

PADRE CONCEICAO COLLEGE OF ENGINEERING,
VERNA



TECHYON
2021

MEC FEST

7th Oct 2021
11:00am

Prizes worth
Rs. 3000/-

BRIDGE BUILDING

Coordinators

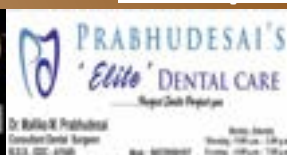
Chetan Karanzalkar- 8698472154

Ramanand Morajkar- 7387382385



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PADRE CONCEICAO COLLEGE OF ENGINEERING, VERNA



BRIDGE BUILDING

Type: Intra college.

Location: PCCE Verna.

Date: 7th October 2021

Time: 11:00am

Materials:

50 straws of 25 cm length.

Cello Tape

Glue (only fevicol to be used)

Stapler if required

Dimensions:

Width=8 to 10 cm

Total length=40 cm max

Total height= 15 cm max above the support.

Roadway: 3cm max thickness.

Duration:

60 minutes for building the bridge

Rules:

1. A team should consist of maximum 5 members.
2. Tape or stapler should be used only on the joints and junctions of the straws and not on its entire length.
3. Taping the entire Roadway is not allowed.

4. **Loading conditions:**

The load will be applied vertically at the center of the bridge.

The load will be applied directly to the roadway.

5. **Support:**

Support will be provided for the bridge to sit on.

Supports will be placed 30 cm apart.

6. **Weight:**

If there is a tie, bridge having minimum weight will be considered as the winner.

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Judging Criteria:

Round 1

Dimension round (qualification round)

Bridges failing to meet the given dimensions or failing to abide by the above rules will be disqualified.

Round 2

Load and Look Test

Judges will give marks out of 100 for the overall aesthetics of the bridge. These marks will be then added to the maximum load the bridge takes before collapsing.

The bridge with higher total points will be declared as the winner.

Eg:- Marks for looks – 70

Total load taken- 1100gm.

Total points – $1100+70=1170$.

NOTE- Judges decision will be final and no objections will be entertained after the declaration of the results.

Instructions:

1. Compulsory event for all the First Years.
2. Only straws will be provided.
3. Not necessary to use all the straws.
4. The team leaders will be added to a Whatsapp group where all the other instructions and queries regarding the event will be answered.

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5. Vehicle/ box must be able to pass through the entire length of the bridge with no obstruction.
6. E-Certificates will be given to all the participants.

Covid Protocols:

Wearing masks is compulsory at all times.

Social distancing to be maintained at all times.

Gathering of crowds will be discouraged.

Organizers have the right to disqualify the group not following the protocols.

Prize Money:

1st Prize- Rs. 2000/-

2nd Prize- Rs. 1000/-

Registration form:

<https://forms.gle/a9HKPmuWnBcxuKr26>



Techyon Website:

<https://techyon2021.netlify.app/>