



# CURRENT




# CRAZE


ILLUMINATING THE BRIGHTEST SPARKLES IN E&TC.



## VOLUME-1



# MAY



# 2025



# CURRENT CRAZE

JUNE 2024- MAY 2025

Welcome to "Current Craze" - the pulsating showcase of the extraordinary exploits of the **Electronics and Telecommunication Department** at Vishwakarma Institute of Technology. In Academic Year of **2024-25**, the students of E&TC Dept. have embarked on a whirlwind of accomplishments, and this magazine is the canvas where their stories come to life.

Get ready to be spellbound by the tales of triumph in Hackathons, heartwarming initiatives in Social Works, victorious sagas in Sports, intellectual forays in Publication and Conferences, enthralling performances in Cultural events, and a plethora of other remarkable feats.

**"Current Craze"** is crafted for the discerning eyes of students, faculty, industry aficionados, and anyone captivated by the marvels unfurling in the realm of Electronics and Telecommunication.

Let the pages of "Current Craze" whisk you into a world of inspiration, passion, and innovation, as we celebrate the indomitable spirit and sheer brilliance of our students.

"Join us on this exciting journey in **Current Craze**, where every triumph tells a story!"



# FOREWORD

FROM THE HEAD OF DEPARTMENT, E&TC

It gives me great pleasure to present this edition of the E&TC E-Bulletin, which highlights the achievements and efforts of our students across various domains.

At the Department of Electronics and Telecommunication, we believe in fostering not just academic excellence but also encouraging innovation, participation, and holistic growth. The accomplishments featured here reflect the dedication, curiosity, and talent of our students.

Such initiatives not only celebrate success but also inspire others to aim higher. I commend the editorial team for curating this platform and all students for their continued enthusiasm.

Keep learning, keep growing, and continue making the department proud.

Warm wishes,

Prof. Dr. Medha Wyawahare

Head of Department

Electronics & Telecommunication Department



## CREDITS PAGE

The Current Craze — E-Bulletin (2024-25), April Edition, published under the E&TC E-Bulletin Editorial Team

We extend our heartfelt gratitude to Prof. Dr. Medha Wyawahare, Head, Department of E&TC Engineering, and Prof. Vaishali Jabade, whose unwavering support and invaluable guidance made this publication possible.



**Prof. Dr. Medha  
Wyawahare, Head of the  
Department of E&TC.**



**Prof. Vaishali Jabade,  
Student Activities  
Coordinator**

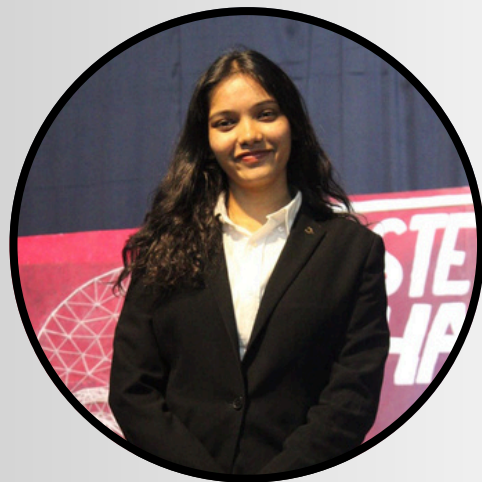


## CREDITS PAGE

This edition was brought to life by the dedicated efforts of the editorial team:



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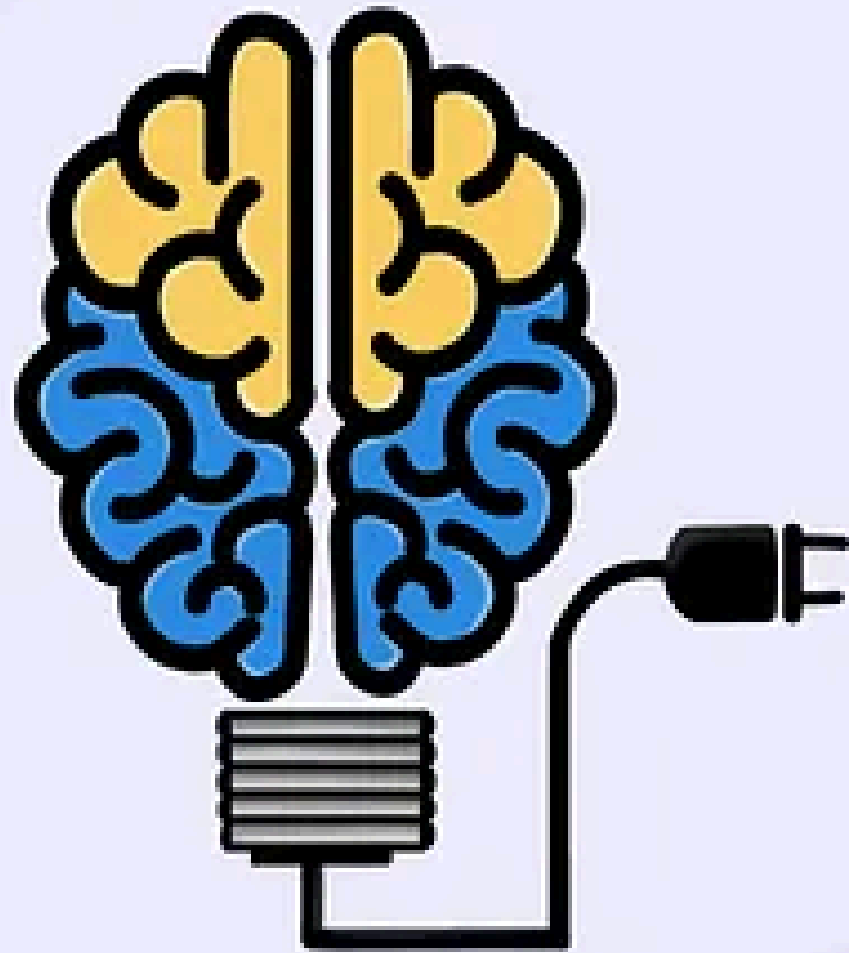


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(Sub-Editor)**





# HACKATHONS

*"Hackathons are not just about coding; they are about creativity, collaboration, and pushing boundaries. Every achievement is a step toward innovation!"*



# Hackathon

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## WINNERS OF HACKFUSION 2.0

Hackathons are a key platform for innovation and problem-solving. They challenge students to think critically, collaborate effectively, and apply their technical skills to real-world issues. Whether in IoT, embedded systems, or communication technologies, the students of E&TC Department have consistently showcased excellence, proving their ability to innovate and succeed.

- ***Hackathon name:*** HackFusion 2.0
- ***Level of Hackathon:*** National
- ***Rank achieved:*** Third

At HackFusion 2.0, a national-level hackathon held in Nanded, Prathmesh Suresh Katepallewar and his team secured third place with their innovative project *Edusphere*—a paperless college management platform.

**Team members:** Satyjit Deshmukh, Advay Dhule, Om Deshmukh, Prathmesh Suresh Katepallewar

***The team at HackFusion 2.0 , Nanded***

- ***Place of Hackathon :*** Nanded
- ***Date of Hackathon:*** 23rd February 2025
- ***Project Title:*** Edusphere
- ***Prize received :*** Goodies worth ₹13,000



# Hackathon

## PRERNA CHAWLA AT ALLIANZ TECH CHAMPIONSHIP

Prerna Chawla, a third-year student, secured first place at the national-level Allianz Tech Championship held offline in Pune on November 19, 2024. Competing individually, she developed SafeNet, an interactive mobile application aimed at educating kids and the elderly about digital safety. Designed to make cybersecurity learning engaging and accessible, SafeNet addresses the unique needs of these vulnerable groups. Her impactful solution earned her a grand prize of ₹2,74,000.

- **Hackathon victor:** Prerna Chawla
- **Hackathon name:** Allianz Tech Championship
- **Level of hackathon:** National
- **Rank achieved:** First

- **Place of Hackathon :**Pune
- **Date of Hackathon:** 19<sup>th</sup> November 2024
- **Project Title:** SafeNet: Digital Safety for All Ages



*Prerna Chawla receiving the prize at the national-level Allianz Tech Championship, Pune*



# Hackathon

## 1.TEAM GATE WORKS

Proving their dominance in the field, students of the E&TC department bagged the second prize!

While the problem statement and constraints remained the same, Team Gateworks took a distinctly innovative approach to the challenge. Recognizing early on that the standard 9V batteries wouldn't suffice, they opted for lithium-ion batteries to ensure more stable and long-lasting power delivery.

- **Team Members:** Yuvraj Waghe(SY ET-D), Anshuman Modak(SY ET-D), Shrinivas Khursade(SY ET-D), Rushikesh Paradkar(SY ET-D)
- **Rank:** 2nd Prize Winners
- **Prize won:** Rs 13,000



To achieve precise mapping and smoother navigation, the team integrated an IMU (Inertial Measurement Unit) into their system, enhancing both the robot's tracking capabilities and its overall efficiency. Their neat execution, along with a unique and well-thought-out approach, earned them the second prize in the Firmware Forge challenge.

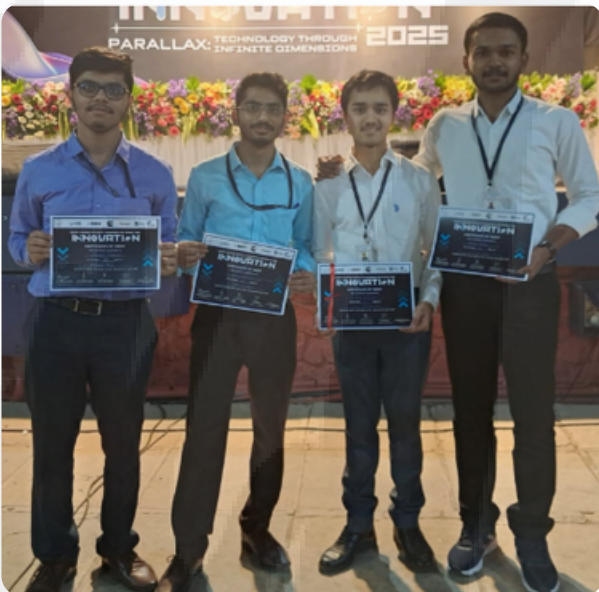
# Hackathon

## FIRMWARE FORGE, INNOVATION 2025

### 2. TEAM CIRCUIT BREAKERS

MKSSS's Cummins College of Engineering for Women celebrated the silver jubilee for Innovation, an event held consistently for 25 years that promotes and celebrates scientific thinking, innovation and technical skills among students. Various events were organised that included software, hardware and firmware hackathons, design challenges, workshops and a TED talk.

- **Event Name:** Firmware Forge, Innovation 2025
- **Team Members:** Anubrat Chatterjee(TY), Anurag Chatterjee(TY), Aditya Jahagirdar(SY), Aditya Londhe(TY)
- **Rank:** 1st Prize Winners
- **Prize won:** Rs 18,000



In an impressive display of technical skill and creativity, *Team Circuit Breakers* secured first place in the Firmware Forge challenge.

The task was to design an autonomous floor-cleaning robot capable of real-time progress tracking via an app and obstacle avoidance—all while working with a limited set of sensors and hardware provided by the organizers.

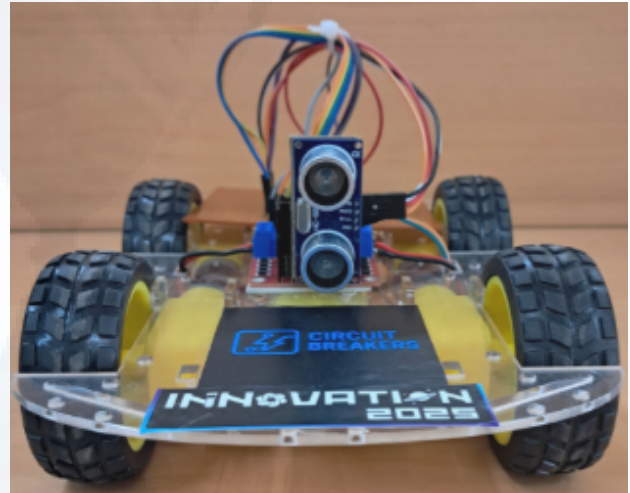


# Hackathon

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While most teams were expected to utilize both sensors, *Circuit Breakers* took a different approach.

They completed the project using just one sensor, setting their solution apart through simplicity and smart design. For battery management, they went a step further and replaced the standard 9V battery with a more efficient 2S LiPo battery. This unique approach and effective execution became their USP, ultimately earning them the top prize



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## HACK-IT-THRICE

His project, *AI-based Smart Irrigation System for Farms*, uses AI and IoT to automate and optimize water usage in agriculture. Aimed at improving crop yields while conserving water, the solution promotes sustainable and cost-effective farming. He was awarded ₹10,000 for **Kaustubh Chavan**, a **fourth-year** student, secured first place at the national-level online hackathon **HACK-IT-THRICE** on **April 6, 2024** for his innovative contribution.

- **Level of Hackathon:** National
- **Rank Achieved:** First
- **Project Title:** AI-based Smart Irrigation System for Farms
- **Prize Received:** ₹10,000

# Hackathon

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## IGNITED INNOVATORS OF INDIA

The project "**Blockchain-Based Biometric Voting System**" was presented at the **Ignited Innovators of India (I2I)** hackathon held at COEP, Pune on 6th & 7th March 2025, where the team secured **first place**. It combines **biometric verification** using a fingerprint sensor with **blockchain technology** to create a secure, transparent, and tamper-proof e-voting system. Built using **Arduino Uno**, Node.js, and Python, the system ensures one-person-one-vote and prevents duplication, offering a reliable solution for modern elections.

- **Level of Hackathon:** National
- **Place of Hackathon:** Pune
- **Rank Achieved:** First
- **Project Title:** Blockchain Based Biometric Voting System.
- **Date of Hackathon:** 6th & 7th March 2025
- **Team Members:** Yuvaraj Inamdar, Harshit Inani , Atharva Jadhav ,Kartik Khope ,Subhidh humne





# Hackathon

## SMART INDIA HACKATHON' 2023

At the *Smart India Hackathon 2023*, a national-level event held offline in Amravati on March 19th, 2023, Abaan Tamboli and his team—including Siddhant Tambatkar, Sarvesh Gawade, Sanika Thorbole, Swati Sonone, and Vaishnavi Kangralkar—secured **First Place** and a prize of ₹1,00,000 for their project "**Pro Planet Person App**." This innovative mobile application tracks user behavior and promotes sustainable living by providing real-time nudges, pop-ups, and suggestions. It encourages eco-friendly choices across platforms like food delivery and online shopping—for example, reminding users to avoid disposable cutlery—helping individuals become more environmentally conscious in their daily actions.



**Level of Hackathon:** National

**Year:** Fourth

**Place of Hackathon:** – Amravati

**Prize Received:** –1 lakh

**Team Members :**

Abaan Tamboli

Siddhant Tambatkar

Sarvesh Gawade

Sanika Thorbole

Swati Sonone

Vaishnavi Kangralkar

# Hackathon

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## IMPETUS INC'24

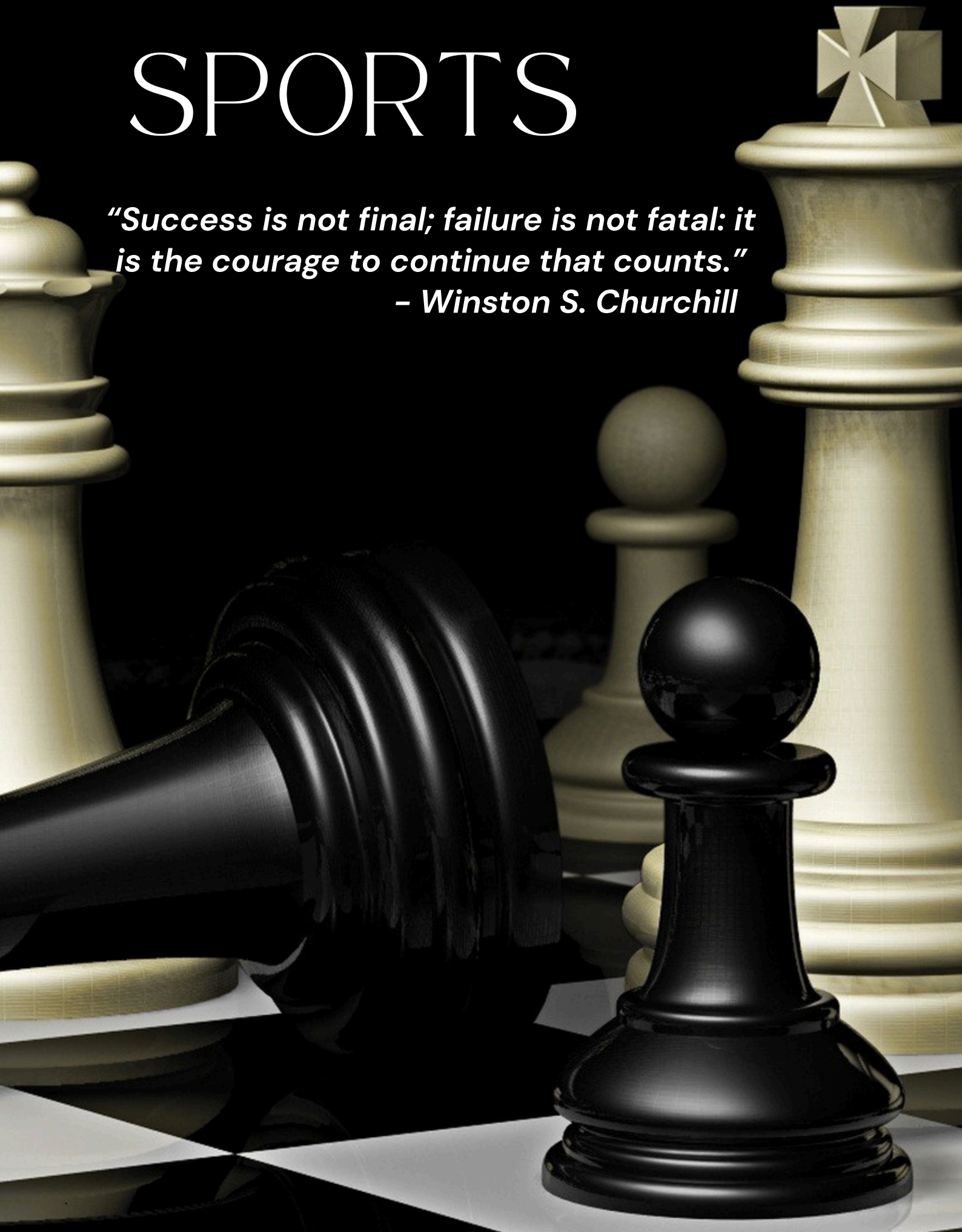
At the international-level hackathon *Impetus INC'24*, held offline in Pune on May 3rd, 2024, Rohit Rathod and Abhijeet Salunkhe's team(B.Tech, Final year) won **First Place** and a prize of ₹10,000 for their project "**Smart Bed for Unresponsive State Detection and Posture Identification.**" The project addresses the growing need for improved care in ageing and disabled communities by detecting unresponsive states and monitoring posture, aiming to enhance the quality of life for vulnerable individuals.

- **Level of Hackathon:** InterNational
- **Mode:** Offline
- **Place of Hackathon:** Pune
- **Project Title:** Smart Bed for Unresponsive State Detection and Posture Identification
- **Team Members :** Abhijeet Salunkhe, Rohit Rathod
- **Prize Received:** -10,000



# SPORTS

***"Success is not final; failure is not fatal: it is the courage to continue that counts."  
– Winston S. Churchill***



# Sports

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Sports are one of the key aspects of development and growth. It teaches us to rise up to a challenge, encourages critical thinking, and improves physical fitness. Whether indoor or outdoor, sports enhance endurance, confidence, and overall well-being. The students of the E&TC department have repeatedly risen to prove themselves, be it in sports or academics, excellence is guaranteed.

## AASHISH SANKALECHA & TEAM

Being an integral part of the VIT Chess Team, Champions Chess Club (C3), Aashish has led the team to victory on several occasions. Aashish describes himself as an 'attacking and positional' player which shows his unbreakable resolve.

- **Rating** : 1623(Classical)
- **Favorite opening**: e4 (King's Pawn)
- **Chess idol**: D. Gukesh
- **Best Performance**:  
Unbeaten run in MIT-ADT & MIT-WPU (2024)



*Aashish's unbeaten run in Vishwanath Sports Meet (MIT-ADT)*



# Sports

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## **2023-24 HAS BEEN A FRUITFUL YEAR FOR HIM AS HE AND HIS TEAM WON SEVERAL TOURNAMENTS.**

Aashish continues to amaze us with his performance as he is awarded the 'Best Player Award' in two distinct tournaments as he led his team to victory without losing a single game:

- Vishwanath National Sports Meet (Team Rank 1)
- Summit 2025 (Team Rank 1)

Speaking to one of the editors of Current Craze, Aashish said that even after attending numerous events, he feels some pressure when facing a strong opponent.

*"I try to keep my nerves calm. I often go into 2-3 minutes of meditation before such games. It helps me collect my thoughts."*



*Aashish's unbeaten run in Summit 2025 (MIT-WPU)*

### **SPPU Inter-Collegiate Chess Tournament (Team Rank 1)**

#### **ZEST - Chess**

- Classical (Team Rank 1)
- Rapid (Team Rank 1)
- PACE 2025 (Team Rank 1)
- Silhouettes Chess (Team Rank 1)

*National Sports Meet MIT-ADT (Team Rank 1)*

# Sports

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*Aashish and his team continue to impress us with their numerous accolades as they march on to victory in the game of strategy.*



*Aashish and team's victory at Silhouettes Chess (2024)*



The team celebrates their victory at ZEST – Chess (2024)



The background features several bright, golden light rays emanating from the top, creating a dramatic, starry effect. Numerous small, glowing golden particles are scattered throughout the dark space, adding a sense of depth and movement. A horizontal band of golden light and particles is visible at the bottom of the image.

# CULTURAL

*"If we are to preserve culture then we must  
continue to create it."*

*– Johan Huizinga*

## Cultural

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Culture shapes identities, creates value and provides a sense of belonging. The one who loses their culture, loses their identity. Thus, it is very important to be rooted to the ground; only then can a strong tree stand firm. No wind can blow it, no rain can uproot it. Cultural values and tradition hold immense significance in our lives.

# FIRODIA KARANDAK'25

Firodia Karandak is a prestigious intercollegiate drama competition organised in Maharashtra every year by the Firodia Group. It had a humble beginning as a drama competition but since its inception, it has grown to cover many more activities and events such as sculpture, pottery, painting, orchestra and puppet dancing.



# Cultural

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- **Shravani Nirmale won 1st Prize** in Human Puppets event
- **Harshawardhan Desai won 2nd Prize** in Shadow Play event
- **Vinay Deshmukh won 1st Prize** in Tape Art
- **Shravni Walke won 1st Prize** in 3D miniature event

A group of 35 students took part in this prestigious event which included students from the E&TC departments. There were several events in which students of the E&TC department performed brilliantly to secure praiseworthy prizes.

***Image: The entire team celebrates their success at Firodia Karandak***



# STREET PLAY, IIT GUWAHATI

The Indian Institute of Technology, Guwahati holds the prestigious Street Play event which is an avid representation of culture and art mixed with creativity and passion. A team of students from various departments of the college participated in this competition

As this was a National-Level event, around 40 teams from all over India participated in this event. The team remained unbaffled as they put on a stunning performance that captured the hearts of many. The team went on to clinch the 1st Prize at this prestigious event.



***Image: The team celebrates their win at Street Play, IIT Guwahati***

# CREATIVE SECTION



***"In a gentle way, you can shake the world."***  
***-Mahatma Gandhi***



# Creative

A creative mind is the indication that an individual is ready to grow and adapt. It shows the ability to think beyond limitations, solve problems uniquely and express oneself in ways that resonate deeply with the power of the world. The Electronics and Telecommunication Department stands proud as our students display their talents on the paper which transforms into a canvas of life.

## POEM BY MAHEK SAYYAD

Memories are the milestones of life. The happy ones make us laugh; the sad ones make us cry. When one turns back and looks at them, they realise how far they have come on this journey called 'life'. Let us enjoy such a poem that celebrates memories and tethers us to the mortal realm.



### ~दिल की किताब~ (Book of the Heart)

बंद किताब को आज फिर खोल कर देखा  
(Opened the closed book once again today)

कुछ यादें, मुलाकातें वो  
(Some memories, those meetings)

हंसते हुए चेहरे, वो रोते हुए आंखें  
(Smiling faces, those tearful eyes)

सब कुछ हर एक पन्ने पर  
(Everything on each page)

पर जैसे घर बनाए बैठे थे  
(As if they had made a home there)

यूं ही मैं एक-एक पन्ना पढ़ती जा रही थी  
(Just like that, I kept reading each page)

जैसे उस कहानी में खुद से नए से मिल रही थी  
(As if I was meeting a new version of myself in that story)



# Creative

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किताब थी तो पूरी भरी हुई

(The book was completely filled)

मगर कुछ पन्ने पूरे भरे हुए

(But some pages were fully written)

कुछ आधे-अधूरे छूट गए थे

(Some were left half-written, incomplete)

जैसे लिखते-लिखते किसी अलग दुनिया में खो गए थे

(As if while writing, they got lost in another world)

कुछ पन्नों पर मैं खिलखिलाकर हंसने लगी

(On some pages, I started laughing loudly)

जैसे मैं वो पल जीने लगी

(As if I was reliving those moments)

कुछ पर मगर आंखें मेरी नम हुईं

(But on some, my eyes welled up with tears)

हर एक पन्ना सिर्फ मुझे बयां कर रहा था

(Each page was narrating only me)

जैसे मानो मुझे कुछ कह रहा था

(As if it was telling me something)

उसमें सिर्फ मैं थी

(In it, there was only me)

किसी पन्ने पर बना हुआ दिल

(A heart drawn on one of the pages)

किसी प्यारे अंजान की याद दिला गया

(Reminded me of a dear stranger)

वो फिर मुझे मेरा प्यार याद दिला गया

(It reminded me of my love again)

प्यार याद दिला गया

(Brought back memories of love)

जैसे-जैसे मैं आखिरी पन्ने पर बढ़ रही थी

(As I was approaching the last page)

एक पन्ने पर मेरा वो दोस्त मिल गया

(On one page, I found that friend of mine)

जिसे मैं खोना तो कभी नहीं चाहती थी

(Whom I never wanted to lose)

मगर पता नहीं वो क्या हुआ

(But I don't know what happened)

उसे कोई और दोस्त मिल गया

(He found another friend)

और वो मुझे छोड़ गया

(And he left me)

उस पन्ने पर मैं बहुत रोई

(On that page, I cried a lot)



# Creative

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मेरी काली कहानी थी

(My dark story was there)

मेरा हंसता हुआ चेहरा

(My smiling face)

और मेरा ही रोता हुआ दिल था

(And my own crying heart)

किताब बंद कर उन यादों को अपने आप में

(Closing the book, I embraced those memories within myself)

कुछ पल जीने लगी

(Began to live those moments again)

उसके बाद कोई दोस्त बना ही नहीं पाई

(After that, I could never make another friend)

अनजाने में भूल गई कुछ यादें

(Unknowingly, I forgot some memories)

फिर से ज़िंदा हो गई मैं

(But I came alive once again)

हंसते हुए, फिर कुछ लिखने लगी

(Smiling, I started writing again)

*~Mahek Sayyad*

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## ART BY RAGHAVI NARAYAN



Art expresses divinity and divinity expresses the voice of the soul. This creative painting depicts the Goddess who is a source of life and binds all the universe together as one. The vivid use of colours are especially symbolic as they intertwine the colors of the Goddess' divinity with the colors of nature.

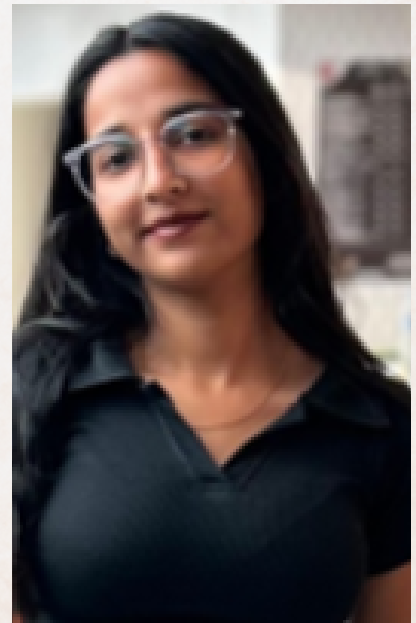


## Creative

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### ART BY OWI BARTAKKE

The given Art symbolizes togetherness. Using an excellent combination of colours, the artist portrays two silhouetted birds on a tree branch symbolising love, companionship and serenity. The white flowers created from textured petals spreads the message of hope and harmony; the stunning background of sunrise evokes feelings of warmth and symbolises a new beginning





# OTHER ACHIEVEMENTS

*"Achievements are not just milestones—  
they're the echoes of perseverance, passion,  
and purpose."*





## Other Achievements

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### INNOVATIVE AGRICULTURAL TECH EARNS SHODH AWARD AT DIPEX 2024

We are proud to share that Ajinkya Pandurang Shinde, Aditya Jagadale and Mihir Patwardhan, students from Second Year E&TC Department, has brought laurels to our institute by securing the prestigious SHODH Award at DIPEX 2024, a State Level Exhibition cum Competition of Working Models held from 7th to 10th March 2024 at Terna Engineering College, Navi Mumbai.

The team's working model titled "Green Shelf for Fruits & Vegetables", developed under the theme Agricultural Technology, was recognized for its innovation and real-world application. The model aimed at enhancing the shelf life and storage efficiency of perishable produce, which has immense potential to benefit farmers and vendors in rural as well as urban areas.

The achievement reflects the department's commitment to encouraging innovation and solving real-life challenges through technology. We extend our heartiest congratulations to Ajinkya for his remarkable accomplishment and wish him continued success in his future endeavors.



## Other Achievements

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### **VARAD BHALERAO: AN ACKNOWLEDGED ACTOR**

Varad Bhalerao of SY E&TC-A has achieved a feat most would only dream of. Beginning in 2018, Varad began his acting career in short films as an award winning debutant. This speaks volumes about his passion and dedication for his craft.

In 2024, a short film festival was organised by the Marathi newspaper Lokmat. Varad played the role of an elderly man, a chief incharge of garbage management in his area. The name of the film was 'Ghantagadi' (घंटागाडी, Garbage Truck), which discussed several issues faced by garbage collection workers.



For his fabulous performance, Varad was awarded the 'Best Actor' award for the Marathwada region by Lokmat. His performance not only depicted the depth of his character but visibly depicted the very values that the movie aimed to portray.



## Other Achievements

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### PROJECT PRESENTATION AT BOSCH GLOBAL SOFTWARE TECHNOLOGIES

Chetan Jain had the privilege of representing our institution at Bosch Global Software Technologies Ltd., where we presented our project as part of a multi-institutional showcase. Each participating team was allotted a dedicated and well-equipped stall within the auditorium to set up and demonstrate their projects.

**Project Title :** Low-Cost Vehicle Simulator for Validation of SAE J1939 PGNs

**Associated industry :** Bosch Global Software Technologies

**Venue :** Ozone Manay Technology Park, Electronic City, Bengaluru.

**Group Members :**

1. Iram Shaikh (TY-ENTC)
2. Soham Raskar (TY-ENTC)
3. Rohitashva Kumawat - (TY-CSAI/ML)
4. Chetan Jain (TY-ENTC)

**Project Guide :** Prof Dr Jyoti Madake

A total of four teams took part in the event, including teams from IIIT Raichur and PES University, along with our own. Each team was given a time slot of 10–15 minutes to present their project to the Bosch management team. The presentation included an overview of the project title, problem statement, proposed solution, development timeline, and the key challenges encountered during implementation.



## Other Achievements

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They presented a Low-Cost PGN Simulator based on the SAE J1939 protocol, specifically designed to interface with the Telematics Control Unit (TCU) of heavy-duty trucks. The simulator, comprising both hardware and software components, is intended to support Electronic Control Unit (ECU) diagnostics by replicating Parameter Group Numbers (PGNs), thereby aiding in system testing and validation.

The event concluded with a networking lunch where we had the opportunity to engage with Bosch employees and senior management. At the end of the session, all participants were awarded Certificates of Appreciation by the organizers.

Overall, their experience was highly enriching—offering valuable exposure to real-world industrial environments, networking opportunities with professionals, and meaningful feedback on their work.





## Other Achievements

A formal meeting was held with the Block Development Officer (BDO) where key aspects of the Panchayat Samiti website project were discussed. Topics included the data format to be provided by each department, page content layout, technical requirements, and project timelines with review checkpoints. The BDO appreciated the students' initiative from Vishwakarma Institute of Technology, Pune, and acknowledged the significance of digitizing local governance.

The project aims to create an accessible, user-friendly website for the Panchayat Samiti, acting as a bridge between the local government and the community. It will include comprehensive departmental information, an official hierarchy, and details on various government schemes and initiatives. The visit also emphasized the value of project-based learning in equipping students with real-world skills.







# VISHWA KARANDAK

*"More than just events — it's a celebration of  
creativity, culture, and connection."*



# VISHWAKARANDAK VICTORIE!

Vishwakarandak is not only the annual sports meet for Vishwakarma Institute of Technology, Pune, but it is also a hub of excitement, fun and healthy competition! Vishwakarandak is where students take part in a multitude of events, and the goal is one: Win and bring the Vishwakarandak Cup to their department! In a show of enthusiasm and sportsmanship, the students of E&TC department have won major accolades!

Sr. No.	Event Name	Winner	Runner Up
1	Gun Range Shooting	Nainish Jaiswal	
2	Musical Maestro Instrumental	Prathamesh Sawale	
3	Debate	Gajanan Baviskar	Soumil Joshi
4	Carrom (Boys Doubles)	Bhushan and Varad	
5	Hand Penalty (Girls)	Anushka	
6	Eating Competition		Gajanan Baviskar
7	Nerf Mania		Prathamesh Sawale
8	Box Cricket		Mandar Chinnapurkar
9	Photography		Prathamesh Sawale
10	Chess Bullet		Arya More
11	Sprint Boys		Soham Deshmukh
12	Table Tennis (Boys Singles)		Aditya Walse





# PATENTS & PUBLICATIONS

*"Publications share knowledge with the world,  
while patents protect the spark that created it."*

# Patents

## PATENTS IN 2023-24

Patents	Patentees	Year
An lot Enabled Compact Two-Fold Alcohol Monitoring and Control System	KHARKAR Atharwa Abhay, KADLAG Viraj Shrihari ,KAGANE Ayush Jitendra ,KHAPRE Dhawal Rajesh,KHAIRNAR Tejas Sanjay	2023
A Smart Tracking Device For Locating Lost Items	TILEKAR Tejas V. ,TIDAKEMayur N. ,TIWADI ShivamS. ,TIDKE,Rushang R.,TIGHARE, Roshani G	2023
Wireless Wheel Alignment System	Soham Sattigeri,Anshul Surana,Vaishnavi Deshpande	2023
An IoT based Automated Per Feeding System	Omkar Wadtile,Prasad Mane	2023
A Cardiac Emergency Alert System For Automotive Drivers	GANDHI Sayar, DHAWALEAkshay, GAIKWAD Abhishek	2023
Cloud Driven lot Based System For Prevention Of Locust Attack	PATIL Abhishek , MURKYA Tejus, SATPUTE Harsh	2023
An Artificial Intelligence Based Handheld Electronic Travel Aid For Visually Impaired Peopl	KUMARI Aditi ,AGRAWAL Mohit ,AMBEKAR Mahi	2023
A Gesture Based System For Controlling Automotive Subsystem	GUPTA Dhavanit, DHANDE Shaunak, DHAWALE Akshay, GAIKWAD Abhishek GANDHI, Sayar	2023
Autonomous Self Balancing Bot	PATIL Varad ,PAWARShantanu ,POKE Akhilesh,JAMBHULKAR Rajat	2023
An IoT based hydroelectric Power Generation System	Korade Atharv,Mungale Ghanashyam	2023
Comprehensive Fire Safety Solutions with Automated Response Mechanism	Varad Gadgil,utkarsha.dongarjal	2023
A Road Cleaning Robot	BHALERAO Siddhant, BANDE Atharva, BARVE Apoorva	2023
A Fruit Plucking Gripper	CHOBE Sankarshan, CHAVAN Pradnya, CHAVAN Kunal	2023



# Patents

Patents	Patentees	Year
A Stair Climbing Wheelchair	BHAWALKAR Tanmay, BULAKH Aatmaja, DALVI Shreyas	2023
Road Cleaning Robot	BARANJALEKAR Ishwari, BARVE Apoorva, BHALERAO Siddhant	2023
IOT – Home Automation And Security System	MUSALE Prajakta,Patil Sujay,Patil Varad	2023
IOT- Anti-Theft Detection System	DANDWATE Prajakta, DESHMUKH Yash, DESHPANDE Amogh	2023
A Hand Gesture Controlled – Mobile Robot	VAZE Sanaya, CHAUDHARIVedashri, HULMANI Varsha	2023
AUTOMATED DISPENSER SYSTEM WITH INTELLIGENT MATERIAL MANAGEMENT AND REAL-TIME MONITORING.	Soundarya Santosh Kumbharikar	2024
Self-Navigating 4 DOF Holonomic Robotic Arm	Shobit Shinde, Sai Singar, Abhijit Sonawane	2024
An Automatic Onion Peeling and Sorting Machine	SOMATKAR Avinash Abhiman, DESHPANDE Abhijeet	2024
A Corn Cutting Machine	CHINCHANIKAR Satish S,,ANERAO Prashant R	2024
An Automated Mulching Paper Hole Making Device	Nikhil Karmankar,Swapnil Gawande	2024
Real Time Cathodic Protection System	Aryan Mundra, Sidhant Andure	2024
MedAssist- Smart Medical Box for Blind	Durvesh Choudhary	2024
A real time Hive Wellness Surveillance System	KHOT Parth, KOHAD Nakul, KHOBRAGADE Sachi,KUMBHAR Shashank	2024
AI based Automated robot operated in hospital infrastructure	Bhaves Agone,Aryan More	2024

# Patents

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Patents	Patentees	Year
lot Based Weather and Agri-Grain Protection Roof Shed Using Raspberry Pi Pico	Gaurav Kumar, Rajeswari Das	2024
Braille Learner	Ayush Chavan,Aditi Bhat,Aditya Bhoyar	2024
IOT Based Location Alert and controling system for animal belt via mobile device	Harshal Durge	2024
Smart safety footware with integrated fall detection and emergency alert system	Harshal Durge	2024
PayPrint : The printing vending machine	Chetan Jain ,Sidhant Andure ,Swaroop Atreya	2025
Wireless Spy Bot RC Car With Integrated Object Detection And Ultrasonic Radar System.	Rajvardhan Patil ,Sushant Patil,Tanisha Patil.	2025
Wireless Spy Bot RC Car With Integrated Object Detection And Ultrasonic Radar System.	Tanisha Patil,Sushant Patil,Rajvardhan Patil	2025
Wireless Spy Bot RC Car With Integrated Object Detection And Ultrasonic Radar System.	Sushant Patil, Rajvardhan Patil, Tanisha Patil	2025



# Publications

## PUBLICATIONS IN JOURNALS IN 2023-24

Paper Title	Author	Journal name
A Smart System for Detection of Road Lane and Divider	Nikita Patil	International Journal on Recent and Innovation Trends in Computing and Communication
Compact and Cost-Effective Object Tracking System Using Arduino Nano, SIM800L Module, and Multiplexer	Bhagwat Kolekar, Karan D. Paigude, Riya R. Kamble, Kashish J. Goel	IJRASET
Robotic Arm using ESP32 and Smartphone	Nagnath P. Kotwal, Aditya K. Kshirsagar, Shruti K. Korpade, Aditya A. Kshirsagar	IJRASET
Ophthalmic Image Generation using GAN for Branch Retinal Vein Occlusions and Laser Spots	Dyuti Bobby,Atharav Dusane	International Journal of Intelligent Systems and Applications in Engineering
Multimodal emotion recognition based on the fusion of vision, EEG, ECG, and EMG signals	Sourjadip Pramanik,Sole S.	International Journal of Electrical and Computer Engineering Systems (IJECS)
"An Integrated Deep Learning Model for Concurrent Speech Dereverberation and Denoising."	Seema Arote	Journal of Advances in Information Technology
Shield Buddy: Home security device using Esp32 and PIR sensor	Shraddha Patel, Prachi Shirao, Swarali Mahajan, Dipali Khatave	IJIRT-International Journal of Innovative Research in Technology
Virtual Sound Synthesizer	SAMBARE AJINKYA, SHINDE SANSKRUTI	IJIRT-International Journal of Innovative Research in Technology
Anti-sleep Alarm for Drowsiness of Driver	Prajakta Dhole, Manish Dhane, Advay Dhule, Prathmesh Dhongade	International Journal For Multidisciplinary Research

# Publicatios

Paoer Title	Author	Journal
Multi-Microphone Speech Dereverberation and Noise Reduction using Long Short-Term Memory Networks	Seema Arote	International Journal of Intelligent Systems and Applications in Engineering
Multichannel Speech Dereverberation using Generalized Regression Neural Network	Seema Arote	International Journal of Intelligent Systems and Applications in Engineering
A Qualitative and Quantitative Analysis of Research in Mobility Technologies for Visually Impaired People	JYOTI RISHIKESH MADAKE	IEEE ACCESS Journal
PerceptGuide: A Perception Driven Assistive Mobility Aid based on Self- Attention and Multi-scale FeatureFusion	JYOTI RISHIKESH MADAKE	IEEE ACCESS Journal
SceneGuide: An Indoor and Outdoor Scene Recognition Wearable Aid for Visually Impaired People	JYOTI RISHIKESH MADAKE	International Journal of Intelligent Systems and Applications in Engineering
Air pollution monitoring system.	Prashik Tambe,Tejas Patil	international research journal of engineering and technology.
Clothing and Fashion Recommendation System	Yash Mangrulkar	INDIAN JOURNAL OF TECHNICAL EDUCATION
A computer vision–approach for activity recognition and residential monitoring of elderly people	Sudhir Gaikwad	Medicine in Novel Technology and Devices
A Machine Learning Based System for Fall Detection and Elderly Care	Sudhir Gaikwad	International Journal of Intelligent Systems and Applications in Engineering
Human Hand Movement Classification based on EMG Signal using different Feature Extractor	Ranveer Chavare	Biomedical and Pharmacology Journal



# Publications

Paper Title	Author	Journa,
Comparitve analysis of deepfake models on diverse gan generated images	Mayank jhanarendra muhal	ijeces
The Motion-Activated Picture Capture, Animal Detection, and Alert System	Kartik Khope, Anushka khandelwal, Vedant Keché	International Journal for Research in Applied Science
ENHANCING HOME SECURITY WITH RASPBERRY PI-POWERED SURVEILLANCE FLOORING	Snehal Darade,Sumit Darekar	International Journal of Advanced Research in Engineering and Technology (IJARET)
Mini Washing Machine	Anup Kadam ,Nagraj Rajam, Joseph Abraham,Vivek Jha	International Journal for Research in Applied Science and Engineering Technology
Smart Accident Prevention System Using Wireless Technology	Sarish Kad , Anant Khot, Vaishnavi Mahindrakar, Meet Nahaar	International Journal for Research in Applied Science and Engineering Technology
Muscle sense Biomonitor belt	Bhakti Kapse,Yogita Kapse,Kashish meshram, Omeshwarsingh Pardeshi	international journal of innovative research in technology
A New Epoch in Product Assurance Leveraging Blockchain for Robust Anti- Counterfeiting Measures	Siddhant Tambatkar, Abaan Tamboli, Sanika Thorbole	Journal of Emerging Technologies and Innovative Research
Region Based Network for Yoga Pose Approximation with Discriminative Hyper Tuning parameter	Gite, S. Mane, D. T. .Mane, V. ., Kale, S., & Dhotre, P.	International Journal of Intelligent Systems and Applications in Engineering
Exam Ears - A headphone detection system for effective exam proctering	Aditya Lashkare, Sarang Bhanap	The Indian Joiurnal of Technical Education
Computer Vision Based based Garbage spillage detection using machine learning	Aryan Waghresha, Samruddha Tupe, Subodh Thorat	The Indian Joiurnal of Technical Education
Natural Language based customer Review Analysis	Vipul Pisal	The Indian Joiurnal of Technical Education
Gas Leakage Prevention using Activated Carbon	Sravan Avvaru, Sumit Raina, Aniruddha Sutawane, Priyanshu Dhambre	International Journal of Innovative Research in Technology

# Publications

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## PUBLICATIONS IN CONFERENCES IN 2023-24

Paper Title	Authors	Conference Title
Licence Plate Detection and Recognition with OCR using Machine Learning Techniques	Aditi Kumari, Piyush Deshpande	Artificial and business intelligence quantum and Machine learning Trends perspectives and prospects
IoT Based Smart Wearables for Mine Worker's Safety	Vaibhav Shahabade, Vaibhavi Jorvekar, Manasi Yadav, Yash Wavare, Suraj Upadhye	AIS2C2:2022
Product Review Assistance Based on Feature Sentiment Analysis Using NLP	Prasad Sanap;Ajinkya Sathe	INCOFT 2023
Image Talk: Multimodal Image Caption Generation with Voice	Akash Bhadange;Rohan Bhole	INCOFT-2023
Robust Face Detection and Identification using HOG based features and Machine Learning	Aditya Ingale;Rushikesh Joshi	INCOFT-2023
Cirrhosis Disease Prediction Using Machine Learning	Rauf Jamadar, Harsh Uike	ICACCTech
Watershed Catchment Analysis	Vedant Malve, Gaurav Niturkar	International Conference on Research in Science, Engineering and Technology
Computer Vision Based Detection of Weed in Ginger and Sugarcane Crop for Automated Farming System	Rushikesh Gholap; Nishad Ranade; Shubham Ghadg	ICICAT 2023
Stairs Count and Zebra Crossing Distance Estimation for Visually Impaired Individuals	Parul Inamdar; Piyush Pandita; Pulkit	2023 International Conference on Smart Systems for applications in Electrical Sciences (ICSSSES)



# Publications

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Paper	Author	Conference Title
Development of Robotic Hand Wrist with 1kg Payload	Parul Inamdar; Prasad Oak; Pratham Korade	2023 IEEE World Conference on Applied Intelligence and Computing (AIC)
Robust Criminal Identification System for Recognition of Obscure and Hidden Faces	Virendra Shelke;Pratiksha Shinde; Kamlesh Shintre	2023 2nd International Conference on Futuristic Technologies, INCOFT 2023, 2023
Expert System for Real Time Arm Movement Recognition based on Surface EMG Signal	Mahesh Kinge, and Anurag Mahajan	IFIP Advances in Information and Communication Technology , 2 0 2 3 , 673, pp. 11–24
Prof.Dr.Medha Wyavhare	S., Gadad, T., Ghulaxe, S., & Gaikwad, R.	IDCloT 2023 – International Conference on Intelligent Data Communication Technologies and Internet of Things,
Generation of Royalty– Free Images with NLP– Based Text Encoding and Generative adversarial networks	Mohish Khadse,Shjjad Shaikh,Sakshi Kulkarni	14th International Conference on Computing Communication and Networking Technologies (ICCCNT)
Exploring Enhanced Localization Techniques: LIDAR– SLAM for Mobile Robots	Rachana Gaikwad,Tejal Gadad	Global Conference on Information Technologies and Communications (GCITC–2023)
Automatic Conversion of Broadcasted Football Match Recordings to its 2D Top View	Anurag Mahajan,Sanmit Patil ,Amitesh Patil	Artificial intelligence and knowledge processing(AIKP 2023)
Development of Electronic System for Data Acquisition of FSAE Vehicle	Swagat Kulkarni,Rohan Kshirsagar	International Conference on Ambient Intelligence, Knowledge Informatics and Industrial Electronics (AIKIIIE– 2023)
Guarding Your Online Presence: The Relationship between Social Media and Cybersecurity	Tanaya Dahatonde, Jayraj Borate	“2nd International Conference ICMech– REC–2024” conducted by National Institute of Technology Warangal, Telangana from 29th to 31th May, 2024.

# Publications

Paper	Author	Conference Title
Krishi Mitra: Crop and fertilizer recommendations system using machine learning algorithm	Akash Gajbhiye , Amisha, Chinmay Deshmukh , Kunal Gaikwad	2nd International Conference on Pervasive Computing and Social Networking (ICPCSN 2022)
Media Player Controller using Hand Gestures	Harshal Baru, Abhishek Kashid, Prasanna Kshirsagar, Aniket Kulkarni and Prathamesh Londhe	4th International Conference on Mobile Computing and Sustainable Informatics (ICMCSI 2023)
Sign Language Translator for Speech Impaired People	Tejas Adsare, Tejas Dharmik, Neeraj Agrawal, Prajwal Atram, Dijasmith Patil	5th Biennial International Conference on Nascent Technologies in Engineering (ICNTE 2023) (Technically Co-Sponsored by IEEE
Smart Attendance Using Face Recognition	Mrunal Shinde,Prem Shejole,Shafaque Sheikh,Prasad Shevale,Sahil Salve	International Conference on Vision Towards Emerging Trends in Communication and Networking Technologies (ViTECoN-2023)
Voice Controlled Wheelchair	Shalmali Bhalerao, Rituraj Sharma, Sharayu Chakole, Aditi Shimpi, Nishka Mane	International Conference on Vision Towards Emerging Trends in Communication and Networking Technologies (ViTECoN-2023)
SoundMind: A Machine Learning and Web-Based Application for Depression Detection and Cure	Madhusha Shete Chaitany Sarday	ICMIB-2023
NLP and Deep Learning Based POS Tagging and Blank Prediction Assistant	Vrunavi Shlok Yadav	IEEE 8th International Conference for Convergence in Technology
: HUMAN ACTION RECOGNITION USING (CNN+LSTM & LRCN)	swapnil Devyani	ICTIS 2023
IoT Based IV Pole Monitoring System	Deepak Gupta	8th I2CT 2023
: IoT Based Transformer Monitoring System	Pratik Tambe Tejas Patil Shravani Raut	ICTIS 2023
Fast Inverse Square Root using FPGA	Sharvari Bodas, Varada Deshmukh, Shamish Bramhekar	Advancements in Communication and Systems



# Publications

Paper	Author	Conference Title
: Visual AI for Satellite Imagery Perspective: A Visual Question Answering Framework in the Geospatial Domain	Nikhil Rane	"IEEE 2023 8th International Conference for Convergence in Technology
Server-Based Universal Bank Chatbot	Paras Pali	ICETE 2023
Vehicle accident prevention on mountain roads	Patwardhan Piyush Petkar	Advanced Technologies
Unidirectional Parametric Speaker	Varad Patil Shantanu Pawar	Data Science and Advanced Computing (ICDSAC 2023)
Conversion of satellite images to google maps using GAN	Ninad Ekbote,Atharav Deshpande	ICICV
Twitter Sentiment analysis on Political Tweets	Dhanawade A,Dhopade M	ICMLIP
Surya Namaskar Pose Estimation and Correction Using Machine Learning	Joshi K,kelkar S	ICMLIP
EEG Based confused mental state detection and analysis	Ankita Kumari	3rd International Conference on Machine Learning and Information processing
An ensemble for satellite image to map layout translation	Soham Dasare	ICICCT190
Smart City Web Application	Sourjadip Pramanik, Vaibhav Kadam	ICAIDS
CyberGuard – Guarding Against Deceptive Websites	Rutuja NAgdekar,Athar va Naik	confulence
Multi-Model Biometric Authentication using Gait Analysis and RFID	Soumil paranjpay,Parth Kulkarni	IATMSI
listenbot – augment reality based speech to sign language conversion	Tanmay Adbale,Vaibhavi Jorvekar	confulence

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Paper	Author	Conference Title
Comparative Analysis and Evaluation of Pothole Detection Algorithms	Nayan Choure	ICICICT
FireLens: A Deep Learning Solution for Wildfire Identification	Parag Salunkhe,Sartha k Jaybhay	ESCI-2024 AISSMS IOIT PUNE International Conference on Emerging Smart Computing
A Comparative Study of Power Optimization Techniques for Microcontroller based IoT Applications	Chirag Bhandari,Harshit a Jain	International Conference on Advances in Electrical, Computing,
Diabetic Retinopathy Detection: EfficientNet with SAP BTP	Hrishikesh Zope	IEEE IATMSI-2024
Bidirectional Sign Language Assistant with MediaPipe Integration	Yashashree Shastri,Syeda Zarah Aiman	6th IEEE International Conference on Emerging Smart Computing & Informatics (ESCI 2024)
Multimodal Sentiment Analysis: Integrating Text and Image-based Approaches	Neha Kadam,Varsha Kadam	2024 IEEE International Conference on Contemporary Computing and Communications(InC4)
IoT based smart wearables for mine worker's safety	Vaibhav Shahabade, Vaibhavi Jorvekar, Manasi Yadav, Yash Wavare, Suraj Upadhye	2ND ONLINE INTERNATIONAL CONFERENCE ON ARTIFICIAL INTELLIGENCE AND SUSTAINABLE COMPUTING FOR SMART CITIES: AIS2C2
Vision-Based Squat Correctness System	Yash Wavare, Manasi Yadav	2023 IEEE International Conference on Blockchain and Distributed Systems Security (ICBDS)
Offside Detection for Better Decision- Making and Gameplay in Football	Devyani Thokal, Mohd Ashhar Ullah	2023 IEEE International Conference on Blockchain and Distributed Systems Security (ICBDS)
Design and Development of Load Shifting Mechanism	MD Anzar Shahapure, Rohit Rathod, Varad Gadgil, Juned Namaji, Harsh Shrivastv, Soham Kamate	ICSISCET



# Publications

Paper	Author	Conference Title
Golf Shot Swing Recognition Using Dense Optical Flow	Shreyas Sirshikar, Swagat Kulkarni	2023 IEEE International Conference on Blockchain and Distributed Systems Security (ICBDS)
Vision-Based Snake Species Classification System	Komal Shinde, Harshal Sonarkar	2023 6th International Conference on Contemporary Computing and Informatics (IC3I)
Color and Texture Based Similarity Search to Enable Secure Image Sharing on Social Media Platforms	Aniruddha Shrikhande	2023 3rd Asian Conference on Innovation in Technology (ASIANCON)
MODI Script Recognition System Using Zernike Moments and DCT Features	Swarali Sole, Tanmay Adbale	2023 3rd Asian Conference on Innovation in Technology (ASIANCON)
Autism Spectrum Disorder detection in children by calculating the distances between facial landmarks	Isha Venikar, Jaai Joshi	2023 14th International Conference on Computing Communication and Networking Technologies (ICCCNT)
Sanskrit OCR System	Yuvraj Yedle, Vaibhav Shahabade	International Conference on Advanced Communication and Intelligent Systems
Integrating Scene and Text Recognition for Improved Scene Caption to Assist Visually Impaired	Mayank Jha, Nirmay Meshram, Narendra Muhal, Unmesh Naik	International Conference on Advanced Communication and Intelligent Systems
Vision-Based Cyclist Travel Lane and Helmet Detection	Madhusha Shete	International Conference on Machine Learning, IoT and Big Data
A Content Based Image Retrieval System for Biodiversity System	Rohit Agrawal, Vineet Pawar	2023 4th IEEE Global Conference for Advancement in Technology (GCAT)
Anomalous Behavior Detection in Surveillance Cameras Using Optical Flow	Nikhil Rane, Paras Palli	: 2023 IEEE International Conference on Blockchain and
The Advance Security System	Bhole, G., Bele, S., Bhoge, B., Bhosale, A.	2023 IEEE 8th International Conference for Convergence in Technology (I2CT)

# Publications

Paper	Autor	Conference Title
Human Activity Recognition Using Hybrid Feature Extraction and Machine Learning	Suraj Mane;Zuben Khan	IEEE 1st International Conference on Ambient Intelligence, Knowledge Informatics and Industrial Electronics-AIKIE 2023
Real-Time Sign Language Detection	Joshi, A., Thaploo, A., Auti, S., Awalgaonkar, A.	2023 2nd International Conference on Futuristic Technologies (INCOFT)
Arduino Based Smart Vacuum Cleaner Robot	Lakhote, S., Kadam, M., ... Kothawade, A., Gawande, A.	2023 2nd International Conference on Futuristic Technologies (INCOFT)
3D Printed Robotic Arm using Hand Gestures	Kshirsagar, K., Kulkarni, V., Lambat, H., Lambe, M.	2023 7th International Conference on I- SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC)
Bio-sonification “ Converting Microcurrent Fluctuations of Plant Leaves into Sound	Lathiya, D., Kurade, S., Likhitar, P., Lokhande, T.	2023 7th International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC)
Smart Helmet and Health Monitoring Kit for Mining Workers	Andhale, A., Chaudhari, R., ... Harak, N., Hiwrale, K.	2023 2nd International Conference on Futuristic Technologies (INCOFT)
AI Powered Multilingual Meeting Summarization	Madura Shelake Rohit Agarwal	International Conference on Confluence The Next Generation Information Technology Summit (Confluence)
Smart blind Stick Object Detection and GPS Integration for Enhanced Mobility	Vedant Kulkarni Apoorv Kalmalkar	ICICIT 2024
Oil Spill Image Classification: Comparative Analysis of Alternative Approaches	Badal Kushawa Vaishnavi Jorvekar	IEEE Third International Conference on Power Electronics, Intelligent Control and Energy Systems
“Arduino Uno-Based Adaptive Parking System.”	Krushana Kalmalkar Prathmesh Katepallewar	ICICT 2024
Health care chatbot	Seema Pawar Pulkit	ICONIC 2K24
Structural Health Monitoring of Railway Track	Anish Joshi, Soham Akotkar, Eknath AGrawal, Aastha Agarwal	CISCON



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Paper	Author	Conference Title
Canine Guard: A Novel Canine Repellent System Using Ultrasonic Wave Modulation	Amaya Kazi omkar kanadkhedkar ROHIT KAWTHEKAR	International Conference on Intelligent Systems for Cybersecurity (ISCS)
Machine Learning- Based Diabetic Retinopathy Detection Using Iris Texture Feature Extraction	Paras palli	IC4S'05
Mobility Plus: Voice Controlled Wheel Chair With Health Monitoring System and Oxygen Cylinder Integration	Harsh Shrivastav;Jash Rupani;Nikita Harak	7th International Conference on Inventive Technologies (ICICT 2024)
AUTOMATED DIVIDER PAINTING SYSTEM"	Yuvraj Kalmalkar	4th International Conference on Computer Vision and Robotics
Vision Based Floating Garbage Classification using SIFT	Sarthak Bhake; Rushikesh Mali; Sahil Parekh	ICACTA
Sports Activity Recognition- Shot Put, Discus, Hammer and Javelin Throw	S., Aurangabadkar, G., Awale, C., & Awale, S.	Lecture Notes in Networks and Systems
Intelligent IoT based Water Heater Control System with Safety Features and Interactive ChatbotIntegration	Mohole, Pahade, Gedam, Diware	7th International Conference on Inventive Technologies (ICICT 2024)
Vision Based Open Manhole Detection for Viually Impaired Person	Duddalwar, Jaiswal	ICSES-2023
IoT based Smart Poultry Farm and Fish Farming System	Mantesh Mhetre, Aayush Mor and Prit Mali	ISTEMS
A Piezoelectric based platform for energy harvesting	Dhurvesh Kamble Santosh Kapil	World Congress on Smart Computing
Calender Application that Messages Event Appointment	Janvi Snehal Payal	ICIAEM
AeroMag Detect: Intelligent Drone System for Magnetic Anomaly Identification	Sobit sai Abhijit	International Conference on Sustainable Computing and Smart Systems
Blood Guard- Innovative Blood Storage System	Nimisha Chitrav, Sanskruti Nikumbh, Vedant Khodake, Gaurav Jaisinghani, Jay Mehta	Int. Conf. - ICICV

# Publications

Paper	Author	Conference Title
FlameGuard a smart system for forest fire detection and control	Shreya Daga,chashu Agrawal	ICIPCN
Eye tracking based wheelchair control and SOS System	Pranav Dalve,chirag Bhandari	ISTEMS
Sentiment analysis on twitter through machine learning a comprehensive approach with user centric visualisations	Archis Khuspe,Agnibha Sarkar	ICCCCS
Generative vs Intent- based Chatbot for Judicial Advice	Shreya Roy,Sarang zanwar	IATMSI
Market analysis of various types of rapid testing glucose level equipments	Utkarsh Anuse,Akshay Aadarsh	ICWITE
Jal-Tarang smart buoy for wave height measurement	Anish Patil,Utkarsh ANUSE	ICCST
a full proof question paper leakage detection and avoidance system	pratik daga,resham bhattad	ICPEICES
A full proof question paper leakage detection system	pratik daga,resham bhattad	3rd International Conference on power electronics intelligent control and energy systems
A Smart Surveillance System for Video- Based Vehicle Detection and Speed Monitoring	Bhadange, Bhattad, Daga P.	InCACCT 2nd International Conference on Advancement in Computation
"Video Summarization System using NLP and Latent Semantic Analysis"	Aditya Charmal;Rohan Bhole	International Conference on Electronics, Communication, Computing and Control Technology
Smart CCTV Video Summarization: A Deep Learning Fusion of YOLO and DeepSORT Algorithms	Aditya Ingale;Rushikesh Joshi;Gajanan Kulkarni	INCET
a comprehensive study of object detection and lane tracking techniques for advanced driver	tejas gaikwad,archis khupse	ICCCCS



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Paper Title	Authors	Conference Title
Design of a 4-Bit 4- Operand Adder Using Verilog: An Abstraction Analysis	Janhavi Kale, Rajnandin i Kamble, Karan Paigude	IEEE SCEECS 2024
Soldier Health and Position Monitoring System	Vinit Patel, Nikhil Yeware, G anesh Thombre	IEEE SCEECS 2024
Blind Text Reader and Currency Detector Using Raspberry Pi	Gaurav Bhole, Arjun Tyagi, Tyagi Anushka	7th International Conference On Computing, Communication, Control And Automation, ICCUBEA 2023
A 4-Input 8-Bit Comparator with Enhanced Binary Subtraction	Kshitija Dupare, Tushar Ganvir, Shivani Dhumal	6th International Conference on Communication and Computational Technologies
Simulation and Analysis of six T SRAM Cell in NGSpice	Tanaya Dahatonde , Nivedita Dannali, Arya Chopda	PEIS 2024
Design of Double Precision Floating Point Comparator for multiple inputs	Harshal Daigavhan e, Swarali Damle	PEIS 2024
FPGA-Based 8-bit True Random Number Generator	Gauri Gund, Sagar Ingle, Sanika Jamdade	I2CT 2024
High Performance Logarithmic Multipliers	Arya Joshi, Vedant Bhagwan, Aryan Thaploo	ICCCT 2024
FPGA Based Optimized Object Detection	Vedant Kulkarni, Harsh Lambat, Mansi Lambe	MIAR-24
Power Tools Classification using FPGA	Swanand Patwardha n, Rajat Patil, Piyush Pethkar	ICSCSS 2024
OBJECT DETECTION AND COMMUNICATION USING FPGA	Jescintha Poruthur, Akanksha Pawar, Mansi Patil	ICIPCN 2024
AI-Powered Plant Health Advisor	Roshan Thorat, Om Uikey, Mayur Tidake	ETBS 2024
Code Insight - Flowchart Generator	Vaibhav Shingde, Aman Chavare, Tejas Bhagwat	
Implementation of a High-Performance 32- bit floating point multiplier via Karastuba Algorithm	Divyanshu Chore, Harshdeep Gawhale	CRM 2024

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Paper Title	Authors	Conference Title
Smart Parking System Using FPGA	Atharv Mali, Bhagwat Kolekar, Tejas Lokhande	AEDC 2024
Configurable Multi- Image Transposed Steganography on FPGA	Om Tidke, Sahish Pandav, Madhura Pande	AEDC 2024
Pattern Recognition on Neural Networks using FPGA	Sarthak Pandit, Hitesh Pariani, Kartik Parsodkar	AEDC 2024
FPGA based Lane detection system	Pranjali Nikude, Tejas Patil, Prashik Tambe	AEDC 2024
High Efficiency, Low Power Divider using FPGA	Pranav Chougule, Shyam Pawar, Siddhant Pusate	AEDC 2024
ELLIPTIC CURVE CRYPTOGRAPHY (ECC) IMPLEMENTATION USING VERILOG	Raj Mali, MD Anzar Shahapure , Prajakta More	AEDC 2024
Development and Deployment of High- Precision Floating Point Comparator	Amit Samarth, Riya Shah, Sanchit Sawarkar	AEDC 2024
Design and Implementation of ALU for16-bit single- cycle MIPS processor	Sahil Salve, Tayyab Shaikh,Shafaque Sheikh	Micro 2024
Multi-Operand Cryptographic Number Analyzer	Rohit Rathod, Abhijeet Salunkhe, Sandesh Bagmare	AEDC 2024
Deep Learning Model AI Produced & Face recognition Image.	Janhavi Kale, Rajnandan i Kamble,K aran Paigude	International Conference on Emerging Applications of Artificial Intelligence Machine Learning and Cybersecurity.
Decentralized Online Conferencing platform using Ethereum Blockchain	Juned Namaji,M ahesh Kadan,So ham Kamate	ICAMC- 2024
Design Of BLDC Motor Controller Asic With Integrated Encoder Feedback	Manas Rathi, Pranav Raundal, Sakshi Giribuva	Micro 2024
Identification of Individual from Group Photo Using Face	Dhane, P., Shelke, D., Dheple, P., Dhumal, S	2023 International Conference on Advances in Computation, Communication and Information Technology (ICAICIT)

# Publications

Paper Title	Author	Conference Title
Human Disease Prediction Using Machine Learning	Mohinee Jadhav, and Ishita Kadam	2024 International Conference on Emerging Smart Computing and Informatics (ESCI)
Renewable Energy Trading Platform using Blockchain	Aditya Shinde, Zayd Ansari, Nahush Ambulgekar	Procedia Computer Science
Virtual Surveillance Oversight System	Sagar Suryawanshi, and Mohan Sonawane.	Sustainable AI for Multidisciplinary Applications 25th to 27th April 2024
Leveraging AI for Enhanced Road Safety: A Comprehensive System for Pothole Detection	Varun Sanghavi, Tasmay Shah, Sankalp Savane, Priya Belgamwar	Conference on Artificial Intelligence
Advancements in Sign Language Recognition: Empowering Communication for Individuals with Speech Impairments	Shubham Nilesh Puniwala <sup>2</sup> , Vedant Nitin Rane <sup>3</sup> and Prathamesh Gurav	Hinweis Second International Conference on Advanced in Information, Telecommunication and Computing (AITC) Hybrid Mode; April 27-28, 2024 <a href="https://aitc.thehinweis.com/2024">https://aitc.thehinweis.com/2024</a>
Underwater Object Detection and Tracking	Swanand Patwardhan	7th International Conference on Inventive Computation Technologies, ICICT 2024 24-26, April 2024
Detection of Counterfeit Products with QR Codes using Blockchain Technology	Patil, R., Pawar, S., & Pujari, N	The International Conference on Circuit, Power and Computing Technologies ICCPCT-2024, Basavanna Mathews II College of Engineering on 8th
Automated Brain Tumor detection using image processing techniques	Patil, M., Pawar, A., & Poruthur, J.	5th International Conference on Image Processing and Capsule Networks ICIPCN - 2024, 3-4, July 2024, Kathmandu University Dhulikhel, Nepal
Wildlife Classification Using CNN	Nikude, P., Patil, T., & Tambe, P	7th International Conference on Inventive Computation Technologies, ICICT 2024 24-26, April 2024 Lalitpur, Nepal
Movie & Song Recommendation using Facial Emotion Recognition	Pranav Pawar <sup>2</sup> , Pranav Chougale <sup>3</sup> , Siddhant Pusate <sup>4</sup>	Intelligent Communication, Control and Devices (ICICCD 2024)
ANN based power estimation for VLSI circuits	Shweta Wankhede, Mahek Zade, Sandesh Tangade	Micro 2024



# Publications

Paper Title	Authors	Conference Title
Brain Tumor Detection using Convolutional Neural Network	Amay S Chivate, Ananya Chavan, Prajyot Ambekar, Ameya Pangavha ne	International Joint Conference on Advances in Computational Intelligence. IJCACI 2022. Algorithms for Intelligent Systems. Springer, Singapore.
Health Monitoring of Railway Track	Anay Joshi	XX CONTROL INSTRUMENTATION SYSTEMS CONFERENCE (OCTOBER 6-7, 2023), ORGANIZED BY THE DEPARTMENT OF INSTRUMENTATION AND CONTROL ENGINEERING, MIT Manipal
YouTube Transcript Summarizer Using HuggingFace Transformer	Kshitija Dupare, Prashik Dupare, Tushar Ganvir, Rutvik Ghode	5th International Conference on Communication and Intelligent Systems (ICCIS 2023) Organized in In-person and Online (Hybrid Mode) by Malaviya National Institute of Technology Jaipur, India Technically Sponsored by Soft Computing Research Society
Smart Agriculture and Plant Disease Prediction	Patil, G.N. Patil, G.R. Pujari, H. Rathod, P.	14th International Conference on Advances in Computing, Control, and Telecommunication Technologies, ACT
Smart Agriculture System using IoT	Kate, S., Khandelw al, D., Khaple, S., Kharade, A.	14th International Conference on Advances in Computing, Control, and Telecommunication Technologies, ACT 2023
A9G-based Dementia GPS Tracker	Thopate, K. , Chame, A. Arthamwa r, V. , Khadde, M.	7th International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud), I-SMAC 2023 -
Smart Car Using IoT and Image Processing	Kamtalwar, N. , Karadbhajne, H. Kendre, H. Ketkar, O.	2023 7th International Conference On Computing, Communication, Control And Automation, ICCUBEA
Accident Detection and Prevention for Advanced Driver Assistance System	Sangale, O. Sawant, Y., Gujar, S.	Smart Innovation, Systems and Technologies, 2024, 376, pp. 181–193

# Publications

Paper Title	Authors	Conference Title
Choosing the best metrics for quantifying the quality of the model in skewed binary classification problems	Anushka Hedao	AIP Conference Proceedings, 2024, 2816(1), 120004
Smart Home : Automatic Plant Watering and Intruder Detection System	Yuvraj Jadhav, Prem Jadhavar , Tanaya Jadhav, Dnyaneshwari Jagdale, Ayush Jagtap, Soniya Jadhav	ICCIC 2023
AI-Based Police Penal Code Identification Based on Keywords in FIR Report	Shalmali Bhalerao, Sharayu Chakole, Rituraj Sharma	Second International Conference on Emerging Trends in Information Technology and Engineering(ic-ETITE'24)
Real Time Sign Language Detection	Sarthak Auti	2nd IEEE International Conference on Vision Towards Emerging Trends in Communication and Networking Technologies
Robust Criminal Identification System for Recognition of Obscure and Hidden Faces	Pratiksha Shinde , Kamlesh Shintre, Virendra Shelke	2nd International Conference on Futuristic Technologies (INCOFT) 2023
Ration Reach: Automatic Ration Distribution System	Mayur Talewar, Soham Tak, Sameer Tadavi, Supriya surve	2023 International Conference on Integration of Computational Intelligent System (ICICIS)
Automated Wave Height Measurement and Analysis through Image Processing: A Computer Vision Approach for Oceanography	Priyanka Acharya, Anvay Deshpande, Ankita Kumari, Ashfan Khan	International Conference on Image Processing and Communication Networks
Bidirectional Sign Language Assistant with MediaPipe Integration	Yashashree Shastri, Syeda Zarah Aiman	6th IEEE International Conference on Emerging Smart Computing & Informatics (ESCI 2024)
Image based identification of Millets using Fusion of Hu Moments and LBP	Kaustubh Chavan	International Conference on Sustainable Computing
Image Talk: A Model for Image Caption Generation with Voice	Akash Bhadange, Rohan Bhole	IEEE 2023 2nd International Conference on Futuristic Technologies (INCOFT)

# Publications

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Paper Title	Authors	Conference Title
FlameGuard: A smart system for forest fire detection and control	Akash Bhadange, Soham Dasare, Resham Bhattad	Springer 2023 International Conference on Information, Communication and Computing Technology
JAL TARANG: A Smart Bouy for wave height measurement	Shreya Daga , Chashu Agrawal , Pranav Dalve, Chirag Bhandari	4th International Conference on Image Processing and Capsule Networks (ICIPCN – 2023).
Market Analysis of Rapid Glucose Testing Equipments	Akshay Aadarsh & Utkarsh Anuse	The International Carnahan Conference on Security Technology, sponsored by IEEE
Mobile Phone Detection and Alcohol Detection with Engine Locking for the Prevention of Car Accidents	Akshay Aadarsh & Utkarsh Anuse	International Conference for Women in Innovation, Technology and Entrepreneurship
Automated Pothole Detection and Mapping for Road Maintenance	Hepat, O., Humne, S., Bhadke, H., Inani, H.	2024 4th International Conference on Advance Computing and Innovative Technologies in Engineering, ICACITE 2024, 2024,

**NOTE:** *The Patents and Publications mentioned above are for academic year 2023–24. Subsequent entries will be updated in the upcoming volume.*



# INDUSTRY SPONSORED



*Bridging innovation and industry, one project at a time.  
Real-world impact, driven by student ingenuity."*

# Industry Sponsored

Name of college teaching member under whose supervision the students completed their project	Names of students that received project sponsorship	Name of the industry or organization that provided sponsorship	Title of Sponsored Project
Prof. (Dr.) Siddharth Bhorge	Shubham Nilesh Puniwala, Vedant Nitin Rane, Sankalp Sunil Savane	DG Associates	Predictive Maintenance System using Machine Learning and Signal Processing Techniques for Vibration Analysis.
Prof. Medha Wyawahare	Sidhant Andure, Swaroop Atreya, Chetan Jain	Urja Vision	PayPrint
Dr. Shital Raut	Simran Pathan, Payal Chavan, Rahul Diware	Smarttect Solutions	Smart Baby Cardel Using IOT
Dr. Abhay Chopde (ext guide SVK)	Piyush Vilas Wardhe, Swapnil Vijaykumar Pamu, Aditya Janardan Jilla and Priyanshu Sanjay Dambhare	I4C	Real-Time Operational Intelligence For Vehicle Parameters Monitoring System Using CAN-BUS
Dr. Ashwinee Pulujkar	Shailesh Waghmode, Aditya walsepatil, Yash telkhade	AlphaRaw firm	Alpha Style Website: Integrated Clothing and Payment Platform
Dr. Jyoti Madake	Vaishnavi Deshmukh, Prutha Deshpande, Aryan Dharmadhikari	TaskLance Analytics	Automated Student Safety and Attendance Monitoring System
Prof. Jyoti Madake	Sanika Jadhav, Yuvraj Jadhav, Jai Ughade	Athena Automation	Real-time CNC Machine Health Monitoring and Diagnostics System
Dr. Swati Shilaskar	Avishkar Panaskar, Aryan Panindre, Neha Pansare	PHN Technology Private Limited	Digital Measuring TAPE using rotary encoder
Prof. Milind Tirmare	Krushna Kalamkar, Kartik Khope, Prathmesh Katepallewar	Ultraskill Solutions	ClientConnect

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Name of college teaching member under whose supervision the students completed their project	Names of students that received project sponsorship	Name of the industry or organization that provided sponsorship	Title of Sponsored Project
Prof. Jyoti Madake	Sanika Jadhav, Yuvraj Jadhav, Jai Ughade	Athena Automation	Real-time CNC Machine Health Monitoring and Diagnostics System
Dr. Swati Shilaskar	Avishkar Panaskar, Aryan Panindre, Neha Pansare	PHN Technology Private Limited	Digital Measuring TAPE using rotary encoder
Dr. Jyoti Madake	Girish Bagul, Vedant Bailmare, Shrey Barve, Pratham Bisen	ZOQUE	Website Development for ZOQUE
Prof. Milind Kamble	Prathamesh Gurav, Ritesh Jadhav, Rudra Bhandari	Shriniwas Enterprises	Automated Detection and Quality Assurance of Filler Neck Through Holes in Manufacturing
Dr. Jyoti Madake	Yuvraj Inamdar , Harshit Inani , Atharva jadhav	Athena Automation	An Application for Supervisory control for CNC Lathes
Prof. Abhay Chopde	Owi Bartakke, Gajanan Baviskar, Prerna Chawla	CITILIGHT	Smart Solar Street Light with Energy Storage and Control
Dr. Ashwinee Pulujkar	Palash Bhivgade, Prathamesh Palshikar, Karansingh Pardeshi	Vishwas Vaidya – Engineering Consultant	Optimizing Hardware Pin for fog lamps in Automotive Body Control Modules(BCM)
Dr. Ashwinee Pulujkar	Aditya Susheel Mandke , Shreya Krishna Nikole , Ashutosh Parbhankar	SATARA MEGA FOOD PARK PVT.LTD.	Design and Development of a robotic arm using automated optical alignment
Prof. Vijay Mane	Shantanu Khopade, Vivek Shejole, Mohit Shinde	Vigilant Techno Services	DDOS Mitigation System
Prof. Dr Vijay Mane	Devang Shirode, Shivansh Saraswat, Manas Tilak	Embedded Techno Products	Inductive Based Direction and Speed Sensor



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Name of college teaching member under whose supervision the students completed their project	Names of students that received project sponsorship	Name of the industry or organization that provided sponsorship	Title of Sponsored Project
Prof. Dr. Abhay Chopade	Aagam Kothari, Ankita Dhage, Sandesh Bellale	Esbee Electronics	IR remote controller for ac cooler
Dr. Jyoti Madake	Arya Doshi, Chinmay Inamdar, Swadha Joshi	Learn and Empower Private Limited	Sign Language Detection and Translation to Text
Dr. Ashwinee Pulujkar	Prit Mali, Kumar Nandwalkar, Mayank Nikose	Vishwas Vaidya Engineering Consultant	Frugal Engineering Innovation in BCM for Flasher System
Prof. Jyoti Madake	Chandrashekhar, Atharva, Soham	Nayandeep Constructions	Web Development for Interior Designing Company
Prof. Dr. Jyoti Madake , Prof. Dr. Swati Shilaskar	Aarya Deshmukh , Om Deshmukh , Soham Deshmukh	SVR Robotics	Duct Cleaning Robot
Dr. Ashwinee Pulujkar	Owi Bartakke, Gajanan Baviskar, Prerna Chawla	Engineering consultant and Industry faculty	Bicycle Dynamo based battery charging
Dr. Jyoti Madake	Akhilesh Mane, Atharva Awate, Amey Bhagwatkar	Apurva Collection	E-Commerce Website
Prof. Sunil Tayde	Prathamesh Pardeshi , Ekta Ispande, Kunthal Raisonni	CBP Industries Pvt. Ltd.	OTP Based locker for time flexibility and safe delivery.
Dr. Swati Shilaskar	Yash Garale, Abhishek Ghume, Aniruddha Gondkar	Pragmatic TechSoft	VoxMind: AI-Powered Avatar with Intelligent Voice Responses
Dr. Swati Shilaskar	Hemashri Patil, Krushna Patil, Yash Manala	Z-plus cyber security	3D Model generation with ORB-SLAM Using Single Image
PROF. (DR.) VIJAY MAHADEO MANE	Shraddha Patel, Prachi Shrirao, Swarali Mahajan, Om Umale	Ashtavinayaka Energy Infra Pvt. Ltd	Real-Time Monitoring System for Transportable Cold Storages
Dr. Jyoti Madake	Pranjal Gajbhiye, Chaitali Hadkar, Shanvi Jakkan	Shriniwas Enterprises	Object Detection of missing components in Relay Box

# Industry Sponsored

Name of college teaching member under whose supervision the students completed their project	Names of students that received project sponsorship	Name of the industry or organization that provided sponsorship	Title of Sponsored Project
Prof. Sunil Tayde	Rajvardhan Patil, Sushant Patil, Tanisha Patil	Innovista Automation	Blue interlock assembly testing rig
Dr. Ashwinee Pulujkar	Gargi Sandey, Swaroop Gudi, Harsh Hulenwar	Lightning Technologies	Design and Implementation of a Portable Bootloader for Enhanced Firmware Management in Microcontrollers
Dr. Vaishali Jabade	Vansh Sharda, Nimish Wani, Sarwadnya Wasu	Swami Samarth Control Systems	Programming PLC using Ladder Logic
Dr. Vijay Mane	Anuj Udupure, Dnyanesh Ujalambkar, Varun Patil	Icon Infoline Pvt. Ltd	Zero trust security implementation using fingerprint biometrics using cloud services
Dr. Vaishali Jabade	Sarvesh Nandanwar, Vaidehi Shirurkar, Sanidhya Tiwari	Shiv Technology	Conveyor Belt Control Panel
Prof. Ashwinee Pulujkar	Sanket D. Sawant, Rushikesh D. Tele, Pratik F. Nichit	Sanika Plast Private Limited	Fire Detection and Avoidance System for Warehouse
Dr. Vaishali Jabade	Mrinal Potdar, Prerak Gadpayale, Khushi Purwar	Learn and Empower Pvt Ltd	A web-based counselling appointment booking platform for the people suffering from mental health related issues
Dr. Medha Wyawahare	Shreyas Phansalkar Vinayak, Pushpa, Raghavi Narayanan	RITESHRI UDYOG PRIVATE LIMITED	Security door that will be accessed using a card or a key and the access will be updated on Google sheet
Jyoti Madake	Samarth Arole, Aryan Mundra, Ashish Rodi	Kimaya Infotech	Internet Connected Fingerprint module

# Industry Sponsored

Name of college teaching member under whose supervision the students completed their project	Names of students that received project sponsorship	Name of the industry or organization that provided sponsorship	Title of Sponsored Project
Medha Wyawahare	Lavanya Saindane, Aashish Sankalecha, Shreya Kalel	Systech Solutions	Adaptive Thermal Management System with Modulated Fan Speed Control for Optimized Cooling Efficiency
Ashwini Barbadekar	Uday Dandekar, Pratham Dattawade, Aditya Dhakane	Madhura Power Technologies	BMS Monitoring System
Prof. Milind kamble	Vijay Gore , Harsh Wadekar, Aditya Wani	Raymond UCO Denim Pvt. Ltd.	Testing Data Entry App
Shital Pawar	Samruddhi Sangole, Vallabh Sangvikar, Srushti Sapkal	SVR Robotics Pvt Ltd	NOVA – Voice-Assisted Bipedal Robot with 6 Degrees of Freedom
Dr. Shittal Pawar Mam	Yash Tambe , Swaraj Todkar , Aryan Uike	Techno Circuits India PVT. LTD	Bluetooth Speaker
Siddharth Bhorge, Vaishali Jabade	Amey Pusegaonkar, Vrushabh Revankar, Rohan sonji	M/s NSAFE TECHNOLOGIES LLP , MIGCON	Air Monitoring System, Environmental Parameter Datalogger
Prof. (Dr.) Medha Wyawahare	Anurag Patankar, Payal Kohade, Soham Pethkar	Codex Solutions Private Limited	DVT Sleeves Leakage Testing System.
Milind Tirmare	Samrudhi Dahiwelkar, Sampada Sanap, Tanish Daine	Verto Engineering Corporation	Transformer overheat alert system
Prof. Dr. Vijay Mane	Srushti Gole, Aniruddha Sutawane, Tanvi Walthare	Flotech Solutions	Automation in Variable Speed Drives
Prof. Dr. Medha Wyawahare	Sharvari Bodas, Swarali Damle, Shoumik Daterao	Haldi.ai	Integrated AI framework for call center enhancement
Prof. Dr. Medha Wyawahare	Arya Chopda	Revogreen Technologies	Voltage and Current Monitoring System using Digital Power Meter



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Name of college teaching member under whose supervision the students completed their project	Names of students that received project sponsorship	Name of the industry or organization that provided sponsorship	Title of Sponsored Project
Abhay Chopde	Amit Barde , Atharva Chavan , Sapna Wajag	Yash Lifts Company	Automated Fire Suppression System for Electrical Panel Enclosures
Prof. Jyoti Madake	Ameya Vishwas Date, Megha Derkar, Akanksha Deshmukh, Aaroh Dinkar	Aaradhya Enterprises	Color Identifications of a foil filled in a bottle cap.
Abhay Chopde	Apoorv Karmalkar, Manas Kasodekar, Vedant Keche	IOTLYNX Technologies Pvt. Ltd.	Inventory Management using NFC
Dr.Sangeeta Kurundkar,Dr. Abhay chopade	Prathmesh Ravindra Jadhav, Sakshi Jayavant Mahadik, Ajinkya Dhananjay Sambare	Inter Institutional Inclusive Innovations Center – i4C	Industrial parameter analyzing using MSPMOG3507 via MODBUS



# THANK-YOU

JUNE 2024- MAY 2025

As the first volume of **Current Craze: E&TC E-bulletin** comes to a close, the editorial team conveys its **heartfelt thanks to everyone who helped make this endeavour a success**. We express our sincerest gratitude to Dr. Prof. Medha Wyawahare Ma'am and Prof. Vaishali Jabade Ma'am for their continuous support and guidance.

We would also like to extend our **thanks to the faculty of E&TC department** who shared valuable data with us including patents and publication data, social events data and industry related data. This edition would not have been complete without their assistance.

Last, but most definitely not the least, we would like to extend out **heartfelt thanks to the very students of E&TC department** who not only won so many accolades across different fields, but also shared the data with us. Their whole hearted cooperation is much valued.

As the E&TC department keeps shining like a beacon in the sky, we, the editorial team will keep documenting these priceless moments in Current Craze. **Stay tuned for the next edition soon covering the magnificent achievements in the year 2025-26!**