



JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY
WAKNAGHAT, P.O. – WAKNAGHAT,
TEHSIL – KANDAGHAT, DISTRICT – SOLAN (H.P.)
PIN – 173234 (INDIA) Phone Number- +91-1792-257999
(Established by H.P. State Legislature vide Act No. 14 of 2002)



Vishwakarma Awards 2024

Yash Tripathi (221030324) and Saurav Kumar (221030345), B.Tech. 3rd year CSE students have achieved a significant milestone by securing **the 3rd Prize at the prestigious Vishwakarma Awards 2024**, organized by the Maker Bhavan Foundation in collaboration with the IIT Hyderabad Technology Incubation Center (ITIC). The competition, focusing on Water and Sanitation, Green Technology, and Smart Mobility, provided a platform for students to showcase transformative technological solutions.

Their innovative project, **GeoVision - Federated Learning-Based Geolocalization for UAVs Using Aerial Imagery**, impressed the jury and mentors throughout the competition. The project aimed to utilize cutting-edge federated learning techniques for accurate geolocation while ensuring data privacy, paving the way for advancements in UAV-based navigation and mapping.

The competition's stages highlighted the team's relentless dedication:

1. **Application and Shortlisting** : Their journey began with the submission of a detailed proposal for their project. Their innovative concept was shortlisted among the top 81 teams.
2. **Design Development and First Online Assessment**: After refining their problem statement based on expert feedback, they developed the initial design of their prototype and showcased their progress through a video and presentation.
3. **Prototype Building and Second Online Assessment**: Among the top 54 teams, they built a proof-of-concept (POC) prototype. Guided by their mentor, they conducted rigorous research, identified the most viable solutions, and advanced to the next round.
4. **Final Stage and Third Online Assessment** : Their POC was further refined, and they presented it professionally with expert guidance. Their outstanding work earned them a spot among the **top 18 teams**, highlighting their ability to meet real-world challenges effectively.
5. **Top 18 Teams and Final Evaluation** : Competing with the best teams in the final stage, Yash and Saurav showcased their polished prototype and a compelling presentation, culminating in their 3rd Prize win.

Recognitions

As a result of their achievement, Yash and Saurav have received the following recognitions:



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- **Top 3 Finish:** Secured 3rd Prize at the Vishwakarma Awards 2024.
- **Support from Idea Forge:** Recognition from Idea Forge for their innovative work in geolocation technology.
- **Project Funding Opportunity:** Extended project development support by ITIC, IIT Hyderabad.
- **Entrepreneurship in Residence Fellowship:** Admission to the prestigious Entrepreneurship in Residence (EIR) Fellowship Program at IIT Hyderabad.

Link :

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