

# ROBOTHON

Robothon is an excellent way of collaborating with students from all around campus in different majors. It enables the students to use their creativity to innovate and explore new ideas that they may have. It is a competition, but it is focused on learning rather than winning. Its purpose is to help students gain experience with the process of design and the use of equipment that they would normally miss out on in the classroom.

## ABOUT ROBOTHON:

**Robothon encourages the students to come up with innovative ideas and creative bots to resolve specific problems.** Real-time solutions is the main objective. Problems prominent in the present world. It can be related to ,say water , waste or energy. Machines that might solve such problems and bring out the much needed changes for a better environment is all what Robothon wants the participants to invent. These creative ideas put into action can be used in home or industries to make things simpler and easier.

## RULES:

- **A team can consist a maximum of 4 members.**
- **Registration fee - Rs.300 (each individual).**
- The teams will be allowed to complete their intended ideas for a duration of 10 hrs (9am - 7pm).
- Then teams will then display their working ideas to the judges.
- **All the required components and tools must be brought by the teams themselves.**
- If you think you cannot complete the product within the given time you can do 25% of your work before hand. But the judges would be with you throughout the event so they know what work you have done during the event.
- So don't try to play tricks.
- **Pre-programmed microcontrollers or microprocessors are not allowed.**
- **If the machine is wired then the wire should remain slack under all circumstances during the competition. All the wires coming out of the Machine should be stacked as single unit.**
- **The Wires should be properly insulated.**
- **It is necessary for all that teams that the bot must be electrically or electronically powered.**
- **Batteries must be sealed, immobilized electrolyte types (gel cells, lithium, NiCad, or dry cells).**
- **Machine must not be made from any readymade kit, if we find such machine, it will be disqualified.**

- Lunch and refreshments will be provided.
- Experience not needed, all makers welcome:D

Violation of any the above rules will lead to disqualification.

#### **JUDGING CRITERIA:**

- Bots immobilized during display will result in reduction of points.
- One or two operators will operate machine in the event.
- The wires should remain intact during display.
- Teams should take care of their Bot, they will be responsible for the damage to their bots.
- Ideas related to robotics is appreciated and will gain more points;)

Students must present the following in front of the judges:

1. Context
2. Need Statement
3. How solution addresses the problem

Judges decision shall be treated as final and binding on all.