

COMPENDIUM



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DEPARTMENT OF COMPUTER ENGINEERING

VISION

To be a leader in the world of computing education practising creativity and innovation.

DEPARTMENT OF COMPUTER ENGINEERING

MISSION

- To ensure students' employability by developing aptitude, computing, soft, and entrepreneurial skills
- To enhance academic excellence through effective curriculum, blended learning and comprehensive assessment with active industry participation
- To cultivate a research culture that results in a knowledge base, quality publications, innovative products, and patents
- To develop ethical consciousness among students for social and professional maturity to become responsible citizens

HOD'S DESK



Dear Readers,

It is with immense pride and excitement that I present this edition of our Computer Engineering Newsletter, a testament to the vibrant spirit and outstanding achievements within our department at Vishwakarma Institute of Technology.

In a world increasingly shaped by technology, our mission remains clear: to cultivate innovators, critical thinkers, and responsible engineers who can drive positive change. This newsletter showcases the collective efforts of our dedicated faculty, brilliant students, and supportive staff, highlighting breakthroughs in research, exciting project milestones, and impressive successes in academics and placements.

ACHIEVEMENTS

STUDENT AWARDS

KURUKSHETRA-25 HACKATHON 25/08/2025

Position Won: First in AI/ML Track

Manthan Khawse
Aryaraje Nimbalkar
Chinmay Rane
Vedant Nikam



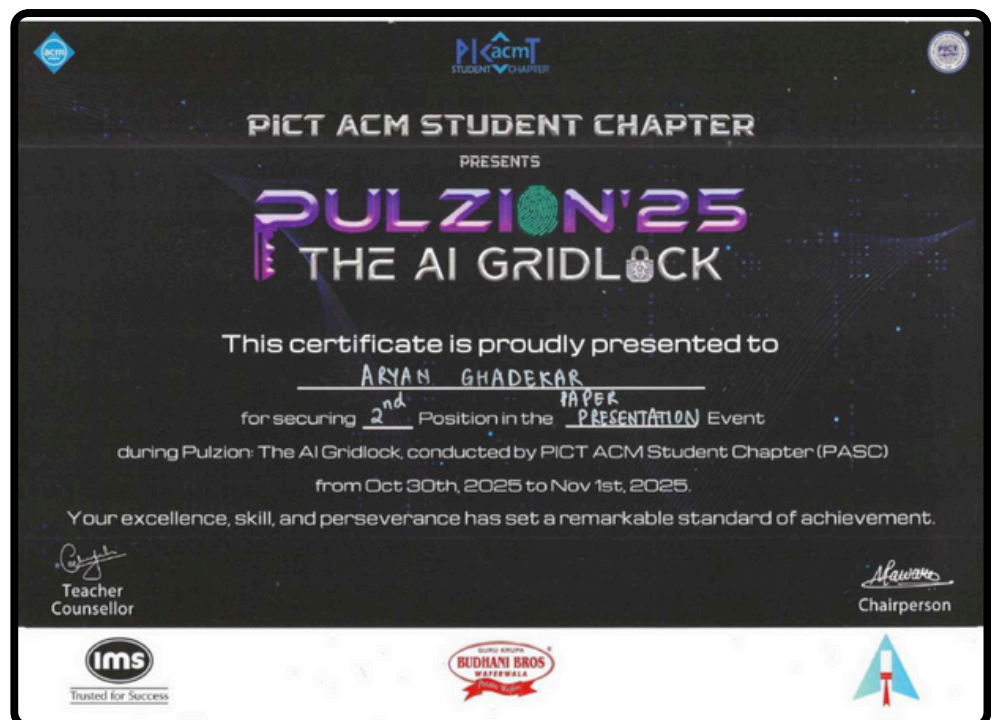
ACHIEVEMENTS

STUDENT AWARDS

PULZION'25
30/10/2025

Position Won: First Runner Up

Aryan Ghadekar



ACHIEVEMENTS

STUDENT AWARDS

TECHATHON 2.0
22/02/2025

Position Won: Best Solution Award in given
problem statement

Manthan Khawse
Aryaraje Nimbalkar
Chinmay Rane
Vedant Nikam



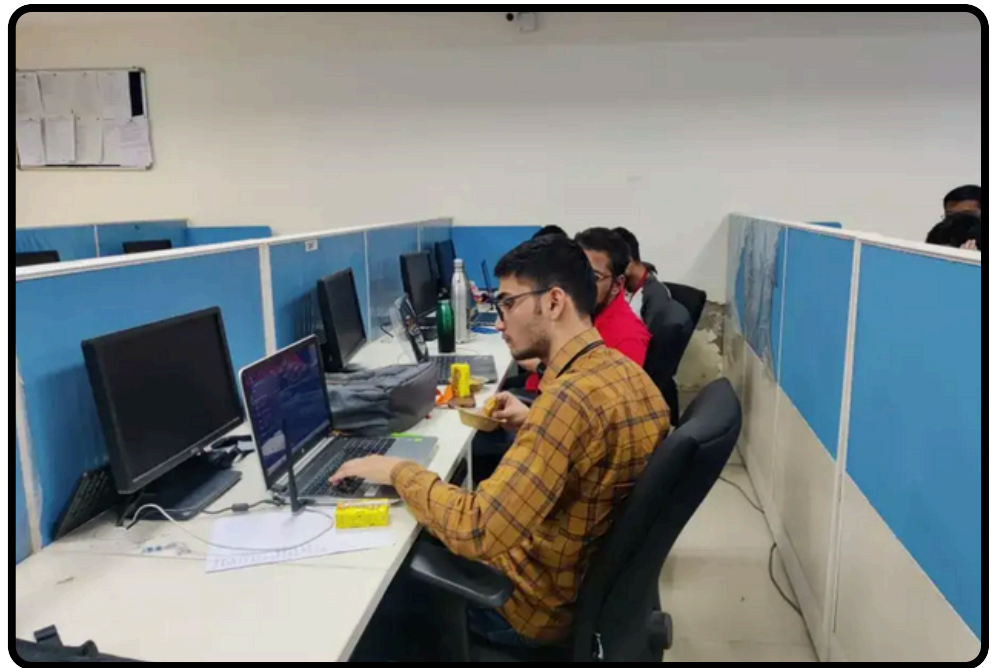
ACHIEVEMENTS

STUDENT AWARDS

HACKSLASH BYTEVERSE 7.0
04/12/2025

Position Won: Winner

Baladitya Khantwal
Ashish Kumar
Aryan Jha
Aditya nath deepak



ACHIEVEMENTS

STUDENT AWARDS

TENET CTF '25
10/12/2025

Position Won: Runner-up

Ritik Arora,
Amogh Toshniwal,
Vivek Patil,
Aditya Bavadekar



ACHIEVEMENTS

STUDENT AWARDS

HACKINFINITY
10/06/2025

Position Won: 3rd Runner-up

Radhika Kawadkar
Punyesh kapre
Chinmay rane



Team - SnackOverflow (Chinmay Rane (Information Technology), Radhika Kawadkar (Computer Engineering), Punyesh Kapre (Information Technology)) - proudly secured the 3rd Runner-Up at the 24-hour Hackathon organized by Ramco Institute of Technology, Tamil Nadu among 700+ participants across India.

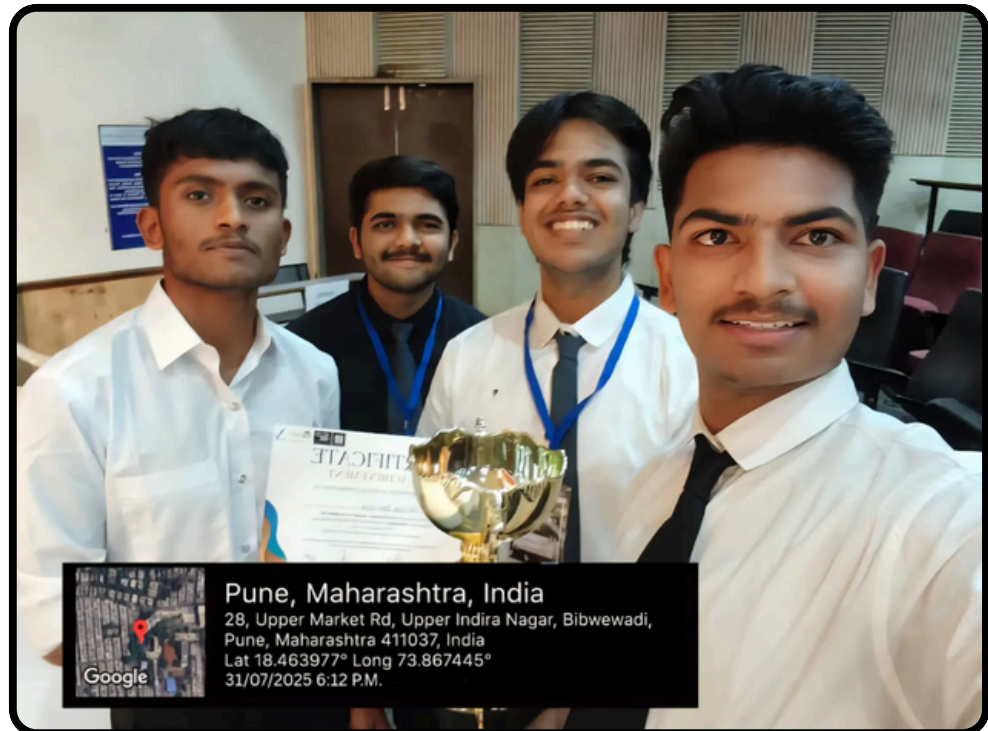
ACHIEVEMENTS

STUDENT AWARDS

INNOHACK 2.0
30/07/2025

Position Won: First

YASH WADHWANI
NIRMIT HATTI
SAMARTH KHADSE
SHANKAR JADHAV



ACHIEVEMENTS

STUDENT AWARDS

COMMIT1.0
10/12/2025

Position Won: Second

Adtiya Bavadekar,
Parnika Thakur



ACHIEVEMENTS

STUDENT AWARDS

TENET CTF 2025
10/12/2025

Position Won: Second Runners up

Ritik Arora, Vivek
Patil, Aditya
Bavadekar



ACHIEVEMENTS

STUDENT AWARDS

INNOVERSE- BUILD THE FUTURE!
11/10/2025

Position Won: **FIRST**

Ayush Walunj
Jayesh Waskar
Madhura Waskar



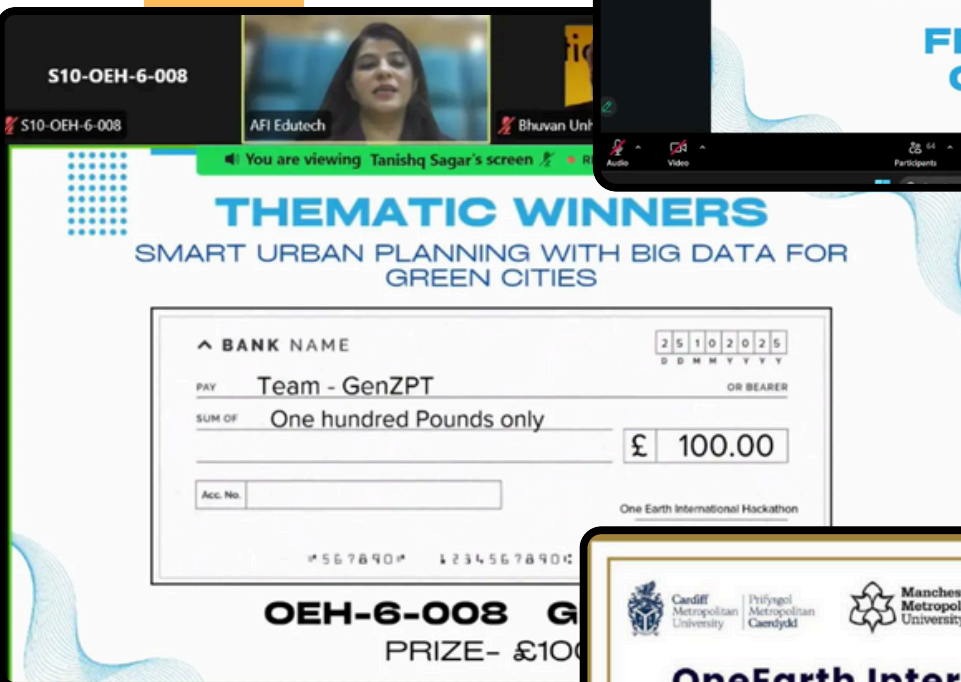
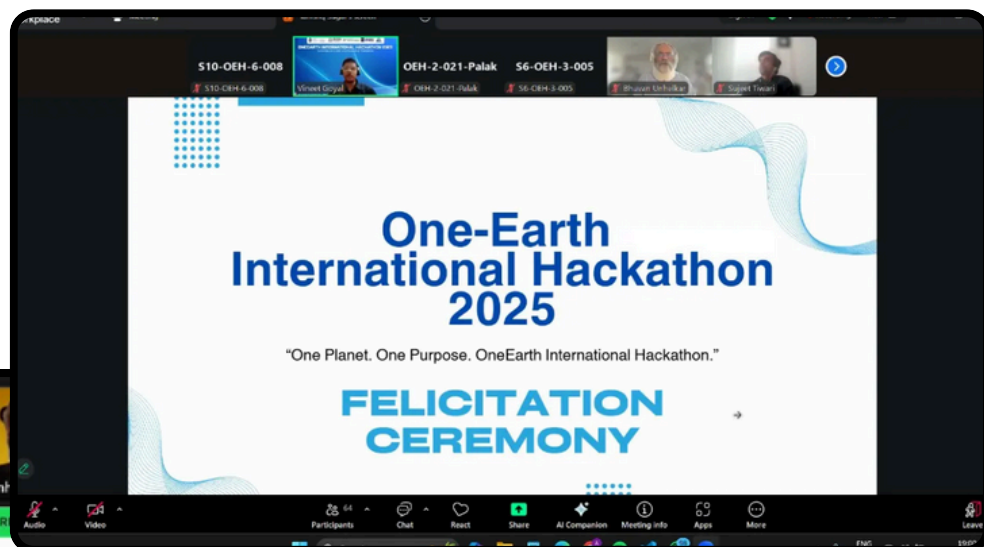
ACHIEVEMENTS

STUDENT AWARDS

ONEEARTH INTERNATIONAL
HACKATHON 25/10/2025

Position Won: Thematic Winner

Sanyam Patwari,
Abhaykumar Roy,
Aayush Jha, Aditya
Thakare, Dhiraj Patilj



ACHIEVEMENTS

STUDENT AWARDS

INNOHACK 2.0 HACKATHON
30/07/2025

Position Won: Got Internship offer letter

Shaikh Atifa,
Rayate Harshada,
Sanavi Rahane,
Anjali Kamble



SOCIAL ACTIVITIES

SOCIAL ACTIVITIES

UTKARSH

Roshan Shinde

UTAKARSH is a flagship educational and social initiative under by SW&D Committee dedicated to empowering the underprivileged younger generation. We focus on Spreading Education (U), utilizing innovative Teaching methods (T), and imparting general Knowledge (K). A key objective is fostering communication, helping them become Articulate (A), and instilling essential Skills (S) for responsibility and confidence. We also provided Remote Learning (R) during the pandemic and strive to spread Happiness (H) through their learning journey.



SOCIAL ACTIVITIES

SOCIAL ACTIVITIES

SWACCHA PUNE

Anushka Virendra Jangam

Swaccha Pune is the activity for cleaning the environment conducted by SWD team of VIT Pune ,We had cleaned many places like Taljai Hills, Omkareshwar temple and also done the Tree Plantation



SOCIAL ACTIVITIES

SOCIAL ACTIVITIES

BLOOD DONATION CAMP

Arya Amar Kale

Blood donation camp was conducted by SW&D Committee in Bibvewadi campus. There were total 1111 donors which was a great number. Organization was Sassoon Hospital.



SOCIAL ACTIVITIES

SOCIAL ACTIVITIES

STARTUP SHOWCASE BY V-EDC

Neel Kote

Organized an event in our college as a part of the Organizing Committee wherein we invited more than 25+ startups in our college to showcase their products and present internship opportunities to the students of our college.



SOCIAL ACTIVITIES

SOCIAL ACTIVITIES

AVISHKAR ACTIVITY VIA SWD CLUB

Ishan Amod Patankar

Aniket Patankar

We visited an old age home for 4 weeks and spent time with the grandmothers and grandfathers there; we helped by entertaining them



SOCIAL ACTIVITIES

SOCIAL ACTIVITIES

SOCIAL WELFARE DEVELOPMENT AT SWACCH PUNE

Kabir Khanuja

Proud to have led a team of dedicated volunteers alongside SWaCH Pune, NSS Unit A-65, and VIT Pune, contributing to a cleaner and more sustainable environment.

Through this initiative, we actively worked towards waste management by picking up plastic waste, promoting recycling, and ensuring proper disposal in line with the Swachh Bharat Abhiyan mission.

This experience is more than just a clean-up; it is an eye-opener on waste management, teamwork, and sustainability.

The SWaCH initiative's door-to-door waste collection, recycling, and composting efforts reinforce the importance of community-driven environmental responsibility.



SOCIAL ACTIVITIES

SOCIAL ACTIVITIES

SOCIAL WELFARE AND DEVELOPMENT AND SPACEE

Srujani Shashikant Ukirade

Volunteering at Social Welfare and Development



SOCIAL ACTIVITIES

SOCIAL ACTIVITIES

AASHAKIRAN

Snehal Thawase

Aashakiran has been a life-changing experience, helping me develop deep empathy. Visiting slum areas and interacting with parents gave me insight into their struggles and the challenges of early childhood education. Witnessing their daily hardships made me realize the importance of awareness and guidance in shaping a child's future.



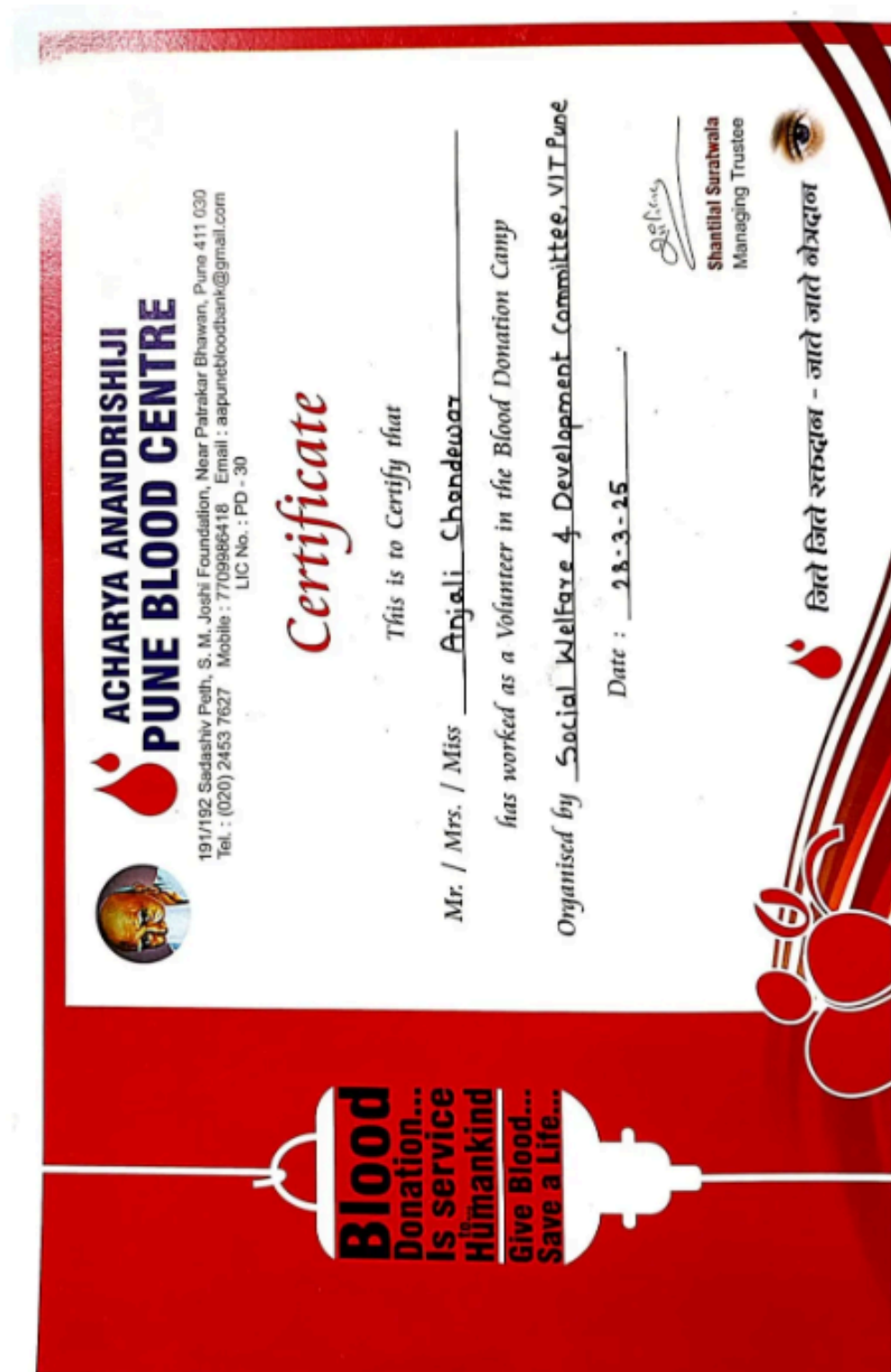
SOCIAL ACTIVITIES

SOCIAL ACTIVITIES

BLOOD DONATION VOLUNTEER

Anjali Chandewar

Blood donation camp organised by swd committee



SOCIAL ACTIVITIES

SOCIAL ACTIVITIES

WEB DEVELOPMENT

Shaurya Omm Panigrahi

Team was having task to do web development for NGO.



SOCIAL ACTIVITIES

SOCIAL ACTIVITIES

GIRLSCRIPT SUMMER OF CODE GSSOC 2025

Sameera Shekhar Jape

Secured a rank under 150 (Top 4.7% contributors) and earned 2 Contributor Badges along with the official GSSoC Certificate, recognizing consistent contributions, learning, and impact throughout the program.

- Contributed to multiple open-source projects under the GirlScript Summer of Code 2025 program, collaborating with mentors and developers on diverse tech stacks while gaining hands-on experience in real-world development, teamwork, and open-source practices.

GirlScript Foundation is a NON-PROFIT organization to promote access to education globally via their programs.



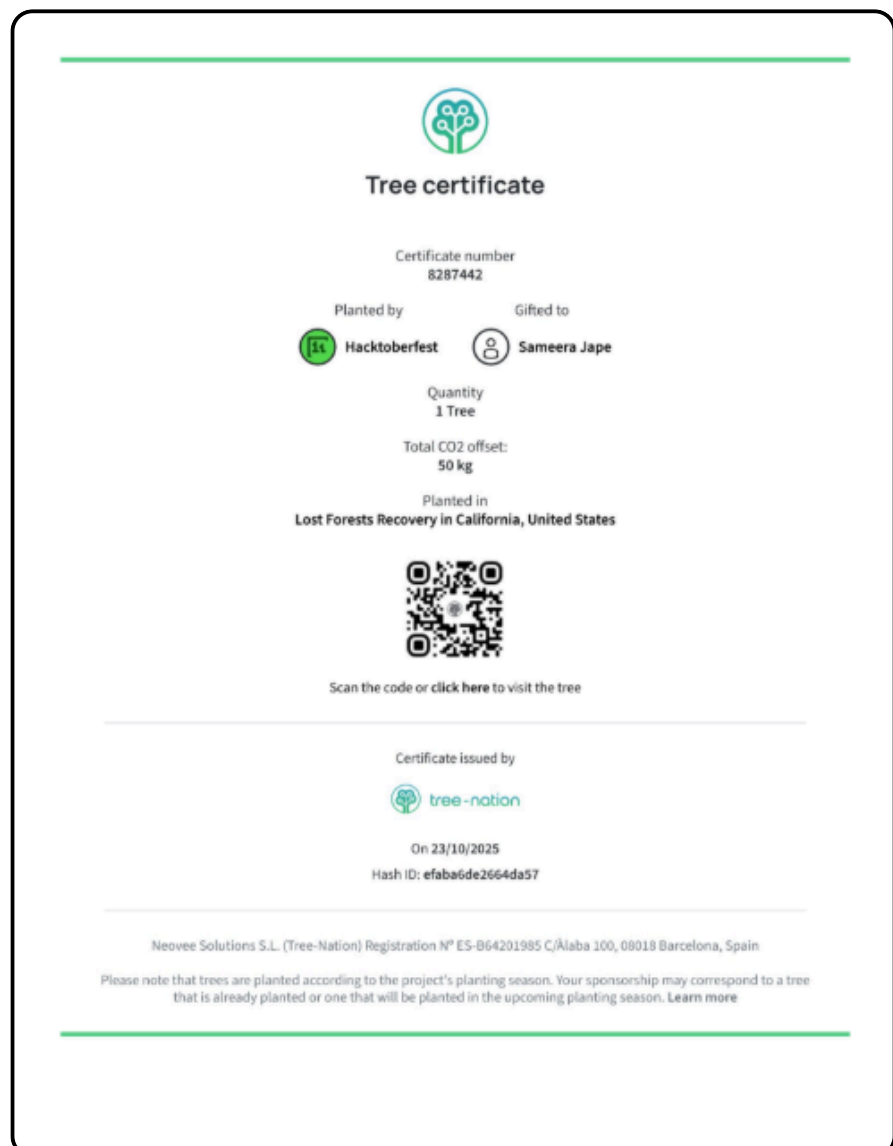
SOCIAL ACTIVITIES

SOCIAL ACTIVITIES

HACKTOBERFEST 2025

Sameera Shekhar Jape

- Achieved Supercontributor status (among the first 10K global contributors to finish the program) and received exclusive rewards including holopin badges, Hacktoberfest supercontributor T-shirt, and a TreeNation certificate.
- Contributed to global open-source projects by resolving issues, enhancing code, and developing new features while collaborating with developers worldwide and gaining hands on experience in technical collaboration, diverse tech stacks, and Git based version control.



SOCIAL ACTIVITIES

SOCIAL ACTIVITIES

HACKTOBERFEST 2025

Sanchita Sanjay Desai

- Achieved Supercontributor status (among the first 10K global contributors to finish the program) and received exclusive rewards including holopin badges, Hacktoberfest supercontributor T-shirt, and a TreeNation certificate.
- Contributed to global open-source projects by resolving issues, enhancing code, and developing new features while collaborating with developers worldwide and gaining hands on experience in technical collaboration, diverse tech stacks, and Git based version control.



Tree certificate

Certificate number
8290132

Planted by



Hacktoberfest

Gifted to



Sanchita Desai

Quantity
1 Tree

Total CO2 offset:
50 kg

Planted in
Lost Forests Recovery in California, United States



Scan the code or [click here](#) to visit the tree

SOCIAL ACTIVITIES

SOCIAL ACTIVITIES

GIRLSCRIPT SUMMER OF CODE(GSSOC'25)

Sanchita Sanjay Desai

GirlScript is a not-for-profit organization dedicated to making quality education accessible for all. With a mission to empower individuals through learning, it strives to create inclusive spaces where beginners, students, and underrepresented groups can explore technology without barriers. Through initiatives like GirlScript Summer of Code (GSSoC), the organization promotes collaborative learning, open-source contribution, and community development. My participation in GSSoC allowed me to contribute to socially impactful projects while supporting a culture of mentorship, inclusivity, and shared growth.



SOCIAL ACTIVITIES

SOCIAL ACTIVITIES

DEVELOPED A PROJECT FOR BLIND STUDENTS

Shaikh Atifa,
Sanavi Rahane,
Harshada Rayate,
Anjali Kamble

For the Course Artificial Intelligence we have developed a project Smart Glasses for blind peoples and giving/deploying for the students of navjivan blind school of katraj.

राजि. नं. एक. ४२८३/१२ पुणे

॥ अंध-अपंगांचे करा समाधान / ईश्वर करेल तुमचे कल्याण ॥

नवजीवन अंध अपंग कल्याण मंडळ
संचालित अंध अपंग प्रशिक्षण केंद्र व वसतीगृह
घांडेकरनगर, कोंढवा हॉस्पिटलसमोर, येवलेवाडी, कोंढवा, पुणे - ४११०४८.
समान कल्याण मान्यता प्राप्त अनुदानित

अध्यक्ष श्री. किरण जयसिंग जनावरे
सचिव सौ. शानिनी गुरुदास लायतुरे

जा. क्र. नवजीवन / अंध-अपंग ४४/२०२५
दिनांक : ६/११/२०२५

प्रति,
Prof. (Dr.) D. T. Mane
Associate Professor,
Department of Computer Engineering,
Vishwakarma Institute of Technology, Pune.

Subject: Letter of Completion certificate

Respected Sir/Mam,

This is to certify that under your valuable guidance, the project titled "Smart Spect: Assisting Visually Impaired with Text Recognition & Speech Output" has been successfully completed by the following students from Vishwakarma Institute of Technology, Pune.

Name	PRN
Atifa Shaikh	12420025
Sanavi Rahane	12420063
Harshada Rayate	12420080
Anjali Kamble	12420086

The project focuses on developing a **smart wearable spectacle** to assist visually impaired individuals in reading printed or written text. Using a **camera module** and **Text-to-Speech (TTS)** technology, the device captures text and converts it into audible speech, enabling users to listen instead of reading.

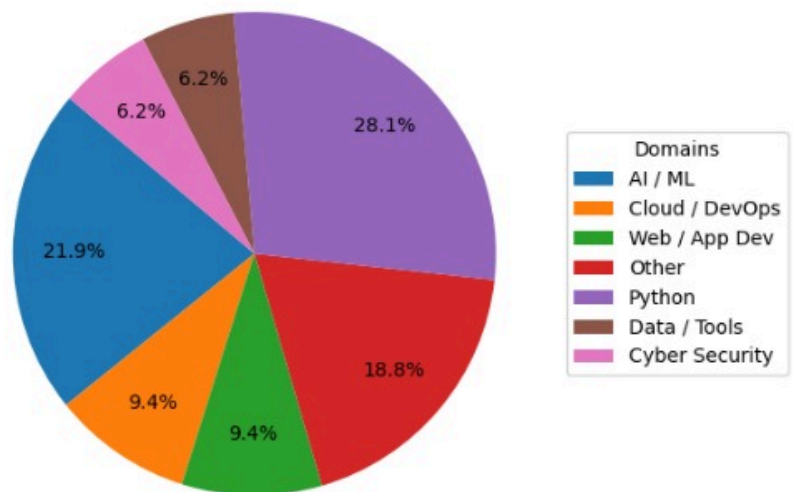
We sincerely appreciate the students initiative, creativity and technical effort toward building an assistive technology that contributes to the empowerment of visually impaired people. The project, completed in **November 2025**, meets our institutional objectives and has been successfully demonstrated at **Navjeevan Andha Vidyalaya, Pune**.

Project Guide: Prof. (Dr.) D. T. Mane
Institution: Vishwakarma Institute of Technology, Pune

Warm regards,

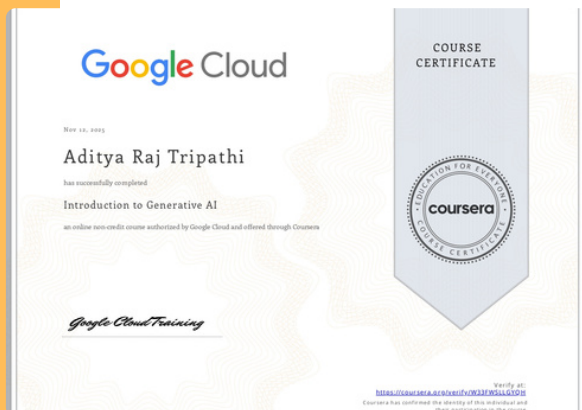
Principal
Shri/Smt. Anjana Mohan Narayane
Navjeevan Andha Vidyalaya, Pune

Course Distribution by Domain

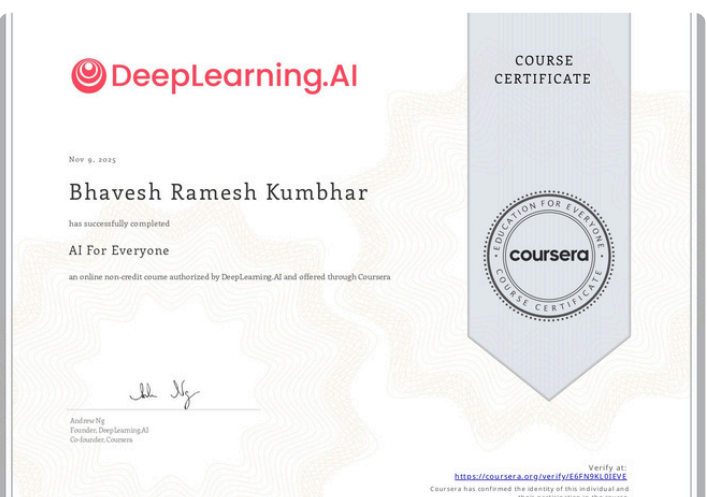
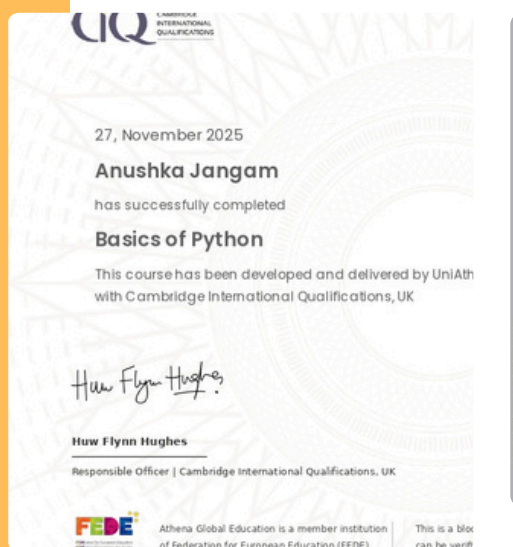


PAPER PUBLICATION

CERTIFICATES



CERTIFICATE BY STUDENT



Thank You