

**RCSC**  
Grab Beyond The Infinity

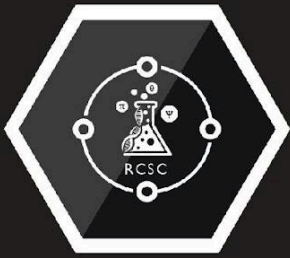


**RAJUK NATIONAL 3.0**  
**SCI-PARK**

## GENERAL RULES

---

- During matchmaking, only the team leader is authorized to be present near the bot.
- A team can consist of a maximum of 4 members.
- The teams must make an autonomous line follower bot that follows white line over black surface.
- The same robot cannot be used by multiple teams.
- The same person cannot participate in multiple teams in the same segment.
- The winning team will be declared based on points and time.
- Disrespecting the competition judges will lead to disqualification.



**RCSC**  
Grab Beyond The Infinity

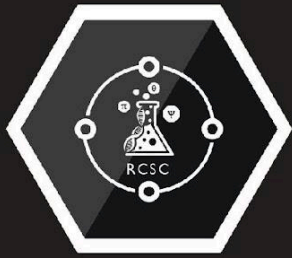


**RAJUK NATIONAL 3.0**  
**SCI-PARK**

# ROBOT SPECIFICATIONS

- The bot must be ground wheeled; no moving mechanism will be allowed.
- No wireless data communication device is allowed.
- The bot has to be autonomous.
- The bot must have an onboard power supply system. No external power supply is allowed.
- The maximum voltage must not exceed 24v at any two points in the circuit.
- Dimensions:

1. Maximum width	: 20 cm
2. Maximum length	: 20 cm
3. Maximum height	: 12 cm
4. Maximum weight	: 1 kg



**RCSC**  
Grab Beyond The Infinity

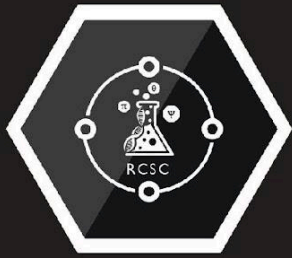


**RAJUK NATIONAL 3.0**  
**SCI-PARK**

# GAMEPLAY

---

- All teams must submit their bots 15 minutes before the main round. Failure to do so will lead to disqualification.
- The main track will be revealed 45 min before the main round.
- The demo track will be available for all participants to practice on the day of the contest.
- The teams will be called randomly by the organizers to bring their robots into the arena.
- Each team will get 3 minutes of calibration time before doing their main run. Failure to start the main run even after 3 minutes will result in the main timer starting automatically.
- After calibration, each team will get a maximum of 5 minutes to complete their run. Failure to complete in time will result in disqualification.



**RCSC**  
Grab Beyond The Infinity

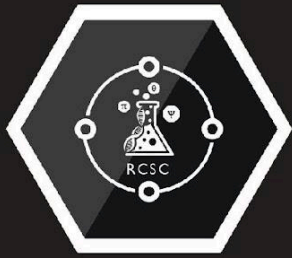


**RAJUK NATIONAL 3.0**  
**SCI-PARK**

## GAMEPLAY

---

- After calibration, each team will get a maximum of 5 minutes to complete their run. Failure to complete in time will result in disqualification.
- There will be only one round to determine the winners.
- To be eligible for winning, the team must score more than 0 points. If the team fails to get any points, they will not be considered for the prize money.
- The bot will have to start from the starting point and return to the same place after traveling all the way through the track. Stopping at the end will add a bonus point although it's not necessary.
- There will be 9 checkpoints in the main arena.
- Any robot that leaves the line must restart from the last checkpoint and there will be no interruption to the timer.



**RCSC**  
Grab Beyond The Infinity



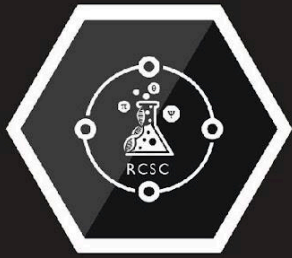
**RAJUK NATIONAL 3.0**  
**SCI PARK**

# GAMEPLAY

- SCORING :

Criteria	Points
1) Stopping at the end	40+
2) Handmade circuit	20+
3) Checkpoint cross	35+
4) Restarting last checkpoint	-15





**RCSC**  
Grab Beyond The Infinity



**RAJUK NATIONAL 3.0**  
**SCI-PARK**

## ARENA SPECIFICATIONS

---

- Arena Dimension : 8ft x 10ft.
- Line width : 3 cm.
- Arena will consist of black Line on white surface.
- There may be straight lines, circle, sharp turns (not less than 45°) and line gaps (no more than 15 cm).
- The start point and the end point will be indicated by a cross junction.
- The distance between two adjacent lines will not be less than 25 cm.
- There will be a total of 5 checkpoints.