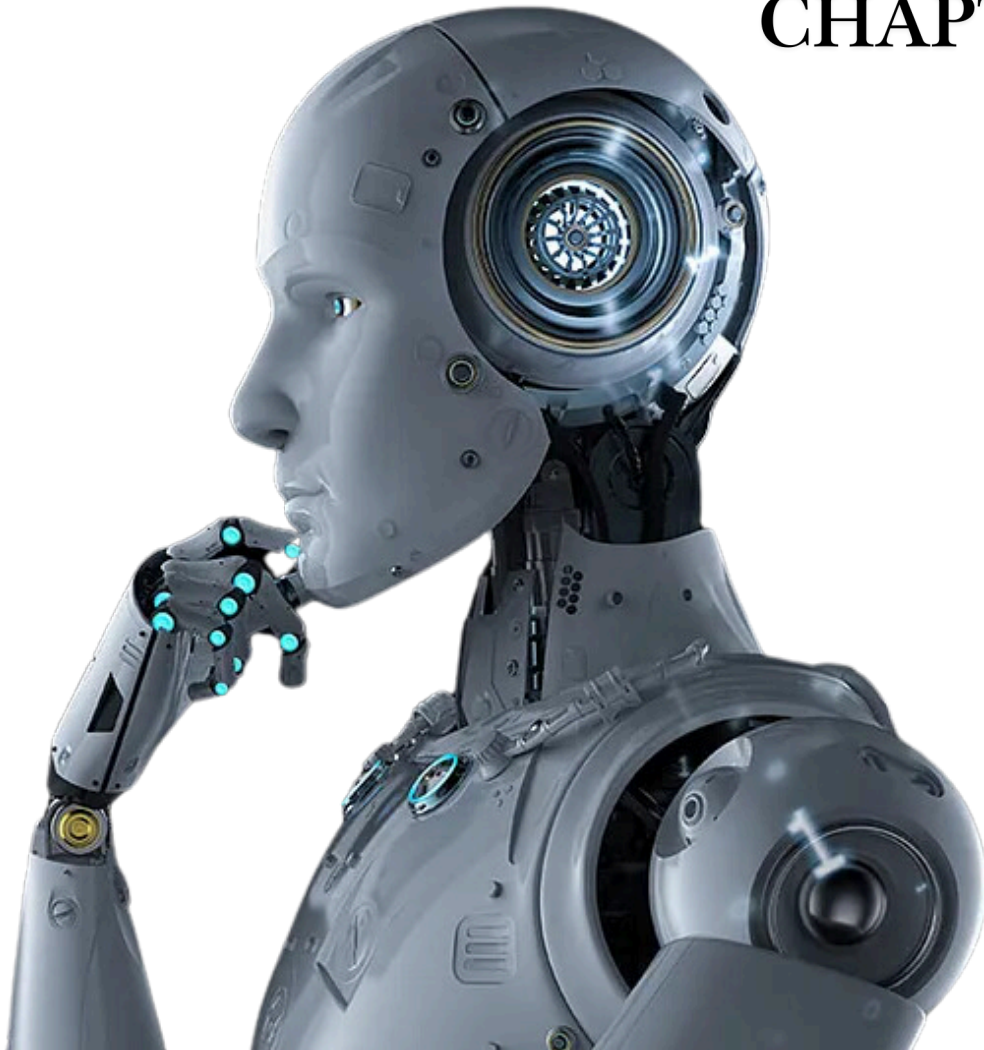


Robotics Club of GCET Presents

# ROBOTICA24

## CHAPTER 2



# Full Throttle Rule Book



## CHAPTER 2

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### FULL THROTTLE RULES

IN THIS COMPETITION THE CONTESTANT OR TEAM OF CONTESTANTS DESIGN A ROBOT WIRELESS WITHIN THE SPECIFIED DIMENSIONS THAT CAN BE OPERATED MANUALLY. THE ROBOT THAT WILL COMPLETE THE SPECIFIED TASK IN LEAST TIME WILL BE THE WINNER.

### GAME RULES

1. IN THIS COMPETITION, PARTICIPANTS ARE REQUIRED TO DESIGN A ROBOT WITHIN SPECIFIED DIMENSIONS THAT CAN BE MANUALLY OPERATED.
  2. TEAMS ARE STRICTLY PROHIBITED FROM ALTERING THE COMPONENTS OF THEIR ROBOTS IN BETWEEN THE ROUNDS.
  3. ANY ALTERATIONS MADE TO THE ROBOTS AFTER THE INVIGILATION PROCESS WILL RESULT IN AUTOMATIC DISQUALIFICATION.
  4. HALTING IN THE TRACK FOR MORE THAN FIVE SECONDS WILL LEAD TO DISQUALIFICATION.
  5. WE ARE NOT RESPONSIBLE FOR ANY KIND OF DAMAGE TO THE ROBOTS IN THE GAME FIELD.
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## CHAPTER 2

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### ROBO SPECIFICATIONS

1. THE ROBOTS MAY BE EITHER FULLY AUTONOMOUS OR REMOTELY CONTROLLED. IF REMOTELY CONTROLLED, THE ROBOTS MUST BE OPERATED BY A HUMAN OPERATOR WHO IS NOT PHYSICALLY ON THE COURSE. THE VEHICLES MUST BE ELECTRIC AND HAVE A MAXIMUM 20 CM HEIGHT AND 25 CM WIDTH SIZE LIMIT.
2. THE TRACK SURFACE AND COURSE LINE MAY HAVE UNEVENNESS. THERE WILL BE CERTAIN OBSTACLES IN THE RACE TRACK WHICH WILL TRY TO SLOW DOWN THE ROBOT.
3. : THE RACE MAY HAVE SEVERAL ROUNDS, EACH CONSISTING OF A CERTAIN NUMBER OF LAPS. THE FASTEST VEHICLE TO COMPLETE THE SET NUMBER OF LAPS IN THE SHORTEST TIME IS DECLARED THE WINNER
4. SAFETY IS A TOP PRIORITY DURING THE RACE, AND THERE ARE STRICT SAFETY RULES IN PLACE TO ENSURE THAT THE VEHICLES DO NOT CAUSE ANY HARM TO SPECTATORS OR OTHER COMPETITORS.



## CHAPTER 2

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### JUDGEMENT CRITERIA

- THE JUDGING CRITERIA FOR PROGRESSING TO THE NEXT ROUND IN THE SKY DASH COMPETITION VARY FOR EACH ROUND, CONSIDERING FACTORS SUCH AS OVERALL POINTS, THE NUMBER OF HOOPS CROSSED, AND THE TIME TAKEN.
- PENALTIES ARE IMPOSED IF THE DRONE TOUCHES THE BORDER OF THE TRACK OR IF SKIPS OR REPLACEMENTS ARE CHOSEN. EACH PENALTY ADDS EXTRA TIME TO THE TOTAL TIME.
- THE TIME ADDED FOR EACH PENALTY SHALL BE DECLARED ON THE DAY OF THE EVENT.

### TEAMS

1. TEAM SIZE CAN BE 1-3 MEMBERS.
2. MEMBERS FROM DIFFERENT INSTITUTIONS ARE PERMITTED TO COLLABORATE AND FORM A TEAM.
3. ONLY TWO MEMBERS FROM A TEAM ARE ALLOWED TO REMAIN IN THE VICINITY