

CANTILIVO

Registration fees-Rs.400

Problem Statement

To design and construct the most efficient L shaped cantilever beam within the specifications.

Rules

1. The beam must be constructed only from Pop-sticks (250 PROVIDED) and adhesives. No other materials may be used.
2. The beam may not be stained, painted or coated in any fashion with any foreign substance.
3. The Popsicle sticks may be cut or trimmed to any shape or size.
4. The adhesive can only be used to join Pop-sticks together; however adhesives cannot be applied on the free surface of the member sticks to increase its strength.
5. The choice of the type of beam is upon the discretion of participant.
6. At any point in the beam, the pop-sticks must not be joined in more than two layers.
7. The loading would be done by the weights or by bag of sand.
8. Prior to testing of the beam, the dead weight of the beam is noted down.
9. Failure to adhere to the maximum weight limit of the beam would result in disqualification.
10. All construction and material requirements will be checked prior to testing.
11. Beam failing to meet these requirements will be disqualified.
12. The beam with the highest structural efficiency, E , will be declared the winner. $E = \text{Load supported in kg} / \text{Mass of the beam in kg}$.
13. The organizers reserve the rights to change any or all of the above rules as they deem fit. Change in rules, if any will be highlighted on the website and

notified to the registered teams.

14. Violation of any the above rules will lead to disqualification.

15. Our general rules are applicable.

Team Specification

A team may consist of maximum 4 participants. Students from different educational institutes can form a team.

Certificate Policy

Certificate of excellence will be awarded to the top 2 winners.

Certificates of Participation will be given to all the participants, but not to the teams

which get disqualified due to disobeying any of the competition rules.