

## **ROBOTICS**

### **Note**

1. Each team should have only one manual robot.
2. Each team should consist of min.3 and max.4 members.

### **ROBOT SPECIFICATION**

1. Max. Length of robot 30cm.
2. Max height of the robot 20cm (excluding ARM dimension).
3. Special focus on width of the robot maximum of 20cm including wheel.
4. Robot must be a manual control robot (wire or wireless).
5. Max. 18v and min. 12v supply.

### **ARENA**

1. Max length of arena is 3 meter.
1. Maximum separation between the track is 20cm
2. Eight ball stands placed underneath the track.
3. Total number of balls is Four.
3. Max. Distance of ball below the track is 20cm (Each ball distance can vary).
4. Two incline plane of 20 & 15 degree

### **RULES**

1. Each team needs to give a presentation based on their robot.
2. Each team will be given 100 points.
3. Maximum gaming time is 7 mins, if the time exceed after every 30s 5 points will be deducted from 100 points.
4. During the match if the tyre slips from the track or use of hand 10 points will be deducted.
5. Each ball carry equal points and the dimensions of all balls is same.