

Phaltan Education Society's College of Engineering Academic year 2023-24

State Level Technical Event

Kurukshetra 2023-24

CAD WAR (3D Modelling)

Software- Catia V5

No. of Participant- 1 only

Tentative Entry fee- Rs 50/-

"Creativity matters more than facts. In the fast-paced world of design, it's your chance to showcase your imaginative skills. The challenge is called 'CAD WAR,' and it's testing your design brilliance. The competition has started, so bring out all your design tools and techniques. If you're passionate about CAD, gear up with your best ideas for this design battle."

Rounds

Round -1- Generating 3D model

Time – 30 minutes.

Rules –

- This is a hand on round on 3D modelling software.
- Problem statement consisting of generating an isometric view from 3 or less orthographic view will be given.
- Result based on accuracy & speed.
- Some Questions will be asked based on modelling.

Round-2- Design a given 2D model in to 3D model by Using CATIA V5.

The final result will be judged on the basis of completeness and optimum Time.

Rules - New Problem statement will be given & winner will be decided based on the same rule as earlier.

Note –

- Student must carry a valid college ID card.
- Participant should not use any electronic accessories inside a venue hall.
- Thirty minutes will be allotted for the candidate in order to complete their designs.
- The final result will be judged on the basis of completeness and optimum time

Contact Information

Co-Ordinator: -Asst. Prof. A.S. Kate : 9923949803

Student Co-Ordinator: -

- **Yash Mohan Shelar : 9309842052**
- **Mr. Akash Sadhu Maharnavar -9579000198**

Ideathon (Technical Paper Presentation)

No. of Participant- 2 max

Participation Fee: Rs. 100 /-

Rules: -

1. Maximum number of authors: 02
2. Maximum time to deliver seminar is of 10 minutes followed by question-and-answer session.
3. Decision taken by judges in all the matters will be final and binding.
4. Participants should bring the hard copy of Paper (2 nos.) while coming for the competition.
5. Bring your college I-Card & receipt on event day.
6. Carry your PowerPoint presentation in a pen-drive.
7. Soft-copies of the paper must be in the .docx format.
8. Refer a single column paper format Template <http://www.ijsrp.org/ijsrp-paper-format.php>
9. Content of Format:
 - Title of Paper.
 - Name/s of Author/s.
 - Name of Institutes.
 - Abstract
 - Content
 - Conclusion
 - References

Topics: -

1. Mechanical Engineering- Ideas, Innovations and Initiatives
2. Renewable Energy & Carbon credit
3. Bio – mechanical technology
4. Space and aviation technology
5. Automobile technology
6. Marine technology
7. Robotics & Automation
8. Production Technology

Contact Information

Co-Ordinator: -

Asst. Prof. R. S. Kolape: 9960324524

Student Co-Ordinator: -

Pranali Nimbalkar: 9309359401

Pratik Chavan: 9175573309

Lathe War

Entry Fee:- Rs 100 /-

Eligibility Criteria

The contest is open for B.E/B.Tech and Polytechnic level students.

Introduction

- Unleash your machining skills, and let in to the groove of screeching rhythms of turning, facing, tapering, and all you can do on a lathe machine.
- Participants are required to perform a set of operations on the job using a lathe machine, with the problem statement declared on the spot.
- There will be a total of two rounds on which performance will be evaluated, and winners will be awarded.

Rules & Regulations

- Maximum one participant in a team.
- All the participants should carry workshop aprons and wear shoes.
- Not more than 1 tool would be provided. Fine will be imposed if any damage to Tool, Lathe Machine, or surroundings occurs during Operation.
- Any kind of malpractices like use of cell phone during the competition is completely banned. If anyone found so, will be disqualified.
- No extra work piece will be provided and carrying of any extra material is banned.
- After the completion of the task, all the accessories must be returned.
- Judges' decision will be the final decision.
- At any time, KURUKSHETRA2024 committee has the right to change the rounds.
- All the rights are reserved with KURUKSHETRA 2024 event committee.

Rounds with Names

There will be one round:

Round 1 will be of profile cutting, which is to be completed in 30-35 mins.

Evaluation

The evaluation is based on the points system & it will be of objective type. The judging will be done by the experts & it will be evaluated on the criterion of job completion, accuracy, finish, time taken. The final result will be based on job evaluation.

Contact Information

Coordinator:-

Student:-1)Mr.Rohit Kubal 9075363202

2)Mr.Shubham Kumbhar 8830721256

Staff:- Prof.M.M.Ghadage 8208788563

Robo Race

Part Maximum 02 Candidate in one Group

Entry Fee:- Rs 100 /-

Our event committee has made track for robot race. This track consist of various elevations, obstacles throw which participants has to run his robot with minimum handlings and minimum time with minimum skipping of obstacle. The participant who will travel his robot from that track with above rules will be the winner.

ROBOT SPECIFICATIONS:

1. The robot should fit inside a box of 40cm*40cm*40cm.
2. Robot should not exceed 4 kg.
3. The robot can be wired.
4. The robot should be powered with supply not exceeding 12V (on board power supply)

Rules:-

- 1) Maximum 02 Candidate in one Group
- 2) The Battery used Cannot Exceed 12 V and external power supply not allowed
- 3) Entry Fees Rs. 100 per Group
- 4) Competition will be played on Knockout basis
- 5) Decision of Judges shall be treated as final and binding on all
- 6) Second Chance will be given as per the Participants Quantity
- 7) Points Based on Handling, Skipping and Timing (Instruction of This point is given at the time of Events)
- 8) Above Rules will be Changes as per the Final Track.

Contact Information

Coordinator:-

Student:-1)Mr. Pavan Ankush Jadhav - 9373745949

2)Mr.Rohit Rajendra Bhandavalkar -7709891271

Staff:- Prof.V.V. Gundage -9130082502