

Event Title: BridgeCrafter (Bridge Building – Bridgelt)

Tagline: Design. Build. Withstand.

Overview:

Participants must design and build a model bridge using limited resources that can withstand the maximum load while meeting specified engineering constraints.

Team Size: 2–4 members

Eligibility: Open to civil, mechanical, and architecture students

Materials Provided:

Ice cream sticks, fevicol/glue & thread

Bridge Specifications:

Dimensions

- Span (Length): 300 mm to 400 mm
- Height: 100 mm to 150 mm
- Width: 100 mm to 125 mm

Design Guidelines

- A preliminary sketch must be presented and approved before construction begins.
- Recommended truss designs include:
 - Warren Truss
 - Pratt Truss
- Design must ensure:
 - Structural stability
 - Symmetry
 - Efficient load distribution

General Rules :

- All construction must take place on-site.
- Any bridge not meeting the specifications is subject to penalties or disqualification.
- Judges reserve the right to inspect bridges during construction.
- Time violations may result in score deduction.
- Judges' decisions are final and binding

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