**EVENT 1: EDISON’S ECSTACY**

**Prize** INR 2000

The Department of Electrical Engineering brings to you the event which will set you all digging up your brains to find answers to the questions, regarding concepts in electricity and electrical engineering in general. So all of you …. Prepare to get yourselves tested in the Electric – city!!

This event will consist of two rounds:

**ROUND 1**

Participants will be tested on their fundamentals on electrical concepts.

A technical quiz of duration one hour shall be conducted.

Ten highest scoring teams will be short listed for second round.

So put on your thinking cap, don’t forget switching on your brains.

**ROUND 2**

**An event to collaborate our academic brilliance to real life practical problem; a platform to put our imagination at work; a challenge to innovate and find solutions.**

This round will consist of two stages:

* In first stage participants will be given real time images of electrical and electronic equipment - the objective is to identify them.
* In second stage teams have to complete given tasks.

eg: Designing an adapter circuit ,voltage amplification circuit…

Hence students are requested to brush up their knowledge on electrical concepts.

**Rules and Regulations**

**Teams must adhere to the spirit of healthy competition.**

* Any team which is not ready at the time specified will be disqualified automatically.
* In case of any discrepancy, the decision of the judges shall be treated as final and binding all the disciplines
* Participation is open to students of all disciplines.
* Participants are required to register in teams of maximum two members.

**EVENT 2: DYNAMO RECKONING**

**PRIZE INR 4000**

**PROBLEM STATEMENT**

**Build a generator that demonstrates the conversion of energy from mechanical to electrical. The final model must conform to constraints and criteria.**

**The generating voltage of the model should be upto 200volts.**

**Gear up your dynamo and take away the souvenir.**

# SPECIFICATIONS

**CRITERIA:**

**Your model should be:**

* Interactive
* Durable
* Easy to use
* Demonstrates the concept
* User safety

# The internal components of the device should be clearly visible.

# Measuring devices (multimeter) will be provided by us.

# CONSTRAINTS

* The model should fit in a box of 400mm x 400 mm x 500 mm at all times.
* Inexpensive materials.
* Participation by all team members.
* Minimum generator voltage should be 20 volts.

**RULES AND REGULATIONS:**

* Participants are required to register in teams of maximum three members.
* The team must adhere to the spirit of healthy competition.
* Any team which is not ready at the time specified will be disqualified automatically.
* In case of any discrepancy, the decision of the judges shall be treated as final and binding all the disciplines.
* Participation is open to students of all disciplines.

Scoring:

The winner will be judged on following grounds in decreasing order of their preference:

* Output Voltage
* Size of the model
* creativity