



Detailed Guidelines

Dr. Pradeep P. Thevannoor Hackathon Awards 2024 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, Ernakulam, Kerala during the third week of November 2024.

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 poster from 06/10/2024 to 30/10/2024.

POLYTECHNIC COLLEGE REGISTRATION

- Open for all polytechnic students.
- Team registration and idea submission is open in the website or link available in poster from 06/10/2024 to 30/10/2024.

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. Disaster management system:** Urban areas face severe risks from floods and landslides, exacerbated by inadequate real-time monitoring, slow response, and inefficient relief efforts. Present your ideas to provide timely warnings, effective resource allocation, and coordinated emergency responses to enhance community safety in those areas.
- 2. Waste management:** Effective waste management is crucial as plastic and electronic waste increasingly pollute environments and strain resources. Inadequate recycling and disposal systems lead to environmental degradation and health hazards. Develop efficient methods for managing plastic and electronic waste to minimize impact and promote sustainability.
- 3. Safety for Women and children:** Women and children face significant safety risks from violence and abuse in various settings. Current protective measures are often inadequate or ineffective. There is an urgent need for enhanced safety systems, including stronger legal protections, improved support services, and community awareness, to ensure their security and well-being. Develop your innovative ideas that can be implemented as potential solutions to overcome this challenge.
- 4. Enhancing Pedestrian Safety at Unmarked Crosswalks using Smart Detection Systems:** Unmarked crosswalks lack clear visibility and protection, increasing pedestrian accident risks. Current safety measures are insufficient, leading to frequent incidents. Implement smart detection systems to monitor and alert drivers about pedestrians which enhance safety at these crosswalks, reducing accidents and improving overall pedestrian protection.

SUBMISSION OF IDEAS

- Use the “REGISTER NOW” option in the Dr. Pradeep P. Thevannoor Hackathon Awards 2024 website (<http://www.pptinnovationawards.in/>) and enter the Team Name, School Name, Email id, Mobile No. of team leader and all other Members details.
- Download the “IDEA TEMPLATE” / SAMPLE IDEA PRESENTATION ppt 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 template** presentation and the authorization letter from the school/college.

PROCESS AND TIMELINES SELECTION CRITERIA & EVALUATION

- First Round Idea Submission – 06/10/24 - 30/10/24
- Announcement of Finalists – First week of November
- Grand Finale Evaluation –Third week of November

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 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.75000/- (first prize), Rs. 50000/- (second prize), and Rs. 25000/- (third prize).
