathod, Disha Pote, Arya Vartak, Atharv Jadhav and Mihir Gosavi are selected in Top 10 in Start Up Quest 2023 organised by Raw Engineering Foundation.
- Mihir Hakani, Shraddha Kobnak, Sankalp Chavan won 1st Prize in track 2 in the Oscillation 2024 Technical Paper Presentation Event.
- Manohar Kaloni, Sankalp Chaudhari Aarti Prasad won the 1st Prize in in VNPS'24 National level Project Showcase at VCET, Vasai.
- Mihir Gosavi, Vinay Gawai and Hemant Jena won 1st Prize in the Oscillation 2024 Technical Paper Presentation Event.
- Omkar Joshi and Ankit Pandey won the first prize in departmental Tug of war Sanidhya Raut won the 1st Prize in Badminton Singles at L.R. Tiwari College of Engineering.
- Varun Parab, Bhargavi Atre, Rashmi Mote, Vikas Soman, Devisha Shetty and Aryan Kore won the 1st prize in Mixed Doubles Badminton in AVHAN'24.
- Varun Parab (TE) won the 1st prize in boys single Badminton in AVAHAN'24.
- Varun Parab and Arayan Kore (TE) won the 1st prize prize in boys doubles Badminton in AVAHAN'24.
- Bhargavi Atre (SE) won the 1st prize in girls' single badminton in AVAHAN'24. Bhargavi Atre (SE) and Disha Pote (SE) won the 1st prize in girls doubles Badminton. in AVAHAN'24.
- Varun Parab and Devisha Shetty (TE) won the 1st prize in Mixed doubles Badminton in AVAHAN'24.
- Manthan Patil, Vijay Patil, Rohit Arnalkar, Sumant Ganiga, Omkar Joshi, Rohan Vishwakarma, Pawan Singh, and AnkitPandey (BE) has secured runner-up position in class wise Tug of war in AVAHAN'24.
- Omkar Shelke (TE) won the first prize in Boys Single Carrom in AVAHAN'24.
- Sahil Gorivale (TE) won the Runner-up position in "Choose Your Anime" at Litfest'24 conducted by Literati Club.
- Prapti Gowari, Krutiksha Lonkar, Sakshi Padalkar and Tejaswini Tambe, secured the first prize in group dance at Zeal 2024.
- Dhanashree Tandel (BE) won Second prize in Antakshari in Zeal 2024.

**Dr. Amrita Ruperee**  
**HOD, (EXTC Engg.)**



## DEPARTEMENT OF AI&DS



It gives me an immense pleasure and honour to present the annual report of the Department of AI&DS for the academic year 2023-24. The Department is always striving to contribute the best for students. The various activities and achievements of AI&DS Department are

as summarized below:

Paper Publications/Conference attended:

- Dr. Tatwadarshi P. Nagarhalli, Dr. Anil Hingmire, Mr. Aman Sheikh, Mr. Saurabh Shukla, Mr. Rahul Shah, Dr. Sunayana Jadhav, Dr. Amrita Ruperee have published a Research Paper titled, “Intelligent Crime Scene Recognition: Advancing Public Safety through Deep Learning Architectures and Event Sequence Analysis,” in SSRG International Journal of Electrical and Electronics Engineering, ISSN: 2348-8379, Volume 11 Issue 4, 64-71, April 2024.
- Mrs. Sejal D’mello, Mr. Hirenkumar Vyas, Mr. Naveen Arora and Ms. Shikha Choudhari have published a paper titled “Graph based Named Entity Information,” in IEEE, International Conference on Computing for sustainable Global development, New Delhi, India, 2024.
- Mrs. Sneha Yadav, Mr. Divyah Mandavia, Mr. Parth Puri and Mr. Kartik Joshi published paper titled “Retroflex: Uncovering Visual Equivalences through Reverse Image Recon,” in IEEE, International Conference on Computing for sustainable Global development, New Delhi, India, 2024.
- Mrs. Sneha Yadav, Mr. Ronak Kela, Ms. Reena Vaidhya and Ms. Khushi Tiwari. published paper titled “Eye-Activated Scroll Control:

Enhancing User Experience,” in Springer at the International Conference on Deep Learning and Visual Artificial Intelligence (ICDLAI-2024), 16-17 March 2024.

- Mrs. Sneha Yadav, Mr. Om Tiwari, Mr. Ujjwal Shrama and Riddhesh Sankhe, published paper titled “Customizable Sign Language Gesture Prediction for Assistive devices Using Machine Learning,” in International Journal for Research in Applied Science and Engineering Technology, April 2024.
- Ms. Neha Raut, Mr. Vivek Prajapati, Mr. Arpt Mishra, Mr. Prathmesh Shinde published paper titled “Decoding the News: An Integrated Approach for News Text Classification and Expert System Recommendations,” in IEEE, International Conference on Computing for sustainable Global development, New Delhi, India, 2024.
- Ms. Neha Raut, Mr. Vinayak Iswalkar, Dr. Uday Aswalekar and Mr. Prashant Singh, published paper titled “Vulnerability Analysis of GraphQL Api's after Integrated with ReactJs,” in International Journal of Innovative Science and Research Technology with ReactJs, 8(10), 10, ISSN: 2456-2165, 2023.
- Ms. Neha Raut, Priyanka Sawant and Ritu Bisht published paper titled “Comprehension of Software Testing and Impacts of Automation Testing” International Journal of Innovative Science and Research Technology, 2023.
- Ms. Neha Raut, Priya Singh published a paper titled “Self-Driving Vehicles: History & Future” International Journal for Science and Advance Research In Technology (2023). 2023.
- Ms. Neha Raut published paper titled “Blockchain in Healthcare Using IPFS” International Journal for Science and Advance Research In Technology (2023).



- Ms. Bhavika Gharat, Mr. Dhruv Mewada, Mr. Shlok Gaikwad and Mr. Priyanshu Kambale have published paper titled “AI Base Proctoring System,” in IEEE, 2nd International Conference on Knowledge Engineering and Communication Systems (ICKECS 2024), Karnataka, India, 2024.
  - Ms. Bhavika Gharat, have published paper titled “An Exploration of Blockchain Technology for secure data sharing in Cloud Computing” in International Journal for Science and Advance Research In Technology (IJSART).
  - Ms. Bhavika Gharat, have published paper titled “Indian SaaS Companies: Will they capture the Global Market?” in International Journal for Science and Advance Research In Technology (IJSART).
  - Ms. Bhavika Gharat, have published paper titled “Generative AI: Advancement, Applications and Ethical Consideration” in International Journal for Science and Advance Research In Technology (IJSART).
  - Ms. Kshitija Gharat, Mr. Yash Patil, Mr. Chetan Sapkal and Mr. Shubhamkar Patra have published paper titled “Enhanced Routing Efficiency for Educational Bus Networks using VRP,” in International Conference on Innovations and Advances in Cognitive Systems (ICIACS 2024), Kangayam, India, 2024.
  - Ms. Kshitija Gharat, Mr. Pratik Mohite have published paper titled “Exploring the role of Data Warehouse and Business Intelligence in Education System,” in International Journal of Research and analytical reviews (IJRAR), 2023 IJRAR November 2023, Volume 10, Issue 4 [www.ijrar.org](http://www.ijrar.org) (E-ISSN 2348-1269, P- ISSN 2349-5138).
  - Ms. Kshitija Gharat, Mr. Vishal Vide and Siddhesh Rumade have published paper titled “Generative AI” in International Journal for Science and Advance Research In Technology (IJSART) Paper ID: IJSARTV9I1274448,
- Published in: Volume: 9, Issue: 12, Publication Date: 12/2/2023.
- Mr. Raunak Joshi, Ms. Sakshi Mhatre, Amrita Nair, Prachi Kadam, have published paper titled “Implementing Deep Learning Techniques for Trajectories of Flights to Yield Maneuver Status.” In 2023 7th International Conference on Electronics, Communication and Aerospace Technology (ICECA), pp. 636-641. IEEE, 2023.
  - Ms. Sweety Mahesh Patil and Dr. Vinayak Shinde have published paper titled “Analysing the Effects of K-Means and Random Forest Algorithms on Resume Classification through Manipulation of Cluster Sizes and Datasets.” 2024 11th International Conference on Computing for Sustainable Global Development (INDIACom) (2024): 761-766. Dr. XYZ, International Conference, IIT R, Dec 19-21, 2022.
  - Ms. Neha Raut, Ms. Gaurav Tripathi, Mr. Brijmohan Singh published paper titled “Video Gaming as solution to world problem” International Journal of Science and Research, 2023.
- Copyrights:
- Dr. Tatwadarshi N. P., Mr. Om Achrekar, Ms. Charmi Jani, Mr. Tejashree Karekar and Shreeya Hudekar have registered a computer software copyright titled “The Art Of English Mastery” Registration number- SW-18367/2024 with the Indian Copyright Office.
  - Mrs. Sejal D’mello, Mr. Mokshad Sankhe, Mr. Sudeep Shetty and Prathmesh Bhagat have registered a computer software copyright titled “An Application for PCOS Prediction” Registration number- SW-18398/2024 with the Indian Copyright Office.
  - Mrs. Sneha Yadav have registered a computer software copyright titled “Prediction Outbreak Of disease Through Epidemiology Data from Twitter” Registration number- L-134155/2023



with the Indian Copyright Office.

- Mrs. Sneha Yadav, Mr. Sainath Khot, Mr. Yash Mayekar and Mr. Ayush Mayekar have registered a computer software copyright titled “Image Resizer Application” Registration number- SW-18360/2024 with the Indian Copyright Office.
- Ms. Neha Raut, Mr. Parth Raut, Ms. Ojasi Prabhu and Mr. Aaditya Shinde have registered a computer software copyright titled “An Application for Image Generation Using AI” Registration number- SW-18463/2024 with the Indian Copyright Office.
- Ms. Bhavika Gharat, Mr. Shubham Shah, Ms. Pia Purohit and Ms. Jagruti Borse have registered a computer software copyright titled “An Application for Customer Segmentation” Registration number- SW-18315/2024 with the Indian Copyright Office.
- Ms. Bhavika Gharat, Mr. Ryan Chulliyil, Mr. Adil Shaikh and Mr. Aryan Singh have registered a computer software copyright titled “An Application for Multi Disease Classification” Registration number- SW-18457/2024 with the Indian Copyright Office.
- Ms. Kshitija Gharat, Mr. Rohan Mangaonkar, Mr. Sunit Khaire and Mr. Aryan Gaikwad have registered a computer software copyright titled “Event Organizer and Catering Services Application” Registration number- SW-18382/2024 with the Indian Copyright Office.
- Ms. Kshitija Gharat, Mr. Raghvendra Devdigia, Mr. Omkar Mhatre and Mr. Kunal Poojari have registered a computer software copyright titled “Event Organizer and Catering Services Application” Registration number- SW-18368/2024 with the Indian Copyright Office.
- Ms. Rujuta Vartak, Mr. Anuj Mishra, Mr. Shreyank Kasable and Mr. Harsh Mishra have registered a computer software copyright titled “Cryptodata: Analysis and Prediction Application” Registration number- SW-18331/2024 with the Indian Copyright Office.

NPTEL Courses:

- Dr. Tatwadarshi N. P. completed NPTEL courses on “Accreditation and Outcome Based Learning” from Aug-Oct 2023.
- Ms. Sejal D’mello completed the NPTEL course on “AICTE FDP on NBA Accreditation and Teaching- Learning in Engineering (NATE)” from Jan-April 2024.
- Mrs. Sneha Yadav completed the NPTEL course on “AICTE FDP on NBA Accreditation and Teaching- Learning in Engineering (NATE)” from Jan-April 2024.
- Ms. Neha Raut completed the NPTEL course on “AICTE FDP on NBA Accreditation and Teaching- Learning in Engineering (NATE)” from Jan-April 2024.
- Ms. Bhavika Gharat completed the NPTEL course on “AICTE FDP on NBA Accreditation and Teaching- Learning in Engineering (NATE)” from Jan-April 2024.
- Ms. Kshitija Gharat completed the NPTEL course on “AICTE FDP on NBA Accreditation and Teaching- Learning in Engineering (NATE)” from Jan-April 2024.
- Ms. Rujuta Vartak completed the NPTEL course on “AICTE FDP on NBA Accreditation and Teaching- Learning in Engineering (NATE)” from Jan-April 2024.
- Ms. Sweety Patil completed the NPTEL course on “AICTE FDP on NBA Accreditation and Teaching- Learning in Engineering (NATE)” from Jan-April 2024.

Book/ Book Chapter Publication:

- Dr. Tatwadarshi N. P. has been an author of a book on Intelligent Approaches to Cyber Security by CRC Press, Taylor & Francis Group.
- Dr. Tatwadarshi N. P. has been an author of a book Chapter on Introduction and Importance of ML techniques in Cyber Security by CRC Press, Taylor & Francis Group.
- Dr. Tatwadarshi N. P. has been an author of a book Chapter on Evaluation of Learning



Techniques in Intrusion Detection System by CRC Press, Taylor & Francis Group.

- Ms. Bhavika Gharat has been an author of a book on Big Data Analytics (for CSE, AIML, AIDS, DE) by Tech-Neo Publication.
- Ms. Bhavika Gharat has been an author of a book on Data Analytics and Visualisation (for CSE, AIML, AIDS, DE) by Tech-Neo Publication.

Activities/Webinar/Workshop/Events conducted by the department (Between 01/07/2023 - 30/06/2024):

1. Organized One Week SDP on Excelling the code Skills: OOPs Concepts and JAVA with Infosys Spring board was conducted on 18th December 2023 to 22nd December 2023 for TE and 11th December 2023 to 15th December 2023 for SE.
2. Internship on Generative AI conducted by Mr. Raunak Joshi from 10th June 2024 to 22th June 2024.
3. Internship on Data Science was conducted by Mrs. Sneha Yadav, Ms. Rujuta Vartak and Ms. Sweety Patil from 10th June 2024 to 22th June 2024.
4. Organized an Industrial visit for SE at Content stack., Virar on 8th April 2024.
5. Organized an Industrial visit for TE at Testriq QA Lab LLP., Mira Road on 3rd April 2024.

Alumni Interaction:

1. Mr. Ankit Pandey, Associate Vice President, JP Morgan Chase & CO. [Comp. Engg.2012] has conducted the Expert Session on Agile Project Management for BE AI &DS and CSE(DS) students.
2. Mr. Akshay Bharmbe, CEO (Parking Pal) [Comp. Engg. 2015] has inaugurated the TechX on 15th September 2023 as Chief Guest. Their product Parking Pal was included in product showcase with the device.”

NSDC Activities:

Branch Coordinator: Ms. Bhavika Gharat, Mrs. Sejal D'mello

Sr. No.	Event	Resource Person	Date
1	NSDC Inauguration	Mr. Rahul Mhatre, Senior Manager at Software AG.	14/9/2023
2	TechBlitz	Mrs. Smita Jawale, Mrs. Sneha Mhatre, Mr. Yogesh Pingle, Mr. Icchanshu Jaiswal	15/3/2024
3	PowerBi	Ms. Esha Prakash, Data Science Domain Head, Testriq, Miraroad	1/3/2024
4	Code-o-fiesta	Mr. Amit Manjrekar, Director, MSS Powertech Pvt. Ltd.	26/9/2023
5	TechX (Product Showcase)	Mr. Akshay Bharambe, Founder of Parking Pal.	15/9/2023

Microsoft Learn Student's Club:

Faculty Advisor: Mr. Raunak Joshi

Sr. No.	Event Name	Resource Person	Event Date
1.	MLSC Orientation	Rishabh Tripathi, MLSA, Vidyavardhini's College of Engineering & Technology, Vasai	11/09/2023
2.	Fundamentally Azure Cloud Skill Challenge	Rishabh Tripathi, MLSA, Vidyavardhini's College of Engineering & Technology, Vasai	26/09/2023 -15/10/2023



3.	React JS Workshop	Aditya Trivedi, Founder, Coding Adda, Mumbai	8/10/2023 - 10/10/2023
4.	Career Guidance Seminar by Mission Career	Mr. Gautam Umashankar, Manager, Mission Career, Mumbai	14/02/2024
5.	Seminar on AI's Evolutionary Tale by Scogo Networks	Mr. Karan Singh, CTO & Co-Founder, Scogo Networks, Mumbai	20/02/2024
5.	Kantascrypt SQL Workshop	Mr. Samtani Edwin, CEO & Founder, Kantascrypt Pvt. Ltd., Vasai	22/02/2024
6.	Coherence 1.0	Mentors: Mr. Mohit Belokar, Design Consultant, Fractal.ai, Mumbai Mr. Parth Doshi, CloudOps Product Designer, Quantiphi Analytics, Mumbai Mr. Raj Dedania, Senior Product Designer, BrowerStack, Mumbai Judges: Mr. Nikhil Dhani - Manager Bristlecone, Mumbai Mr. Naman Agarwal - SDE1, Scogo Networks, Mumbai Mr. Mohammad Mukhtar Mohsin - SDE1, Scogo Networks, Mumbai Mr. Subhadeep Santra - SDE1, Scogo Networks, Mumbai	23/03/2024 - 24/03/2024

Intelliverse newsletter:

Faculty Advisor: Ms. Sweety Patil

Intelliverse - Technical Newsletter of the Artificial Intelligence and Data Science showcasing the articles on the latest technological advancements contributed by students was inaugurated on 06/04/2024.

VCET TechZette Wall Magazine:

Faculty Advisor: Ms. Sweety Patil

VCET TechZette Wall Magazine, the Wall Magazines of Artificial Intelligence and Data Science was inaugurated 06/04/2024. The articles were related to the latest technologies and their implementations. Wall also displayed a brief layout of departmental activities, students achievements in co-curricular & extracurricular activities and placements.

Student's Achievements:

Result for Academic Year 2023-2024:

SE Sem III Result: 79.49%

Sem III Toppers

Rank	Name	Pointer
1	Dnyanesh Baburao Panchal	10
2	Priyanka Narendra Bhandari	9.87
3	Jaffari Mohammed Ali	9.3

TE Sem V Result: 96.5 %

Sem V Toppers

Rank	Name	Pointer
1	Devharsh Jha	9.64
2	Hemani Maurya	9.45
3	Neha Singh	9.45
4	Sakshi Karande	9.32

BE Sem V Result: 100%

Sem VII Toppers

Rank	Name	Pointer
1	Chetan Sakpal	9.5





2	Devashree Pawar	9.27
3	Prachi Kadam	9.18

### Campus Placements:

Company Name	Total No of Students Placed
Godrej Infotech	02
Arcon	01
Neebal Technologies	02
Bristlecone	01
Qspider	04
Infitrix	01
Feedspot	04
TCS	04
Accurex Biomedical Pvt. Ltd	01
Health	01
Growhut Technologies Private Limited	01
Kulp Labs Private Limited	01
Quickwork Technologies Private Limited	01
Mcdonaldsindia	01

\* Placements are still undergoing for the remaining students of BE AI&DS.

105 students have done internships in 20 companies in AY: 2023-24.

### Students Other Achievements

#### Inter-Collegiate Events (Outside VCET):

Sr. No	Participant	Event	Position
1	Anum Sharif	Bhauasaheb Vartak Polytechnic CODEVERSE 2023	3rd Position

2	Pritesh Varma	Bhauasaheb Vartak Polytechnic CODEVERSE 2023	3rd Position
3	Anum Sharif	Vasantdada Patil Pratisthan College of Engineering and Visual Arts- NEXTECH 2023	Winners
4	Pritesh Varma	Vasantdada Patil Pratisthan College of Engineering and Visual Arts- NEXTECH 2023	Winners
5	Mitanksh Gosalia	Atharva College of Engineering- Projecthon 2.0 National Level Project Competition	2nd Prize
6	Chinmay Satam	Niranjan Majithia College Cooking Competition	3rd Position
7	Chetan Sapkal	Avahan Kabaddi	Second Position
8	Yash Kerkar	Bhauasaheb Vartak Techknowvent 2023 Quiz	3rd Position

#### Intra-Collegiate Events:

Sr. No	Participant	Event	Position
1	Aadil Shaikh	Oscillation	1st Position
2	Konisha Thakare	NSDC	Runner Up
3	Rajat Gupta	VNPS	Second Position
4	Vedant Mahadik	VNPS	Second Position
5	Chetan Sapkal	Avahan Kabaddi	Second Position



6	Priyanka Bhandari	Avahan Girls Cricket	Second Position
7	Rutuja Pednekar	Avahan Girls Cricket	Second Position
8	Arya Bhosale	Avahan Tug of War	First Position
9	Omkar Mhatre	Avahan Football	First Position
10	Charmi Jani	Avahan Girls Cricket	Second Position
11	Dnyanesh Panchal	Avahan Chess	First Position
12	Saloni Sutar	Avahan Girls Cricket	Second Position
13	Sakshi Karande	Avahan Tug of War	First Position
14	Arya Bhosale	Avahan Tug of War	First Position

15	Siddhi Gaikwad	Avahan Girls Cricket	Second Position
16	Siddhi Gaikwad	Avahan Tug of War	First Position
17	Shubham Shah	Avahan Chess	First Position
18	Prachi Shah	Avahan Tug of War	First Position
19	Prachi Shah	Avahan Girls Cricket	Second Position
20	Preeti Prajapati	Avahan Girls Cricket	Second Position

3 student groups have successfully completed sponsored industry project and secured an amount of ₹ 30000/-.

**Dr. Tatwadarshi P. N.**  
**HOD, (AI & DS)**

## DEPARTEMENT OF INFORMATION TECHNOLOGY



It gives me immense pleasure and honour to present the annual report of the Department of Information Technology for the academic year 2023-24. The Department of Information Technology has been accredited by NBA for three years. The department is always

striving to contribute the best for students. The various activities and achievements of the Information Technology department are as summarized below:

Faculty Achievements: (Faculty upgrade to be explicitly mentioned- if any faculty has recently

completed another degree(PG/Research)) :

- Dr. Ashish Vanmali received the “Prof. Y. K. Bhushan Most Influential Professors Award” at the 12th World Education Congress 2023.
- Mrs. Anagha Patil & team received financial assistance for a research proposal from the University of Mumbai under the Rajiv Gandhi S & T Scheme, Project titled “Optimized and fault tolerant Control System for Aerated Pond for Shrimps” received an amount of Rs 3.10 Lakhs in 2023.
- Mrs. Vaishali Shirsath has received an Indian Gov. patent for her invention titled “ML Based Robot for Industry Application-394779-001”
- Mrs. Anagha Patil has received a patent for her invention titled “Stock Price Prediction using



Linear Regression,” “Start-up funding app using Flutter and ML” & “A safety network system using IOT technology for automatic and remote controlling of bus ride stations (RENE).”

Paper Publications/Conference attended:

- Dr. Thaksen Parvat published a paper titled “Network Traffic Analysis Using Machine Learning” in Gradiva Review Journal.
- Dr. Ashish Vanmali published a paper titled “published a paper titled” in the Journal of Xidian University.
- Dr. Archana Ekbote published papers titled “Hand Gesture Controlled Virtual Whiteboard” & “Meme Trend Analyzer For Marketing Strategy” in Gradiva Review Journal
- Dr. Archana Ekbote & Dr. Madhavi Waghmare published a paper titled “EventMingle Management System” in IJCS.
- Ms. Vaishali Shirsath published papers titled
  1. “SPARQ: SYN Protection using Acyclic Redundancy check and Quartile range on P4 switches,” in Computer Communications, Journal-Elsevier-216(2024)283-204.
  2. “SYNTROPY: TCP SYN DDoS attack detection for Software Defined Network based on Rényi entropy,” in Computer Networks, Journal-Elsevier 244(2024)110327
  3. “ChatGuard: A Profanity Classification Approach for Safer Online Conversations,” in 2023 1st DMIHER International Conference on Artificial Intelligence in Education and Industry 4.0 (IDICAIEI)
  4. “Intelligent Traffic Management for Vehicular Networks using Machine Learning,” in ICTACT Journal on Communication Technology
  5. “Enhancing Multi-Channel Consumer Behavior Analysis: A Data-Driven Approach using the Optimized Apriori Algorithm,” in Journal of Electrical Systems
  6. “Design and Development of Billing Module for DRM,” in Journal of Electrical Systems

7. “Krishi Mitra: Growing Smarter with AI-Powered Farming” in IJCST

- Mr. Sainath Patil published papers titled
  1. “Enhancing Web Server Security Through Innovative Feature Selection Technique: A Comparative Analysis of ML Algorithms on KDD CUP 99 and UNSW-NB 15 Datasets” in International Conference on Intelligent Computing and Networking (IC-ICN 2024).
  2. “GameVerse - Stack of Games” Gradiva Review Journal, “Project Hub: Collaborative Platform for Students and Faculties” in Gradiva Review Journal,
  3. “PhishScanner: A Web-Based Tool for Detection of Phishing Websites Using Machine Learning” in IJCS,
  4. “Performance Evaluation of Web Server Security Systems Designed using Machine Learning Approach” in Mukht Shabd Journal,
  5. “Marathi Text Summarizer” in International Journal for Multidisciplinary Research.
- Mrs. Anagha Patil published papers titled
  1. “Evaluating ML models on CTU-13 and IOT-23 Datasets” in International Conference on Advanced Computing Technologies and Applications (ICACTA)-2023, IEEE, Electronic ISBN:979-8-3503-4834-7,
  2. “An Efficient Botnet Detection Using Machine Learning and Deep Learning” in Data Intelligence and Cognitive Informatics. ICDICI 2023. Algorithms for Intelligent Systems. Springer, Singapore. Print ISBN:978-981-99-7999-8, Online ISBN:978-981-99-7962-2,
  3. “An application development for smart monitoring of COVID patients using six stage microbiological health systems” in Journal of Intelligent & Fuzzy Systems,
  4. “Real-Time Future Stock Price Prediction Using Machine Learning Algorithms” in International Conference on Advanced



- Computing Technologies and Applications (ICACTA)-2023, IEEE, Electronic ISBN:979-8-3503-4834-7,
5. "Startup Funding App using Flutter and Machine Learning" in International Conference on Advanced Computing Technologies and Applications (ICACTA)-2023, IEEE, Electronic ISBN:979-8-3503-4834-7.
- Mrs. Pragati Patil published papers titled
    1. "BlendUI: The All-in-One CSS library" in the 11th International Conference "Computing for Sustainable Global Development" INDIACOM-2024, IEEE conference ID:61295,
    2. "Design and Development of Billing Module for DRM" in IJISRT,
    3. "Deepfake Detection System" in IJISRT.

#### Book Publications:

- Dr. Madhavi Waghmare and Mrs. Vaishali Shirsath published a book titled 'Advance Database Management System' for Nirali Publication in the year 2023-24.
- Dr. Madhavi Waghmare and Mrs. Vaishali Shirsath published a book titled 'Software Engineering' for Nirali Publication in the year 2023-24.
- Dr. Madhavi Waghmare and Mrs. Vaishali Shirsath published a book titled 'Advance Data Management Technologies' for Nirali Publication in the year 2023-24.
- Mrs. Anagha Patil published a book titled 'Bioinformatics in Machine Learning' in Scientific International Publishing House in the year 2023-24.

#### NPTEL Courses:

- Dr. Archana Ekbote, Dr. Madhavi Waghmare, Ms. Vaishali Shirsath, Mr. Sainath Patil, and Mrs. Anagha Patil completed NPTEL courses on "Accreditation and Outcome Based Learning" Aug-Oct 2023.

- Ms. Vaishali Shirsath, and Ms. Bharati Gondhalekar completed NPTEL courses on "NBA Accreditation and Teaching and Learning in Engineering (NATE) Course" Jan-April 2024.
- Ms. Snehal Mhatre, Ms. Pragati Patil completed NPTEL courses on "Outcome Based Pedagogic Principles for Effective Teaching" Feb- March 2024.

Activities/Webinars/Workshops/Events conducted by the department (Between 01/07/2023 - 30/06/2024):

- Two-week FDP on "Exhilarating Socio-Human Life Using Deep Learning" 03rd to 14th July '23
- Two Weeks SDP for BE Students on "Placement Bootcamp" from 4th July to 14th July '23
- Two Weeks SDP for TE students on "Data for Data Science" from 4th July to 14th July '23
- Workshop on "Towards Implementation of IOE Projects" on 4th & 11th Aug '23
- Guest Lecture/Seminar on "Testing as a Career" on 10th Aug '23
- Coding Competition Event Hackathon' 23 on 6th & 7th Oct '23
- Expert Lecture on "Visualizing Mini Projects Design" on 14th Oct '23
- Guest Lecture on "Docket Desktop & Kubernetes" on 19th Oct '23
- Seminar on "Interaction with Seniors regarding placements" on 30th Jan '24
- Industrial visit for SE students at Maharashtra State Power Generation, Uran, on 7th Feb 2024.
- Guest Lecture on "Emerging Concepts of Blockchain & BDA" on 12th Feb '24
- C3 Code Craze '24 on 15th March '24
- Seminar on "Technology Discussion" on 18th March '24
- Guest Lecture on "UX: What and How?" on 20th March '24



- Expert Lecture on “Transformative Influence of Image Processing on Society” on 10th April ‘24
- One week FDP on “Microsoft Power BI Data Analyst Associate” 24th to 29th June ‘24

#### Alumni Interaction:

1. Mr. Tarun Singh, RAW Engineering, discussed, “Skillsets required for recruitment tests and interviews” on 26th Aug ‘23
2. Mr. Swapnil Karvir, CEO, S.S. Die Works, Seminar on “Conversation with Interviewer” on 4th Sept ‘23
3. Ms. Ruchi Bari & Mr. Tejas Kolwankar, Media.net discussed, “Employability Consultation” on 7th Sept ‘23
4. Mr. Saurabh Malawade, Full Stack Engineer, RAW Engineering, Seminar on "Interaction with Alumni regarding placements" on 14th Feb ‘24

#### Committees under the department:

- Hackathon Committee
- C3 Club- Core Coding Club
- Elixir Committee
- ITech Magazine & Newsletter Committee

#### Student’s Achievements:

##### Result for Academic Year 2023-2024:

##### SE Toppers

Rank	Name	Pointer
1	Sahil Shah	9.17
2	Yash Doke	8.96
3	Durvesh Roge	8.78

##### TE Toppers

Rank	Name	Pointer
1	Meet Dodiya	9.32
2	Akash Mourya	9.23
3	Sima Gupta	8.91

##### BE Toppers

Rank	Name	Pointer
1	Vatsal Shah	9.13
2	Kedar Malap	9.05
3	Abhishek Jani	9.00

##### Campus Placements:

Company Name	Total No of Students Placed
Neebal Technologies	8
TCS	8
Cloudfronts	1
Zeus Learning	2
Bristlecone	10
Dear Digital	3
Arcon	2
Media.net	2
Quantum Phinance	2
Godrej Infotech	1
Mastek	1
Infytrix	2
IDFC First Bank	1
Kindcare Services	1
Vervali Systems	1
eInfochips	1
upGrad	1
Kindcare Services	1
Neosoft	1
Kulp Labs Private Limited	1
Softenger	1
Colgate	1
Upsolve Solutions	1
ThinkApps Solutions	1
Infojini	1



Finarya Tech	1
Systech Technocraft	1
Capgemini	1
NMFC	1
DotSyndicate	1
Total	60

Placements are still undergoing for the remaining students of BE IT. 43 students did internships in 29 companies.

Students Other Achievements:

1. Ms. Manaswi Jadhav and Team Winner at Smart India Hackathon 2023 at Nagpur Nodal Center

- Ms. Ruchi Gharat and Team Consolation Prize at 18th Avishkar under the guidance of Dr. Thaksen Parvat
- Mr. Sahil Chalke and Team Winner at Coherence 1.0 titled “Social Media Dashboard” for Influencers organized by VCET
- Mr. Karan Gandhi and Team Runner-up at Avalon Innov8 2.0 titled “Interactive Civic Engagement Toolkit” organized by Terna College of Engineering
- Mr. Kishor Madane Second prize at Mumbai University inter zonal wrestling competition 65kg

**Dr. Thaksen Parvat,**  
**HOD, (INFT)**

## DEPARTEMENT OF CIVIL ENGINEERING



It gives me immense pleasure and honour to present the annual report of the Department of Civil Engineering for the academic year 2023-24. Dedicated to maintaining and nurturing the status of Civil Engineering, the Department of Civil Engineering has worked

hard throughout the year to make sure that the students achieve determined knowledge in the field along with their complete development. This year the UG program of the Department of Civil Engineering received NBA accreditation. We have also started with the student chapter of the Indian Society of Structural Engineers (ISSE). The various activities and achievements of the Civil Engineering Department are summarized below:

Faculty Achievements:

- Mr. Ashutosh Dabli and his guided student received 2nd prize in Prakalp- 2024 (State Level Project Competition) organized by Pillai HOC College of Engineering and Technology held on 2nd April 2024.
- Mr. Arbaz Kazi published a copyright for the article “Forecasting of Housing Property Rates Using Multiple Linear Regression- An Indian Context.”
- Ms. Puja Kadam published a copyright for the report on “Evaluation of Water Quality of Kelthan Village, Vajreshwari”.
- Ms. Puja Kadam and Mr. Arbaz Kazi received Gold Medal certification for the 12-week NPTEL Course on “Accreditation and Outcome Based Learning”
- Ms. Puja Kadam received Silver Medal certification for the 4-week NPTEL course on “Outcome-based Pedagogic Principles for Effective Teaching”.
- Ms. Puja Kadam received Silver Medal



certification for the 12-week NPTEL “Municipal Solid Waste Management” course.

- Mr. Nikhil Gavad received Silver Medal certification for a 12-week NPTEL course on “Design of Reinforced Concrete Structures”.
- Ms. Puja Kadam received a certificate of appreciation from NPTEL for her role as mentor for the NPTEL Online Certification course on “Municipal Solid Waste Management.”
- Dr. Viren Chandanshive participated as session chair for the Multicon-2024 National Conference organized by Thakur College of Engineering and Technology, Kandivali.
- Mr. Vikrant Kothari and Mr. Arbaz Kazi published a book titled “Construction Equipment and Techniques” with Nirali Publication.
- Ms. Puja Kadam and Mr. Nikhil Gavad published a book titled “Industrial Waste Treatment” with Nirali Publication.
- Dr. Ajay Radke published a book on “MEP Systems and Repairs of Buildings” with Synergy Knowledgeware, Thane.
- Mr. Jaydeep Chougale and Ms. Puja Kadam received appreciation from Seth Vidya Mandir School, Vasai, for conducting a session on career counseling for 12th-grade students.

### Paper Publications

1. Dr. Viren Chandanshive published a paper on “Application of artificial neural network in environmental engineering—a state of the art review in Scopus Indexed Journal- International Journal of Environment and Waste Management, vol.33, No. 4, 2024.
2. Dr. Viren Chandanshive and Dr. Ajay Radke published a paper on “Application of Artificial Neural Network for prediction of story drift in high rise buildings.
3. Mr. Jaydeep Chougale published a paper “A Review on Design and Analysis of Foot Over Bridge” in the International Journal for

Research in Applied Science & Engineering Technology, vol 12, Issue 1.

### Conference Details

Sr. No.	Name of the Faculty	Title/Topic	Name of the Conference
1	Dr. Ajay Radke	Review Of Using Shear walls & Bracings for Seismic Strengthening of High-Rise RC Structures	International Conference on Futuristic Trends in Science, Engineering and Management (ICFTSEM) 2024
2	Dr. Ajay Radke and Mr. Jaydeep Chougale	Review of the Analysis and Design of Foot Over Bridges by Using Steel Truss and Girder for Seismic and Wind Conditions with Identification of Software Applications	International Conference on Futuristic Trends in Science, Engineering and Management (ICFTSEM) 2024
3	Dr. Ajay Radke and Dr. Viren Chandanshive	Application of ANN for Prediction of Story Drift in High-Rise Buildings.	International Conference on Advances in Mechanical & Civil (IC-AMC 2024)
4	Dr. Ajay Radke and Mr. Jaydeep Chougale	A Review on comparison of RCC and Steel multistorey building with and without beam projections.	International Conference on Futuristic Trends in Science, Engineering and Management (ICFTSEM) 2024



5	Dr. Ajay Radke and Mr. Jaydeep Chougale	A review on the investigation of durability performance of high-performance concrete with cementitious materials	International Conference on Futuristic Trends in Science, Engineering and Management (ICFTSEM) 2024
6	Dr. Ajay Radke and Mr. Vikrant Kothari	Analysis and Design of Utility Duct in FootOver Bridge Pile Cap” - A Review	International Conference on Advances in Mechanical & Civil (IC-AMC 2024)
7	Mr. Jaydeep Chougale	Review on Reduction of Seismic response due to effect of floating columns	International Conference on Advances in Mechanical & Civil (IC-AMC 2024)
8	Mr. Jaydeep Chougale	Using silica fume, GGBS and Colloidal silica as cementitious materials & experimental examination of the strength and durability of HPC	National Conference on Emerging trends in Engineering & Sciences (NCETES), Jaihind College of Engineering
9	Mr. Jaydeep Chougale	Effect of Manufactured sand, micro silica & GGBS on properties of high-performance concrete	Second International conference on Advancements in Sustainable Materials and Infrastructure

10	Dr. Viren Chandanshive	Digital Formulation of Muchkundi Road Earthworks- A case study	International Conference on Transportation System Engineering and Management (CTSEM2024)
11	Ms. Puja Kadam	Design of an Engineered Landfill for VVCMC Dumping ground	International Conference on Advances in Technology and Management organized by A.C. Patil College of Engineering, Kharghar, Navi Mumbai.
12	Mr. Arbaz Kazi	Analysis and Design of Reinforced Earth slope in Cohesionless soil”	International conference on Advances of Civil Engineering organized by JCT College of Engineering and Technology Coimbatore

#### NPTEL Courses and FDPs:

1. Dr. Viren Chandanshive, Mr. Vikrant Kothari, Ms. Puja Kadam, Mr. Arbaz Kazi, and Mr. Nikhil Gavad completed the 08-week NPTEL course and FDP on “Accreditation and Outcome-Based Learning.”
2. Dr. Viren Chandanshive, Ms. Puja Kadam, and Mr. Prakash Panda completed an FDP 4-week course on “Outcome-based Pedagogic Principles for Effective Teaching.”
3. Ms. Puja Kadam completed a 12-week NPTEL course and FDP on “Municipal Solid Waste Management.”
4. Dr. Viren Chandanshive completed the NPTEL 8-week course and FDP on “Research Methodology.”





- Mr. Nikhil Gavad completed a 12-week NPTEL Course on “Design of Reinforced Concrete Structures.”

#### FDP/STTP/Workshops Attended

Sr. No.	Name of the Faculty	FDP/STTP/Workshop Attended
1	Dr. Viren Chandanshive	One day workshop on “StartupManthan” organized by University of Mumbai in collaboration with S.D. Arts , V.S. Apte Commerce & M.H. Mehta Science College, Palghar.
2	Mr. Nikhil Gavad & Ms. Aishwarya Anil	One week Short term course on “Materials and structures under extreme loading” organized by department of Civil Engineering and Centre for continuing education in association with Indian Geotechnical Society Jalandhar Chapter
3	Ms. Puja Kadam	Completed course on Basics of Disaster Management by NIDM
4	Ms. Puja Kadam	Completed course on Living with Climate change and Water Management by Maha Youth for climate action
5	Ms. Puja Kadam	5 Days FDP on Construction Safety organized by the Department of Civil Engineering in association with the Internal Quality Assurance cell of MVPS'S KBT College of Engineering, Nashik.

Activities/Webinar/Workshop/Events conducted by the department:

- Mr. Vikrant Kothari organized a seminar on “Design Thinking” by Dr. Kaustubh Dhargalkar on 20th March 2024.

- Mr. Vikrant Kothari organized a seminar on “Introduction to Smart City” by Mr. Parveen Gulia on 11th August 2023.
- Ms. Puja Kadam organized an expert session and demonstration on fire safety on 3rd October 2023.
- Ms. Puja Kadam organized an expert session on “Rainwater Harvesting-An effective tool for water management” by Mr. Sandeep Adhyapak on 27th July 2023.

Site Visits organized by the department:

1. Ms. Puja Kadam organized a site visit to the Wastewater Treatment facility at Gokul Township, Virar, on 28th February 2024.
2. Ms. Puja Kadam organized a visit to IFAT Exhibition on water, sewage, solid waste and recycling, Bombay Exhibition Centre on 19th September 2023.
3. Mr. Nikhil Gavad organized a visit to IFAT Exhibition on World of Concrete, Bombay Exhibition Centre on 19th September 2023.
4. Mr. Jaydeep Chougale and Dr. Viren Chandanshive organized a site Visit to Shree Mahashraman Realtors Chitra Bhavan, Vishal bhavan, Vasai, on 09/10/2023.

Alumni Interaction:

1. Ms. Mihika Malankar – session on Entrepreneurship on 20th March 2024

Student’s Achievements:

Result for Academic Year 2023-2024:

Sem IV Toppers

Rank	Name	Pointer
1	Mohite Meghana	8.85
2	Shelar Pranay	8.71
3	Patil Darshan	8.48

Sem VI Toppers



Rank	Name	Pointer
1	Pratham Solanki	10
2	Amey Ghule	9.87
3	Gandhi Prasham	8.96

### Sem VIII Toppers

Rank	Name	Pointer
1	Kimaya Salunkhe	9.37
	Prajakta Prakash Borse	
2	Deeksha Shetty	9.05
3	Asmita Anil Dethe	8.89
	Jeevan Medge	

### Students Other Achievements:

1. Saloni Pundpal received 2nd prize in Prakalp – 2024 (State level Project Competition) organized by Pillai HOC College of Engineering and Technology held on 2nd April 2024.

### Campus Placements:

Company Name	Total No of Students Placed
VDS Advisory	02
Aaryan Structcons	03
Unita Enterprises	05
Mahindra Lifespaces	02
Supreme N force	01
Kalpataru Ventures	01
Amiand Consulting Pvt. Ltd.	01
K P Shah Consulting LLP	01
Dr. Kelkar Designs Pvt Ltd	01
B.J Mehta & Associates	01

**Dr. Ajay S. Radke**  
HOD, (Civil Engg.)

## DEPARTEMENT OF FIRST YEAR ENGINEERING



It gives me immense pleasure and honour to present the annual report of the First Year Engineering for the academic year 2023-24. The main objective of the First Year Engineering is to build a strong foundation of all the different branches of the engineering courses. Under

the expert guidance, support, and sincere efforts of Faculty members the students can complete their four years tenure of the engineering course and become proud engineers of the Institute ready to reach the pinnacle of success.

The various activities and achievements of the First Year Engineering are as summarized below:

### Faculty Achievements:

Mr. Mayur Gohil qualified GATE Exam 2024, Mathematics

### Paper Publications/Conference attended:

- Dr. Suraj Vishwakarma published a research article titled “Influence of thermal annealing on silicon negative ion implanted SiO<sub>2</sub> thin films” in an Elsevier Journal Named Nuclear Inst. and Methods in Physics Research, B' Vol. No. B 546 (2024) 165154.
- Dr. Madhuri Kharpade published a research article titled “Development of Room Temperature Ammonia Sensor based on CNF/Nano ZSM-5 Composites” Materials Today: Proceedings, July 2023.
- Dr. Madhuri Kharpade published a research



article titled CNF/Cu-ZSM-5 Green Nanocomposite: Excellent Flexible Ammonia Sensor J Porous Mater in July 23.

Dr. Pradip Gulbhile

- Honoured for NSS activities at Mumbai University Convocation Hall
- Represented VCET and Palghar District at G-20 Summit at Pune University
- Presented VCET NSS Unit at NSS Annual Evaluation Programme, Mumbai University.
- Honoured with a certificate of appreciation from Local Governing Body (Gram Panchayat) Makunsar Village.

NPTEL Courses

Sr. No.	Accreditation and Outcome Based Learning
1	Ms. C. Sonarkar
2	Ms. Beauty Ansari
3	Dr. Pradip Gulbhile
4	Dr. Suraj Vishwakarma
5	Ms. Kamini More
6	Ms. Prachee Shah
7	Ms. Ankita Jadhav
8	Ms. Praiza Gonsalves
9	Mr. Ganesh Tilave

Sr. No.	Outcome Based Pedagogic Principles for Effective Teaching
1	Ms. C. Sonarkar
2	Ms. Beauty Ansari
3	Ms. Gloria Collaco
4	Ms. Dhanashree Lamane
5	Ms. Prachee Shah
6	Ms. Praiza Gonsalves
7	Ms. Heena Singh

Sr. No.	NBA Accreditation and Teaching and learning in Engineering (NATE)
1	Ms. Shobna Shirsath
2	Ms. Vaishnavi Gurav
3	Ms. Gloria Collaco
4	Ms. Tanya D'souza
5	Ms. Anahita Pereira
6	Dr. Rhushirajeshwari Naik

- Dr. Suraj Vishwakarma completed one week certification course on "Fabre Optics: Communication and Sensing Applications" from 10th July-2023 to 14th July-2023 conducted by Applied Science Department, NITTR, Chandigarh.
- Dr. Suraj Vishwakarma completed 4-Weeks certification Course on "Fundamentals of Electronic Device Fabrication" from July to August 2023 under NPTEL conducted by IIT Madras.
- Mr. Ambuj Tiwari completed one week certification course on "Fabre Optics: Communication and Sensing Applications" from 10th July-2023 to 14th July-2023 conducted by Applied Science Department, NITTR, Chandigarh.
- Ms. Tanya D'souza completed a Two-Weeks Online Course on Listening Skills to Succeed at University organized by the University of Leeds on 19 Feb. 2024.

FDPs/STTPs Attended:

Sr. No.	Innovative and Creative Approaches for Teaching and Research
1	Ms. Beauty Ansari
2	Dr. Rhushirajeshwari Naik
3	Dr. Suraj Vishwakarma



4	Ms. Kamini More
5	Ms. Prachee Shah
6	Mr. Ambuj Tiwari
7	Ms. Vaishnavi Gurav
8	Ms. Ankita Mane
9	Ms. Tanya D'souza
10.	Ms. Praiza Gonsalves
11.	Mr. Mayur Gohil
12	Mr. Ganesh Tilave
13	Ms. Deepika Panchal
14	Ms. Anahita Perira
15	Ms. Shobna Shirsath
16	Ms. Heena Singh
17	Ms. Dhanashree Lamane

Sr. No.	Universal Human Values
1	Dr. Rhushirajeshwari Naik
2	Ms. Vaishnavi Gurav
3	Ms. Gloria Collaco
4	Ms. Deepika Panchal
5	Ms. Anahita Pereira
6	Ms. Heena Singh
7	Ms. Tanya D'souza

### Courses completed

Mrs. Chandrakishori Sonarkar & Ms. Beauty Ansari-

i) 5 days online FDP on Advancements in Green Energy Technologies and its significance in sustainable development, BVCOE, Navi Mumbai from 3–7 July 2023.

ii) 5 days online FDP on Air, Water Pollution and Health, NITTTR, Kolkata from 31st July- 4th August, 2023.

Mrs. Chandrakishori Sonarkar

i) 12 days online FDP on Exhilarating SOCIO Human Life Using Deep Learning, VCET Vasai from 3–7 July 2023.

ii) 5 days online FDP on Innovative practices in teaching learning process, Navsahyadri group of institutes, Pune from 19–23 December 2023.

Dr. Suraj Vishwakarma & Mr. Ambuj Tiwari

i) A 5-Days Online FDP on "Functional Materials and Devices: Energy, Environment and Sustainable Development" organized by the Department of Physics, Presidency University, Bangalore from 10th July to 14th July 2023

Mrs. Ankita Mane Mrs. Praiza Gonsalves & Mr. Mayur Gohil

A 7-day Virtual FDP on “Research Insights for Academic Excellence” conducted by Dept. of Mathematics, KPR college of Arts Science and Research, Coimbatore, TN, from 3–8 Aug. 2023

Mr. Mayur Gohil

5-Days FDP on “Spectral Theory and Its Application in Graph Theory” conducted by Vellore Institute of Technology, Vellore, from 27 Nov–1 Dec 2023.

Ms. Prachee Shah

i) 5 Days FDP by Microsoft, SAP & AICTE led AI & Cloud: Workshop on responsive AI in the cloud: Leveraging Generative power in the Cloud under TechSaksham from 21st August 2023 to 25th August 2023.

ii) Conducted “Introduction to Generative AI with Google Cloud as part of India Edu Program’s: Tech Talks” for Educators.

iii) Two-Day Workshop on “Robotics” at Vidyavardhini's College of Engineering & Technology, Vasai on 19–20 Oct. 2023.

iv) session on “Impact of Generative AI on skills and Future Jobs in Higher Education” conducted by India Didactics Association.



Ms. Heena Singh  
6-Days Online FDP on Cyber-Physical Systems: Bridging IoT Electronics & Computer Science & Cyber Security” held during 23 June– 1 July 2023 organized by Thakur College of Engineering and Technology, Mumbai, Maharashtra.

Ms. Tanya D’souza  
One-Week Online FDP on “Fannonism Unveiled: A Comprehensive Exploration of Franz Fannon’s Impact on Literature and Contemporary Discourse” organized by Career Development Cell (CDC), Gokul Global University, Siddhpur, Gujarat from 15–21 Jan. 2024.

One-Week Online National Level FDP on “Bridging Gaps: Mastering the Art and Science of Classroom Communication” organized by Career Development Cell (CDC), Gokul Global University, Siddhpur, Gujarat from 29 April–5 May 2024.

- Tanvi Patil won first prize in carrom singles girls at Jogeshwari Education Society's College of Commerce, Science and Information Technology held on 30 Jan 2024.

Oscillations 2024:

Indian Knowledge System – Winners

Branch	Name	Position
FE CSEDS	Arnav Gupta, Yasmeeen Ahmdabadwala, Suruchi Gupta	Winners
FE COMP	Atharva Karekar, Disha Kini, Samruddhi Kharawade	Runner Up
Track 2		
FE IT	Lokesh Bawaskar, Priya Gaikwad, Shradha Gupta	Winners
FE EXTC	Ninad Palkar	Runner Up

Student’s Achievements:

Result for Academic Year 2023–24:

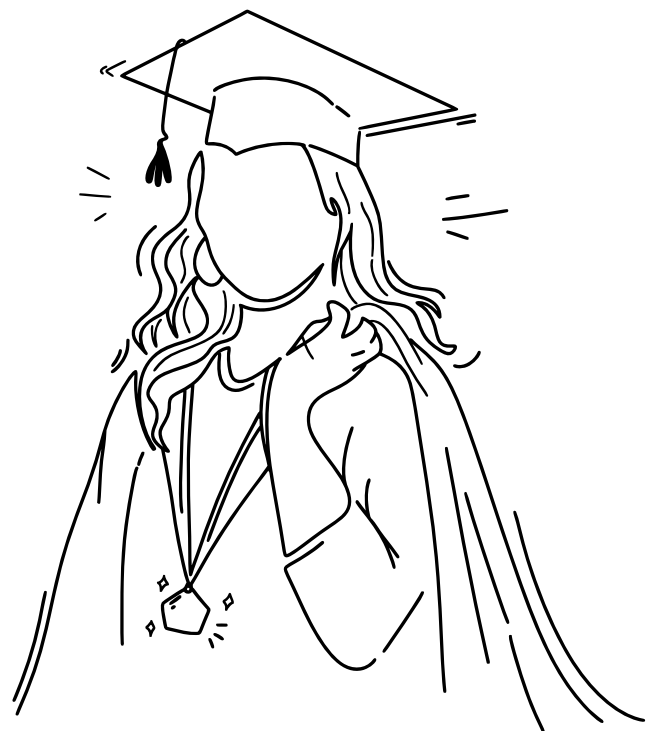
Sem I Toppers

Rank	Name	Pointer
1	Rishiraj Yadav	10
2	Dnyanesh Khandare and Nikita Solanki	9.89
3	Saiesh Mangesh Sutar	9.83

Sports:

- Miss. Palak Churi won Gold Medal for Team Championship, Silver for overall Individual Championship and bronze for Individual pole Mallakhamb Championship in Khelo India youth games, held in Trichy, Tamil Nadu between 21–24 Jan 2024.
- Saish Sutar won 3rd prize in 1st AeroGCS Global Competition held on 24th Feb 2024 in Nashik at Sandip University campus Hosted by PDRL, a drone technology company.

**Dr. Sunayana Jadhav**  
FE Coordinator.





## DEPARTEMENT OF CSE (DS)



It gives me immense pleasure and honour to present the annual report of the Department of Computer Science and Engineering (Data Science) for the academic year 2023–24. The Department of CSEDS came into existence in 2020-21 academic year with an initial intake of 60.

From the 2023–24 academic year, the department has an intake capacity of 180 seats. The CSEDS department is dedicated to fostering a dynamic and inclusive learning environment that empowers students with the knowledge, skills, and practical experience required to excel specifically in the ever-evolving world of Data Science. The various activities and achievements of CSEDS Engineering Department are as summarized below:

### Faculty Achievements:

- Mr. Yogesh Pingle is pursuing a PhD.
- Mrs. Komal Champanerkar pursuing PhD.
- Mr. Ichhanshu Jaiswal is pursuing a PhD.
- Ms. Krunali Vartak is pursuing a PhD.

### Paper Publications/Conferences Attended:

- Mrs. Komal Champanerkar published a research paper titled "Question Generation from PDF using LangChain" in the INDIACOM 2024 International Conference at Bharati Vidyapeeth's College of Engineering, New Delhi, on 1 March 2024.
- Ichhanshu Jaiswal published a research paper titled "Facial Emotion Recognition from Video using Transfer Learning to differentiate Emotion and Expression of Presenter" in the INDIACOM-2024 International Conference at Bharati Vidyapeeth University of Technology, New Delhi, on 1st March 2024.

- Mr. Yogesh Pingle published a research paper titled "Harmonic Healing and Neural Networks: Enhancing Music Therapy Through AI Integration" in the 7th International Joint Conference on Advances in Computational Intelligence (IJCACI - 2023).
- Mr. Yogesh Pingle published a research paper titled "Accuracy Prediction for Music Therapy Data using Kappa Model" in the 11th International Conference on "Computing for Sustainable Global Development."
- Janisa Pereira published a research paper titled "AutoGPT: Automated IR for Enhanced User Experience."
- Maya Varghese published a research paper titled "ML-based Phishing Website Detection" in the 11th International Conference on "Computing for Sustainable Global Development."
- Maya Varghese published a research paper titled "ML-based Phishing Website Detection" in the 11th International Conference on "Computing for Sustainable Global Development."
- Leena Raut published a research paper titled "Personal AI desktop Assistance" in the Internal Conference on Science Technology Engineering and Mathematics for Sustainable Development
- Odilia Gonsalves published a research paper titled "Personal AI desktop Assistance" in the Internal Conference on Science Technology Engineering and Mathematics for Sustainable Development.
- Krunali Vartak published a research paper titled "CopConnect-AI driven Surveillance and Sketch Generation for Crime" in the 11th International Conference on "Computing for Sustainable Global Development."



- Krunali Vartak published a research paper titled "Antique Hub: Deep Learning based Verification Systems and Marketplace for Antique Collection" in the 11th International Conference on "Computing for Sustainable Global Development."

#### Courses/FDP/STTP/Workshops attended:

- Mr. Ichhanshu Jaiswal attended an expert talk on "Generative AI" at Vasant Dada Patil Engineering College, Sion, in April 2024.
- Mr. Yogesh Pingle attended the STTP on "Advanced Internet Technology" in July 2023.
- Mr. Yogesh Pingle attended the ATAL Sponsored AICTE Session on "AI enabled IoT and AI Clustering Algorithm for Supply Chain Management" in January 2024.
- Mr. Yogesh Pingle attended the Meeting of the Board of Studies for BSC, MSC Computer Science Syllabus Design, including NEP, in March 2024.
- Mr. Yogesh Pingle attended an expert lecture on Open Source Technologies in August 2023.
- Mr. Yogesh Pingle attended the Hands-on Workshop on IoT in September 2023.

#### Activities/Webinar/Workshop/Events conducted by the department:

- Mr. Vikram Singh Kuswah and Mr. Ichhanshu Jaiswal organized a session on "How Industry works on Projects and Roadmap to Develop Academic Mini-Projects" in 2024-25.
- Dr. Anindita Chatterjee, Ms. Janisa Pereira, Ms. Odilia Gonsalves, and Mr. Ichhanshu Jaiswal organized a "Placement Guidance Seminar" in 2024-25.
- Mr. Yagnesh Devashrayee and Mrs. Maya Varghese organized a session on "The World of Javascript Frameworks" in 2023-24.
- Mr. Amol Patil, Network Administrator, VCET, Mrs. Maya Varghese, Mr. Sumeet Shingi, and Mrs. Odilia Gonsalves organized an "Expert Talk on Server Room and Networking Devices" in 2023-24.

- Ms. Ankita Malani, Mr. Ichhanshu Jaiswal, and Ms. Janisa Pereira organized a session on "Recent Trends in Cloud Computing" in 2023-24.
  - Mr. Kushagra Soni and Mr. Ichhanshu Jaiswal organized a session on "Application of AI in Industry" in 2023-24.
  - Mr. Harshada Toplae and Mr. Ichhanshu Jaiswal organized a session on "Internship Opportunities at Cloud Counselege Pvt. Ltd." in 2023-24.
  - Mr. Amit Aylani and Mr. Ichhanshu Jaiswal organized a session on "Enhance Your Network through LinkedIn" in 2023-24.
  - Mr. Pranshu Divan and Mr. Ichhanshu Jaiswal organized a session on "Large Language Model Application in Generative AI" in 2023-24.
  - Ms. Indu Anup and Ms. Leena Raut organized a session on "DevOps and Remote Job Opportunities" in 2023-24.
  - Mr. Swapnil Karvir and Mr. Yogesh Pingle organized a session on "Aptitude Preparation Guidance" in 2023-24.
  - Mr. Amit Manjrekar and Mr. Yogesh Pingle organized a session on "Current Trends in Industry" in 2022-23.
  - Mr. Eric Lotwal and Mrs. Maya Varghese organized a session on "An Introduction to Drones and Various Avionics Technologies Involved" in 2022-23.
  - Mr. Ichhanshu Jaiswal and Mr. Sumeet Shingi organized an industry visit to Reliance JIO, Gansoli, for second-year and third-year students on 12th July 2024.
  - Mr. Yogesh Pingle and Mrs. Maya Varghese organized an industry visit to Adani Dhanu Power Plant, Dahanu, for second-year students on 13th March 2024.
  - Mr. Ichhanshu Jaiswal and Mrs. Odilia Gonsalves organized an industry visit to Raw Engineering and ContentStack, Virar, for third-year and final-year students on 27th March 2024.
  - Mrs. Maya Varghese and Mr. Yogesh Pingle organized an industry visit to Helical Springs PVT LTD, Vasai East, for second-year students on 10th August 2024.
  - Mr. Ichhanshu Jaiswal and Mrs. Odilia Gonsalves organized an industry visit to JANYU Technologies PVT LTD, Vasai East, for second-year students on 9th August 2024.
- Committees under the particular department



Committees under the particular department:

1. German Club
2. Computer Society of India (CSI)

Student's Achievements:

Result for Academic Year 2023-2024:

Sem III Toppers

Rank	Name	Pointer
1	Siddharth Chakravarty	9.74
2	Abhishek Mishra	9.74
3	Soham Shivpuje	9.74

Sem V Toppers

Rank	Name	Pointer
1	Laxman Sawant	9.86
2	Mukeshkumar Prajapat	9.32
3	Viraj Wadke	9.05

Sem VII Toppers

Rank	Name	Pointer
1	Abhay Shukla	9.86
2	Kritika Iyer	9.73
3	Yash Chand	9.68

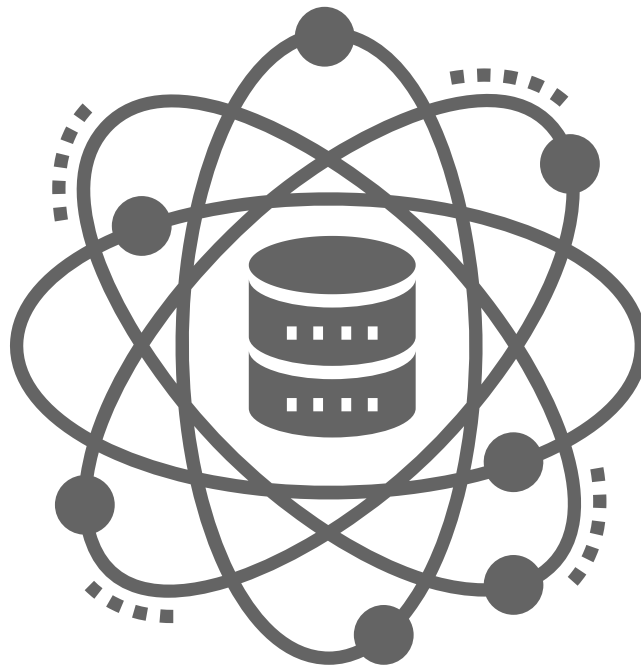
Campus Placements:

35 students secured placements, with Niyati Patil receiving the highest package. Additionally, over 60 students completed internships across 20+ companies.

Students Curricular Achievements:

1. Mukeshkumar Prajapat, Durvesh Kajrekar and Vinayak Deore, won first position in TECHBLITZ '24 .
2. Pratham Patel and won second position in CARROM DOUBLES IISM.
3. Adithya Jayakumar Parambil, Siddharth Chakravarty, Abhishek Mishra Published research paper in IEEE INDIACOM

**Dr. Vikas Gupta**  
**HOD, ( CSE(DS))**







## LITERATI - THE LITERARY CLUB

Literati – The Literary Club of VCET is responsible for promoting and supporting literary activities within our organisation. Over the past year, the committee has made significant progress in achieving its objectives. This report summarises the committee's activities, achievements, and challenges faced by the club in AY 2023-24

We begin each year by welcoming creative and interested members for our committee who put their heart and enthusiasm into making the year insightful. The theme for Vista 2023 was Ekam-Uniting For a Sustainable Renaissance. It featured outstanding works of literature from amateur readers, writers, and poets of our college. The committee organises events not only in one or two languages but in three different languages i.e. Hindi, Marathi, and English! which in turn brings more participants and zeal.

Since the motto of the committee is to promote literature among students, Marathi and Hindi Kavi Sammelan were two poetry recitation competitions hosted consecutively. The competition brings out some of the finest poets in the college and their creations are music to ears. Not just students, but faculty participation in the club's activities were promoted in the form of MBD(Marathi Bhasha Divas) to bring out the literature enthusiasts among the teachers.

The ultimate and most-anticipated event of the year Litfest'24 capped off the glorious work put forward by the committee members. This year Litfest'24 was held on 9th March 2024. As a regular trend that is seen over the years Faceoff 11 and Unscripted - The Extempore competition attracted interest and delight throughout the students, faculty and management of VCET.

This year had its ups and downs, with some major issues arising at critical moments. But it was quite remarkable how the unity stayed among the members and through sheer determination and will power, every event was a grand success and only brought fame and praise for the committee.

Event Name	Event Date
Ink and Imagination Soft Skill Seminar	04/09/2023
Hindi and Marathi Kavi Sammelan	11/09/2023 - 12/09/2023
Bharatiya Bhasha Utsav	10/10/2023
Unscripted - The Extempore Speech Competition(English)	08/02/2024
Litfest'24	09/02/2024
Faceoff(Intra)	15/02/2024 - 16/02/2024
Marathi Bhasha Divas	24/02/2024

**Ms. Swati Varma**  
**Staff In-charge**  
**Literati - The Literary Club**



## SPORTS COMMITTEE

Avahan Sports weave the very fabric of our lives, acting as a catalyst for personal growth, mental fortitude, and physical vitality. Enter the stage of exhilaration - AVAHAN, the annual inter-college youth spectacle radiating sportsmanship, fervor, and unwavering determination. This grand celebration of skill and strategy unfolds every year, a vibrant tapestry of enthusiasm, set to elevate spirits and showcase prowess.

In the academic odyssey of 2023-24, AVAHAN emerged as the beacon of joy, slated from January 15th to 21st, 2024, both at the intra and inter-college levels. For VCETians, AVAHAN is more than an event, it's an emotion that surges through every fiber of their being. Students from across Mumbai converged to partake in this extraordinary event, creating a whirlwind of excitement.

The inauguration ceremony on January 15th was nothing short of a spectacle, graced by the presence of Ms. Sulakshana Naik, added an extra layer of charisma. The rhythmic beats of 'Aadishakti', the gravity-defying skips by Rising Skippers, BMX skills by Ansh Prajapati and football freestyle by Bhavesh Kulal, transformed the opening into an enchanting experience. The match past wasn't just a procession, it was a display of departmental pride, magnified by motivational speeches that echoed in the hearts of all present.

In the dynamic saga of AVAHAN 24, the spotlight gracefully embraced Miss. Pallavi Thakur, the Joint Sports Secretary, who set the stage ablaze, revealing the challenges and drumming up fervent support for this grand sporting spectacle. A resounding chorus of gratitude reverberated through the air as the Treasurer painted a vivid tapestry of appreciation for dignitaries, committee members, and sponsors—the architects of the event's soaring success.

Each year is a canvas waiting to be painted anew, and AVAHAN 24 adorned itself with a unique theme, breathing life into its mighty letters. The pulsating energy of participants and an ardent support team converged under the banner of a Dropdown adorned with the event's hashtag. As these symbolic boxes unfurled, they revealed not just new reflections but an exhilarating fresh start, captivating everyone present in the magic of the moment.

In the lead-up to the event, precision took center stage. Miss. Pallavi Thakur and her team of coordinators ensured registered participants were in the loop, receiving updates and reporting times tailored to their respective categories and sports. A dynamic leaderboard emerged, transforming the competition into a real-time spectacle where participants could track the pulse of their rivals, infusing an extra layer of excitement into the proceedings.

Under the meticulous orchestration of the committee members, the events unfolded seamlessly, adhering to the carefully crafted schedule. The week-long extravaganza unfolded as a harmonious symphony of indoor and outdoor activities, weaving an immersive experience for all participants. AVAHAN 24 became a vibrant canvas where athletic prowess and sportsmanship collided, promising a riveting competition with every heartbeat.

As the days danced by, AVAHAN 24 evolved into a stirring testament of precision and passion, a spectacle that transcended the boundaries of the playing field. The events, spanning seven electrifying days, stood as a testament to the tireless dedication of the organizing committee and the boundless enthusiasm of the participants. In the pulsating



heartbeat of AVAHAN 24, a narrative of sportsmanship, skill, and camaraderie unfolded, painting a vivid picture of a community bound by a shared love for the game. As the curtain gracefully descended on this week-long symphony, it left behind a tapestry of triumphant memories, a promise of future editions that will undoubtedly elevate the realm of sports to new heights of excellence.

The 7-day extravaganza unfolded with precision, seamlessly blending indoor and outdoor spectacles. Deadlift and Kho-kho, making a comeback after four years, added a fresh dynamic. The meticulous coordination by the committee painted a canvas of flawless execution, with overarm cricket on the lush Suncity ground providing a visual feast. The climax on the 6th & 7th day featured Tug of War finals and

Football Departmental Finals, bringing AVAHAN 2024 to a close with a symphony of emotions.

Beyond the glitz of competition, AVAHAN 2024 championed the ethos of fair play, equality, and justice in the realm of sports. Participation became a crucible of skills, experiences, and confidence, forging personalities with an indomitable spirit. As the curtain falls on AVAHAN 2024, it leaves behind a legacy of triumph, setting the stage for future editions that promise even more splendor and excellence.

**Dr. Madhavi Waghmare**  
**Staff In-charge**  
**Sports Committee**

## STUDENTS' COUNCIL

Following the years of successfully organising events, VCET's Students' Council recently organized the eagerly awaited ZEAL 2024, marking another triumphant milestone. The resounding success of this event is a testament to the Students' Council's dedication and sets the stage for even more extraordinary gatherings in the future.

Embarking on a magical journey with Zeal 2024's theme, "Alchemy: Witness the magic of your efforts." Inspired by the ancient tale of alchemists. This year's Zeal revolved around the belief that outcomes mirrored the dedication invested. Just like planting seeds in fertile soil yields a bountiful harvest, effort and engagement promised joy, adventure, and lasting memories. Zeal 2024 invited everyone to infuse dedication into experiences, creating something truly magical. It was a pledge that efforts transmuted into unforgettable moments, forging cherished memories to carry with you always.

Continuing the journey, Pre-Zeal unfolded with captivating elimination rounds on 23rd and 24th of January 2024. The elimination rounds of events including Antakshari, Dumb Charades, True Pals, Facts and Furious, Charcoal Sketching, Master Stroke and Snakes & Ladders were successfully conducted. As our momentum heightened, we seamlessly transitioned into the elegance of Formals on 24th January 2024, the cultural richness of Traditional on 26th January 2024, and the whimsical charm of Mismatch Day on 27th January 2024. Commencing with the main Zeal right from 25th January 2024, as our Day 1, we had events like Rangoli, Treasure hunt started from 9 am, wrapped up by 2 pm. Also the long-lost event 'War of DJs' was resurrected this year from 10 AM to 1 PM, where the whole college enjoyed an electrifying war of beats and music. Thereby beginning with the Grand Inauguration, we had Dhol Tasha to commence our Zeal 2024, in a traditional Maharashtrian style.



Honouring the distinguished Chief guests Ms. Larissa Almeida & Mr. Rishikant Raut, adorned with the grace of Aarti and illuminating the ceremonial lamp. In the esteemed presence of the dignitaries such as Shri. Vikas Vartak (President Vidyavardhini), Shri. Pandurang Naik (Vice President Vidyavardhini), Shri. Hasmukhbhai Shah (Treasurer Vidyavardhini), Dr. Harish Vankudre (Principal), Dr. Madhavi Waghmare (Dean of Student Affairs), Mr. Omkar Joshi (General Secretary), Mr. Manas Parab (Deputy General Secretary), Mr. Sahil Gujral (Treasurer), Ms. Dhanashree Tandel (Cultural Secretary). Together they unveiled the theme "ALCHEMY" for Zeal 2024 in a truly splendid manner.

After that within a short period most awaited performance of the inauguration the renowned social media influencer gang "Ourange Juice Gang" made a stylish entrance, keeping the audience eagerly awaiting. Their belated arrival only heightened the anticipation, and once on stage, their captivating performance left the crowd in awe, evident in the enthusiastic cheers and applause. After this fantastic performance the day concluded with an enchanting Dance Event featuring Solo, Duet, and Group performances, judged by our insightful dance judges Ms. Sarika Save and Mr. Baljeet Singh, who also declared the deserving winners of the event.

On the dynamic day of January 26, 2024, unveiling the exhilarating Day 2 of Zeal, a medley of enthralling events unfolded, encompassing Instrumentals, Vocals, Dumb Charades, snakes and ladders, and the captivating Traditional Day proceeded with graceful charm, seamlessly embracing cultural traditions and fostering a sense of unity. As the sun descended, the evening commenced at 6 pm giving highlights to our old event "Battle of Bands". Within a short time the event started and the whole college turned into a nostalgic concert of performers. After filling more melodious memories in it we started the

spellbinding spectacle, 'Symphony: A Rhythm Within' a unique platform dedicated to amplifying the talents of local artists. In its second year, Symphony showcased the exceptional abilities of artists like "Alchemy Band" & "Naksh Band", gracing the stage with their distinctive musical expressions. Their performances painted an exquisite canvas of harmony and magic, casting a spell that left the audience in awe. The evening evolved into a jubilant celebration of local artistry, resonating with soulful melodies that echoed in the hearts of all attendees.

On the culmination of Zeal 2024 ALCHEMY, the final day, January 27th, was a crescendo of vibrant events. From the spirited engaging Antakshari to the intellectually charged Facts and Furious, and the soulful Solo and Duet Singing competitions, Day 3 was a kaleidoscope of talent. Throughout all three days, participants immersed themselves in the Neon cricket, Neon carrom, Neon football, and LAN games like BGMI, Valorant, PS5, and COD Mobile, ensuring an entire spectrum of excitement for everyone. The grand finale of "War of DJs" unfolded and then we started with an electrifying EDM Concert headlined by the renowned DJ Kratex and DJ Sandy, accompanied by other talented artists. Their performances lit up the evening, leaving the audience in sheer delight. The emotional culmination came with the heartfelt Vote of Thanks delivered by the Dean of students affairs that is Dr. Madhvi Waghmare ma'am, evoking tears of joy and pride among the attendees.

The Students' Council, with their unwavering hard work and persistence, turned Zeal 2024 into a triumph with a footfall of over 4 thousand students during the whole ZEAL. As the curtains fell, the memories of this successful journey will be etched in the hearts of all who were part of this spectacular event.

**Dr. Madhavi Waghmare**  
**Staff Coordinator**  
**Students' Council**



## ETA

ETA, an Electronics and Telecommunication Engineer's Association committee, serves as the literature committee for the EXTC department, offering students a platform to stay informed about current and future technology trends.

One of ETA's key objectives is to foster students' research, writing, and editing skills, providing them with valuable opportunities to hone these abilities.

Over the years, ETA has made significant progress in fulfilling its core mission, focusing on technical skill development and emphasizing the importance of teamwork and the skills needed to create a magazine from the ground up.

By nurturing technical and soft skills, ETA contributes to the holistic development of students in the EXTC department, preparing them for success in their academic and professional journeys.

ETA has maintained its tradition of excellence by producing newsletters that are not only informative but also captivating. We've gone the extra mile by providing continuous updates for the ETA wall and introducing a compelling feature- alumni interviews. These interviews are a treasure trove of valuable insights, as they showcase the experiences and wisdom of our esteemed VCET alumni. Through thought-provoking questions, we delve into their career journeys, extracting essential tips, guidance, and a wealth of knowledge that students can leverage to navigate their own path towards a promising future.

These interviews are designed to empower and inspire the next generation of leaders in the field of electronics and telecommunications. ETA has been actively sharing knowledge throughout the 2023-24 academic year, releasing engaging newsletters on breakthrough topics like “Y2Q” and “Green Software.” The Y2Q newsletter explores the potential impacts of quantum computing's rapid advancements, preparing us for the “Quantum Era” in data security and processing. Meanwhile, the Green Software newsletter focuses on sustainable software practices, highlighting ways to reduce energy consumption in software development and usage.

The centerpiece, however, is the 14th edition of PULSE Magazine, PULSE'24, with its exciting theme, “VLSI: The Power of Miniaturization.” This edition offers readers a deep dive into VLSI (Very Large Scale Integration), a core technology in modern electronics that enables the miniaturization of complex circuits into efficient, compact chips. By integrating millions of transistors onto a single chip, VLSI has transformed computing power, energy efficiency, and portability, driving advancements in mobile devices, IoT, and high-performance computing. Through this innovation, powerful technology becomes increasingly accessible and scalable.

**Ms. Ashwini Katkar**  
**Staff In-charge**  
**ETA**



## GERMAN CLUB

In today's academic and professional landscape, students who possess proficiency in multiple languages are often recognized as exceptionally talented individuals. Such students are highly sought after by reputable companies, and this is precisely why our college initiated the establishment of the 'German Language Club' in 2016- a move that has been warmly embraced by students across various departments.

Learning a foreign language can be a transformative experience for students, offering a multitude of benefits for both personal development and career advancement. This is particularly pertinent as a considerable number of core companies operate in Germany, presenting an excellent opportunity for students to secure employment there through the acquisition of the German language. Furthermore, for students aspiring to pursue higher education in foreign countries, mastering this language can prove to be a significant asset in gaining admission to prestigious institutions abroad.

Upon joining this club, students embark on a journey to acquire German vocabulary, ultimately leading to the development of fluent communication skills in German. Remarkably, German-based companies actively seek individuals who possess proficiency in this language, making our club an excellent avenue for students to enhance their employability. The course structure has been meticulously designed to equip students with the necessary skills to attempt the A1 certification successfully. Another compelling advantage of this course is its affordability.

While other training institutes typically charge around Rs. 15,000 for similar programs, our students can access the same course for approximately Rs. 3,000, ensuring accessibility for a wider range of learners.

Here are some key reasons why learning German is a valuable endeavor:

- **Travel and Mobility:** Proficiency in German eases transitions for engineers involved in international work or travel, enhancing their job mobility and overall work experience.

- **Admission to German Universities:** Many universities in Germany offer Master's programs in engineering and related fields. While some programs are taught in English, knowing German can broaden your options. Proficiency in German can make you eligible for a wider range of programs, including those with German as the primary language of instruction.

- **Multinational Companies:** Proficiency in German is valuable in Indian engineering jobs because it enables effective communication with German-based multinational companies like Siemens, Bosch, and Volkswagen, enhancing collaboration and client interactions.

- **Global Collaboration:** Knowing German aids in seamless communication with international engineering teams and clients, as it's widely spoken in Europe, facilitating smoother collaboration and project execution.

- **Engineering Excellence:** Germany is renowned for its global leadership in the field of engineering, making proficiency in German highly desirable for engineering students seeking international career opportunities.

In summary, acquiring a new language, such as German, can unlock a world of opportunities and broaden your perspective in ways you may not have encountered otherwise. Beyond personal growth, proficiency in German can significantly enhance students' professional, economic, and social prospects, making it a worthwhile investment in their education and future career.

**Mr. Yogesh Pingle**  
Staff In-charge



## VCET AIRNOVA

Team Airnova is the official Aeronautics and Aerospace team of Vidyavardhini's College of Engineering & Technology. Established in 2019 and officially recognized by the institution in 2020, the team is dedicated to promoting awareness about technological advancements in the aviation and spacecraft sectors. Under the guidance of the faculty in-charge, Prof. Vishwas Palve, and with the support of other faculty members, the team has actively participated in various prestigious competitions, showcasing its commitment to innovation and excellence in aeronautical engineering.

Team Airnova attended a two-day workshop on Quadcopters at IIT Bombay on December 26th and 27th, 2023. The workshop offered hands-on experience in designing, assembling, and operating quadcopters, with sessions on aerodynamics, flight dynamics, and programming flight controllers. Participants gained practical skills, explored drone technology applications across industries, and engaged in networking with experts. A live demonstration of an advanced agricultural drone highlighted the event.

In Drone Application Hackathon the project presents the development of a gas sensor drone designed to monitor industrial emissions, addressing the growing need for effective air quality management. Utilizing the Raspberry Pi Pico microcontroller and a range of gas sensors, the drone detects and measures pollutants from industrial facilities. The paper discusses the system architecture, sensor integration, data acquisition, and transmission methods, while highlighting the potential applications and future enhancements for improved emissions monitoring.

Teams Participation, Achievements(Between 01/07/2023 - 30/06/2024):

Sr. No.	Event Participated/ Achievements	Dates
1	Drone Application Hackathon	05/04/2024

Teams Motto and Mantra:

The team serves as a platform that brings together engineering students from various disciplines to collaborate on the design and manufacturing of Remote Controlled (RC) Aircrafts and Unmanned Aerial Vehicles (UAVs). The primary objective is to participate in prestigious competitions that challenge teams to create innovative UAVs and aircrafts. These competitions emphasize not only the technical aspects of designing and building, but also focus on producing solutions that are practical and relevant to current industry trends. By staying updated with the latest advancements in aerospace technology, the team aims to develop aircraft and UAV designs that can be feasibly implemented in real-world industry applications. This collaborative environment fosters learning, innovation, and hands-on experience in the ever-evolving field of aviation technology.

**Mr. Vishwas Palve**  
**Staff In-charge**  
**AIRNOVA**



## HACKATHON

The Hackathon Committee of the Information Technology Department has been the driving force behind our college's prestigious technical event for the past six years.

With a commitment fostering innovation and technical prowess, this dedicated team orchestrates an intense 30-hour coding marathon that challenges participants to push their limits and unleash their creative potential. Following the challenges of the lockdown, Hackathon 2023 emerged as a phenomenal success, bringing together innovation and collaboration to create an unforgettable event.

Their unwavering dedication and organizational skills have consistently delivered an event that fosters collaboration, learning, and the pursuit of groundbreaking solutions. The committee continues to inspire and challenge participants to push the boundaries of technological innovation.

Details of organized event

Sr. No.	Event Name	Dates
1	VCET Hackathon 2023	06/10/2023 & 07/10/2023

Committees Motto and Mantra:

1. To Orient Students Towards Building A Team.
2. To Orient Students Towards Innovative Thinking.
3. To Expose Students to Professional Business Applications.
4. To Drive Students Towards Tireless Pursuit of Problem-Solution

**Dr. Archana Ekbote**  
**Hackathon Co-ordinator**  
**(VCET Hackathon 2023)**

## ITECH

ITECH is the departmental committee that provides an opportunity to the budding engineers of VCET to enhance their knowledge about the advancement in technology. ITECH looks after the technical activities as well as the academic interest of the students pursuing engineering degrees in VCET. We aim at keeping the students updated with the latest enthralling technologies and advancements.

The goal of education is not to increase the amount of knowledge but to create the possibilities for students to invent and discover new technical trends. And for good ideas and true innovation, you need human interactions, conflicts, arguments, and debates.

This results in a team of budding engineers who put in their efforts for ITECH Magazine and Newsletter.

ITECH has taken a step forward by transforming its publication 'LOGIN: to explore' from a magazine to a digitized platform. The articles of ITECH are published on the VCET website. This committee has also released the departmental NEWSLETTER, which includes news articles related to advanced technical scenarios in the global markets.

**Ms. Snehal R. Mhatre**  
**(Staff Incharge - ITECH)**





## NSDC

The National Student Data Corps (NSDC) stands as a beacon of opportunity, ushering students into the vibrant world of data science within a nurturing community. With a keen eye to ward empowering underserved institutions and students, NSDC offers a transformative journey filled with resources and support. At its heart lies the NSDC Founding Committee, a dynamic assembly of 24 luminaries hailing from academia, industry, and nonprofits. Their collaborative spirit fuels the creation of a pioneering platform, uniting diverse perspectives to craft a groundbreaking program in data science, set to redefine inclusivity and innovation.

Details of organized event

Sr. No.	Event Name	Date
1	Inauguration of Committee	14th Sept 2023
2	TechX Product Showcase	15th Sept 2023
3	Code-O-Fiesta	26th Sept 2023
4	Expert Lecture on Power BI	1st Mar 2024
5	TechBlitz	15th Mar 2024
6	Oscillations	5th April 2024
7	VNPS	6th April 2024

Event Descriptions:

- Inauguration of Committee (14th Sept 2023): The National Students Data Corps (NSDC) student chapter was inaugurated under the Department of Artificial Intelligence and Data Science at Vidyavardhini's College of Engineering and Technology. Chief Guest Mr. Rahul Mhatre, along with faculty members, guests, and students, gathered to witness this pioneering initiative aimed at leveraging data for transformative change.

- TechX Product Showcase (15th Sept 2023): The NSDC organized its inaugural event, the Product Showcase 'Tech X', inaugurated by Chief Guest Akshay Bharambe. The event highlighted technical products integrating machine learning, AI concepts, and database management systems, including Parking Pal, Solomon CMS, and Binaural Beats.
- Code-O-Fiesta (26th Sept 2023): A coding competition showcasing students' technical skills, graced by Chief Guest Mr. Amit Manjarekar. Participants competed in multiple rounds, with team LogicLab as runners-up and team Codex crowned winners.
- Expert Lecture on Power BI (1st Mar 2024): Conducted by Ms. Isha Prakash, Data Science Domain Head at Testriq, the session provided insights into Power BI's features, data visualization best practices, and real-time applications.
- TechBlitz (15th Mar 2024): A challenge event emphasizing web development using AI, UI/UX design, and data science using AI. It showcased students' technological prowess and innovative solutions.
- Oscillations (5th April 2024): A prestigious technical paper presentation event in collaboration with IETE Mumbai Centre, featuring six tracks, including AI, IoT, and Indigenous Knowledge Systems. Participants were evaluated based on originality, technical content, and presentation.
- VNPS (6th April 2024): A National Level Project Showcase at VCET, featuring advancements in Data Science, AI, ML, Robotics, IoT, and NLP. Projects addressed real-world challenges and emphasized the transformative potential of emerging technologies.

**Ms. Bhavika M. Gharat**  
(Staff Incharge - NSDC)



## ANDROID DEVELOPMENT CLUB

The Android Development Club is a dedicated student-run platform for exploring and mastering mobile application development. Its primary mission is to equip students with the technical expertise required to design, develop, and deploy Android applications while fostering innovation and creativity. By offering hands-on training, the club empowers members to transform their ideas into functional apps that address real-world problems.

The club organizes regular workshops, coding bootcamps, and interactive sessions to introduce members to essential tools like Android Studio and programming languages such as Kotlin and Java. Students are guided through the complete lifecycle of Android development, including UI/UX design, backend integration, and testing. The focus on practical, project-based learning ensures that participants not only grasp theoretical concepts but also gain hands-on experience in creating impactful applications. Through collaborative projects, members work in teams to develop applications that are both innovative and functional. These projects often align with emerging trends and technologies in the Android ecosystem, providing students with industry-relevant experience.

The club also serves as a bridge between academia and industry, encouraging members to participate in hackathons, coding competitions, and collaborative projects with real-world applications. By engaging with industry professionals through guest lectures and mentorship programs, students gain insights into current trends and best practices in Android development, preparing them to excel in the dynamic tech industry. This initiative plays a crucial role in shaping future-ready developers. By fostering a community of passionate learners and creators, it provides a platform for students to hone their skills, build their portfolios, and prepare for successful careers in mobile application development.

Throughout the academic year, the club conducted several key events to enhance students' learning and exposure. The Android Roadmap Seminar provided a comprehensive overview of the essential skills and tools required for Android development. The Kotlin SDP offered intensive training on Kotlin, helping students develop proficiency in the modern programming language used for Android apps. The Flutter Fever Seminar introduced the cross-platform framework Flutter, enabling students to explore efficient ways of building apps for both Android and iOS. The Auto String - Auto Insights Project, a live project, allowed students to gain real-world experience by working on mobile applications in an industry-like setting. Lastly, the Chetan Dry Fruits – Retail Konnect Project was built using Flutter Flow, giving students the opportunity to work on a live retail management application and learn the nuances of business-driven app development.

Details of organized event (Between 01/07/2023 - 30/06/2024):

Sr. No.	Event Name	Dates
1	Android Roadmap Seminar	12/10/2023
2	Kotlin SDP	15/01/2024
3	Flutter Fever Seminar	21/03/2024
4	Auto String - Auto Insights Project (Live Project)	25/07/2023
5	Chetan Dry fruits – Retail Konnect Project (Flutter Flow)	26/01/2024

Clubs Motto and Mantra:

The **Android Development Club** is a student-driven initiative focused on developing technical skills and fostering creativity in mobile app development.



The club provides a platform for students to transform their ideas into functional Android applications through hands-on learning. Guided by the motto, “Code. Create. Innovate,” the club offers workshops, coding bootcamps, and collaborative projects. Members gain proficiency in tools like Android Studio, Kotlin, and Java, while exploring advanced concepts such as Jetpack Compose and Firebase integration, ensuring they acquire industry-relevant skills.

With the mantra, “Empowering ideas through Android development,” the club nurtures innovation and teamwork. Through real-world projects, students tackle challenges, preparing them for successful careers in mobile app development. By fostering a collaborative environment, the club helps students enhance their creativity, build expertise, and make meaningful contributions to the tech landscape.

**Mrs. Sneha Mhatre**  
(Staff In charge – ADC)

## EBSB COMMITTEE

Short Description of the committee:

The Ek Bharat Shreshtha Bharat (EBSB) committee is a flagship initiative by the Government of India, aimed at promoting national integration and strengthening the fabric of unity amidst the country’s rich diversity. At its core, the committee strives to foster mutual understanding and cultural exchange between states, and in our institution, it focuses on enhancing the bond between Maharashtra and Odisha.

The EBSB committee works to bridge cultural gaps and provide students with an in-depth understanding of the traditions, customs, art, and history of both states. Through various activities, the committee creates platforms for students to experience the unique cultural identities of Maharashtra and Odisha, fostering a spirit of unity, respect, and national pride. These initiatives not only educate but also inspire students to appreciate the diverse cultural landscape of India, promoting inclusivity and social harmony.

The committee organizes a series of engaging events that encourage creativity, intellectual growth, and collaborative learning. By participating in these events, students develop essential skills, including leadership, teamwork, and cultural empathy.

The EBSB committee’s activities aim to create cultural ambassadors who uphold the values of unity and diversity, contributing positively to society.

Details of organised event (Between 01/07/2023 - 30/06/2024):

The year’s activities began with Jigyasa 2.0, an inter - departmental quiz competition designed to test students' knowledge of the rich cultural heritage of Maharashtra and Odisha. Teams of three students each participated in this intellectually stimulating event, competing through multiple rounds that covered a broad spectrum of topics. Questions explored various aspects of the two states, including history, festivals, art forms, literature, and notable personalities.

The competition included rounds that challenged participants' factual knowledge and quick thinking, fostering a spirit of healthy competition and collaborative learning. Topics ranged from the Bhakti movement in Maharashtra, focusing on figures like Sant Tukaram and Shivaji Maharaj, to the significance of the Jagannath Rath Yatra



in Odisha. The students demonstrated enthusiasm and cultural awareness, making the event an engaging and educational experience. The Computer Department emerged victorious, showcasing their depth of knowledge and teamwork. Jigyasa 2.0 was more than a competition; it was a celebration of the shared heritage and distinct cultural identities of Maharashtra and Odisha.

The second event, Aakar, was an artistic and creative clay modeling competition that captivated the imagination of students. Participants were tasked with sculpting idols of Lord Ganesha, blending elements from both Maharashtrian and Odia traditions. This event aimed to highlight the craftsmanship and artistic skills of the students while providing them with a deeper understanding of the cultural significance of Ganesh Chaturthi and similar traditions in Odisha.

The participants showcased their talent by crafting intricate and beautifully detailed Ganesha idols, each representing unique cultural aspects of both states. The competition encouraged students to express their creativity and respect for traditional art forms. The atmosphere was filled with enthusiasm and reverence as students engaged deeply with the cultural narratives behind their creations. Aakar not only fostered artistic expression but also promoted the preservation of traditional craftsmanship, reinforcing the importance of cultural heritage in contemporary times.

The final event of the year was Sanrachana, a miniature model-making competition that celebrated the architectural grandeur and cultural heritage of Odisha. Participants meticulously crafted models of iconic Odia landmarks, such as the Konark Sun Temple, Jagannath Puri Temple, and traditional Odia art forms. This event provided a platform for students to explore and represent the architectural brilliance and cultural depth of Odisha.

The models reflected the participants' research, creativity, and attention to detail, transforming the

venue into a vibrant exhibition that showcased the rich cultural legacy of Odisha. Sanrachana was more than an art competition- it was an educational journey that allowed students to connect with history and heritage on a deeper level. The event fostered a sense of pride and respect for India's architectural heritage, encouraging students to appreciate the importance of preserving cultural monuments and traditions.

List of Events :

Sr. No.	Event Name	Dates
1	Jigyasa 2.0	13/09/2023
2	Aakar	15/09/2023
3	Sanrachna	22/03/2024

Committees Motto and Mantra:

The EBSB committee operates with the motto, "Unity in Diversity," reflecting the importance of embracing cultural differences and fostering mutual respect. Through its various initiatives, the committee encourages students to explore diverse traditions, promoting a sense of national unity and shared heritage.

The committee's mantra, "Inspire. Innovate. Implement," embodies its core values. The committee aims to inspire students by exposing them to the richness of India's cultural landscape, encouraging them to innovate through creative expression and intellectual engagement. Finally, it emphasizes the importance of implementing these learnings in everyday life, encouraging students to become ambassadors of unity and cultural preservation.

**Dr. Archana Ekbote**  
**Co-Ordinator**  
**EBSB - VCET**



## MICROSOFT LEARN STUDENT CLUB (MLSC)

### Short Description of the Committee:

Microsoft Learn Student club, is a technical club which is dedicated to elevating the coding culture at Vidyavardhini's College of Engineering and Technology by mentoring and motivating its members to refine their critical thinking, logical reasoning, and coding skills into making them unrivalled! We offer to spread technical knowledge about the current advancements through a peer-to-peer learning strategy. We as a club have like-minded individualists who encourage students to develop and volunteer in making open-source projects, participate in various technical events and conduct comprehensive seminars.

The Microsoft Learn Students Club (MLSC) serves as a dynamic hub for student learning and collaboration. Through workshops like React JS Mastery and Azure Fundamentals Challenge, MLSC empowers students with hands-on experiences and expert guidance. Participants receive completion certificates, skill badges, and access to premium resources. MLSC's commitment extends to cultivating an environment for thriving learning journeys, focusing on emerging technologies, skill development, and networking. The impactful workshops equip participants with practical knowledge, facilitating their navigation in the ever-evolving tech landscape.

### Details of organized event (Between 01/07/2023 - 30/06/2024):

Sr. No.	Event Name	Dates
1	Orientation	08/09/2023
2	Fundamentally Azure Cloud Skill Challenge	26/09/2023 – 17/10/2023

3	ReactJS Workshop	08/10/2023-10/10/2023
4	Guest Lecture by Scogo Networks	20/02/2024
5	SQL Workshop by Kantascrypt	22/02/2024
6	Coherence 1.0	23/03/2024-24/03/2024

### Committees Motto and Mantra:

The committee operates under the inspiring motto, "For the love of Coding and Innovation," reflecting its passion for fostering creativity and technological advancement. Guided by the empowering mantra, "Learn. Innovate. Lead," it emphasizes continuous learning, transformative innovation, and impactful leadership as its core principles.

**Ms. Priti Rumao**  
**Staff In-charge**  
**MLSC VCET**



## NSS COMMITTEE

### Short Description of the committee:

Our college initially had the Udaan Committee, which played a pivotal role in fostering student engagement and social initiatives. From 2019 onwards, we introduced the NSS unit in our college, further strengthening our commitment to community service and youth development. The Udaan Committee continues to operate as an ancillary to the NSS unit, complementing its activities and ensuring a holistic approach to addressing societal challenges and instilling a spirit of volunteerism among students. This integrated framework enables us to effectively channel our collective efforts towards meaningful social impact and personal growth.

### Details of organised event (Between 01/05/2023 - 30/04/2024):

Between 2023 and 2024, a range of impactful events were organized by the National Service Scheme (NSS) to promote community welfare, environmental sustainability, and civic engagement. The events included Road Safety Rally (May 2023), Tree Plantation drive (June 2023), and the celebration of Yoga Day (June 2023), encouraging public awareness and healthy living.

Initiatives like No Drug Abuse Seminar (June 2023) and Blood Donation Camp (October 2023) focused on health and societal issues, while the Meri Maati Mera Desh campaign (August 2023) involved pledge, tree plantation, and soil collection to honor the nation. Independence Day and Republic Day celebration underscored national pride, and Beach Cleaning Drive (September 2023) as well as Energy Conservation Rally (January 2024), Gaushala visit, Anti human trafficking seminar reinforced the importance of environmental stewardship and social awareness. In rural outreach, NSS conducted activities in Makunsar Village, Saphale, including a voter awareness rally, Voter ID registrations, an

Educational film was shown to school students to encourage civic participation. Additional initiatives, such as sports and literary events, team-building activities, and health check-up camp, provided community development opportunities. Seminars on topics like organ donation, and breast cancer awareness addressed vital social and health concerns, while Mega Donation drive reinforced NSS's mission of service and compassion. These activities highlighted NSS's commitment to fostering personal and community growth through volunteerism, health awareness, environmental conservation, and national unity.

### Lists of Events:

Sr. No.	Event Name	Dates
1	Road Safety Rally	21/05/2023
2	Tree Plantation	04/06/2023
3	Yoga day	21/06/2023
4	No Drug Abuse Seminar	26/06/2023
5	Water Conservation Rally	11/08/2023
6	Independence Day	15/08/2023
7	Meri Maati Mera Desh-Tree Plantation	15/08/2023
8	Ek Bharat Shreshta Bharat- Clay Modeling Competition,quiz	13/09/2023



9	Beach Cleaning Drive	16/09/2023
10	Mega Donation Collection	27/09/2023
11	Shramdaan	01/10/2023
12	Fit India Swachhata Freedom Run	05/10/2023
13	Blood Donation	11/10/2023
14	Unity Day	31/10/2023
15	Constitution Day	26/11/2023
16	Anti Human Trafficking Seminar	11/01/2024
17	Energy Conservation Cycle Rally	12/01/2024
18	Republic Day	26/01/2024
19	Digital Survey	01/02/2024
20	Gaushala Visit	17/02/2024
21	Electoral Literacy Club – Powada	24/02/2024
22	Ek Bharat Shreshta Bharat- Sanrachna	22/03/2024
23	Gobardhan Visit at Makunsar Village, Saphale	01/03/2024
24	Voter Awareness Rally and registration at Makunsar Village, Saphale	01/03/2024
25	Educational Film for Secondary School students at Makunsar Village, Saphale	02/03/2024

26	Vishramgruha and Aarogyadham Visit at Kelve Village	02/03/2024
27	Sadguru Shree Padmanabhsaami Gurukul Visit at Makunsar Village, Saphale	03/03/2024
28	Civil Survey at Makunsar Village, Saphale	03/03/2024
29	Team Building Sports Activities at Makunsar Village, Saphale	03/03/2024
30	Sports and Literary Events at various Schools, Makunsar Village, Saphale	04/03/2024
31	Seminar on Organ Donation, Blood Donation and Anti-supersition at Makunsar	04/03/2024
32	Health Check-up Camp at Makunsar Village, Saphale	05/03/2024
33	Breast Cancer Awareness Seminar at Makunsar Village, Saphale	05/03/2024
34	Street Play for Villagers at Makunsar Village, Saphale	05/03/2024
35	Students Felicitation at Makunsar Village, Saphale	06/03/2024
36	Seminar on Basic Electrical Engineering at Adarsh Vidyamandir Technical	06/03/2024



Committee's Motto and Mantra:

The National Service Scheme (NSS) motto, "Not Me, But You," embodies the principle of selfless service and altruism. It urges volunteers to prioritize the welfare of others and their community over personal gains. This motto has become a guiding principle for NSS volunteers, inspiring them to participate in a wide range of community service activities, promote social responsibility, and

cultivate empathy and unity across diverse backgrounds. Ultimately, "Not Me, But You" symbolizes the NSS mission of fostering both personal growth and societal transformation through volunteerism and the spirit of giving.

**Dr. Pradip Gulbhile**  
**Program Officer**  
**N.S.S.**

## PR (PUBLIC RELATIONS)

Short Description of the committee: As once William Bernbach said "Nobody counts the number of ads you run; they just remember the impression you make." and we firmly believe in this at Vidyavardhini's College of Engineering & Technology, Vasai. Our PR (Public Relations) team is an example of the amazing influence that well-managed public relations can have. We are proud to share our journey and accomplishments while representing our college to the world.

Our public relations team takes responsibility for VCET's public image and works hard to connect the college with a larger audience. We ensure that every significant moment at VCET is shared with the world via articles, live videos, and media coverage thanks to strategic collaborations with media partners. We extend our heartfelt gratitude to our esteemed Principal, Dr. Harish Vankudre, for entrusting us with this pivotal role in representing our institution.

We have had the opportunity to cover and feature major events at VCET over the years, including VNPS, VCET Product Showcase, Zeal, Degree Certificate Distribution Ceremony, and many more. These occasions have not only highlighted the extraordinary abilities and accomplishments of our teachers and students, additionally they have also helped VCET achieve recognition and grow its profile in the academic community.

One of our proudest achievements has been the collaboration with esteemed media partners such as Maharashtra Times, Lokshahi, Loksatta, ZEE 24 Taas, Sakal, and others.

We have had the honor of having multiple articles published in these esteemed newspapers thanks to these partnerships, which has increased VCET's visibility even more. Furthermore, we have had the privilege of having these media outlets visit our campus, enabling live coverage of VNPS 2023 and providing a window into the dynamic and vibrant atmosphere that characterizes VCET for the global audience.

Committee's Motto and Mantra:

The PR (Public Relations) Committee at VCET is dedicated to building a strong and positive image of the college. Through media collaborations, event coverage, and strategic storytelling, we ensure that VCET's achievements and milestones reach a wider audience. Our goal is to showcase the vibrant and dynamic culture of our institution while strengthening its reputation in the academic world.

**Dr. Archana Ekbote**  
**Staff Incharge**  
**PR Committee**





## Team VCET Centurions

Short Description of the team: VCET Centurions, a team from Vidyavardhini's College of Engineering and Technology, is dedicated to manufacturing ATVs with the assistance of local vendors. The team regularly participates in national-level competitions such as QBDC and Quad Torc. Team centurions provide a platform for enthusiastic students from different branches who strives to uphold hard work, dedication, and teamwork to help solve the various problems and learn through them during design, manufacturing, testing and presentation. Thus, the team provides a suitable and rich environment for the members to help each other to grow and develop as an engineer.

The team has competed in the National Level Quad Torc and QBDC competition with 3 expertly crafted ATVs since 2016. The team's vision is to contribute to the growth of agriculture sector, off-road motorsports in India for a better future. They strive to enhance the learning experience of students by applying engineering principles and concepts in the process of building a ATVs. The team's mission is to promote innovation and continuously improve their designs.

Quad Torc is an off-road design challenge that provides an opportunity to the students to conceive, design, and fabricate a four-wheel configuration quad bike (ATV) powered by a 250cc engine under a preset of rules and regulations.

Quad Bike Design Challenges (QBDC) is the one-of-a-kind competition that offers engineering students an exceptional opportunity to dive deep into fascinating world of vehicle design.

Whether you dream of designing the next groundbreaking quad bike or simple wish to broaden you're engineering know, QBDC provide the ideal platform to fulfil your aspirations.

The Competition involves competing an off-road category of ATVs vehicle in areas of

- Engineering design

- Overall cost
- Feasibility
- Dynamic performance

The purpose of this competition is to encourage students to gain hands-on exposure of off-road ATVs while applying engineering concepts, collaborative learning, mentorship from Industrial experts.

Teams Participation, Achievements:

Sr. No	Event Participated/ Achievements	Dates
01	QUAD TORC, Bhopal - 09th AIR - 04th Rank in Business Plan - 06th Rank in Cost Repor	03/08/2023- 07/08/2023

Teams Motto and Mantra:

"Team Centurion's motto, "Built for the ultimate limits, victory is our goal", We takes pride in pushing the boundaries of engineering design and off-road capability. Every vehicle they create is crafted with the knowledge that it must endure rugged terrains, unpredictable weather, and extreme physical stress. Once the design is perfected, it moves to the manufacturing phase, where every part of the ATV is carefully constructed and assembled with precision. We value craftsmanship as much as engineering theory, ensuring that every bolt, weld, and component is flawlessly executed. Mantra, "Precision, Power, Performance", serves as a constant reminder of the qualities they strive to imbue into each machine. The vehicles are built not only to survive but to conquer the challenges of off-road competition.

**Omkar Hatkar (Team Captain)**  
**Kamlesh Bachkar (Faculty Incharge)**  
**Team VCET Centurions**



## IEEE COMMITTEE

The IEEE Student Branch (IEEE-SB) at Vidyavardhini's College of Engineering and Technology (VCET) is dedicated to providing students with opportunities to enhance their technical expertise, leadership skills, and professional development. The committee bridges the gap between academic learning and industry requirements by organizing a wide range of activities such as technical workshops, seminars, industrial visits, competitions, and hands-on training programs.

The IEEE-SB at VCET actively fosters innovation, problem-solving, and teamwork by encouraging students to participate in projects that address real-world challenges. Through events like the FE Quiz, Robotics Workshop, and Workshop on LYX, students gain practical knowledge while developing critical thinking and collaboration skills. The committee also collaborates with industry experts and faculty members to introduce students to emerging technologies like VLSI, Digital Signal Processing, and Robotics.

By participating in events such as Anveshan'23 and Oscillations, students gain valuable exposure to industry applications. Vidyavardhini's National level Project Showcase (VNPS) offer a platform for students to demonstrate their skills and ideas. The primary objective of this event was to foster a research-oriented culture and promote experiential learning through project-based initiatives. Vidyavardhini's College of Engineering and Technology aimed to provide a platform for aspiring technical students nationwide to showcase their innovative projects and compete on a national level. Industrial visits to places such as Accurate Helical Springs and Tata Institute of Fundamental Research (TIFR) give students first-hand experience of real-world systems and processes. Furthermore, the IEEE-SB emphasizes global collaboration by connecting students to the vast resources and

networking opportunities available through IEEE membership.

Overall, IEEE-SB is committed to creating a learning environment where students can build their technical skills, engage in innovative projects, and grow as future engineering professionals.

Sr. No	Event Name	Dates
1	Anveshan'23 (with IETE-SF)	15/09/2023
2	FE Quiz	27/09/2023
3	Workshop on LYX	29/09/2023 - 30/09/2023
4	Webinar on Career Opportunities in VLSI	04/10/2023
5	Robotics Workshop	19/10/2023
6	CPLD Workshop	02/01/2024 - 12/01/2024
7	Webinar: Pathways to Success - Higher Education Overseas	08/03/2024
8	Oscillations (with IETE-SF)	05/04/2024
9	Vidyavardhini's National Level Project Showcase (VNPS) (with IETE-SF)	06/04/2024

Empowering tomorrow's engineers through knowledge, innovation, and collaboration."

The IEEE-SB strives to inspire students to explore new horizons in technology and to develop skills that prepare them for a rapidly evolving world. Through teamwork, innovation, and professional development, the committee promotes a culture of learning and excellence.

**Dr. Sunayana Jadhav**  
VCET IEEE-SB Incharge



## TEAM ETHAN RACING ELECTRIC

Short Description of the team: Ethan Racing is a group of undergraduate students who participate in the International Engineering design competition called Formula Student. Our team aspires to leave an indelible mark on the world of Formula Student Racing. We aim to establish a strong network among Indian teams and showcase our skills in conceptualizing, designing, manufacturing, and testing formula-style race cars. Our ultimate goal is to leave a significant mark in the world of motorsports.

The team has competed in the National Level Formula Bharat competition with five conventional cars, one prototype of an electric vehicle (EV), and one EV car since 2014. The team's vision is to contribute to the growth of electric mobility in India for a better future. They strive to enhance the learning experience of students by applying engineering principles in the process of building a formula-style race car. The team's mission is to promote innovation and continuously improve their designs.

The purpose of the Annual FSEV concept challenge is to provide team with an opportunity to conceptualize and design a Formula Student Electric Vehicle.

Formula Bharat is an Indian Formula Student-style engineering design competition in which students from colleges and universities all over the country.

The Competition involves competing a life-size formula-style vehicle in areas of

- Engineering Design
- Overall Cost
- Marketability
- Dynamic Performance

The purpose of this competition is to encourage students to gain hands-on practical experience, while applying engineering theories studied in the classroom.

Team's Participation, Achievements (Between 01/07/2023 - 18/09/2024):

Sr. No.	Event Participated/ Achievements	Dates
1	Formula Bharat 2024 - 17th All India Rank - 09th Rank in Business Plan - 15th Rank in Engineering Design	19/01/2024- 24/01/2024

Team's Motto and Mantra:

"Team Ethan's motto, 'Strength in Innovation, Excellence in Motion,' embodies our dedication to innovative engineering and unwavering commitment to excellence in the dynamic world of Formula Student racing. Our mantra, 'Steadfast Progress, Endless Innovation, Formula for Success,' underscores our relentless pursuit of progress, fostering a culture of endless creativity and institutionalizing innovation while aspiring to secure higher positions in Formula Bharat. We aim to inspire young minds to pursue engineering and set a standard for success through knowledge sharing, clear communication, and a steadfast approach to building superior Formula-Style Cars."

**Dewang Nimbare (Team Captain)**  
**Kamlesh Bachkar (Faculty Advisor)**  
**Team Ethan Racing Electric**



## TEAM VCET SOLECTION

Short Description of the team: Team VCET Solection, the official solar electric car team from Vidyavardhini's College of Engineering & Technology (VCET), is a student-run, non-profit group focused on designing autonomous solar electric vehicles. Our mission is to promote sustainable technology, tackle modern mobility challenges, and raise awareness about solar-powered transport, while gaining hands-on experience in engineering and business.

The team was established on 19th September 2017 by our respected seniors Mitesh Sawant and Mahendra Solanki with the motto of taking "A step towards sustainability". With just 18 automobile enthusiasts in the beginning i.e., season 1.0 backed by Prof. Swapnil Mane our Faculty Advisor, and now by Prof. Dipak Choudhari who supported our vision and made efforts for the betterment of the team.

Teams Participation, Achievements (Between 01/07/2023 - 30/06/2024):

Sr. No	Event Participated/ Achievements	Dates
1	SEVC 2024	25/03/24
2	MEGALEIO	MAR - APR
3	AVISHKAR-2024	05/04/24
4	PROJECTATHON	19/04/24
5	PRAGATI	JAN - FEB
6	IAC Sim Race	NOV - DEC
7	SCOE Project Competition	05/04/24

Triumph at SEVC (Solar Electric Vehicle Championship) From 27th to 31st March, our team took part in the esteemed Solar Electric Vehicle Championship (SEVC) held at MIT Manipal, Karnataka. Our journey was marked by numerous challenges, both in the development and manufacturing stages.

Manufacturing hurdles were significant, as we faced difficulties in fabricating the chassis and bodywork to meet our design specifications. Sourcing the right materials and ensuring precise assembly tested our technical skills and patience.

During the event, we also encountered a critical issue with the braking system, which impacted our performance. Despite the setback, our team's dedication and quick problem-solving abilities helped us address the issue promptly.

In the end, our hard work and determination were rewarded. We not only tackled every challenge but also secured several prestigious awards:

- Cost Award
- Future Startup Award
- Light Weight Award
- Hovering & Drag Award
- Manoeuvrability Award
- 6th All-India Rank

These achievements reflect our team's resilience and innovation, celebrating our success despite the obstacles we faced.

Business Plan Wins

We also excelled in business strategy competitions, securing:

- 1st Place at MEGALEIO 2024 (St. John College of Engineering, Palghar)
- 3rd Place at PRAGATI (St. Francis Institute, Borivali)
- 4th Place at Startup Quest (RAW Engineering, Virar)



## Autonomous Vehicle Achievements

In the field of autonomous technology, we achieved:

- 2nd Place at Projectathon 2.0 (Atharva College of Engineering, Malad).
- 1st Place at SCOE Project Competition (Saraswati College of Engineering, Kharghar)
- 9th Place in the IAC Sim Race (Indianapolis, US) (Online).

## Team's Motto and Mantra:

“A STEP TOWARDS SUSTAINABILITY”, Over the last couple of years, the popularity of unconventional sources of fuel, and their applications in the field of mobility has been a subject of interest of many engineers and students from across the globe. We, at Team VCET Solection aim to turn this concept into a reality and present our very own automobile venture, which will potentially be able to face the mobility challenges of modern India.

Our aim is to build highly efficient solar powered electric autonomous vehicles by inculcating the latest designs innovations.

## Looking Ahead

Our focus on pushing the boundaries of solar and autonomous vehicle technology continues, as we strive to develop innovative solutions for a sustainable future.

As 4 times National Champions, the team is looking forward to participating and competing with international teams, representing College and India on the International level. Currently, the Team has started with the research phase of Solection 6.1. The team is now waiting for the Bridgestone World Solar Challenge (Australia) 2027.

**Dipak Chaudhari**  
**Faculty In-Charge**  
**Team VCET Solection**

## PLACEMENT AND TRAINING CELL

The Training & Placement (T&P) Committee at Vidyavardhini's College of Engineering and Technology is a body which is responsible for carrying out all placements related activities. We are a team of highly dedicated faculties and students who work for a common goal of obtaining the desired placement offers for the students in terms of both profiles and organizations to work with. The Placement Committee looks in tasks like student skills development, soft skills training, student's skills-job mapping and placement related event organizing. Apart from these tasks, Training and Placement is also conduct mock group discussions and interviews which equip the students to face the placement interviews and be industry ready. The Placement Committee also plays an important role in developing and sustaining a long term mutually beneficial relationship with the industry.

Accordingly, for the academic year 2023-24, we conducted the following trainings and Seminars for the students.

- Campus Recruitment Training by Coding Genius Lab for 3rd Year Students.
- Mock Group Discussion and Personal Interviews for Final Year Students under CRT Training.
- Aspiring Minds Continuous assessment tests.
- Soft skills development Program.
- Competitive Exams Awareness Programs.
- Online Internship for students.

We had several breakthroughs records this year as 289 offers were made to students by 86 companies till 10th June 2024. Various students also got elite offers in various companies with the highest offer being 10 LPA at SoftwareAG. The average salary offered is 3.70 LPA



We at the Training & Placement cell are striving to take this alliance with industry at a higher level with passage of each year. We at VCET have tied up with Aspiring Minds, India's leading online assessment and hiring platform for PRE-ASSES tests and campus placements, and Coding Genius Lab which is a training institute providing Campus recruitment training and employability skill training.

Achievements for the Year 2023-24:

- Institute got TCS Priority accreditation.
- Received sponsorship from Celanese Pvt Ltd of ₹23.54 Lakhs for the setup of Robotics and Machine Diagnostic Labs at VCET.
- More than 51 students placed with packages greater than 5 lakhs per annum.
- The highest package of the year 2023-24 is 10 Lakh in SoftwareAG.

Name of Company	AI& DS	CIVIL	COMPS	CSE (DS)	EXTC	INSTRU	IT	MECH	Grand Total
A.R.S Energy Auditors								1	1
AARYAN STRUCTCON Pvt. Ltd		3							3
Accenture			1						1
Allwin Medical Devices								1	1
Amiand Consulting Pvt. Ltd		1							1



Name of Company	AI& DS	CIVIL	COMPS	CSE (DS)	EXTC	INSTRU	IT	MECH	Grand Total
Aqua Cool Co. Pvt. Ltd.								1	1
Arcon Techsolutions Pvt. Ltd.	1			1			2		4
Arihant Industrial Corporation Limited								2	2
Quickwork Technologies Private Limited	1								1
Assort Staffing Services(P) Ltd.						1			1
Avniro				1					1
B.J Mehta & Associates		1							1
Bristlecone	1		5	2	1		10		19
CleverTap			1	1					2
Cloudfronts							1		1
Davision Electronics					1				1
Dear Digital							3		3



Name of Company	AI& DS	CIVIL	COMPS	CSE (DS)	EXTC	INSTRU	IT	MECH	Grand Total
Deloitte			3						3
Detail Steels Design Solutions		1							1
DotSyndicate							1		1
Dr. Kelkar Designs Pvt Ltd		1							1
Ebco Private Limited								2	2
ECI Telecom India Pvt. Limited					1				1
EnPower					2				2
FeedSpot	3		9	6					18
Flo-rite Engineering Corporation								1	1
Frootle					1				1
GAIL India Ltd								1	1
Georg Fischer Piping Systems Pvt. Ltd								1	1





Godrej Infotech	2		1				1		4
Growhut technologies Private Limited	1								1
IBM			4						4
IDFC First Bank							1		1
Imaginarium India Pvt ltd								1	1
Infytrix	1			3	1		2		7
Interactive Brokers				1					1
Jacobs Solutions India Pvt. Ltd.						1			1
Jolly Clamps Pvt. Ltd								1	1
K P Shah Consulting LLP		1							1
Kalpataru Ventures		1							1
Key Tech Engineering Company								2	2
Kindcare Services							1		1
Konark Land Developers		1							1
Kulp Labs Private Limited	1								1
Kumar Metals Industries Pvt Ltd						2		6	8
LINIT EXPORTS PVT LTD								2	2
Lixil Window Systems Private Limited								1	1
LTI_Energy					1				1
M/s. Excelhone Manufacrting Pvt. Ltd								1	1
Mahindra Lifespaces		2							2
Mastek							1		1
MBE Enterprise Services LLP								1	1
Media.net			1				2		3
Neebal Technologies	2		7	5			8		22
Neosoft							1		1
Nvision			1						1
Otis International					1				1
Panam						1			1
Parle Global					1				1
Plus Business Machines Ltd.					1				1
Prama Hikvision India Pvt. Ltd.					9			8	17
Punctuations Pvt.Ltd			1						1



<b>Qspiders</b>	<b>4</b>		<b>8</b>	<b>16</b>	<b>1</b>				<b>29</b>
<b>Quantum Phinance</b>							<b>2</b>		<b>2</b>
<b>Rahul Engineering Company</b>								<b>1</b>	<b>1</b>
<b>Saffire Tech</b>			<b>1</b>		<b>1</b>				<b>2</b>
<b>Saint Gobain India Pvt Ltd</b>								<b>1</b>	<b>1</b>
<b>Savita Oil Technologies Limited</b>								<b>1</b>	<b>1</b>
<b>Schneider Electric</b>			<b>1</b>						<b>1</b>
<b>SHM Group</b>								<b>2</b>	<b>2</b>
<b>SoftwareAG</b>			<b>3</b>						<b>3</b>
<b>SUPREME N FORCE</b>		<b>1</b>							<b>1</b>
<b>Synergics Solutions</b>				<b>1</b>					<b>1</b>
<b>TCS</b>	<b>4</b>		<b>12</b>	<b>11</b>	<b>8</b>		<b>4</b>	<b>1</b>	<b>40</b>
<b>Tecnimont Private Limited</b>						<b>1</b>		<b>3</b>	<b>4</b>
<b>Telakunchi Networks Pvt. Ltd.</b>					<b>1</b>				<b>1</b>
<b>Testriq Lab LLP</b>	<b>3</b>								<b>3</b>
<b>Titanium Washers</b>					<b>1</b>				<b>1</b>
<b>Ubiquitous Signs Pvt.Ltd</b>								<b>7</b>	<b>7</b>
<b>Unisource Packaging Pvt Ltd</b>								<b>1</b>	<b>1</b>
<b>Unita Enterprises</b>		<b>5</b>							<b>5</b>
<b>Varvali Systems</b>							<b>1</b>		<b>1</b>
<b>VDS Advisory</b>		<b>2</b>							<b>2</b>
<b>Vodaphone Idea</b>					<b>1</b>				<b>1</b>
<b>Wattera Industries Ltd</b>					<b>1</b>				<b>1</b>
<b>Zeus Learning</b>			<b>3</b>	<b>2</b>			<b>2</b>		<b>7</b>
<b>Grand Total</b>	<b>24</b>	<b>20</b>	<b>62</b>	<b>50</b>	<b>34</b>	<b>6</b>	<b>43</b>	<b>50</b>	<b>289</b>



## CSI COMMITTEE

### Short Description of the committee:

The Computer Society of India (CSI) is the first and largest body of computer professionals in India, with its VCET students chapter established in 2003. As a prestigious technical committee, CSI-VCET is committed to fostering a strong coding culture and enhancing students' technical skills. It represents a joint initiative of the departments of Computer Engineering, IT, and CSE(DS), organizing various activities to help students stay abreast of technological trends and developments in the IT industry.

To achieve its objectives, CSI-VCET conducts technical seminars, workshops, coding competitions, project showcases, and other interactive sessions. These events introduce students to emerging technologies, provide hands-on learning opportunities, and encourage collaboration and networking. CSI not only focuses on empowering students with technical expertise but also promotes holistic development, inspiring them to transform ideas into impactful projects.

By being part of CSI-VCET, students gain valuable experience, develop innovative solutions, and become part of a vibrant community of future leaders and innovators in technology, preparing them to excel in their professional journeys.

### Details of organized event (Between 01/07/2023 - 30/06/2024):

The Computer Society of India (CSI) organized several impactful events to promote technical excellence and bridge the gap between academia and industry. These included Abacus, Elixir, and Product Vidya, which showcased industry-driven products. The initiative continued with seminars on AWS and JavaScript, along with events such as VNPS and Oscillations, all designed to foster creativity and enhance technical skills.

Product Showcase is an exciting event where students present products sourced directly from the industry, offering a unique opportunity to explore real-world innovations. The event is divided as: Abacus by the Computer Engineering Department, showcasing cutting-edge tech solutions; Elixir by the IT Department, featuring advanced IT products; and Product Vidya by the CSE(DS) Department, focusing on data science and analytics-driven products. These events bridge academic learning with industry trends, allowing students to engage with and learn from the latest technological advancements.

The seminar, "Unlocking the Power of AWS: Building and Hosting Your Website in Real-Time," led by Mr. Ahmed Shaikh, provided a hands-on introduction to using AWS for web hosting. Students learned to create web servers and deploy websites in real time, with a live demo showcasing the process of making a site publicly accessible. By the end, participants gained practical knowledge of AWS tools to build dynamic, scalable web solutions.

The seminar, "The World of JavaScript Frameworks," conducted by Mr. Yagnesh Devashrayee, explored popular frameworks like React, Angular, and Vue.js. Students learned their key features, benefits, and use cases, along with practical tips for choosing the right framework and building dynamic, scalable web applications. It ensured that participants were equipped with essential knowledge to effectively leverage these frameworks in their projects.

Oscillations is a technical paper presentation competition. This event provides a platform for students to research and submit papers on topics related to various engineering and IT fields. Participants get the opportunity to showcase their work, receive feedback from experts, and engage in meaningful discussions



Vidyavardhini's National Level Project Showcase (VNPS) is a prestigious annual competition organized by VCET, where students present their innovative projects to a wider audience. The event brings together teams from various disciplines to showcase their ideas in areas such as cloud computing, AI, IoT, and more. VNPS provides a platform for students to receive constructive feedback from industry experts and peers. It encourages creativity, collaboration, and technical excellence, inspiring students to think outside the box. With wide participation and recognition, VNPS serves as an opportunity for students to demonstrate their skills and gain valuable exposure in the tech community.

#### List of Events:

Sr. No.	Event Name	Dates
1	Abacus	15/09/2023
2	Elixir	15/09/2023
3	Product Vidya	15/09/2023
4	Seminar on "Unlocking the Power of AWS"	12/10/2023
5	Seminar on "The World of JavaScript Frameworks"	13/02/2024
6	Oscillations	05/04/2024
7	VNPS	06/04/2024

#### Committee's Motto and Mantra:

CSI committee is dedicated to empowering students by bridging the gap between theoretical knowledge and practical application in the ever-evolving world of technology. Its motto, "Empowering Students with Knowledge, Technology, and Innovation," underscores its commitment to equipping students with the skills and expertise needed to excel in cutting-edge fields, paving the way for successful and fulfilling careers.

The mantra, "Inspire. Innovate. Implement," encapsulates the committee's core values. It strives to ignite creativity and curiosity in students by exposing them to groundbreaking technological advancements, fosters a culture of innovation by encouraging them to think critically and solve real-world challenges, and emphasizes hands-on learning to help them transform ideas into impactful solutions. Through its initiatives, CSI ensures students are not only prepared for industry demands but also inspired to become future leaders and change-makers in technology.

**Ms. Swati Varma**  
**Branch Counsellor (COMP)**  
CSI-VCET

**Ms. Maya Varghese**  
**Branch Counsellor (CSE(DS))**  
CSI-VCET

**Ms. Pragati Patil**  
**Branch Counsellor (IT)**  
CSI-VCET



## TEAM VCET EMECHTO

The official E-bike team of Vidyavardhini's College of Engineering & Technology. Team VCET EMECHTO was established in 2019, team revs up the future of sustainable mobility. The first-generation team Captain-Mahendra Solanki was behind this green concept of personal transportation. With boundless innovation, we conquer national and international events, leading the revolution in sustainable two wheels. EMEchto is an innovative team specializing in the design and manufacturing of electric bikes. As a dedicated team under VCET, we are committed to revolutionizing the riding experience through advanced electric bike technology. Team is a future oriented team, composed of students from various domains of courses with an ultimate vision to design and manufacture a practical and efficient Electric bike which will have the potential to face the modern mobility challenges of a rapidly changing world. The bikes are equipped with powerful and energy-efficient motors that offer a smooth and responsive ride, the state-of-the-art battery systems to provide long-lasting performance and quick charging capabilities. Team commitment to sustainability is reflected in the use of recyclable materials and energy-efficient manufacturing processes.

### Teams Participation, Achievements

Sr. No.	Event Participated/ Achievements	Dates
1	ASIAN E-BIKE CHALLENGE 2019 12th All India Rank	25/09/2019
2	SIEP E-BIKE CHALLENGE 2024 <b>15th All India Rank</b> <b>Won Best Business Plan and Cost report Award</b>	23/01/2024

### Teams Motto and Mantra:

Team thinks of building a place where sustainability meets future mobility and believe that innovative thinking is always the start. Team aims to expand product line, explore new technologies, & continue pushing the boundaries of electric bike design.

Team wants to create a carbon free automotive ecosystem and to provide a reliable mobility solution.

**Mr. Rishabh Melwanki,**  
**(Staff In charge – VCET EMECHTO Team)**



## VMEA

VMEA (Vidyavardhini's Mechanical Engineers Association). It is a committee built entirely on the drive of its members. It traces back its origin to the year 2000, when it was formed, which makes it one of the oldest and highly active technical student bodies in Vidyavardhini's College of Engineering and Technology. VMEA Committee involves organizing the events and competitions such as Product Showcases, Quiz Competitions, Project Competitions, Seminars.

**Details of organised event (Between 01/07/2023 - 30/06/2024):**

Sr. No.	Event Name	Dates
1	MECH EXPO'23 Product Showcase	15/09/2023
2	Seminar On CFD And Trends On CFD	30/10/2023
3	Seminar On 3D Printing	04/03/2024
4	OSCILLATIONS'24 -A Technical Paper Presentation	05/04/2024
5	VNPS'24	06/04/2024

### Committees Motto and Mantra:

VMEA along with organizing events it also focuses on building core technical knowledge of the students which enables them to develop a technical perspective. VMEA gives the student members to interact with industries and enhance their communication skills and gain more knowledge.

Following committee is selected for the academic year 2023-24

Post	Name	Class
President	Tisha Paul	BE
Vice President	Aftab Dafedar	TE
Secretary	Suraj Patel	BE
Deputy Secretary	Ayaan Diwan	TE
Treasurer	Abhigya Hazra	BE
Deputy Treasurer	Abhishek Gharat	TE
Sponsorship and Publicity Head	Dipesh Bhatt	BE
Deputy Publicity Head	Ujjwal Upadhyay	TE
Technical Head	Preet Mhatre	BE
Creative Head	Mitali Salve	BE
Deputy Creative Head	Paresh Patil	TE
Organizing Head	Atharva Vartak	BE
Event Management Head	Vivek Kumar Gaud	BE



I thank the entire staff of the Mechanical Department for supporting and helping us wholeheartedly, whenever required. I would like to pen down a special vote of thanks for our Head of Department Dr. Uday Aswalekar and VMEA committee members who worked with their utmost enthusiasm and commitment while managing their academics.

**Ms. Priti Vairagi,**  
**(Staff Incharge – VMEA Committee)**

## YANTRIKA

Yantrika is a distinguished and dynamic robotics team composed of both faculty and students, united by a shared commitment to advance the field of robotics through design, development, and programming. To achieve our goals, we leverage a wide range of specialized software tools and platforms. These include Atmel Studio and Embedded C for embedded system development, as well as Python and MicroPython for high-level programming and rapid prototyping. This combination of versatile software allows us to develop complex and efficient robotic solutions, tailored to meet the challenges we encounter in various competitions.

Our goal is to develop impactful solutions that address real-world challenges, contributing to the broader field of robotics and engineering. By continuing to combine academic knowledge with practical experience, we aspire to drive innovation, improve existing technologies, and inspire the next generation. Yantrika is not just about creating robots—it's about pushing the boundaries of technology and creating impactful solutions.

In addition, Yantrika is an active participant in e-Yantra, an annual international robotics competition initiated by IIT Bombay. The competition challenges participants with problem statements across a variety of advanced technologies, including Robot Operating System (ROS), Drone Control, Image Processing, 3D Designing, Embedded Systems, Control Systems Design, Remote Sensing, and more. Spanning 5-6 months, e-Yantra offers an excellent opportunity for our team to explore innovative solutions and deepen our expertise in these cutting-edge fields. By engaging in e-Yantra, we gain hands-on experience in solving complex engineering problems and are continuously pushed to develop novel solutions that are relevant to the evolving world of robotics.

Our committee's vision is to participate in robotics competitions such as RoboWars, Robo Races, and Swarm Robotics. These events will offer us an opportunity to test our skills in competitive settings, always striving to refine and deliver superior performance.



Sr. No.	Event Name	Dates
1	e-Yantra Robotics Workshop in association with IIT Bombay	19/10/2023 to 29/10/2023
2	Orientation of Robotics Club	02/02/2023
3	Orientation of Robotics Club	12/08/2023
4	Robotics Meetup Starbucks Reserve, Churchgate	12/08/2023
5	Visit to Automation Expo 2023	26/08/2023
6	E-Yantra Robotics Challenge	5/09/2023 to 27/02/2024
7	Product Showcase	15/09/2023
8	Roboroute Rumble SFIT	16/09/2023
9	Zephyr, TCET	5/10/2023
10	Meshmerize IITB Techfest	8/10/2023
11	Visit to Janyu Technologies Pvt. Ltd., Vasai (East)	23/02/2024
12	Megalio, SJCE Palghar	23/03/2024
13	Vidyavardhini's National Level Product Showcase (VNPS)	06/04/2024

### Committee's Motto and Mantra:

"Automating the world, one bot at a time" is more than just a phrase for us at Team Yantrika- it's our driving force. As engineering students passionate about robotics and innovation, we're diving into projects that push boundaries and embrace challenges. From creating intelligent systems to exploring futuristic solutions, we aim to redefine the limits of technology. While some may call them world-ending projects, we see them as world-changing opportunities, paving the way for smarter, more efficient futures. Together, we strive to engineer the extraordinary, turning ideas into impactful realities.

**Dr. Megha Trivedi**  
(Staff In charge – Yantrika)

**Mr. Prafulla Patil**  
(Staff In charge – Yantrika)



A collage of Polaroid photos, string lights, and dried flowers. The background features several Polaroid prints with various images, including a landscape with a large rock formation and a close-up of a bird's foot. A string of warm white LED lights is draped across the scene, and dried flowers and twigs are scattered in the foreground. The overall aesthetic is warm and nostalgic.

5  
PHOTO  
GALLERY

# Literati - The Literary Club



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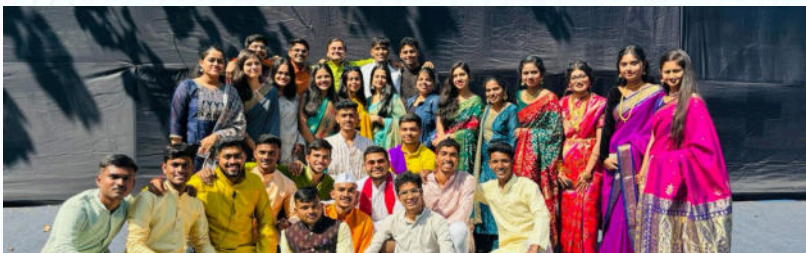


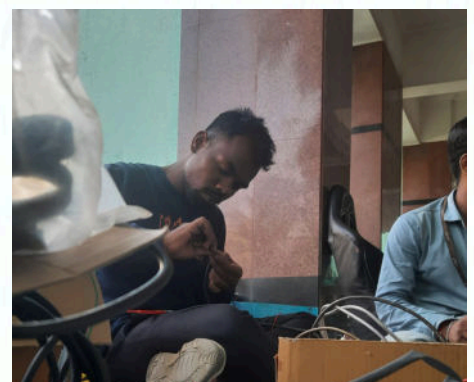
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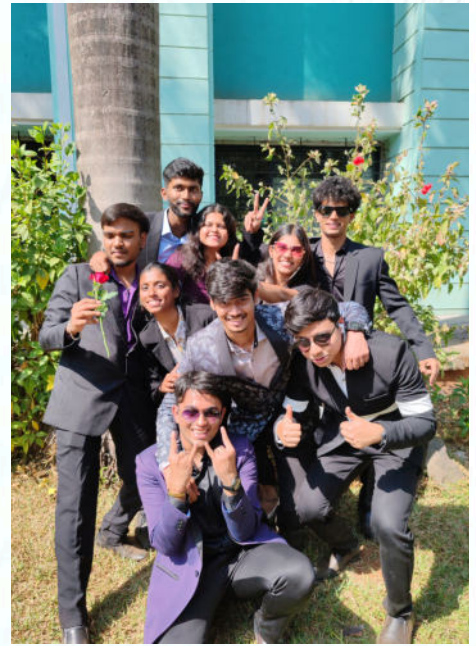
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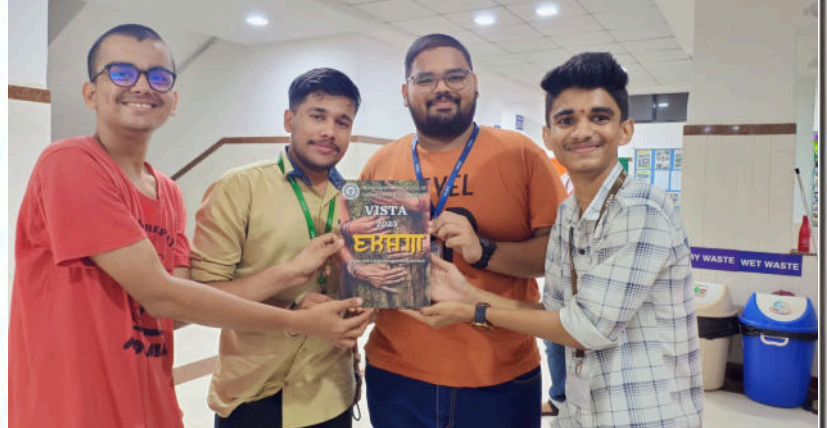
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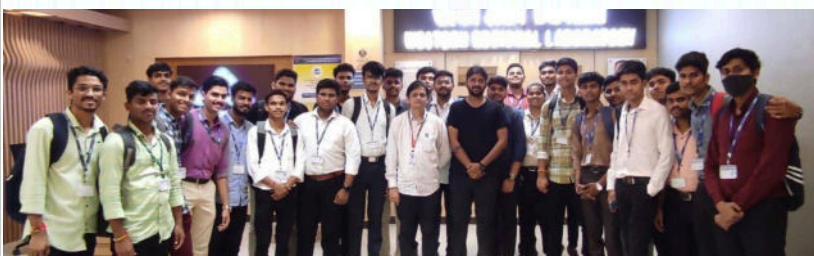
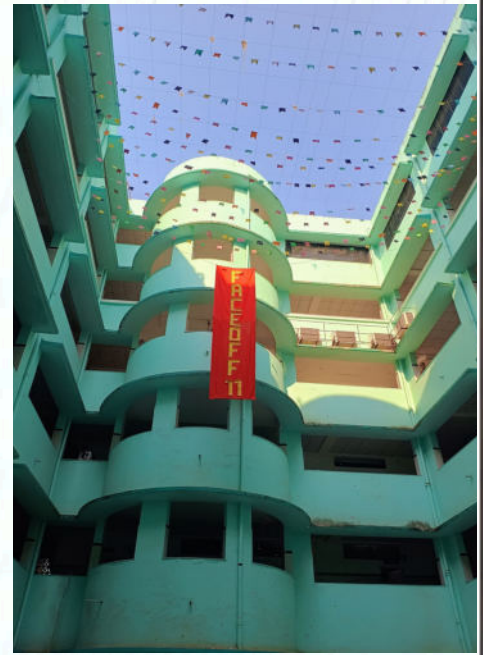


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