



SAFE | SMART | SUSTAINABLE



## MOBILITY HACKATHON 2022

10 Problem Statements on Safe, Sustainable, Smart Mobility  
Solutions for an Aatmanirbhar Bharat!



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## FAQs: ARAI TechNovuus Mobility Hackathon

### Q.1 Which colleges are eligible to participate in ARAI TECHNOVUUS MOBILITY HACKATHON?

- Participation in the hackathon is open for all science and engineering colleges across the nation.

### Q.2 Which students can participate in the hackathon?

- Students from engineering (any stream), science, and automotive colleges are eligible to participate.

### Q.3 How to register for ARAI TECHNOVUUS MOBILITY HACKATHON?

- Students can directly register themselves. You can click on [ARAI TechNovuus Mobility Hackathon](#) to register. It is Mandatory for all the participants registering for Hackathon to also register on [Technovuus](#) Portal.

### Q.4 What are the benefits to the students participating in the hackathon?

ARAI TECHNOVUUS MOBILITY HACKATHON is an innovation competition that aims at solving problems in the automotive domain offering:

- Encouragement to students to think innovatively and out-of-the-box
- Hands-on exposure working on industrial problems.
- Hand-holding and guidance from industry mentors for innovation projects
- Exciting prizes under various categories
- Boost confidence and team spirit

### Q.5 How should the students form a team?

- All team members should be from the same college; no inter-college teams are allowed. However, members from different branches of the same college/ institute are encouraged to form a team.

- Each team would mandatorily comprise of minimum 2 and a maximum of 4 members including the team leader and excluding the Team Mentor (Faculty Member)
- We encourage multi-disciplinary teams – which means your team should have a good mix of Mechanical Engineers, Electronic Engineers, Product Designers, Programmers, etc.

**Q.6 How should the teams come up with ideas? How are the ideas to be submitted?**

- 10 problem statements have been shared on the hackathon portal. Teams are free to select any problem statement that appeals to them.
- Teams may apply to multiple problem statements, however, if multiple submissions are selected, teams may only participate in 1 problem statement for the final event.
- Teams, under the guidance of their college mentor, can come up with an idea that can help solve the problem.
- **The idea can be explained on a 3-minute-long video where the student team will get to describe the idea that they propose to the problem they have chosen, and may show a prototype/diagram/presentation explaining their idea.** The video can be uploaded on YouTube as an 'UNLISTED' video. You may mention the link to the video in the Idea Submission Template.

**Q.7 What is the selection criteria?**

- Post Idea submission process, the ideas will be evaluated by experts.
- Evaluation criteria will include novelty of the idea, complexity, clarity, and details in the prescribed format, feasibility, sustainability, the scale of impact, user experience, and potential for future work progression.

**Q.8 How would the students receive Hackathon updates?**

- All updates related to the hackathon will be given on the website itself and also email will be sent for ease of communication. We would recommend regularly following the hackathon website and TechNovuus for updates, to avoid inadvertently missing any emails.

**Q.9 What is the timeline for ARAI TECHNOVUUS MOBILITY HACKATHON?**

The tentative dates would be:

Event announcement	13 <sup>th</sup> January 2022
Registrations open	1 <sup>st</sup> March 2022
Idea submission	1 <sup>st</sup> March 2022 – 27 <sup>th</sup> March 2022
Evaluation	28 <sup>th</sup> March 2022 – 5 <sup>th</sup> April 2022
1 <sup>st</sup> Round Result announcement	7 <sup>th</sup> April 2022
Grand Finale	28 <sup>th</sup> – 29 <sup>th</sup> May 2022

**Q.10 When/where will the shortlisted Teams be announced?**

- Notification about selected teams will be put up on our portals and will also be sent by mail.

**Q.11 Will Mentor be provided for selected teams?**

- TechNovuus-ARAI and i4C will provide subject matter experts/mentors to the selected teams to prepare for the finale.

#### **General responsibilities of Mentor**

- To mentor and guide teams via Skype/phone/video chat or in-person before the grand finale to help convert students' ideas into a working prototype.
- To provide guidance and support to their allocated teams. Mentors along with participating students work together as a team during the grand finale
- To work collaboratively with the allotted student team during the Grand Finale to build a working prototype.

#### **Q.12 What happens at the ARAI TECHNOVUUS MOBILITY HACKATHON?**

- The Finale would be a two-day program where teams would be able to work together and create a usable product as per the idea submitted by them. Experts would be evaluating their solutions, asking them questions, and scoring the ideas. The winning teams would be announced on the day of the grand finale.
- The Teams will have to build and display their hardware prototypes or software solution as per Problem statement requirement.

#### **Q.13 What will be the venue for the ARAI TECHNOVUUS MOBILITY HACKATHON Finale?**

- The hackathon finale will take place physically at Pune. An update regarding the same will be provided on our portal as well as by mail.

#### **General information regarding the Grand Finale**

- If a team is selected for the final Hackathon, members will need to travel to Pune
- College faculty members traveling with teams for the grand finale are not eligible for any reimbursement of travel expenses.
- Accommodation details will be provided in due course.
- Each college/institute will issue a stamped photo ID to each member of the teams selected for the finale
- Original college photo ID is mandatory for participating in the finale.

#### **Q.14 What are the prizes to be won?**

- Amount of prize money to be awarded to each winning team is Rs.1,00,000/- per problem statement.
- If there is a tie between two or more teams, the final decision of the prize money distribution will be taken by the problem statement creator only and once the decision is made, it won't be changed further.
- The team members of every winning team will be individually awarded a certificate.
- Apart from the winners all other participants will be provided with a Participation certificate.

#### **Q.15 What if a team does not win?**

- Winning and losing are part of the game. The overall experience derived from participating in the initiative would hugely benefit the students. Besides this, all students whether their teams win or lose will be given **Participation Certificates and goodies.**

#### **Q.16 Where and how to submit the Idea Submission Template?**

- Please download the [Idea Submission Template](#) from the ARAI Technovuus Mobility Hackathon Page.
- The Team will be provided a google form to submit their Idea Submission Template in Pdf format where in a provision will be provided to upload ideas according to their designated Problem statements.
- Please ensure only one idea is submitted per problem statement.
- Please name your Idea submission template PDFs in the following format: **Category/Theme name\_Problem Statement serial number\_Team Leader Name**  
Eg: **Safe\_01\_RohanRao**

#### **Q.17 Where to find the Terms and Conditions of the HACKATHON?**

- The Terms and Conditions will be specified on the google form provided for registration near the consent approval section.

#### **Q.18 How to contact us?**

- Contact detail have been provided on the ARAI Technovuus Mobility Hackathon Page.
- Additionally, please contact us on:

[info@technovuus.araiindia.com](mailto:info@technovuus.araiindia.com) or [WhatsApp](#)

#### **Miscellaneous Information**

- Intellectual property (IP) of all submitted ideas shall lie with the student innovators.
- If the ideas are selected for further development support, IP sharing would be applicable and details will be decided upon and formalized accordingly.
- The ideas or solutions provided/developed/proposed by the team must be new and must not have been present in any previous event/program of any sort. Any IP infringement will not be tolerated and be dealt with seriously.