ROBO SUMO

EVENT SPECIFIC RULES:

- Each team must bring and operate their own RC-controlled robot.
- The competition will take place on a circular sumo ring approximately 1.5–2 metres in diameter with a smooth surface.
- **Wired controllers and autonomous operation are strictly prohibited.**
- **The dimensions of the robot should not exceed 30 cm X 30 cm X 30 cm in length, width and height.**
- **The weight of the robot should not exceed 10 kgs.**
- **Robots exceeding the dimensions cap will face a penalty.**
- Each match will be a direct 1v1 battle between two robots.
- Robots must begin from their designated starting positions inside the ring.
- A robot will be considered out as soon as any part of it touches the floor outside the ring.
- Each match will have a maximum duration of 5 minutes.
- If a robot loses power or stops functioning during a match, it will be automatically disqualified for that match and the opponent will advance.
- Deliberately damaging the arena, another participant's equipment, campus property, or event infrastructure will result in disqualification.
- Unauthorized external assistance during the competition is prohibited.
- Any form of cheating or deliberate attempt to manipulate the competition will result in disqualification.
- Poor social conduct, foul or abusive language, harassment, misbehavior, or unsportsmanlike conduct will not be tolerated.
- The Tech Fest Council reserves the final authority regarding robot eligibility, technical inspection, match decisions, penalties, disqualification, safety, and interpretation of rules.
- If neither robot is eliminated within 5 minutes, the judges will determine the advancing robot based on:
    - Aggression — consistent initiation of attacks or pushes.
    - Strategy — effectiveness of tactics used to push the opponent or avoid being pushed.
    - Control — ability to maintain precise control of movement and positioning.
    - Weapons, sharp edges, hazardous materials, or mechanisms designed to cause harm are strictly prohibited.

GAMEPLAY PROCEDURE:

- Teams must report for registration and technical inspection before their scheduled match.
- The competition will follow a single-elimination knockout format.
- The complete match bracket will be drawn and displayed before the competition begins.
- In case of an uneven number of teams, byes will be assigned through a random draw.
- Teams must place their robots at the designated starting positions in the arena.
- On the referee's signal, both robots will begin the battle.
- Teams must use their RC controllers to maneuver their robots and attempt to push the opponent outside the ring.
- A robot is eliminated immediately when any part of it touches the floor outside the ring.
- If a robot loses power or stops functioning during the match, it will be disqualified and the opponent will advance.
- If neither robot is eliminated within 5 minutes, the judges will select the advancing robot based on aggression, strategy, and control.
- The winner of each round will advance through the knockout bracket until the final winner is determined.
- All participants must maintain fair play and follow the instructions of the event officials throughout the competition.