Viaduct

About

Walking on a bridge, this is highly likely for a civil engineer to wonder about its construction, to get curious about its strength and design, to be eager to predict its durability. Viaduct is an on the spot event to be conducted in Exodia. In this event, the participants will have to build a bridge using the materials provided. Thinking at an elementary level, grab the opportunity to make a structure that would stand firm on the strong base of your structural knowledge.

Problem

Design an arch or cable stayed or suspension bridge.

To be followed strictly:

1. The end-to-end length (span) of bridge should be between 750 mm and 1300 mm

2. Width of deck should be between 180 mm and 250 mm.

3. Height must be less than 1000 mm.

4. Other than design for keeping the bridge to stand no other construction is allowed at the base.

5. No outside material (other than what is provided by organizers) should be used in construction.

6. No extra material will be provided.

7. There should be at most 4 members in a team.

8. All team are expected to report at scheduled time.

Material provided:

Wood, thread, pins, adhesive, hammer, saw.

Drill set will be available with organizing team members.

Scoring:

	Criteria	Points
1.	Load at which structure fails	50
2.	Economy of material usage	15
3.	Time taken	10
4.	Overall aesthetics	10
5.	Application of engineering principles	15

**Decision of judges shall be final and abiding.

FAQ's:

1.Who can participate?

      Anyone irrespective of their branch and year.

2. Is there a need to bring any equipment?

      No, everything will be provided by organizers.

3.Do all team members in a team need to be from same college?

      No, they can be from different colleges also.

4.Are there any prequisites for event?

      No, none.

5.Whom to contact for further queries?

      You can contact event organizers as mentioned in this document.

Prizes: Worth 5K

Registration: Rs.200

Event Coordinators: Gaurav Meena (7807112886) Ajay Kumar (8789440792)

      Ashutosh Kumar (7807104705).