**structural designing**

*we shape our buildings thereafter they shape us*

*the branch of civil engineering that deals with large modern buildings and similar structures*

*in this tech juncture we are putting forward an event in which you have to make a structure with the help of available material in which your imagination is the only restriction.*

***problem statement***

***you have to design and make a structure that can bear a load of\_\_\_\_\_kg***

***Rounds and details***

***Round-1***

***you have to make a structure with the material you are given within a specific time limit***

***Round-2***

***your structure would be tested for the load if it has or not come to prior provisions***

**Event Struture**

* No. of participants in a team can be 1-6
* **Specific time will be given to each team,they have to complete their work in that period.**

**Materials**

**Popsicles/ice-cream sticks , fevicol,threads(can be used for construction but should not be present in final structure) , etc.**

* Sticks can be altered physically by cutting or notching at any angle .
* No extra material other than the provided ones are allowed.

**Dimensions and Weight Specification**

The Bridge dimensions should be within the specified limits of:

o Length = 56-60 cm

o Width = 10-11 cm

o Height = 12-16 cm

The members of the bridge can be built by grouping a maximum of 8 sticks together.

**Clear distance:** An 8cm high by 10cm wide clearance must be provided along the entire length of the bridge.

**Judging and Scoring**

The scoring of the structure will be based on performance as well as aesthetics. The bridge will be scored on how well the material has been used to support the load.

The platform will be same for every team and will be placed at the middle of the structure.

The bridge model will be loaded till failure. The maximum deflection at the point of yielding and the load at that

moment will be also used to evaluate the structure.

**In engineering , the best solution may not always be the biggest or strongest bridge** .

Judges will judge the bridge based on the detail to connections and members , the uniqueness of the design and its overall look.

***FAQ***

***Q1)can we have google access while building structure?***

***Ans.no, no googling would be allowed there.***

***Q2)how many popsicles|ice cream sticks we would be provided ?***

***Ans)therewould be a fixed no. for each team***

***for further queries contact:***

***event manager event coordinator***

***Ujjwal shukla kavita faujdar(8006553465) Sahil sagar***

***aditi sharma(9917941172)***

***venue- auditorium***

***prize details***

***1st -₹3000***

***2nd -₹1000***

***3rd-₹500***