



# TECHFEST 2022



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## Rules & Regulations

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**DEPARTMENT: MECHANICAL ENGINEERING**

**NAME OF EVENT: JUNK YARD WARS**

**TYPE OF EVENT: GROUP**

**NO. OF MAX. PARTICIPANTS: 80 TEAMS (MAX 3 PARTICIPANTS PER TEAM)**

**(On first come first serve basis)**

**VENUE : WORKSHOP**

**EVENT REPORTING TIME: 12<sup>TH</sup> Oct. 2022, 9:00 AM**

**EVENT SCHEDULE: 12<sup>TH</sup> Oct. 2022, 9:30 AM ONWARDS**

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### EVENT DESCRIPTION:

“One man’s Junk is other man’s Treasure”. Junk Yard war is an event which makes a blend of your creativity, engineering concepts and skills to create working models using Junk. Inspired by real life incidents, Junk Yard wars will test your ability to make use of every resource available in an optimized manner under the given time constraint.

So, gear up with your design skills, jugaad and get ready for this ultimate challenge.

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### TEAM SPECIFICATION:

This is a group event. Each Team can accommodate maximum 3 participants.

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### REQUIREMENTS:

All the required material for the event will be provided by the host institute on the spot before commencement of event. Any other outside material will not be allowed.



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## GENERAL RULES:

All the necessary material to complete the task for each round will be provided by the host institute. Participants are not allowed to use any material/mechanism available with them.

Digital devices are strictly prohibited during competition. (Mobile, smart watch, laptop, tab, etc)

Any participant/group of participants who is not ready / available at the event commencement time leads to disqualification from the event.

Any kind of interference between participants or with judges (this also includes obstruction of sight line and destruction of equipment) leads to disqualification.

All the information pertaining related to the task of the event and task rules for both round will be provided at the beginning of the each round of event.

In case of any discrepancy, decisions of the Jury/ Committee members shall be treated as final and binding to all.

Host institute reserves rights related to modification and updating the rules for successful completion of the event.

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## LEVEL DESCRIPTION:

### **Elimination Round or Round-1:- (Day-2, 12/10/2022, 2 Hours, 80 Teams)**

Group of students has to built wheeled vehicle/ speedy car from provided junk yard material within a given time duration. Elimination of the group will be based on the maximum distance covered by built car.



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## Final Round or Round-2: (Day-2, 12/10/2022, 3 hours, 15 Teams)

Final task involves manufacturing of an 'Air Trajectory Device' from provided junk yard material within given time. Evaluation of the group will be based on the maximum distance covered at the time of first contact of trajectory object with the ground.

### JUDGING CRITERIA:

- Task completion in given time, attainment of target set, and aesthetic of created model.
- Decisions made by the event head or jury will be final and acceptable in any cases.

### 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

### 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.  |
|--------|-------------------------|------------------|------------|--|
| 01     | Prof. Pravin B Mandanka | Faculty          | 8980810055 | <a href="mailto:pbmandanka@gecrajkot.ac.in">pbmandanka@gecrajkot.ac.in</a> |
| 02     | Prof. Y A Joshi         | Faculty          | 9904224605 | <a href="mailto:yajoshi@gecrajkot.ac.in">yajoshi@gecrajkot.ac.in</a>       |