



**ELECTRO-IMPULSE(29<sup>th</sup> SEPT. 2018)**



## **RULE BOOK**

### **Common Rules**

- Participants have to bring their college ID.
- Participants are not allowed to carry mobile phone.
- The decision by the judges will be final for all the events.
- In case of shortage of time the registration for any event will be done on first –come-first-serve basis.
- Final decision regarding DIS-QUALIFICATION, ENROLLMENT OF TEAM and results in all the events will be subject to the concerned judges.
- Rules may change on the spot as per the circumstances.
- Registration fee is Rupees 25 per participant per event.

### **I- LOGIC**

- Individual Event.
- Quiz will be based on DIGITAL LOGIC DESIGN.
- Negative marking(+4/-1)
- Time limit will be 60 minutes.

### **INNOW@R**

- Team Event (Max. 2 members).
- Each team will have to present their innovative idea through ppt.
- Time allotted for presentation by each team will be 8 – 10 minutes and 2 minutes for queries.
- No study material will be allowed during presentation.

## EXTEMPORE

- Participants shall be given a topic **two minute** before the extempore.
- Each participant will be given **Three minutes** (grace time 15sec) to speak on the topic.
- Participants shall be awarded negative marks for exceeding the time limit.
- Participants are not allowed to refer to any material/books after receiving the topic.
- **Evaluation criteria:**
  - Total 20 point
  - Introduction (3)
  - Depth of subject Knowledge (7)
  - Presentation and Language (7)
  - Conclusion (3)
- The decision of judges will be final and binding on all Participants.

## COFFEE KLATCH

- It is a team event (Max. 2 members)
- Each team will be shown image just for 1 minute and in next 1 minute, they will have to narrate a story based on their vision. The best positive vision will be judged by the judges.

## DECODE THE HIDDEN

- Individual Event
- Technical IQ based event consisting of two rounds based on crosswords etc.
- Time limit is 60 minutes.

## SPOT THE TROUBLE (DEBUGGING)

- Team event (Max 2 members).
- There will be two rounds one is software based (MATLAB/Assembly Language (8085)) and other is hardware based.
- Time limit is 30 mins.

# ROAD FOLLOWER ROBOT

The objective of this contest is to complete the course with the highest points and in the shortest period of time while accurately tracking the course line from start to finish.

- Team event (4-6 members).
- Time limit is 3 minutes.
- Teams are not allowed to replace any component during the game play. However, they are allowed to replace defective sensors but will have to bear negative points.
- Any modification to code and change of batteries is allowed but the game play will be restarted.
- A team will get disqualified for any indisciplinary activities.
- **About Road-**
  - The road has been displayed on the notice board.
  - A road consists of two black strips of width 2cm and separated by a distance of 3.5 inch.
  - The track consist of three symmetrical parts, each part consist of a metal ball (6mm) placed at its Centre.
  - The robot must pick the ball from every symmetrical part.

## **About Points-**

- The track is divided into four parts, after completion of each part, 50 points will be awarded.
- If any team completes the track (road) without any mistakes, 50 extra points will be awarded.
- 20 additional points will be awarded for each successful attempt of picking metal ball.
- For each man handling 5 (five) points will be deducted.
- For skipping any part of the road (track), 30 points will be deducted.
- For replacement of any component (sensors, motor driver, Arduino, etc), 10 points will be deducted.

## **Poster Presentation**

- Individual event.
- Theme will be revealed one day before the event.
- Participants have to arrange colors (if any) by their own, only sheets will be provided.
- Water colors are not allowed.
- Time allotted is 90 mins.

**For any query contact: Er Ankit Khandelwal (9458702455) Er. Vivek Yadav (9458701162)**