

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. In case of any ambiguity, event manager's decision is final.
4. 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:

1st Prize : Rs.4000/-
2nd Prize: Rs.2000/-

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