

## 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: 3500

2nd Prize: 2500

3rd Prize: 1500

### Problem Statement:

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

### CONTACT DETAILS:

Pratham Parmar - 7874992002

Devanshu Vyas - 9157120402

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**General Rules:**

- For designing the models, SOLIDWORKS software is mandatory.
- The design must be completed in 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 in the beginning of the competition.
- Bring your college/student I-Card at the time of 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 5 teams will be registered, then only the first prize will be given, and if less than 10 teams will register, only two prizes will be given.

**Team Specifications:**

- Team with maximum 2 participants is permitted in this event.
- Any number of individuals may participate from one college.
- 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 model other than previously registered one.
- Every team must have a unique name that should not be offensive conflicting or inappropriate.
- Organizers have the right to reject entries for any inappropriate team name.

**Judging Criterion:**

- In first round the given parts for designing purpose have different weightage of points so the participant with more points will be Ranked higher. Participants have to complete it within given amount of time. Point will be deducted for late submission.
- Among them 1/3rd of participants will be sent to 2nd round.
- In second round participant who has completed the assembly of defense vehicle with given restrictions and in minimum amount of time taken will be Ranked higher.

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## Registration Details

The registration window will open soon!

Fees: Rs. 30

Register: <https://mindbendsvnit.in/>

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