

# CONTRAPTION

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## EVENT FORMAT

- Contraptions will have only one round.
- Participants are required to submit detailed abstract on the day of event
- The teams should build a model which should satisfy the given problem statement.
- Based on the working of model, scores will be given and winners will be selected.

## ABSTRACT DETAILS

- Team name:
- Team leader's name with phone no:
- College name:
- Total number of energy conversions
- Explanation of each and every step(must be clear and simple)
- All participants with contact no:
- Email id for further contact.

## RULES AND REGULATIONS

- The arrangement should fit into an area(6feet\*6feet)
- The number of members in a team is restricted to five(5)
- Only two trials are allowed
- An initial setup time of 150minutes will be given to each team for first trial
- Setup time of 20 minutes will be provided before the second trial
- Time of 15 minutes will be given to each team for displaying contraption to judges.
- Contraption must be safe and use of explosives is not allowed
- The energy conversions that are involved in the system should be listed and explained in brief manner while running the contraption
- Maximum 3 hand interventions are allowed, for further hand touches points will be deducted respectively
- If the size of arrangement crosses(6feet\*6feet) then the team will be disqualified
- The organizers reserve the rights to change any or all of the above rules as they deem fit.
- Organizers decisions are absolute and the participants are expected to abide to it.

## JUDGING CRITERIA

Points will be awarded as per the type and the number of conversions in the setup.

- ✓ Some bonus points are kept for **innovation** and shall be decided by Judges and Organizers
- ✓ Parallel setups will be awarded more marks. Parallel setup is an action that initiates two or more steps.
- ✓ A **Surprise task** will be announced on the day prior to event and completion of which will be awarded extra points
- ✓ The energy conversion after completing the task are not considered

### *Problem Statement*

The theme of the contraption is **GREEN MANUFACTURING AND 5S METHODOLOGY**. The contraption should have conversions to emphasize these concepts. It can be placed anywhere in the setup.

## **FAQ**

### *1. Will electricity supply be provided?*

Yes, but only for charging batteries. Participants have to bring their own batteries and their chargers if electrical energy is involved in the contraption system.

### *2. What happens when there is a tie between the teams?*

If there is a tie, preference will be given based on the criteria of innovation and time taken for completing the task.

### *3. What is the reporting time?*

8.30 am on day of the event.

## **CONTACT**

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*Feel free to contact even it seems silly question*