



**INTER IIT
TECH MEET 13.0**

***NO
PREP***

***RIGBETEL
LABS[®]***

ROBOQUEST

Guidelines

- RoboQuest will be conducted in two rounds, both held within the IITB campus
- Round 1 will be a simulation-based qualifier scheduled for 11th December 2024
- Round 2 will involve hardware task, on the hardware provided by Rigbetel Labs.
- Only the top 10 teams, shortlisted based on their Round 1 grading, will participate in Round 2.
- Round 2 is scheduled for 12th December 2024.
- Each IIT is allowed to make only one submission per round.

Format & Syllabus

Participants are expected to be proficient in Ubuntu 22 and ROS2 HUMBLES

- The problem statement will primarily revolve around SLAM, localization, sensor fusion, and navigation.
- Accuracy, performance across various parameters, approach to solve the problem statement etc. will be evaluated.
- Participants are required to implement their code on Rigbetel Lab's hardware to execute the assigned tasks.

Note: Further logistical guidelines will be shared few days before the competition.