IUCEE Student Project Competition

IUCEE had organized an exciting competition designed to foster innovation, collaboration, and impactful contributions from its dynamic network of student chapters. This competition served as a platform for student teams to showcase their chapter's activities, projects, and initiatives that align with IUCEE's mission of enhancing the quality and relevance of engineering education.

Competition involved a project proposal from each team based on Sustainable Development Goals and prioritize environmental sustainability, resource efficiency, and the use of eco-friendly materials and practices.

Each team comprised of 5 students and a faculty mentor. The students were from different years of engineering and were from multidisciplinary branches.

We received 154 project entries from various consortium institutions, out of which 24 were selected for mentoring.

Teams initially provided a problem definition and a possible solution. IUCEE provided mentorship through a team of Industry experts for these 24 shortlisted projects over the period of 6 months.

Students learnt steps of how to take their proof-of-concept (PoC) to the level of industry ready prototype through mentorship provided by IUCEE. A structured milestone process was followed. Guidance was provided to use various tools & templates like "Customer requirement sheet", "Verification sheet", "Failure modes", etc. Critical reviews were done using a well-defined Rubrics.

This competition not only provided recognition for student's efforts but also served as a valuable platform for sharing best practices and inspiring other chapters within the IUCEE network.

During IASF 2026, 17 teams out of the shortlisted projects displayed their prototypes & PoC and were adjudged by a panel of judges.

Awardees of the competition were as follows:

S.no.	Category	Project	College	Prize amount
1	1st Award	Emergency communication mesh network for disaster prone areas	TCE, Madurai	₹ 25,000
2	2nd Award	WatSafe AI - Water Safety, Powered by AI	RIT, Islampur	₹ 20,000
3	3rd Award	AI based detection of microplastic in water sources	RVCE, Bengaluru	₹ 15,000
4	Special Recognition Award	3D printing Filament making device using waste plastic	KLETU, Hubali	₹ 15,000
5	Prototype	Smart Footstep Energy for a Greener Tomorrow	SAKEC, Mumbai	₹ 7,500
6	Prototype	Portable ceramic water purifier (No power unit)	RIT, Islampur	₹ 7,500

7	Prototype	Sustainable Approach through Medical Waste Eco-Friendly Mulch Mat	KARE, Kalasalingam	₹ 7,500
8	Prototype	Air Sense: An Automated System for Indoor Pollution Alerts	KLETU, Hubali	₹ 7,500
9	Prototype	Rapid water pathogen detection system	TCE, Madurai	₹ 7,500
10	POC Poster	Strip-Fed 3D Filament Extruder	KGReddy, Hyderabad	₹ 5,000
11	POC Poster	AI-Driven Crop Disease Prediction and Management System	HITAM, Hyderabad	₹ 5,000
12	POC Poster	Smart Waste Management System: Detection and Segregation of Waste Using IoT and Sensors	HITAM, Hyderabad	₹ 5,000
13	POC Poster	Sustainable all terrain wheelchair	TCE, Madurai	₹ 5,000
14	POC Poster	Energy Monitoring system	KLETU, Hubali	₹ 5,000
15	POC Poster	Multi-terrain rescue robot	KLETU, Hubali	₹ 5,000
16	POC Poster	AI-Powered Real-Time Object Recognition for the Visually Impaired	MLRIT, Hyderabad	₹ 5,000
17	POC Poster	CoolRoofX – Sustainable Passive Cooling Paste from Agricultural Waste	Anurag, Hyderabad	₹ 5,000

Three awards were declared for the faculty mentors to recognize their special contribution:

S.no.	Faculty name	Institution	Prize amount
1	Aparajita Bera	SAKEC, Mumbai	₹ 5,000
2	Praveenkumar Petkar	KLETU, Hubali	₹ 5,000
3	Lokeshwari M	RVCE, Bengaluru	₹ 5,000