

Annual Report 2024-25

I. Department Achievement

- Patent registered for publication for title a “Artificial Intelligence Based Robotics For Automatic Material Handling And Sorting In Warehouse” on 12 July 2024 by Prof. Pranita Pingale.
- Won Best paper award in National Symposium IETE Kolkata on “Design of EBG Based Stacked WBAN Antenna" on 15 July 2024 By Prof. Sonal Hutke.
- Patent registered for publication for title a " A secure interface for IoT Devices enabled smart homes using block chain Technology" on 24 December 2024 by Prof. Swapnil Wani and Prof. Manosha Shashikaran.
- Patent registered for publication for title a "A near field communication technology based apparel fabric " on 20 March 2025 by Dr. Sonal Hutke and Dr. Sulochana Madachane.
- Dr. Sonal Hutke CSE(IOT&CSIBCT) Completed PhD in Electronics and Telecommunication Engineering on “Design and Analysis of Textile Antenna for Wearable Application” from Sant Gadge Baba Amravati University, Amravati, Maharashtra.

II. Collaboration (MoUs)

- Dr. Sulochana Madachane signed MoU with iFuture Techonlogy private. Ltd Celestelaron 20th September 2024 provides Internship, workshop, seminar, scholarship.

III. Initiatives

- Industry professionals and alumni were actively involved in the final year project review process, providing valuable insights, feedback, and real-world relevance to student projects.
- Department of CSE (IoT&CSIBCT) conducted 6 industry expert talks and 6 workshop which included experts from Capgemini, Accenture etc.
- A thrilling 3-day Capture the Flag (CTF) event held from September 17-19, hosted by the department in collaboration with Pods Technology Solutions. This intra-college event attracted over 100 student registrations within a single day, showcasing the popularity and enthusiasm of the participants.
- The CSE-IOT Department organized an Two Industrial Visit to Indian Metrology Department (IMD), Mumbai 13th March 2025 and 26th March 2025 Total 26 students visited.



IV. Academic/Technical Achievements of Students

SE, TE and BE CSE-IOT students actively participated in the Hackathon, National Level Skill Oympics, CTF competition

SR. NO.	Name of Student	Year /Sem	Organization
1	Vedshri Salunkhe Harsh patil	TE/VI	Hackathon (Winner) - Enigma 3.0, Codebyte 1.0 (top 10)
2	Hrishikesh Garuge	SE/IV	Nirman Hackathon
3	Omkar Gorde	BE/VIII	Representation of College at National Level Skill Oympics
4	Reisha kumar	SE/IV	chakravyuh CTF competition
5	Abdurrahman Sarguroh Sahil Pawar Sameer Yadav Siddhesh Tambe	TE/VI	chakravyuh CTF competition (secured third place)
6	Abijith Anna Atharva Gawas Shubranil Paul Sanmith Salian	SE/IV	Chakravyuha CTF , VishwaCTF, GDG SIESGST Cyberstorm CTF, GDG SIESGST Cyberstrom x Redfox CTF finals (offline), Pentathlon CTF 2025
7	Adithya Venkat Siddesh Venkat Aryan Pawar Sharlie Chauhan	SE/IV	CIIA Exhibition
8	Reisha kumar	SE/IV	Cyber Storm
9	Utkarsh Binekar Koshik Mehta Balaji Mooppanar	SE/IV	Hackverse
10	Abijith Anna, Atharva Gawas Shubranil Paul, Sanmith Salian	SE/IV	HTB Cyberapocalypse CTF (59th Globally)
11	Amruthesh Sudheer Kavya Amin	TE/VI	Ideathon,Hackathon,CTF (Participation, Winner,Finalist)
12	Shruti Rawat, Pravanshu Maji Ashish Mishra, Hrishikesh Garige	TE/VI	VishwaCTF, Apoorv CTF, CodeCrafters 2.0
13	29 Students completed “Google Cybersecurity” course from Coursera.	SE/TE/BE	Google Cybersecurity” course from Coursera.
14	83 students	SE/TE/BE	joined cyber security and digital forensics virtual training

- Omkar Gorde Final year CSE(IoT&CSIBCT) student is winner of Skill-India Medalion of Excellence: Maha Skills Gold Medal in June 2024. He secured 1st place at the Project Presentation and Exhibition Competition at Atharva College of Engineering in August 2024.
- Vedshri Salunkhe Harsh patil TE/VI Hackathon (Winner) - Enigma 3.0, Codebyte 1.0 (top 10)
- Omkar Gorde BE/VIII Representation of College at National Level Skill Oympics
- Abijith Anna, Atharva Gawas, Shubranil Paul, Sanmith Salian SE/ IV Chakravyuha CTF , VishwaCTF, GDG SIESGST Cyberstorm CTF, GDG SIESGST Cyberstrom x Redfox CTF finals (offline), Pentathon CTF 2025
- Adithya Venkat, Siddesh Venkat, Aryan Pawar, Sharlie Chauhan SE/IV CIIA Exhibition
- Abijith Anna, Atharva Gawas, Shubranil Paul, Sanmith Salian SE/ IV HTB Cyberapocalypse CTF (59th Globally)
- Shruti Rawat, Pravanshu Maji, Ashish Mishra, Hrishikesh Garige TE/VI VishwaCTF, ApoorvCTF, CodeCrafters 2.0
- Siddhesh tambe, Sameer Yadav, Ashish Mishra, Soham Desai Secured 1st Rank in CTF hosted by Cybersecurity INDIA and Bsides Mumbai at Pune
- Vedant Shetty, TE/VI Winner of Cyberstorm held at SIES GST

V. Faculty Awards & Achievements

- Dr. Sonal Hutke Completed 12 weeks NPTEL Course on " Computer architecture and Organization ". in October 2024
- Prof . Swapnil Wani s certified as a Coach of AI for Youth Program in India on August 23, 2024.
- Prof . Prachi Shahane certified as a Coach of AI for Youth Program in India on August 23, 2024.
- Dr. Sonal Hutke Completed 12 weeks NPTEL Course on " Introduction to Industry 4.0 and Industrial Internet of Things". In May 2025
- Prof. Pranita Pingle Completed NPTEL course on Software Engineering in October 2024
- Prof. Swapnil Wani completed undergone Innovation Ambassador training Foudation Level in March 25
- Prof. Prachi Shahane completed undergone Innovation Ambassador training Advanced innovation ambassador certification in march 25
- Prof. Pranita Pingle Completed NPTEL course on cloud computing 12 week course in April 2025
- Prof. Pranita Pingle Completed NPTEL course on Cryptography and network security 12 week course in April 2025
- Prof . Yasmeen Attar completed Coursera Course Certificate for AI For Everyone in February 2025

VI. Paper Publications by Students and Faculties

Sr. No.	Name of Faculty	Title of paper	Name of Journal	ISSN/ SBN No	Year	Volume	REMARK UGC Approved
1	Dr. Sonal Hutke	Electromagnetic Band Gap Structure Embodied Low Specific Absorption Rate Hexagonal Ring Wearable Textile Antenna	International Journal Of Microwave And Optical Technology, Xvol. 19, No.5,	1553-0396	Sep-24	19	yes
2	Prof Swapnil Wani	Agritech - An Innovative Farming Solution	International Journal of Research and Analytical Reviews	2348-1269	Apr-25	12	yes
3	Prof Swapnil Wani	SAFEConnect: A Dual-Function Emergency Alert System Using Arduino Nano, GPS, and GSM Modules	International Journal of Scientific Development and Research	2455-2631	Apr-25	10	Yes
4	Prof Swapnil Wani	Landmine Detection Rover: An Autonomous System for Humanitarian Demining	International Journal for Research in Engineering Application & Management	2454-9150	Mar-25	10	Yes
5	Prof Swapnil Wani	Encryption using IDPR (International Data Privacy Regulation): An Overview of project IDPR	International Journal for Research in Engineering Application & Management	2454-9150	Mar-25	10	yes
6	Prof. Manosha	Automated Irrigation with deterrent System	International Journal of Scientific Research in Engineering and Management.	2582-3930	Jan-25	9	Yes
7	Prof. Yasmeen Z. Attar	Smart Aircraft Monitoring Using AI-Driven Digital Twins and IoT-Based Data Acquisition	International Journal for Multidisciplinary Research	2582-2160	Apr-25	7	Yes
8	Prof Prachi Shahane	QR Based smart trolley system	International Journal of Research and Analytical reviews		April 25		Yes

9. Prof Prachi Shahane presented paper in 5th International conference on Intelligent and Vision Computing SCRS
10. Prof. Prachi Shahane Presented Two papers in ICETI4T conference 'Multimodal stress detection' and "fauxfind"
11. Prof. Prachi Shahane Presented paper QR Based in International Journal of Research and Analytical reviews in June

VII. Sports Achievement

Sanath Shetty BE CSE(IoT&CSIBCT) is part of volleyball team who Runner Up in VJTI college on 7th February 2025.



VIII. Expert Lecture Seminars / Workshops

- Prof Prachi Shahane Attended 2 Days workshop on Entrepreneurship and innovation at JSPM Pune 18 and 19th July 2024
- Prof. Prachi Shahane organized an expert session on *Natural Language Processing (NLP)* for B.E. Computer Engineering students on 2nd August 2024.
- Prof. Sonal Hutke arranged an expert session on *Technologies in Industry 4.0* for S.E. students on 7th August 2024.
- Prof. Smruthy C.S. organized an expert session on *Data Preprocessing* for T.E. and B.E. students on 13th August 2024.
- Prof. Pranita Pingale arranged an expert session on *Software Testing* for T.E. IoT students on 20th September 2024.
- Prof. Sonal Hutke arranged a seminar based on *Legal Aspects* on 7th February 2025.
- Prof. Sonal Hutke arranged an expert talk on *IoT and Embedded Systems* on 7th March 2025.

- Prof. Swapnil Wani arranged expert talk on Web Technology in Today's Industry 06th March 2025
- Ms. Manosha Shasikaran conducted an expert lecture on *Information Security* on 13th March 2025.
- Ms. Yasmeen Z. Attar conducted an expert lecture on *Non-Fungible Tokenization & Decentralized Finance: An Industry Perspective* on 10th March 2025.
- Ms. Yasmeen Z. Attar conducted an expert lecture on *Networking in Python and Database Connectivity* on 11th March 2025.

IX. Value Added Courses

- Department of CSE(IoT&CSIBCT) organized 2 Value added courses namely Exploring Cloud Computing and Advance Data Structure by Prof. Prachi Shahane, Prof. Manosha, Prof. Ashwini, Dr. Sulochana Madachane, Prof. Pranita Pingale, Prof. Sushma Rathi respectively during summer and winter vacation.

X. Faculty Development Program (FDP)

- Prof. Manosha Shasikaran attended a 3-day Faculty Development Program (FDP) on *Universal Human Values* from 21st August to 23rd August 2024.
- Prof. Prachi Shahane participated in an FDP on *Generative AI* from 9th to 14th December 2024.
- Prof. Swapnil Wani attended an FDP on *Generative AI* from 9th to 14th December 2024.
- Prof. Pranita Pingale attended an FDP on *Generative AI* from 9th to 14th December 2024.
- Prof. Pranita Pingale participated in the *ATAL FDP on Cyber Security* held from 6th to 11th January 2025.
- Prof. Prachi Shahane participated in the ATAL FDP On cloud Computing
- Prof. Ashwini Khillari attended the *Intellectual Property Utsav 2025* from 21st April to 26th April 2025.