



**All India Shree Shivaji Memorial Society's College of  
Engineering Pune-01  
Department of Electronics Engineering  
Silicon Fusion-2017**

<b>CODE</b>	<b>EVENT</b>
<b>EX-1</b>	<b>Robomania</b>
<b>EX-2</b>	<b>Digimania(Elex., E&amp;Tc, Comp, It, Electrical)</b>
<b>EX-3</b>	<b>Drone Competition</b>
<b>EX-4</b>	<b>Poster Presentation</b>
<b>EX-5</b>	<b>Paper Presentation</b>
<b>EX-6</b>	<b>Circuit Wizard</b>
<b>EX-7</b>	<b>Mock Placement</b>

## **ROBO COMPETITION (EX-1)**

A Competition of  
Pick and Place manual Robot

**Venue: AISSMS COE CAMPUS**

**Entry Fee: Rs. 250/- ( 50/- Per Head)**

**Maximum Participants per Team: 5**

**First prize : Rs. 8000/-**

**Second prize : Rs. 5000/-**

**Third Prize : Rs. 3000/-**

**Forth Prize : Rs. 2000/-**

**Date of Event: 13/09/2017 and 14/09/2017**

**Name of the Student Event coordinator**

- |                          |                        |
|--------------------------|------------------------|
| <b>1) Sameer Ali</b>     | <b>M :- 9527652246</b> |
| <b>2) Shubham Ghodke</b> | <b>M :- 7038585746</b> |
| <b>3) Tejas Deshmukh</b> | <b>M :- 8793766065</b> |

### **RULES AND REGULATIONS**

1. Maximum number of member per team allowed are 5(five).
2. Power requirement up to 24V 2A (DC).
3. Dimensions of robot Min 18 x 25 cm Max 25 x 35 cm(Including wheels)
4. Maximum weight allowed for bot is 2 kg.
5. Wired or Wireless allowed
6. Arm reach range Max 35 cm.
7. Maximum failed pick-up attempts for object : 2 per round
8. Points depends on Time of task and Accuracy of Object pickup.
9. For each touch penalty of 10 sec will be added.
10. Every task will have specific time limit.
11. Decision of judge is final.

**DIGIMANIA (EX-2)**  
**Electronics, E&TC, Comp, IT and Electrical**

**Venue: AISSMS COE CAMPUS**

**Max Participants per team: 1**

**Entry Fee: Rs. 50/-(Per Head)**

<b>Prizes</b>	<b>Electronics and E&amp;TC</b>	<b>Comp and IT</b>	<b>Electrical</b>
1 <sup>st</sup>	10,000/-	8,000/-	3,000/-
2 <sup>nd</sup>	7,000/-	5,000/-	2,000/-
3 <sup>rd</sup>	5,000/-	3,000/-	1,000/-
4 <sup>th</sup>	3,000/-	2,000/-	

**Date of Event: 13/09/2017 and 14/09/2017**

**Name of the Student Event coordinator**

1) Yash Narale                      M :-8390809993

2) Vipul Kabra                      M :-9028391839

**Syllabus:** Totally based on first 4 units Syllabus of Digital Electronics.

**General:** DIGIMANIA (Code EX: 2 Events are totally based on Syllabus of Digital Electronics first 4 Units of Electronics, E&TC, Comp, IT, Electrical and as per Savitribai Phule Pune University Online Exam pattern. So your Students will benefit with online MCQ quiz (DIGIMANIA) which is strictly as per Savitribai Phule Pune University Online Exam pattern. So send all students from your Department for this Event.

**RULES AND REGULATIONS**

1. All Questions will be of MCQ type.
2. The Questions shall be in the form of “Multiple Choice”, “True/false Statements” or “Fill in the blanks” etc.
3. The decision of Judges will be final and will not be subjected to any change.
4. The Participants shall not be allowed to use mobile phones or other electronic instrument, non-programmable calculator is allowed.
5. Total 3 Rounds will be there, 1) Elimination 2) Semifinal 3) Final
6. Round 1 and Round 2 will be on the same day.

7. Final Round will be there on 14/09/2017.(11:00 am)
8. No Negative marking.
9. Every Participant will get National Level Participants Certificate.

### **ELIMINATION ROUND 1**

1. Each candidate would be given a set of question paper online containing 25 MCQ type questions.
2. Time limit 30 Minutes.
3. The questions will be relatively simple.
4. 1 Mark will be awarded for each correct answer.
5. No negative marking.
6. Top 50% and above in the Elimination round will be selected for Semifinals.

### **SEMIFINAL ROUND: (Round: 2)**

1. Questions posed in this round will be tougher and more demanding.
2. Each candidate would be given a set of question paper online containing 25 MCQ type questions.
3. Time limit 30 Minute.
4. 2 Mark will be awarded for each correct answer.
5. No negative marking.
6. Top 60% and above in the Elimination round will be selected for Finals.
7. If Score is not 60% and above in Semifinals, Then Only TOP 10 of Semifinalist will be selected for Finals.
8. Final Round will be there on 14 September 2017.

### **FINAL ROUND: (Round: 3)**

1. Final Round will be there on 14 September 2016.Reporting time will be 10:30am, after 10:30am no student will be allowed for final round.
2. Questions posed in this round will be tougher and more demanding.
3. Each candidate would be given a set of question paper online containing 50 MCQ type questions.
4. Time limit 60 Minutes
5. 2 Mark will be awarded for each correct answer.
6. No negative marking
7. First four prizes will be selected from Final Round.
8. The decision of Judges will be final and binding on all participants.

For More details visit: [www.aissmscoe.com](http://www.aissmscoe.com)

## **DRONE COMPETITION (EX-3)**

**Venue: AISSMS COE CAMPUS**

**Max Participants per team : 6**

**Entry Fee: Rs. 300/- ( 50/- Per Head)**

**First Prize : Rs. 11,000/-**

**Second Prize : Rs. 8,000/-**

**Third Prize : Rs. 5,000/-**

**Fourth Prize : Rs. 3,000/-**

**Date of Event: 13/09/17 and 14/09/17**

**Name of the Student Event coordinator**

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|---------------------|----------------|
| 1) Akash Malas      | M:- 9423666238 |
| 2) Raviteja Biradar | M:- 9028279206 |
| 3) Hrishikesh Malge | M:- 9175338049 |

### **RULES AND REGULATIONS**

1. Maximum number of students per group : 6
2. Maximum hand touch allowed : 2
3. Penalty will be applied if drone enters no-fly zone
4. Flight time for a run is defined as the time taken by the drone to follow the mentioned path (from take-off to landing).
5. The drone has to be kept on the start zone in the start itself.
6. Dimensions : 20x20 cm (minimum)  
55x55 cm (maximum)
7. If a specific task is skipped then accordingly points will be reduced.
8. According to dimension track will be allotted. One track for dimensions below 38 x 38 cm and one for above.
9. Automated and High-end drones are not allowed.
10. Decisions of judges will be final.

**(NOTE: More rules will be explicitly added by organizers accordingly.)**

### **POSTER PRESENTATION (EX-4)**

**Venue: AISSMS COE CAMPUS**

**Entry Fee: Rs. 50/-(Per Head)**

**Maximum Participants per Team: 2**

**First prize : Rs. 5000/-**

**Second prize :Rs. 3000/-**

**Date of Event: 13/09/2017**

**Name of the Student Event coordinator**

**1) Apurva Jugal M:-9421833985**

**2) Ritwika Haldar M:-8390184586**

### **CONCEPT:**

Designing posters is not an easy job. It requires precise skill and mighty patience to work out the intricate details. To convey your notion about a specific idea, through posters, is both exciting and daunting! Are you game Monsieur ET Mademoiselles?

### **RULES AND REGULATIONS:**

1. Posters should be of A1 size paper.
2. Word limit of 50.
3. No restrictions on stationary, colors, paper material.
4. Use of e-waste (broken SIMs, magnetic tapes, CDs etc.) will be appreciated.
5. Students should have their own, original creation and content should NOT be copied from any sources.
6. Font size should be large enough so that it can be readable from 1 meter Distance.
7. Aspects considered in competition are technical content of presenter, presentation skills, poster format and appearance.
8. The decision of the judges regarding this competition will be final and binding on all the participants.
9. Pictures/diagram cutting can be pasted wherever required.
10. Posters not following above rules/topics will be disqualified.

### **Topics:**

1. Wearable technology innovation in healthcare
2. Renewable Energies

3. Techno-socio
4. Humanoid Robot
5. Innovation in silicon Technology
6. Smart Automation.
7. Innovative technologies for disabled person
8. Use of solar in Agriculture Field

## **TECHNICAL PAPER PRESENTATION (EX-5)**

**Venue: AISSMS COE CAMPUS**

**Entry Fee: Rs. 50/- (Per Head)**

**Maximum Participants per Team: 2**

**First prize : Rs.5,000/-**

**Second prize : Rs. 3,000/-**

**Date of Event: 13/09/2017**

**Name of the Student Event coordinator**

**1) Preetam Kolte M:-7721808764**

**2) Madhavi Ranade M:-7350548078**

### **TOPICS:**

1. Wireless networks
2. VLSI and Embedded systems (Real Time Applications)
3. Signal processing and applications
4. Smart sensors and intelligent instrumentation
5. Advanced power electronics
6. Image Processing and neural network.
7. Internet of Things
8. Micro-Electronics

### **RULES AND REGULATIONS:**

1. The participant must be studying any undergraduate or postgraduate course from any recognized University.
2. Maximum no. of participant 2
3. The paper must in IEEE format. It should not exceed 06 pages
4. The participant will have to forward abstract on or before 8<sup>th</sup> September 2016 on the e mail ID [sbdhekale@aissmscoe.com](mailto:sbdhekale@aissmscoe.com) , [ritkarkar@aissmscoe.com](mailto:ritkarkar@aissmscoe.com) . The abstract should contain about 200-300 words.
5. Participants will have to bring their college I cards and receipt on the event day.
6. Students from different institution can be a part of one team.

The mail with submissions (along with abstract) should contain:

- i. Title- theme of the paper.
- ii. Name of both the authors.
- iii. Phone no of both the authors.
- iv. Receipt Number
- v. E-mail ID of both the authors.
- vi. Name of Institution

### **PRESENTATION RULES:**

1. The presentation must be in a Microsoft PowerPoint.
2. The participants will be given 10min to present their paper followed by a 2min question answer session.

### **JUDGING CRITERIA:**

1. Presentation will be evaluated on the basis of its innovative ideas used, Presentation skills, knowledge, application.
2. Judges decision will be final and it will not be changed under any circumstances.

### **General Rules:**

1. You should maintain the college decorum.
2. Any participant disobeying the instructions will be charged with time penalty or may be disqualified.
3. Final decision will be taken by the event co-coordinator and General Secretary.
4. Any mess with volunteer/event co-coordinator will be resulted in disqualification.



5. If there is any change in above rules then that will be told to you before the start of the event.

## **CIRCUIT WIZARD (EX-6)**

**Venue: AISSMS COE CAMPUS**

**Entry Fee: Rs. 50/-(Per Head)**

**Maximum Participants per Team: 3**

**First prize : Rs.5,000/-**

**Second prize : Rs. 3,000/-**

**Date of Event: 13/09/2017 and 14/09/17**

**Name of the Student Event coordinator**

**1) Harshal Nimje M :-9552509734**

**2) Sakshi Vajirkar M :- 8379990399**

**This event consists of three rounds:**

**Round 1: Elimination Round.**

1. It will be Theoretical Question paper will be based on Electronic fundamentals & design ability.
2. Time allotted will be **30 minutes**.

**Round 2: Design & Simulation**

1. Circuit design problem will be given based on Electronic Devices, Network, and Integrated Circuits & Power..
2. Circuit should be built & debugging using Proteus 8 software.
3. Completion time can be considered in case of tie.
4. Time allotted will be **45 min**.

**Final Round3: PCB Design**

1. For given problem statement design a compact PCB using Ares Software.
2. Compact & Effective PCB design will be given more preference.
3. Time allotted will be **30 minutes**.

### **RULES AND REGULATIONS:**

1. Answer sheet will be provided for circuit design at the Venue.
2. Use of Calculators, Mobile Phones and any other Electronic/Mechanical gadgets is strictly prohibited, during Elimination Round. 3
3. Datasheets required for actual design will be provided by the organizers. Decision of judges will be final and binding to all.
4. Students from different educational institutes can form a team.
5. All rounds/levels are having specific time limit.

### **MOCK PLACEMENT (EX-7)**

**Venue: AISSMS COE CAMPUS**

**Entry Fee: Rs. 50/- Per head**

**Maximum Participants per Team: 1**

**First prize : Rs.5,000/-**

**Second prize : Rs. 3,000/-**

**Date of Event: 13/09/2017 and 14/09/17**

**Round 1and 2 will be conducted on 13/09/17**

**Round 3 will be conducted on 14/09/17**

**Name of the Student Event coordinator**

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|-----------------------------|-----------------------|
| <b>1) Neha Khan</b>         | <b>M:- 7507418435</b> |
| <b>2) Dyaneshwari Magar</b> | <b>M:- 8796542976</b> |

**This event consists of three rounds:**

**Round 1: Elimination Round.**

It will be Objective type Question paper based on Electronic fundamentals design ability and mathematics.

Time allotted will be **30 minutes**.

**Round 2: Technical Interview Round**

**Final Round3: HR Interview Round**

**RULES AND REGULATIONS:**

1. Answer sheet will be provided.
2. Use of Calculators, Mobile Phones and any other Electronic/Mechanical gadgets is strictly prohibited, during Elimination Round.
3. Decision of judges will be final and binding to all.
4. Students from different educational institutes can participate individual.