



CAD CRACKER

INTRODUCTION

The most intriguing topic to learn as a mechanical engineer is how to design models (Cars, planes, or Robots). So, here we present the CAD CRACKER to all CAD enthusiasts. Models should be designed, assembled, and analyzed.

PRIZE MONEY

1st Prize: Rs. 3500

2nd Prize: Rs. 2500

3rd Prize: Rs. 1500

PROBLEM STATEMENTS

Participants have to design 3D parts from the 2D sketch of a military vehicle given and assemble them to complete a military vehicle.

ROUND 1:

- Design the Parts of the given Defense Vehicle. 2D views of those parts will be provided.
- The models to be designed would be presented to every participant. They must complete their design in the fixed time allotted for each design that has to be submitted in .SLDPRT format.

ROUND 2:

- Participants have to make that defense vehicle by assembling those parts (made in round 1) with provided body parts, within the given time constraint.
- It has to be submitted in .SLDSAM and .STEP.

Event Platform:- Online



GENERAL RULES:

- For designing the models, SOLIDWORKS software is mandatory.
- The design must be completed within the given time restriction.
- Submissions should be provided in the appropriate format given by the judges.
- The participants would be required to submit the CAD model in the link provided by the judges at the beginning of the competition.
- Bring your college/student I-Card at the time of the competition.
- Decision Taken by Judges will be final and binding for all.
- Any misbehavior will lead you to disqualification from the competition.
- If less than 10 teams will be registered, then only the first prize will be given, and if less than 20 teams will register, only two prizes will be given.

TEAM SPECIFICATIONS:

- A team with maximum of 2 participants is permitted in this event.
- Team members may be from the same college/school or different (K12/UG/PG).
- Any number of teams can participate from one college/school.
- Professionals are not allowed. Only students can participate.
- Participants are required to bring their school/college ID cards.
- Once registered, the same team cannot register with another name or for another rocket other than the previously registered one.
- Team name should not be offensive, conflicting, or inappropriate.
- Organizers have the right to reject entries for any inappropriate team name.
- Organizers must be notified if a team's name has been changed.
- Each team must specify their Team Leader at registration on the website. All critical communications between the organizer and the registered team will be done through their Team Leader. The Team Leader must submit valid contact details (mobile number, email id, etc.) at the time of registration.
- If teams don't show up in the allotted slot, they will be disqualified.

JUDGING CRITERION:

- In the first round, the given parts for designing purposes have a different weightage of points so the participant with more points will be ranked higher.
- Time will also be a judging criterion.
- Among them, 1/3rd of the participants will be sent to 2nd round.
- In the second round participant who has completed the assembly of the defense vehicle with a minimum amount of time taken will be ranked higher.

REGISTRATION DETAILS

Fees: Rs. 30

Register on our official website!

