

# AADHRITA 2020

## MVGR COLLEGE OF ENGINEERING (A)

### WIRTICITY

Power the world wireless

#### EVENT DESCRIPTION:

Witricity transfers electrical energy or power over distance without wires. Resonant coupling occurs when the natural frequencies of the two systems i.e. a source and a receiver are approximately same.

Witricity power sources and receiver devices are specially designed magnetic resonators that effectively transfer power over large distances via magnetic near-field.

**Event Dates:** 20/2/2020 to 22/2/2020

#### NUMBER OF ROUNDS:3

##### Round-1:

- Marks will be given on the basis of no. of questions correctly answered. There is no shortlisting of candidates from round 1 to round 2. All the participants of round-1 are eligible for round-2.

##### Round-2:

- The deciding factor for round-2 is the maximum distance between the coils upto which the participants can make 3 LEDs glow.
- The aggregate of first and second rounds score is taken into consideration for qualifying into round-3.
- Size and weight will also be taken into consideration when the number of participants are more for screening purpose.
- The number of teams for third round is based on the number of participants.

##### Round-3:

- They should give a brief presentation regarding their Project.
- Based on their presentation and the efficiency winners will be decided.

#### RULES FOR THE EVENT:

##### Rules and Regulations:

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1. Each team can consist of 3 members.
2. Resonating frequency of coils must be in range of 50Hz to 20MHz
3. Any external power source is not allowed.
4. In case of any ambiguity, event manager's decision is final.
5. No ready-made kits should be used however IC modules can be used. Every team should carry their college ID card, and a BONAFIDE certificate of your college.

**REGISTRATION FEE: Rs.400/-**

### **PRIZES:**

**Win exciting prizes and E-certificates will be given for all the participants.**

### **CONTACT DETAILS:**

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