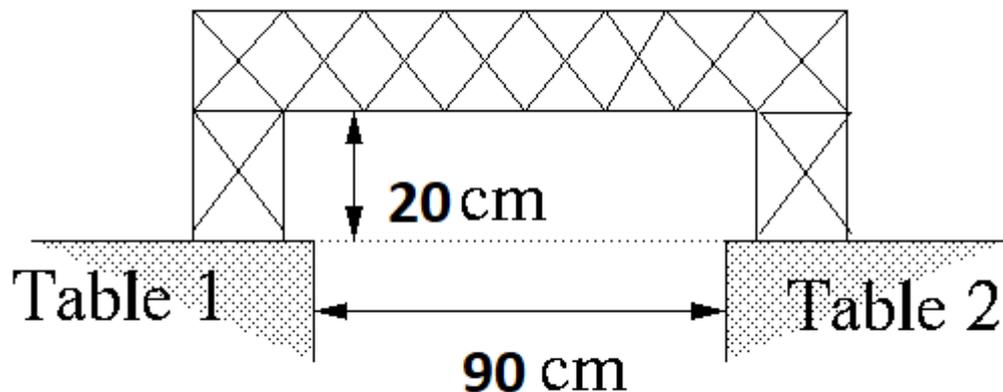# Department of Civil Engineering

Bridge making

Topic: Popsicle sticks bridge

A. Objective

To build the bridge within our specifications that has the highest payload to weight ratio. The bridge must be constructed of approved materials.

B. Apparatus

- Building Materials:
    1. Popsicle sticks.
    2. Fevicol.
- Dimensions:
    1. Min Span Length - 90 cm - min. There will be a 90 centimeter "gap" which must be spanned by the bridge.
    2. Max Span Width - 15 cm - min.
    3. Min Span Height – 20 cm - min. There must be 20 centimeters between the table surface and the lowest point on the bridge span.
    4. Rule update #2 Diagram presented for clarification:

5. The bridge must be able to stand on its own.
6. The bridge must be able to support the load at the loading points. There will be two loading points, each one will be at the "deck" level, 20 centimeters from the center of the span.

C. The Competition

1. Teams must submit their bridge 1/2 hour before the competition for inspection.
2. Inspection will test that the construction rules were followed and will record the mass of the bridge.
3. Certified bridges will be placed over "Crusher Canyon" by the team members, who may make final adjustments in its position. The canyon will consist of a 60 cm space between two flat desktops. Nothing will be provided to keep the base of the bridge in place during loading.
4. Once the bridge is in position, the loading tray will be attached in the position indicated above. The load will hang below the bridge, supported by two bars which rest on the deck of the bridge, 20 centimetres from each end.
5. Bridges will then be subjected to loading. Bridge failure will be considered the point at which the bridge breaks or the point at which the loading tray drops more than 5 centimetres from the unloaded position.

D. Judging and Scoring

1. The greatest load prior to failure will be a bridge's capacity.
2. The capacity divided by the bridge mass will be the bridge's score.
3. The bridge with the highest score wins the event.

Paper Presentation topic

1-Advance construction techniques

2- New techniques of water conservation

3- Smart village

4- Advance technique of solid waste disposal

5- Inter linking of rivers

Rules:-

1. Maximum number of participant in a team is 2.
2. Abstract should not exceed 1 page and paper should not exceed 10 pages.
3. Bring your college I-Card & Receipt on event day.
4. Please bring your PowerPoint presentation on a CD and on a Pen-drive

5. Soft copies of the submitted paper and powerpoint presentations must be in the .docx format.
6. Please bring 2 hardcopies of the submitted paper on the day of the event.
7. The team will be get 10 minutes for presentation followed by question and answer session.
8. The mail with submissions should contains:
    i. Title-theme of the paper.
    ii. Name of the authors.
    iii. Phone no of the both the authors.
    iv. Email-ID.
9. Paper should be in a one column format & should not exceed 10 pages.
10. Paper should be in Times New Roman font size 12.
11. For headings use bold and a font of size 12.
12. Paper must contains index, list of figures , list of tables, abstract , introduction , Point wise description of subjects and conclusions and references.
13. Paper must be preceded by a cover page specifying the title of the papers, names of authors and their college names as also their contacts numbers abd email id's
14. Last day to submit soft copy of your report (via email) will be two days prior to the day of presentation.
15. After you have submitted the soft copy, a panel of judges will go through your material and if you are shortlisted to give the presentation, you will notify.
16. The abstract mail should contain abstract, references, your email id and mobile number.
17. The decision of judges will be final and no arguments or appeal will be entertained.

Quiz Competition:

Rules

1. Total 3 rounds will be there.
2. First and second round will be based on tick marketing objective questions.
3. Final round will be online.
4. 2 members per team will be allowed.
5. Carry id card with you
6. Experience jury members will evaluate the papers.
7. Final decision will be with organizing committee in case of any dispute.

Dept of Automobile Engineering

Events Rules & Regulations

1. Technical Quiz (Team @ **Three** participants)

Topic: Basic Questions of All Field
Rules:

GENERAL RULES

1. A team shall consist of max two persons.
2. The decision of the quiz-master will be final and will not be subjected to any change.
3. The participants shall not be allowed to use mobile or other electronic instruments.
4. The questions shall be in the form of multiple choice, True / False statement, Specific-answer question etc.
5. Audience shall not give any hints or clues to the competitors.
6. Replacement of any participant of a team is not allowed after registration
7. Teams selected for the final rounds will be allowed to give themselves an appropriate name related to the competition by which they may want to be known

ELIMINATION ROUND –

- Each student would be given a set of question paper containing 30 multiple choice objective type questions
- Time limit - 30 minutes
- Only 5 Teams would be selected for STAGE ROUNDS
- In case of tie between 2 or more teams, further 5 questions would be asked for final selection
- The selected teams shall have to appear for the final round

FINAL QUIZ _ STAGE ROUNDS

Round 1: A question will be asked to a team and if they are unable to answer it will be passed to the next team - Rounds 4- **20 questions**

- Each team would be asked 4 questions each.
- 10 marks for correct answer and 5 negative marks for wrong answer.

- If a team cannot answer the question, they can pass the question & then the question would be forwarded to the next team.

- Answering time is only 30 seconds.

- Team discussion is allowed.

Round 2: **Rapid Fire Round**: -Each team will be asked 10 questions one after another in one minutes time- : **50 questions**

- 10 marks for the correct answer and negative 5 marks for the wrong answer

- Answering time is only 5 seconds

- Team discussion is allowed

- If a team cannot answer the question, they can say pass for the next question. The question will **not** be forwarded to the next team.

Round 3 – Buzzer Round- A question will be fired & the team who presses the buzzer first get to answer first – **6 Questions**

- 10 marks for the correct answer and negative 5 marks for the wrong or if team doesn't after they press Buzzers. – No forwarding

- Answering time is only 30 seconds

Round 4- Audio-visual round
Teams will be shown clips and will have to answer.   Rounds 2 : **12 questions**

- 10 marks for the correct answer and negative 5 marks for the wrong answer

- Each Team would be asked 2 audio-visual questions. (1 slide in each round)

- Answering time is only 30 seconds.

- No passing to the next team. Audience can answer.

 ** SURPRISE ROUND IN CASE OF TIE IN THE FINAL ROUND

Paper Presentation

Topics:-

        1. Latest Automobile Trends

        2. Automobile Manufacturing Process

Rules:-

1. Maximum number of participants in a Team is 2.

2. The topics that the papers need to be based on are suggestive. It is advisable that the presentation focuses on one particular topic. The participants who are desirous of choosing a different theme than those mentioned above are welcome, provided, it falls under the ambit of the domain. Report should be well comprehended, albeit advanced which could appeal to an undergraduate. Kindly contact the coordinator for clarifications.

3. Abstract should not exceed 1 page and Paper should not exceed 15 pages.

4. The subject of the mail with the attached abstract and later, the final paper should be the domain and sub-category under which the paper is categorized.

5. Bring your college I-Card & receipt on event day.

6. Please bring your PowerPoint presentation on a CD and on a pen-drive.

7. Soft-copies of the submitted paper and PowerPoint presentations must be in the .docx format.

8. Please Mail your abstract, paper and ppt to poladwarnitesh@gmail.com. Difficulties will be addressed through the same email-id.

9. Please bring 2 hardcopies of the submitted paper on the day of the event.

10. The teams will get 10 minutes for presentation followed by question and answer session.

11. Persons from different institutions can be a part of the same team. However, one person may not be a part of multiple teams for the same event.

12. The mail with submissions should contain:
Title- theme of the paper
Name of both the authors
Phone no of both the authors
E- mail ID

13. Paper should be in a one column format & should not exceed 15 pages.

14. Paper should be in Times New Roman font of size 12.

15. for headings use bold and a font of size 16.

16. Paper must contain index, list of figures, list of tables, abstract, introduction, point wise description of subject and conclusion and references.

17. Paper must be preceded by a cover page specifying the title of the paper, names of authors and their college names as also their contact numbers and email ids.

18. Last day to submit soft copy of your report (via e-mail) will be two days prior to the day of presentation.

19. After you have submitted the soft copy, a panel of judges will go through your material and if you are shortlisted to give the presentation, you will be notified.
20. The abstract mail should contain abstract, references, your e-mail id and mobile number.
21. The decision of judges will be final and no arguments or appeal will be entertained.

Dept. of Mechanical Engineering

Rules & Regulations For CAD WAR

1) There will be no grouping rather than individual.
2) Maximum content of the drawing has to be achieved in the given time period.
3) Student who will not able to complete even the 25% of the drawing will be considered as disqualified.
4) Time will be given as per the drawing. Decided at the time of the competition.
5) Use of internet or any electrical gadget is restricted. *
6) Participants must carry their valid college ID cards. *
7) Decision of the respective judges will be considered as final and binding.
8) Accuracy i.e. the look of the drawing will also matter, not only the % of the drawing completed.
9) The Coordinator of event reserves the right to modify the contest rules without any prior intimation.
10) Those who are clear 'first round' will qualified for 'second round'.
11) Certificates will be given to each participant.

Technical Paper Presentation Rules

1. Maximum number of participants in a Team is 2.
2. Abstract should be not exceed 1 page and Paper should not exceed 10 pages.
3. The subject of the mail with the attached abstract and later, the final paper should be the domain and sub-category under which the paper is categorized.
4. Bring your college I-Card & receipt on event day.
5. Please bring your PowerPoint presentation on a pen-drive.
6. Soft-copies of the submitted paper and PowerPoint presentation must be in the .docx format.
7. The teams will get 10 minutes for presentation followed by question and answer session.
8. Persons from different institutions can be a part of the same team. However, one person may not be a part of multiple teams for the same event.
9. Paper should be in a one column format & should not exceed 10 pages.
10. Paper should be in Times New Roman font of size 16.
11. For headings use bold and a font of size 16.
12. Paper must be preceded by a cover page specifying the title of the paper, names of authors and their college names as also their contact numbers and email ids.
13. After you have submitted the soft copy, a panel of judges will go through your material and if you are shortlisted to give the presentation, you will be notified.
14. The decision of judges will be final and no arguments or appeal will be entertained.

Quiz Competition :

Rules

8. Total 3 rounds will be there.
9. First and second round will be based on tick marketing objective questions.
10. Final round will be online.
11. 2 members per team will be allowed.
12. Carry id card with you
13. Experience jury members will evaluate the papers.
14. Final decision will be with organizing committee in case of any dispute.

Dept. of Electronics & Telecommunication

Paper Presentation

Topic:

1. Solar Tree
2. Innovative technologies for disabled person

Rules:-

18. Maximum number of participant in a team is 2.
19. Abstract should not exceed 1 page and paper should not exceed 10 pages.
20. Bring your college I-Card & Receipt on event day.
21. Please bring your PowerPoint presentation on a CD and on a Pen-drive
22. Soft copies of the submitted paper and powerpoint presentations must be in the .docx format.
23. Difficulties will be addressed through the same email-id.
24. Please bring 2 hardcopies of the submitted paper on the day of the event.
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33. After you have submitted the soft copy, a panel of judges will go through your material and if you are shortlisted to give the presentation, you will notified.
34. The abstract mail should contains abstract ,references, your email od and mobile number.
35. The decision of judges will be final and no arguments or appeal will be entertained.

Circuit Debugging

Rules :

1. There will be 2 rounds
2. First round will be circuit identification and component identification on paper.
3. Second round will be practical performance on **bread board**
4. There can be maximum 2 members in each group.

Quiz Competition :

Rules

15. Total 3 rounds will be there.
16. First and second round will be based on tick marketing objective questions.
17. Final round will be online.
18. 2 members per team will be allowed.
19. Carry id card with you
20. Experience jury members will evaluate the papers.
21. Final decision will be with organizing committee in case of any dispute.