

ROBO SUMO **COMPETITION**

COMPETITION OVERVIEW:

The maximum time allowed for whole match 3 minutes.

MEMBERS PER TEAM:

Members should be 2 to 4

GENERAL RULES:

- 2-4 members is allowed per team
- It is not mandatory that all the members of a group should be from the same institute
- Any team that is not ready or available at the time specified (Relaxations are possible, according to the situation) will be eliminated from the competition
- Replacement of the parts of robot will be allowed in case only if accident occurs
- Judges has the right to disqualify any team in any case.

COMPETITION RULES:

- There will be 1 rounds of 4 minute each.
- There will be one-on-one Matches.

- The Match will begin at the signal of the referee. There is a one timeout allowed of 2 minute.
- The player has to push the robot outside the arena to get the sumo points.
- If you have push the opponent robot single tyre outside the arena you will have the 1 point and if you have pushed the whole robot out of arena you will have 4 points. Top 50 % Teams will qualify for the next round.
- The Contest judges may stop any robot at any time if they feel that it is performing, or is about to perform, any action that is dangerous or hazardous to people or equipment.
- In all matters of interpreting the rules before and during the Contest and in case of any issues not covered by these rules, the decisions of the Contest Judging Committee will be final.
- Once the robot is inspected, no changes to the robot are allowed inside and outside the arena. If found guilty, the Team will be disqualified.

Robot & Arena Specifications:

- Bots will fight in an arena in circular shape(Arena will be shared to you soon).
- Robot Should Not Exceed 12 x 12 x 12 inches (L x W x H) dimension. Otherwise you will be disqualified.
- Bot can be of any shape but shouldn't damage the opponent's robot.
- A robot designed to flip the opponent's bot will be disqualified.
- Li-ion or Li-po batteries are acceptable with maximum 24V.
- The weight of the robot should not exceed 5 kg. (with all batteries, weapons etc loaded).
- Only Micro-Controllers can be used such as Adruino, etc.
- The bot should be remote controlled (such as Bluetooth or RC).
- Use of Magnet or any material that pulls opponents' robots is not allowed (Especially Jammers).

- Use of dead weight is allowed.
- Robots damaging the arena or field will be disqualified.
- The Team can consist of members from different universities. A Private team can also apply.
- A team should consist of minimum 2 and maximum 4 participants.
- Exceeding Dimensions (Length, Width and Height) will cause Elimination of points.
- Exceeding Weight range of 5.1 to 5.5kg will cause a deduction of 1point/0.1 Kg at the start of every match.
- Bot whose weight will not more than 5.5 kg otherwise you will be disqualified.
- Usage of Weapons is not allowed in robo sumo.
- Judges are allowed to disqualify the team in case of misbehavior or violation of the rules.