



**TECHFEST-2022**



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## Rules & Regulations

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**DEPARTMENT:** Civil Engineering

**NAME OF EVENT:** Colrefs

**NO. OF MAX. PARTICIPANTS:** Maximum 4 and minimum 2 participants per team  
(120 max team)

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**EVENT DESCRIPTION:**

- Engineers are supposed to build a structure and achieve maximum height of the structure by use of most innovative and thoughtful ideas with the help of provided material.
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**TEAM SPECIFICATION:**

- Team should be consisting of maximum 4 and minimum 2 participants.
  - Students from different institutes can form a team for the event.
  - Student should carry their valid college identity cards of their respective institute at the time of reporting.
  - Switching of team members during the ongoing event will not be allowed.
  - Use of any kind of help from Google is strictly prohibited.
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## REQUIREMENTS: (Provided by Host Institute)

- Wooden kit of different blocks.
- 100 GSM paper for printing of building photo.
- Jumbo plastic bags,
- Fevicol.
- Sand paper.
- White paper tap

## GENERAL RULES:

- Structure should be of any shape satisfying all the constraints.
- All the given materials should be compulsory used.
- Any team that is not ready at the time specified will be disqualified immediately.
- The minimum height of the structure must be of 50cm.
- To play second round the team must have to qualify the first round.
- Judge's decision shall be final and binding on all.

## LEVEL DESCRIPTION:

- **Round 1(Qualifying Round):** (1 hour 30 minutes)  
All teams have to play the quiz game related to civil engineering concepts. According to the result of the quiz, teams will be shortlisted for the next round.
- **Round 2 (Surprise Round):** (1 hour 30 minutes)  
The teams qualified from Round 1 are required to take part in this round. Details of the round will be disclose at the time of round. But this round is based on understanding between your team members and technical knowledge



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related to civil engineering.

- **Round 3 (Final Round):** (1 hour 30 minutes)

Area of any shape will be given and 4 different types of wooden blocks will be provided to each team. They have to construct stable structure using such blocks in given time. After that judges will remove 3 to 4 blocks randomly from the structure which should give maximum stability. Those structure after removing blocks gets highest stability, will get points.

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## JUDGING CRITERIA:

- Random blocks will be removed from constructed structure.
- The height of building will be measured before and after removal of blocks.
- Timings will be counted in total structure designed.
- The arrangement of shape should be perfect.
- In case of tie in round 2, summation of round 1 and round 2 marks will be considered.
- Team with the higher summation will get better position.
- Structure Shape should be of absolutely in any shape satisfying all the constraints.

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## JUDGES:

Any one Industry Expert with minimum 10 years of experience in the relevant discipline  
OR

Any one Academic Expert with minimum 10 years of experience in relevant discipline  
AND / OR

Any one faculty from any other GTU affiliated college in the same zone  
AND /OR

Any one faculty from the Host Institute



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## EVENT COORDINATORS:

You can contact the following coordinators if you have any query regarding the event.

Sr. No	Name	Faculty/ Student	Contact No	Email ID.
1	Prof. Dhaven Rughani	Faculty	9664964569	Dhaven.rughani@gperi.ac.in

