

# Late G. N. Sapkal College of Engineering, Nasik

## Technofest-2017

### Department of Mechanical Engineering

### Guidelines for the Events

## 1) Project Competition

#### TOPICS:

- |                  |                                      |
|------------------|--------------------------------------|
| 1. DESIGN        | 5. ROBOTICS                          |
| 2. MANUFACTURING | 6. SUSTAINABLE ENERGY                |
| 3. THERMAL       | 7. INDUSTRIAL ENGG.                  |
| 4. AUTOMOTIVE    | 8. AREAS RELATED TO MECHANICAL ENGG. |

#### GUIDELINES:

1. **Maximum four participants** in the group will be allowed.
2. Competition is allowed for degree and diploma students.
3. Model is compulsory for all project group participants.
4. Project summary (not more than 01 page A4 Size) in Microsoft Word containing Students name, contact number, mail id and project title.
5. **Participants must communicate the requirements for their project demonstration well in advance** such as single or 3-phase power supply, water, Compressor unit etc.
6. Students must e-mail the stated information to [parag.jadhav@sapkalknowledgehub.org](mailto:parag.jadhav@sapkalknowledgehub.org) on or before 24<sup>th</sup> Feb 2017 with their entry confirmation.
7. Maximum time for demonstration will be 10 minutes and 4 minutes for question-answer (Q&A) round.
8. This competition will held in two rounds for one day.
9. First round will be common to all participants.
10. For second round top projects will be selected. Second round would be held on same day.
11. From the second round **winner and first runner up will be selected for degree and diploma separately.**
12. Participant must enroll their project group name in branch wise.

**\*Certificate of participation will be given for the all participant's.**

#### JUDGING CRITERIA:

Based on the Achievement of objective, Effectiveness and Innovation with Communication skills and answers given by candidate in the Q&A round.

#### ENTRY FEE –

**RS 100 PER PARTICIPANT FOR UG & DIPLOMA**

#### PRIZE FOR EACH GROUP UG AND DIPLOMA SEPARATELY

- 1<sup>st</sup> Prize – Rs. 2000/- & Certificate + Memento  
2<sup>nd</sup> Prize – Rs. 1000/- & Certificate

Participation Certificate will be given to all the participants.

## **CONTACT PERSONS**

### **Event Coordinators**

Prof. P. D. Jadhav  
Mb. 9765489211

Mr. R. S. Thakare  
Mb. 7588558889

**Email:** [parag.jadhav@sapkalknowledgehub.org](mailto:parag.jadhav@sapkalknowledgehub.org), [rahul.thakare@sapkalknowledgehub.org](mailto:rahul.thakare@sapkalknowledgehub.org)

### **Student Coordinators**

**Yogesh Bhavsar**

Tushar Wadile

Karan Savalkar

Mihir Kulkarni

Rushikesh Sonawane

### **Contact No**

**7875478817**

7741880977

9921624472

9822107912

7387007157

## **VENUE:**

Mechanical Engineering Department, Late G. N. Sapkal COE, Anjeneri, Nashik

Date: February 25<sup>th</sup>, 2017 (Saturday) Time: 10.00 am

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## 2) CAD WAR

### Objective:

It's the world of designer to create 2D & 3D marvels. The time is marking off quickly. Gear up with all your designing skills and fundamentals, in this race of survival. It is precisely an aesthetic way to bridge the gap between technological expectations and engineering brilliance.

So if you have a golden touch that can bring a life 2D & 3D sketch, here is opportunity for you. Let the ambience glow with your designing brilliance.

Who will get the crown as CAD WARRIOR? The battle has begun and lethal weapons are strained out. Challenge your brain by using designing potential.

### Testing Methodology and Judging Criteria:

#### Flow of competition:

- SOFTWARES USED:
  1. Pro-Engineer Creo (Degree)
  2. Autocad (Diploma)

There will be 2 rounds as follows:

- Round-I:  
Pro-E: (Surface modelling or part modelling)  
Autocad (Drawing views from objects)  
In this round, the participants have to create 3D SOLID CAD MODEL with the help of given 2D sketches.
- Round-II:  
Pro-E: (Assembly)  
Autocad (Drawing views from objects)  
In this round, the participants have to design 3D parts and assemble them.  
--- They have to create the assembly or drawing in minimum time.

#### Judging Criteria:

- Completion of model with perfection.
- Time taken for completion of each round.
- File size and method of use of command.
- Features used/ parametric representation.
- Presentation of model.

### General Rules:

1. Individual participant.
2. Time for drawing of model will be decided and declared on support as per difficulty.
3. Judge decision will be final decision and binding to all.

4. The coordinator of event reserves the right to modify the contest rules without any prior notice.
5. Certificate will be given to each participants.
6. Winner and first runner up will be selected for degree and diploma separately.
7. Top 2 teams will be awarded with handsome prize apart from certification.
8. Use of Internet or any electronic gadget is restricted.
9. The decision of the committee will be final this will be judged on the basis of Completeness and optimum time.

**Eligibility Criteria:**

- 1) Diploma and Degree appeared students of Engineering with any year.

**ENTRY FEE - RS 100 PER PARTICIPANT FOR UG & DIPLOMA**

**PRIZE FOR EACH GROUP UG AND DIPLOMA SEPARATELY**

1<sup>st</sup> Prize – Rs. 2000/- & Certificate + Memento

2<sup>nd</sup> Prize – Rs. 1000/- & Certificate

Participation Certificate will be given to all the participants.

**CONTACT PERSONS**

**Event Coordinators**

**Prof. Rameshwar B. Hagote**

Mb. 9730342211

**Prof. Roshan G. Deore**

Mb. 9623514021

**Student Coordinators**

**Yogesh Bhavsar**

Tushar Wadile

Karan Savalkar

Mihir Kulkarni

Rushikesh Sonawane

**Contact No**

**7875478817**

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7387007157

**VENUE:**

CAD-CAM Lab, Mechanical Engg. Dept. Late G. N. Sapkal COE, Anjeneri, Nashik

Date: February 25<sup>th</sup>, 2017 (Saturday) Time: 10.00 am

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### 3) Turn Round

#### PROBLEM TYPE:

Turning operations involving facing, step turning, taper turning, threading (internal & external), chamfering and drilling will have to be carried out on job.

#### GUIDELINES:

1. Turn round competition is of two rounds.
2. Qualified participants in the first round will enter into second round.
3. Time for first and Second round will be of 01.30 hrs each.
4. Candidature of a participant can be cancelled if he/she is unable to handle Lathe machine during competition.
5. Final Assembly will be subjected to inspection and given weightage accordingly.
6. Round/s will be arranged batch wise and batch size will be of 12 participants.
7. Student should bring his I card, shoes and apron for competition (all compulsory).

#### JUDGING CRITERIA:

The finished job will be inspected with suitable workshop standards and will be given weightage accordingly.

**Entry Fee- Rs 100/- per Participant**

#### PRIZE:

**1<sup>st</sup> Prize - Rs. 2000/- & Certificate + Memento**

**2<sup>nd</sup> Prize - Rs. 1000/- & Certificate**

Participation Certificate will be provided to all.

#### CONTACT PERSONS

##### Event Coordinators

1) Prof. D. R. Mahajan

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**+91- 9922772647**

2) Prof. P.G. Chavan

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**+91-9922903713**

##### Student Coordinators

**Yogesh Bhavsar**

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**7875478817**

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*Note: - For any query please contact above mentioned coordinators.*

#### VENUE:

Mechanical Engineering Workshop, Late G. N. Sapkal COE, Anjaneri, Nashik

Date: February 25<sup>th</sup>, 2017 (Saturday) Time: 10.00 am

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