

SCMS School of Engineering and Technology, Karukutty, Ernakulum, Kerala
11th Edition Dr. Pradeep P. Thevannoor Hackathon 2025
Detailed Guidelines

Dr. Pradeep P. Thevannoor Hackathon 2025 aims to engage the creative minds of **School and Polytechnic students** with ingenious ideas to tackle a specific set of issues.

MODE OF HACKATHON

- Pre-screening will be organized through Online Mode.
- The final round (24 hrs.) will be held at SCMS School of Engineering and Technology campus, Karukutty, Ernakulum, Kerala during 16th, 17th November 2025.

SCHOOL REGISTRATION

- Open for school students studying in the 8th to 12th standard.
- Team registration and idea submission is open in the website or link available in brochure from 06/10/2025 to 30/10/2025.

POLYTECHNIC COLLEGE REGISTRATION

- Open for all polytechnic students.
- Team registration and idea submission is open in the website or link available in poster from 06/10/2025 to 30/10/2025.

TEAM FORMATION

- A team can be formed of 1 student to 4 students (at max); 1 Mentor (optional)
- The mentor must be a teacher from the same school/college.
- It is desirable to have at least one female member to be the part of the team.
- All students should be from the same school/polytechnic college. Inter-school or college teams are not allowed.
- An authorization letter from the school/polytechnic college with the details of the mentor should be submitted during the idea submission.
- A team can select one problem statement only.

PROBLEM STATEMENT

1. Defend India with Innovation

Design and develop innovative technological solutions that strengthen national safety, security, and resilience, inspired by Operation Sindhoor. Focus areas include smart border surveillance, AI-based threat detection, drone and anti-drone technologies, and real-time anomaly detection. Create working models or simulations to demonstrate the effectiveness of your proposed solution in real-world scenarios.

2. Empowering India's Health Through Smart Innovation

Develop innovative technology solutions that improve the health and well-being of individuals and communities in India. Focus on creating smart wearables and devices for early illness detection, health monitoring, and emergency alerts. Build functional prototypes that showcase practical benefits in preventive and responsive healthcare.

3. Smart Farming for a Prosperous India

Develop innovative technology solutions to increase agricultural yield and support sustainable farming practices across India. Emphasize smart irrigation systems, AI-powered crop health monitoring, and cost-effective weather or soil analysis tools. Build practical prototypes that empower farmers and improve resource efficiency for a more productive and resilient agricultural sector.

SUBMISSION OF IDEAS

- Use the link “11th Edition Dr. Pradeep P. Thevannoor Hackathon 2025” website (<https://scmsgroup.org/sset/>) and enter the Team Name, School Name, Email id, Mobile No. of team leader and all other Members details.
- Download the “IDEA SUBMISSION template” from the website/registration form and complete the description of the proposed solution with other relevant details. The guidelines for preparing the idea template are given in the sample template.
- Upload the pdf of your completed idea submission form and the consent letter from the school/college.

PROCESS AND TIMELINES SELECTION CRITERIA & EVALUATION

- First Round Idea Submission – 06/10/2025 - 30/10/2025
- Announcement of Finalists – First week of November
- Grand Finale Evaluation – 16th, 17th November 2025.

GENERAL INFORMATION REGARDING THE GRAND FINALE

- Duration of the grand finale will be 24 hrs.
- If a team is selected for the finals, members will need to be present at SCMS School of Engineering and Technology, Karukutty, Ernakulam for the grand finale.
- The SCMS School of Engineering and Technology will be arranging accommodation and food for teams during the grand finale.

PRIZE MONEY

- There will be first, second, and third prizes awarded separately for schools and polytechnic colleges.
- Amount of prize money to be awarded to each winning team is Rs.100000/- (first prize), Rs.50000/- (second prize), and Rs. 25000/- (third prize).