

# IEEE WIE SOCIAL HACKATHON LEAGUE 2022

**WIE SHall overcome...**

Contest 1 & 2 : 15 August to 15 September 2022

Contest 3: 15 September to 15 November 2022



## Themes



Education



Agriculture



Sustainable Development



Smart Healthcare

Win **EXCITING PRIZES & AICTE ACTIVITY POINTS**

### Participation Criteria:

- Group of 4 (with at least one girl in the team)

### Who can participate?

- Open to all branches of Engineering (BTech, MTech. BCA, MCA students)

### Seriousness Fees in INR :

- Contest 1 & 2 ( Non - IEEE - 200 ) | ( IEEE – 100 )
- Contest 3 ( Non - IEEE - 500 ) | ( IEEE – 250 )

**All contests open to all years**

### Contest

Contest 1 - **Problem Scoping**

Contest 2 - **Ideation**

Contest 3 - **Project Implementation & Showcase**

**Register Now**

<https://in.explara.com/e/wie-hackathon>

**Registration open only for contests 1 & 2**

## IEEE WIE SOCIAL HACKATHON 2022

### ABOUT THE IEEE WIE SOCIAL HACKATHON

The IEEE – WIE Bangalore section is conducting this event in partnership with IEEE Bangalore Section, Power Electronics Society, SIGHT, Sensors Council, PES, Computational Intelligence, Education Society, TEMS. This project-based learning approach will help engineering students to get hands-on learning experience and will also help them earn activity points at various stages of the project. Come participate and grab this great opportunity to collaborate, brainstorm, ideate and create solutions for challenging problems with Impact to Humanity.

### Hackathon problem Theme / Focus areas

- A.Smart Farming
- B.Education
- C.Sustainable Development - Urban
- D.Smarter Healthcare

#### Examples:

- Crop cycle predictions
- Smart water management for irrigation
- Telecommunication applications for farmers
- Access to education for specially-abled students
- Developing interactive bot for connecting citizens with govt agencies for grievance addressal.
- Improving the accuracy of estimating Greenhouse gas emissions.
- Analysing carbon footprint of goods delivery services.
- Waste management in cities.
- Creative solutions to aid the elderly.
- Identifying and proposing aids for children/adults with special needs
- Interactive applications to support personalized health care

### Hackathon Phases & timelines:

#### Contest 1 Problem Scoping

- Teams are expected to research and identify problems in any one of the focus areas.
- Teams must conduct and compile user interviews to define the problem.
- To be conducted as league events at Individual Ous - / Student Branches.

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## Contest 2 Ideation

- Teams should arrive with a proposal for a problem defined in Contest 1 .
- Proposal must outline
  - how the problem would be addressed,
  - the tools required, intermediate review milestones and
  - the budget to implement the solution.
- Proposals from Contest 2 will be evaluated and shortlisted for contest 3 – the implementation phase.

## Contest 3 Implementation & Showcase

- Selected teams will be provided up to Rupees 5000 for implementing the proposal.
- Students will be assigned two mentors each one from academia and a subject matter expert from industry.
- Teams to get an opportunity to showcase their completed projects.
- On successful completion of the requirements in each phase, students will receive AICTE activity points and Certificates as summarised in the table below.

Contest	Description	Timelines	Expected Outcome	Deliverables on Completion
1	Problem Scoping – Identify the problem in the given focus areas.	15th Aug – 31 Aug'22	<ul style="list-style-type: none"> <li>• Poster</li> <li>• Problem Presentation</li> </ul>	Participation certificate AICTE Activity Points: 5
2	Ideation Identify the problem from CMT database	15th Aug – 31 Aug'22	<ul style="list-style-type: none"> <li>• Abstract</li> <li>• Tools that could be used</li> <li>• Breakup of the timeline in terms of tasks to be achieved every 2 weeks.</li> <li>• Budget</li> </ul>	Shortlisted projects will receive Prizes. Certificate AICTE Activity Points: 5
3	Implementation	1st Sept – 30 Oct'22	<ul style="list-style-type: none"> <li>• Showcase the completed Project</li> </ul>	AICTE activity Points

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