

BRIDGING MINDS - RULE BOOK

(TECHNOVATE 2025)

Description:

A bridge-making competition is an event where participants design and build small-scale models of bridges using materials like Ice cream sticks. The goal is to construct a bridge that is not only structurally sound but also capable of supporting the heaviest load possible without failing.

General Rules:

1. Team Composition: It is a Spot Event Each team can have 2-4 members. No external help is allowed (only team members can work on their bridge).
2. Registration: Teams must register before the deadline.
3. Bridge Type: Participants will construct a model bridge using specific materials given by organizers.
4. Time Limit: A fixed time duration of **90 MIN** will be given to build the bridge. Participants should complete tasks within stipulated time. 2 hours will be given to setting the glue, after that the testing will began.

Materials:

1. Allowed Materials: Only materials provided by the organizers can be used (ice cream sticks '**130**', cutter, Fevicol, **no extra materials like string, tape, clips, or reinforcements**)
2. Participants should bring their own scale if **required**.
3. Adhesives: Only Fevicol is allowed; no other fastening materials (like screws or nails).

Evaluation Criteria:

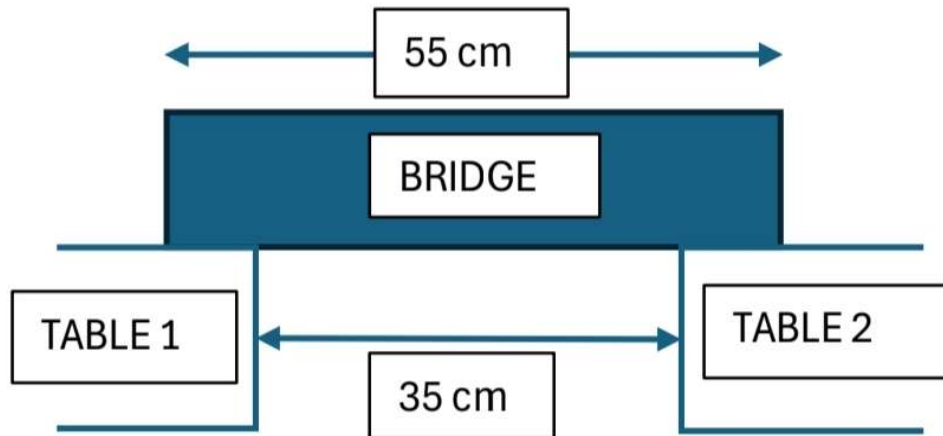
1. Efficiency of the Bridge – How much weight the bridge can hold (BREAKING LOAD) before failing and the Self weight of the bridge is measured. Accordingly the Efficiency is calculated and the bridge with highest efficiency is determined.
2. Construction Quality – Neatness, stability, and proper joint connections.
3. Bridge must be able to stand on its own.
4. Bridges will be tested by placing weights incrementally.
5. The weight will be placed hanging at the center of the bridge.
6. Aesthetics & Design – Creativity, symmetry, and overall appearance.

7. Size Constraints: The Bridge must fit within a specified length, width, and height.

Length - 55 cm

Height - 10 cm (minimum)

Width - 10 cm (minimum)



Typical arrangement of the loading

Disqualification Rules:

1. Using prohibited materials.
2. Exceeding the size constraints.
3. Tampering with other teams bridges.
4. Reaching Late at the venue.

Registration fees:

1. Rs 150 /- per Team
2. Payment can be made via UPI or cash at the registration desk.

Venues & Timing:

Venue: Geotech Lab 215 (2nd Floor) CIVIL DEPARTMENT - PCET'S PIMPRI
CHINCHWAD COLLEGE OF ENGINEERING & RESEARCH, RAVET (PCCOER),
PUNE – 412101.

Timing: 10: 30 am sharp

PRIZES:

1st Prize: Rs.5000/-

2nd Prize: Rs.3000/-

3rd Prize: Rs.2000/-

Note-The prize money will be transferred to the team leader's registered bank account.

REGISTRATION DETAILS:

Registrations can be done online or at the venue.

Participants must provide valid college ID proof at the time of Event.

CONTACT US:

For any queries, feel free to contact us:

1. ROHIT CHOPKAR - 9850852050

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**NOTE - ALL PARTICIPANT'S WILL GET THE PARTICIPATION
CERTIFICATE**

Build with passion, innovate with confidence, and most importantly, have fun!"