



**INTER IIT
TECH MEET 13.0**

*NO
PREP*



MESSIER MARATHON

Guidelines

- The Messier Marathon will be conducted in two rounds, both held within the IITB campus
- Round 1 will be a pen-and-paper test scheduled for 11th December 2024
- Round 2 will involve telescopic observations and calculations.
- Only the top 10 teams, shortlisted based on their Round 1 scores, will participate in Round 2.
- Round 2 is scheduled for the evening of 12th December 2024, and will consist of two parts: Round 2.1 and Round 2.2.
- Each IIT is allowed to submit only one answer booklet per round.

Format & Syllabus

Round 1

- The question paper will have a total of 5-7 questions of differing difficulty and length. The difficulty level for the most difficult questions will be similar to Astronomy Olympiads (IAO / IOAA).
- All questions will be in subjective format and the answers as well as the processes must be explained as rigorously as possible.
- The broad topics range would include classical astronomy topics such as orbital mechanics, spherical trigonometry, optics and stellar observations.
- Partial marks will be awarded and double penalty is avoided as per standard practice of Olympiads.
- Final answers without proper justifications / reasoning will not be awarded any marks.

Round 2

- Participants are expected to be proficient in handling Newtonian telescopes mounted on equatorial mounts.
- Participants are expected to know stars, solar system and deep sky objects in the night sky.