JSPM'S

RAJARSHI SHAHU COLLEGE OF ENGINEERING, TATHAWADE, PUNE

Department of Mechanical Engineering

"CHAKRAVYUH"

Rule Book

❖ **Event Concept :**

Rev up your engines and get ready for the ultimate robotic showdown! Robo Race is an adrenaline-fueled competition where teams design, build, and navigate their robots through a challenging obstacle course. Speed, agility, and strategy will be put to the test as these mechanical marvels battle for the top spot. Who will cross the finish line first and claim the title of Robo Race champion.

Faculty Coordinator :	Dr. P. D. Patil
Day, Date, & Time of Event:	Thursday, 6th February 2025, 9:30 am onwards.
Entry Type:	Individual
Entry Fee:	Rs 149 per student

❖ **Exciting rewards:**

1. Prize Pool - Rs 20,000/-

2. Participation Certificate to all the Participants.

❖ **Event Details AND General Instructions::**

1. **Eligibility:**
   The competition is open to students from the first year to the fourth year of the all colleges.
   For team registrations, individual entries for each team member are mandatory. A separate registration form must be submitted for each participant.

2. **Registration:**
   All participants must register online, by filling the Google form by scanning the QR code..
   Participants must provide accurate and complete information during registration.

3. **Behavior:**
   Participants are expected to demonstrate professionalism, respect, and sportsmanship at all times.
   Any form of disruptive behavior, cheating, or misconduct will lead to immediate disqualification.

4. **Judges' Decisions:**
   Decisions made by the judges and organizers will be final and binding.
   Any appeals or disputes will not be entertained.

5. **Code of Conduct:**
   All participants are required to adhere to the college's code of conduct and ethics throughout the event.

6. **Attendance:**
   ▪ Participants should arrive at the venue by 9:30 AM time for registration and event briefing.
   ▪ Each participant must bring their valid student identification proof for verification.

❖ **BOT SPECIFICATIONS:**

1. The dimensions of the bat should be less than or equal to 300 mm X 300mm x 300mm (lxbxh) failing which the team will be disqualified from competition.

2. The bot must be controlled manually.

3. Teams can use both wired as well as wireless control mechanisms in the bots,

the length of the wire should be a minimum of 2 meters so that the wire remains slack at any instant of time. If the participants use a wireless mechansim they have to use either a dual frequency remote, Bluetooth, or Wifi.

4. The dimensions of the remote are not included in the size constraint of the bot.

5.The mechanism used should be such that only one person will control the bot Falling to meet any of the above specifications will lead to immediate disqualification.

POWER SUPPLY:

1. The participants should use onboard electric power supply.

2. The voltage between any two points should be less than or equal to 24V DC at all times during the run AC power supply will not be provided and cannot be used in the competition.

ARENA:

1. 4X4 Meter

2. Path 40cm width

OBSTACLES:

1. Inclination

2. Bridge

3. Speed Breaker

4. Sea-saw

5. Stones

6. Sand

Penalty: 10 seconds

a. Line touch

b. Hand touch

c. Obstacle pass (1min) max 2 allowed

CHECK POINT:

There will be 3 check points, if failed to follow the track between any two check points participants must start from the previous checkpoint.

Miss.Manali Pashte

Event Head

(8208285457)

Miss. Tanjila Inamdar   Miss. Chaturthi Khavare

Student Coordinator   Student Coordinator

(8010957966).   (9850550570)

Dr. P. D. Patil   Dr. S. N. Khan

Dept. Innovision 2025 Coordinator   H.O.D.