

BridgeIT

ABOUT

Design a Trussed Arch Bridge using Popsicle sticks and Fevicol as adhesive (without utilizing any strengthening covering) that can sustain the greatest conceivable load without failure, fulfilling all the understated constraints.

DETAILS

Date: 13th July 2018.

Time: Test(04:30pm to 06:30pm)

Round(10:30am to 12:30pm)

Fees of Event: - For IEI Member: 30/- per head.

For Non-IEI Member: 50/- per head.

Location: for Test GF-26

For Round GF-26,FF-17

RULES

- The Bridge must be deck **arch bridge** only.
- The Arch Bridge deck must be of length **800mm** with an allowance of **±20mm**.
- The maximum width of the bridge should be **80mm** with an allowance of **±10 mm**.
- The difference in the level of the base of footings must be **150 mm** with an allowance of **±10mm**.
- The height difference between roadway and base of the lower footing must be **450 mm** with an allowance of **±10 mm**.
- The bridge should have maximum **14 vertical columns** (7 pairs) connecting deck and arch.
- Centre to Centre horizontal distance of footing should be **680mm** with an allowance of **±20mm**.
- Penalty Criteria for above-mentioned rules:
Penalty of **5% of total score** (refer Scoring section) will be deducted for each dimension exceeding the allowance limit.
Further extension in dimension values will lead to direct disqualification.

CONTACTS

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