**MOBILE CONTROLLED ROBOT RULES**

**Name of Event**: DTMF(Dual Tone Multi Frequency) Controlled Robot.

**Robots per Team**: one

**Team limt:** Maximum of Four Members

**Time Alloted Per Team In Each Round**: 03 Minutes

**Robot Dimensions**: W:25cm X L:25cm X H:25cm(maximum)

**Arena specifications:**

**1.**The arena is spread on a concrete floor(10m x 10m).

**2.**The Track width varies from 30cm-60cm and is closed side by walls.

**3**.The course of the track may have (U-Turns,90-Degree turns,Acute and Obtuse Angles).

**4**.The course of the track will also have obstacles like speed brakers etc.

**Robot Specifications:**

**1.**The Robot must be controlled by only one participant of a team.

**2.** The control of the bot can be done by numeric keypad in the mobile phone.

**3.** Communication between the robot and the participant will be through DTMF. It cannot be IR beams, GSM module, Bluetooth module.

4.The connection between controlling mobile and Robot must be wireless, no wired connection is allowed.

**5.** On board power supply should not exceed 12V DC between any two points in the Robot.

**6.** No AC power will be guaranteed to the participants, even to charge the batteries. Backup

must be held by the participants themselves.

7**.**Robot can be three or four wheeled should not exceed four wheels.

**Judging criteria:**

Will be explained to the participants at the time of Event.

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