

Some FAQs about the hackathon:

What is AIITRA? Who are the organisers of this competition?

All India Institute of Technology Robotics Association (AIITRA) is an organisation which is jointly formed by India's top IIT's Robotics Clubs in the year 2021. AIITRA Robotics Challenge 2021 is our first virtual robotics hackathon to be conducted all over the globe.

Are there any prerequisites?

There are no prerequisites to register for the hackathon, but the problem statement does involve heavy use of simulating softwares like ROS GAZEBO. While having some pre-knowledge is a huge plus, you can learn all the required skills on the go.

Will there be any training or workshops before the competition?

There will be no training provided by the organizers for the hackathon although all the required skills can be readily learned on the Internet. Youtube and Wiki tutorials are a good source for ROS to start with.

What are the eligibility criteria for the participants?

Students enrolled in Science and Engineering Post-Graduate and Undergraduate programmes all across the Globe are eligible and most welcome to participate.

What If I can't find a team? Is there a way to connect with other students and form a team?

Unfortunately, we can't help you find teammates. However, the norms of forming a team are pretty relaxed. Your team may consist of students from different disciplines, different streams, or even different Universities.

Can we participate individually if we are not able to find team members?

AIITRA Robotics Challenge 2021 is a team based challenge and thus does not permit individual participation. We do understand it might be difficult to find teammates owing to the pandemic condition and thus the norms of team formation are fairly relaxed.

Can students from different institutes participate together?

Yes, students from different institutes can form a team together as long as all the team members are enrolled in an Engineering or Science programme.

Can a commerce student also participate if he/she is interested in Robotics?

Unfortunately, the challenge this year is only restricted to Engineering and Science students.

What all files and their format to be submitted for Qualifiers Round?

For the Qualifiers round, your submission must include:

- A Proposal Document
- Simulation videos
- CAD model
- Any other files that may supplement your solution

Further guidelines are mentioned in the Problem Statement attached.

How will teams be judged?

Teams will be judged for the design of the robot, multi-agent planning strategy used for the given world, optimal number of agents used per map and time taken to clean a map. There are a total of 100 points to be earned. The detailed points distribution is given in the Problem Statement attached.

Who can I contact to request for more information on this competition?

You can post your questions in the discussion section and we will try to answer it ASAP. You can also write to us on info.aiitra@gmail.com for all your queries.