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## Mech Arena – 3D Designing Challenge

Mech Arena is a competitive, technical 3D-CAD modeling event designed to evaluate participants' speed, creativity, technical accuracy, and practical design thinking. The event progresses from rapid modelling to advanced, complex modelling techniques. Participants will work under time constraints and with problems challenging their ability to convert ideas into functional designs using CAD tools.

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### Event Structure

- **Round 1: Speed Modelling Phase 1**
  - Participants must recreate a given 3D CAD model within the limited time.
  - This is a head-to-head challenge in which each participant or team is randomly matched against another to compete for qualification to the next round.
  
- **Round 2: Speed Modelling Phase 2**
  - A common, more complex design will be provided, and participants will be required to model it and apply the “material” property.
  - Participants will then be required to obtain the mass directly from the design software.
  - In this round evaluation will be based on the correctness of the obtained mass value and speed of modelling.
  - The top 20 teams will advance to the third and final round.

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### • **Round 3: Advanced Modelling**

- Each team will be provided with a complex design and will be required to model it, assign material properties, and perform basic calculations to obtain the solution to the problem accompanying the design.
- Evaluation will be based on both the accuracy of the solution and the quality of the modeled design.

## **Participation Details**

- Participation may be individual or in teams of up to two members.
- $\Delta$  Individual participants will be treated as a single-member team for evaluation and advancement.
- Registration Fee: ₹200 per head.

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## **PRIZE POOL**

- Total Prize Pool: ₹10,000
- The determination of the prize will be made by the jury and will be final.

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## **Event Schedule**

- Date: February 20, 2026
- Event Timing: 1:30 PM to 6:30 PM