

# COMPENDIUM

## ABOUT

The Department of Computer Engineering at Vishwakarma Institute of Technology is dedicated to shaping the next generation of innovative engineers who will contribute to the rapidly evolving world of technology. Known for its excellence in teaching, research, and industry collaboration, the department offers a comprehensive curriculum that covers fundamental and advanced topics in computer science and engineering.

With a strong emphasis on practical skills, our department equips students with hands-on experience in areas such as software development, data science, artificial intelligence, machine learning, cybersecurity, and hardware design. The state-of-the-art laboratories, experienced faculty, and industry partnerships ensure that students are prepared to tackle real-world challenges in the tech industry.

## STORY HEADLINE



Students in the Computer Engineering Department are encouraged to participate in cutting-edge research, internships, and projects that bridge the gap between academia and industry. The department's commitment to fostering innovation, critical thinking, and problem-solving skills makes it a hub for aspiring technologists and entrepreneurs. By offering a dynamic learning environment and focusing on the future of computing technologies.

# HOD Desk

Welcome to the latest edition of Bits and Bytes, where we explore the intersection of computing technology, literature, and digital art. As the Head of the Computer Engineering Department, I'm thrilled to share with you our team's curated stories, insights, and achievements.



Dr. Sandeep Shinde  
Head, Computer Engineeringt

In this issue, we present our department's perspective on key topics through thought-provoking Achievements, articles, and visuals. Our dedication to quality education and innovation remains unwavering as we continue to evolve with industry advancements.

I extend my appreciation to our talented team for their creativity and hard work in putting together this edition. Whether you're an academic, professional, enthusiast, or student, we hope the content sparks inspiration and drives new ideas.

Thank you for being an integral part of our community. Let's continue this journey together, exploring new horizons and enriching our shared experiences.

**Prize Winners**  
Prizes total worth

Rs414882.71

Name of Student	Name of the event	Amount won
Purva Wankhade	international Conference research paper presentation	
Akshata Gile	Charger Hacks Hackathon	41682.71
Aakash Anil Matkar	3rd International Conference on Mobile Networks and Wireless Communications (ICMNBC): IEEE Bangalore Section	
Aryan Shinde	EthIndia	4200
Vineeth Anil Naitam	Desi Beat's Mood Indigo	18000
Rewa Wader	Microsoft powered #POSSIBILITIES hackathon by Elastic Run	50,000
Akash Abhay Deshmukh	Convocation Ceremony of Akhil Bhartiya Gandharv Mandal Mumbai	1000
Farhan Shaikh	TechSocho	20000
Niranjan Langade	Solution for waste reduction	Rs.15000
Prathamesh Prabhakar Thakare	TRIDENT HACKS	
Akhilesh Vipin Kulkarni	National DD Robocon 2023	30000
Ajinkya Sharad Tambe	Trident Hack	
Niranjan Langade	Nexus 2.0	Rs.5000 Prize in Kind
Aneesh Dighe	Internal Hackathon SIH	
Rohit Jyoti	Internal Smart India Hackathon	0
Rishita Bura	Internal Smart India Hackathon	
Shrutika Gade	Internal Smart India Hackathon 2023	
Ojas Ketkar	Internal Smart India Hackathon 2023	
Niranjan Langade	Aakruti 2023	Rs.20k - 30k
Ayush Tathe	Smart India Hackathon	100000
Akshay Uttam Chame	Smart India Hackathon	100000
<b>Total Cash Prize</b>		<b>424882.7</b>

**PLACE SOLANA: SOLACARE**

Sola CARE

PIXELS WITH PURPOSE. CHANGING LIVES.

This project's implementation of their contract/NFTs really stood out amongst the others. They also promote a strong message whilst encouraging the use of Solana and Web3

Congrats to Ishan Rakte, Aastha Agarwal, and Akshola Gile

**VISHAKHARNA INSTITUTE OF TECHNOLOGY, PUNE**

**Proud Moment**

Research Paper presented at **C-2023 IEEE Sc**

**Indexed Conference**

was awarded with **PAPER AWA**

**Title:**

ing Agricultural

Deep Learning Techniq

**AUTHORS**

Jyoti Kanjalkar	Pramod Kanjalkar	Aakash Matkar	Akshay Jadhav	Al Hussain Shaikh	Anish Bonde

**MANIPAL**  
PROFESSOR OF TECHNOLOGY

**Springer**

**BEST PAPER AWARD**

IS PRESENTED TO

*Purva Wankhade*

For Author Paper titled An Advanced Surveillance Monitored Car for Real-time Inspection With Sensing Capabilities presented in the 2nd International Conference on Robotics, Control, Automation and Applied Intelligence (ICRCAA 2023) jointly organized by Department of Mechanical, Material, Control, Automation and Applied Intelligence (MCAAI) of Technology Karnataka, Surathkal, India held on 12-14 October 2023

Organizing Secretary (ICRCAA2023) MIT MANIPAL

Organizing Chairman (ICRCAA2023)

Organizing Secretary (ICRCAA2023) MIT SURATHKAL

**FIRST RUNNERS UP**

This certificate is awarded to

*Devan Ushar*

for being the First Runners Up of the Elastic Run Hackathon #POSSIBILITIES

elasticrun Microsoft



**SMART INDIA HACKATHON 2023**

**Certificate**

This Certificate is awarded to

**Mr. Ayush Ramchandra Tathe**

the winner of **Smart India Hackathon, 2023**

Heartiest Congratulations!

Dr. Sushanta Mahapatra, Head, Center Chairperson

Dr. A. S. Srinivasan, Chairman, AICTE, Ministry of Education

Dr. Anil Kumar, Joint Secretary, Higher Education, Ministry of Education

Partners: 9x, t, hero, aws



**PICT Inc**

**PICT Inc '24**

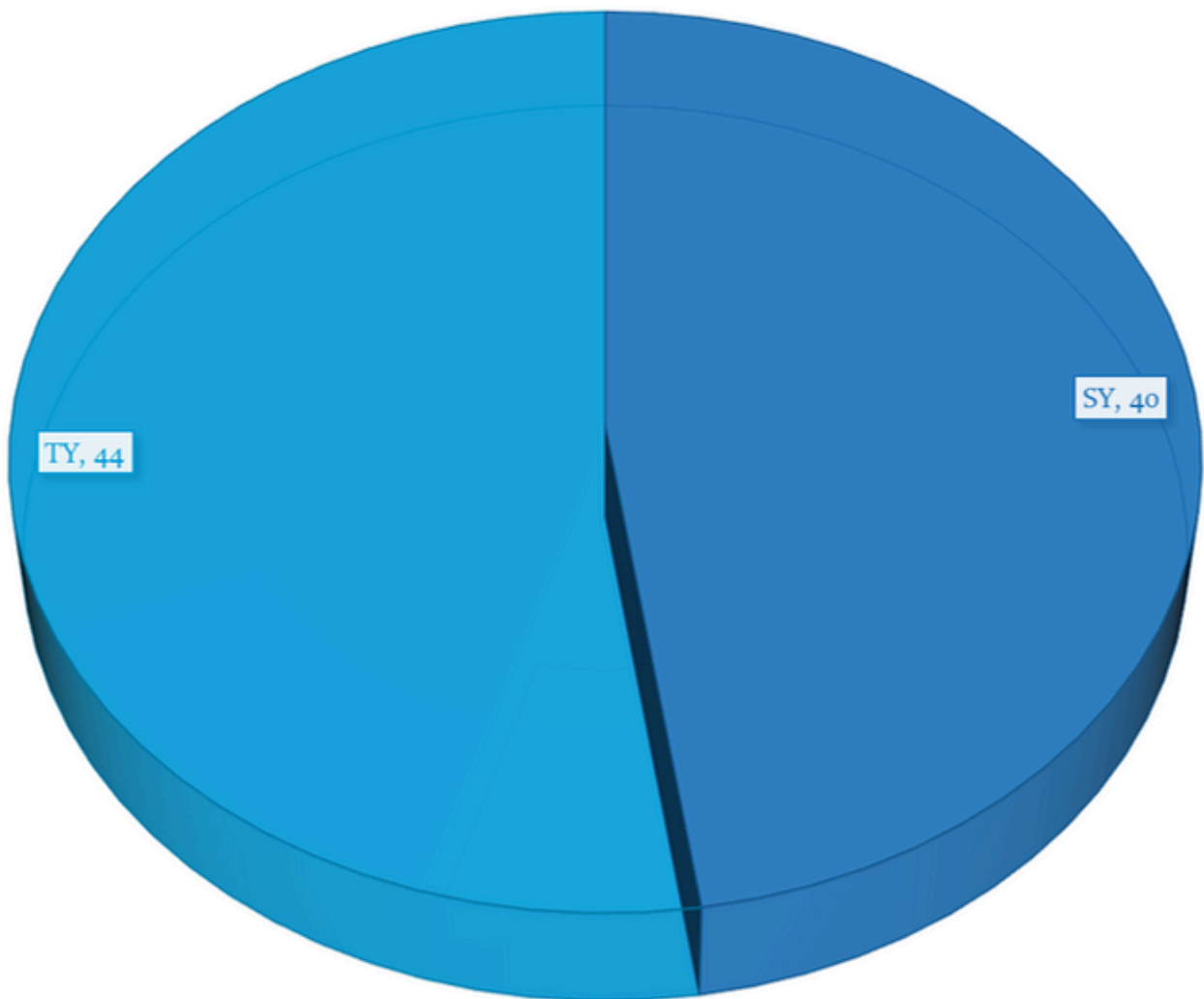
International Student Program Evaluation and Competition

2<sup>nd</sup> POSITION

**CONCEPTS**

Innovative Projects Done by the Students in semester one of 2023-24

**INNOVATIVE PROJECTS DONE BY  
STUDENTS  
TOTAL PROJECTS : 84**



## Social Activities

### Nashik Ploggers: Women's Day Drive

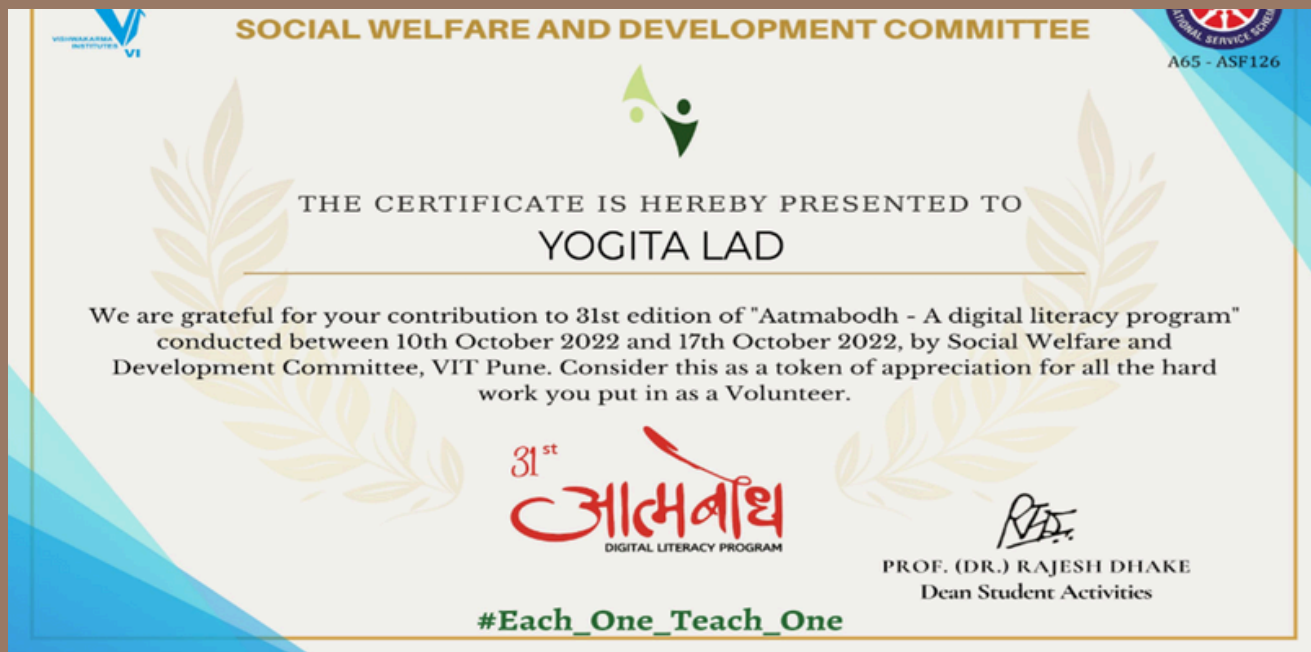
Event: Women's Day Drive - Nashik Ploggers is an organization with a vision of "Clean Nashik, Green Nashik" & on 8th March, 2023 on women's day there was a special drive conducted where 350+ participants were assembled at one of the biggest jogging tracks of Nashik for collecting litters and scrap the waste, contributing in making the Nashik city Clean !



Event: "Blood-D" was a Blood Donation Camp organized by the SW&D committee of Vishwakarma College of Technology, Pune. With collaboration of Maharashtra government and राज्य रक्त संक्रमण परिषद this event was organized in the campus of VIT College for consecutively 2 days, 11/10/2023 & 12/10/2023. All the students and teachers was encouraged for donating the blood. Various snacks and energy drinks were available for post-donation & pre-donation as well.



"AatmBodh" is a comprehensive digital literacy program designed to empower students as ambassadors of technology and mobile proficiency. This initiative involves educating students about the intricacies of mobile technology and its applications, with the goal of fostering a generation capable of imparting this knowledge to others



Vatsalya was a social activity conducted by the Social Welfare & Development Committee where I conducted activities for senior citizens at an old age home. This experience allowed me to connect with the community and contribute to the well-being to others.



Animal rescue social activities involve efforts to rescue, rehabilitate, and provide care for animals in need. These activities are typically organized by individuals, non-profit organizations, or community groups passionate about animal welfare. The primary goal is to save animals from situations of abuse, neglect, or abandonment, and to find them loving and permanent homes.





