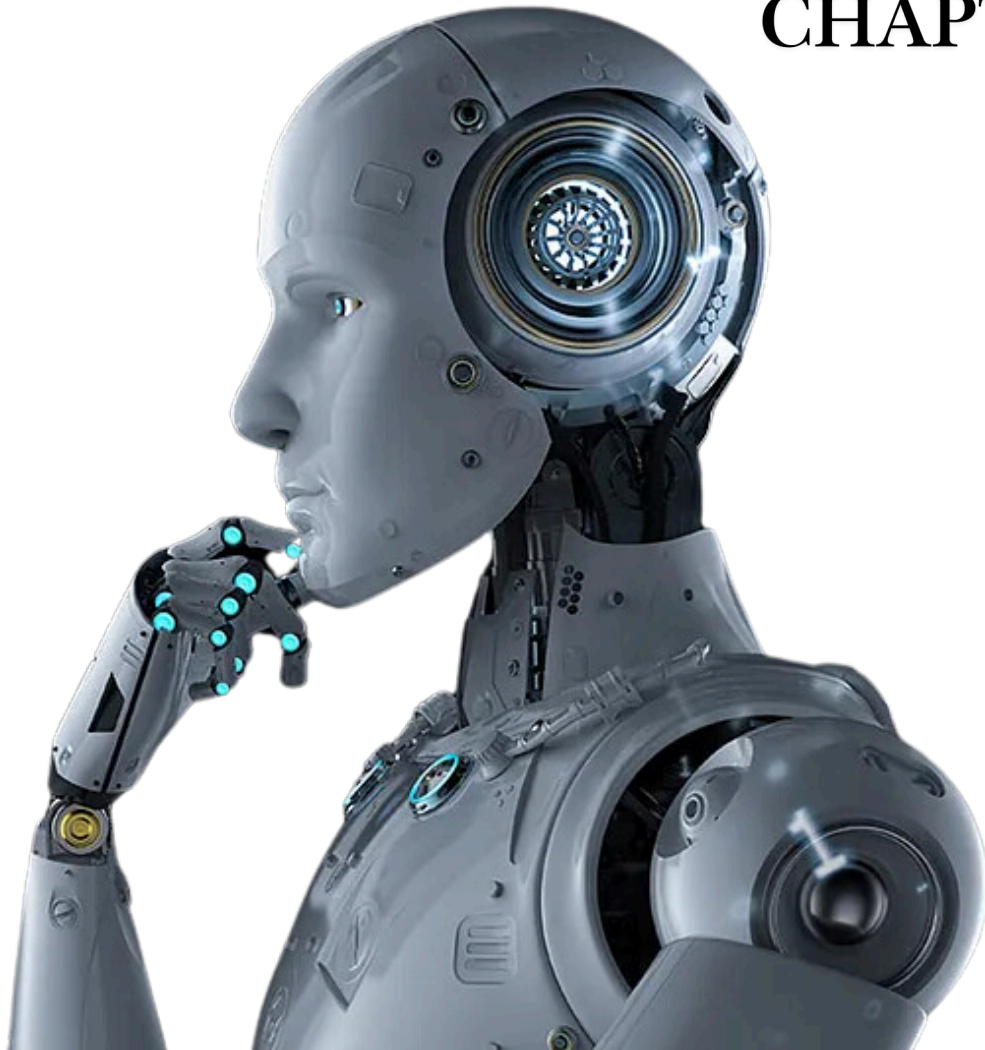


Robotics Club of GCET Presents

# ROBOTICA24

## CHAPTER 2



# Goal Rush Rule Book



## CHAPTER 2

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### GOAL RUSH 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. BUILD TWO SOCCER-PLAYING ROBOTS, ONE DESIGNED AS A STRIKER AND THE OTHER AS A GOALKEEPER.
  3. TEAMS ARE STRICTLY PROHIBITED FROM ALTERING THE COMPONENTS OF THEIR ROBOTS IN BETWEEN THE ROUNDS.
  4. CAPTURING THE BALL THROUGH ANY MEANS AND USE OF ANY STRUCTURED DESIGN TO HOLD THE BALL IS STRICTLY PROHIBITED AND MAY RESULT IN DISQUALIFICATION.
  5. THE BALL MUST BE KEPT IN A CONTINUAL STATE OF MOTION AND CANNOT BE LOCKED BY THE ROBOT.
  6. WE ARE NOT RESPONSIBLE FOR ANY KIND OF DAMAGE TO THE ROBOTS IN THE GAME FIELD.
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### ROBO SPECIFICATIONS

1. CONTESTANTS MAY OPTION TO DEVELOP ROBOTS FOR THE COMPETITION THAT ARE FULLY AUTONOMOUS, WIRED OR WIRELESS CONTROLLED. ALL VEHICLES MUST UTILIZE ELECTRIC POWER AND DIMENSIONS OF ROBOT SHOULD NOT EXCEED 30CM \* 30CM \* 3CM.
2. WE ARE NOT RESPONSIBLE FOR ANY KIND OF DAMAGE TO THE ROBOTS IN THE GAME FIELD.
3. PRIOR TO THE GAME, ALL PARTICIPATING VEHICLES ARE SUBJECTED TO A THOROUGH TECHNICAL INSPECTION TO VERIFY COMPLIANCE WITH THE ESTABLISHED RULES AND SPECIFICATIONS. VEHICLES THAT DO NOT MEET THE REQUIRED STANDARDS DURING THE TECHNICAL INSPECTION WILL BE DISQUALIFIED.
4. SCORING AND PENALTY WILL BE REVEALED ON THE DAY OF THE EVENT.



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### JUDGEMENT CRITERIA

- THE JUDGING CRITERIA FOR PROGRESSING TO THE NEXT ROUND IN THE SOCCER-PLAYING ROBOT COMPETITION VARY FOR EACH ROUND, CONSIDERING FACTORS SUCH AS OVERALL POINTS, THE NUMBER OF GOALS SCORED, AND THE TIME TAKEN.

### 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