

**DHANEKULA INSTITUTE OF ENGINEERING & TECHNOLOGY**  
**Ganguru, Vijayawada**  
**Department of Electronics & Communication Engineering**

**DHANUSH-2K19 ORGANIZING COMMITTEE**

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**ECE Department Events:**

<b>Day1(20<sup>th</sup> December 2019)</b>	<b>DAY2(21<sup>st</sup> December 2019)</b>
Paper Presentation	Technical Quiz
Tech Trix (Tech Exhibition)	Circuit <i><b>Maker</b></i>
Theme Ballet (Poster)	<i>E – Quest</i>
Tech Pic	Racing Feaver

**Event Mail Id:**

S.No	Branch	Mail Id
1	ECE	<a href="mailto:ecedhanush@diet.ac.in">ecedhanush@diet.ac.in</a>

**DAY-1 EVENT (20<sup>th</sup> December 2019)**

**PAPER PRESENTATION**

**(Spot Registration available)**

**TOPICS**

**Paper presentation Areas but not limited to:**

Signal Processing  
Image Processing  
Artificial Hand using Embedded Systems  
Nano Technology  
Robotics  
VLSI Design  
Next Generation Wireless Communication- Free Space Optics (FSO)  
Electromagnetic Field Theory  
GPS and Network Security  
Face Recognition using Neural Networks  
Antennas/Microwave Engineering/EMI/EMC

**Event Rules:**

- Paper should be in IEEE format.
  - Two students per batch are allowed for Presentation.
  - Individual Registration is compulsory.
  - Participants have to bring both Soft and Hard copies of presentation.
  - All the figures should be well labelled and text should be understandable.
  - Presentation should be clear and concise to the topic.
  - Time for presentation is 10mins.
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**DAY-1 EVENT (20<sup>th</sup> December 2019)**

**Tech Trix (Technical Exhibition)**

**(Spot Registration available)**

**Guidelines:**

- A student can produce a completely designed & implemented Hardware/Software project with minimum of 2 members and maximum of 4 members per batch.
- One must arrange their own requirements for project & display it. (Only power supply is provided)

- If the project is software based , then members should bring their own arrangements (Such as Software, Laptop) and display it.

### **DAY-1 EVENT (20<sup>th</sup> December 2019)**

## **POSTER PRESENTATION**

**(Spot Registration available)**

### **Guidelines and Criteria for Poster:**

The overall criteria is how well the idea and accomplishments of the team are communicated. More specific things to look for are as follows:

1. Respective team should present the poster and also be able to answer in-depth questions.
2. An Ideal poster should have a balance of Text, Diagrammatic figures and Data figures
3. All the figures should be well-labelled and the text should be understandable.
4. Use Appropriate colour, Font etc.
5. Each student should prepare to describe and discuss his or her exhibit, tailored specifically to make the work understandable to a non-expert audience.
6. Description should be clear and concise, and should include the major points presented on the poster.
7. Presentation must not exceed 10 minutes ; Judges will be instructed to observe this time limit.
8. Individual Registration is compulsory.

**Winners** will be selected depending upon the presentation and performance.

### **DAY-1 EVENT (20<sup>th</sup> December 2019)**

## **TECHPIC**

**(Spot Registration available)**

There are maximum of 3 Participants for each team.

### **Round - 01:**

Each Team will get 10 Questions. Time limit is 1 minute.

Participants from the teams need to identify the name of the Electronic Components/Electronic Devices/Electronic Equipment shown in the picture.

**Ex:**

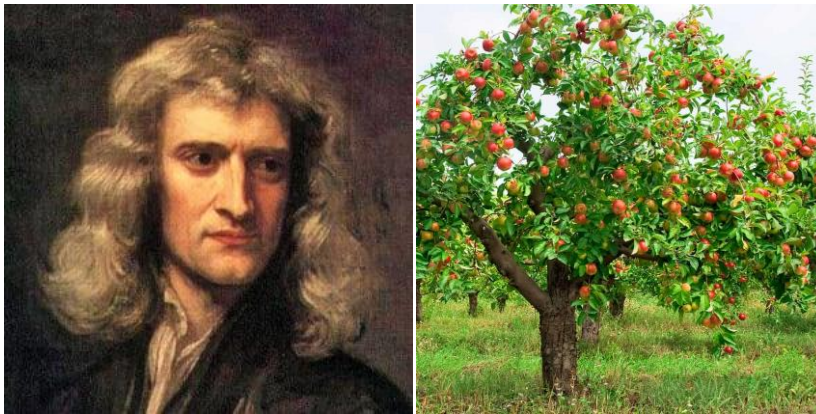


**A Typical Resistor**

**Round - 02:**

Selected Teams from Round - 01 have to frame the suitable Relation by looking at the two related Pictures shown. Time limit is 120 seconds per Question.

**Ex:**



The Discovery of Gravity by Sir Issac Newton after watching the falling of an Apple.

**Note:** If any Tie occurs then **Rapid Fire** Round will be conducted.

**DAY-2 EVENT (21<sup>th</sup> December 2019)**

**Technical Quiz**

(Spot Registration available)

**Rules and Regulations:**

1. Maximum of 3 members per Batch.(Batch members can be the combination of I,II ,III,IV Years)
2. **ROUND1: Q FIESTA** :- Technical Written Test.

**ROUND2: TECH INTELLECT** :- Each Team should pick a Topic (Related to ECE) randomly on which Questions will be asked confined to the Topic.

**ROUND3: BATTLE OF THE BRAINS** :- All the Teams are asked same Question. The First to answer will be awarded points.

The Team which attains more points among all the other will be the **Winner**.

### **DAY-2 EVENT (21<sup>th</sup> December 2019)**

## **Circuit Maker**

**(Spot Registration available)**

There should be a maximum of 3 Participants for each team.

### **ROUND 1:**

#### **ODD ONE OUT**

Teams should identify the Odd one(Component/Device/Equipment) that is different or exceptional or which does not fit among the other.

### **FIND IT**

Each Team is shown a Circuit which consists of a missing part.

Teams should find the missing part in the Circuit.

### **ROUND 2 :CRACK THE CIRCUIT**

The Winners of first round will be qualified to second round.

The Contestants have to design a circuit with a specified Output(Buzz Output,Graphical Output) in the software tool “MULTISIM 13.0” within a minimum span of time.

Those who got the exact Output in minimum time will be declared as winner.

**DAY-2 EVENT (21<sup>th</sup> December 2019)**

**E-Quest**

**(Spot Registration available)**

There should be a maximum of 3 Participants for each team.

**Guidelines:**

Each of the Teams will search for Hidden Objects followed by a Trail of Clues.

The Team which finds more number of Objects will be the Winner.

**DAY-2 EVENT (21<sup>th</sup> December 2019)**

**Racing Feaver**

**(Spot Registration available)**

There should be a maximum of 2 Participants for each team.

**Rules and Regulations:**

Contestants should bring their own Remote Controlled Vehicle or Robot or Prototype.

The Vehicle or Robot must be Wirelessly controlled.

Members should arrange their Necessary Equipment such as Batteries.

The Track is specified and provided at the time of contest.

**Guidelines:**

The Vehicle or Prototype is supposed to move on the Track following a series of Events.

The First to complete within a minimum time will be the Winner.