AVENSIS-2023

(THE ANNUAL TECHNICAL FEST OF MSIT)

presents

"ROBO MAZE"

FIND YOUR WAY OR BEGONE

Objective:

Robo Maze game is to challenge participants to develop their programming and robotics skills by designing a robot that can successfully navigate through a complex maze, using sensors and advanced algorithms to make quick decisions and reach the end point within the shortest possible time.

Maze Specifications:

1. The maze will have dead-ends and false paths, creating additional challenges for the robot to navigate through.
2. The maze will have only one entry and exit point, providing a clear objective for the robot to work towards.
3. The maze will be visually appealing and include clear markings to help the robot identify the path and navigate through the maze.
4. The maze will be designed with precision and accuracy, ensuring that the robot relies solely on its sensors and programming to navigate through the maze.

Winning Criteria:

1. The victory criteria for a robot maze game involve successfully navigating the robot through the maze to a specific endpoint or goal.
2. The robot must complete the maze within a certain amount of time while following any specified rules, such as staying within the bounds of the maze or avoiding certain obstacles.
3. The robot that successfully completes the maze within the designated time limit while meeting all criteria will be declared the winner.

Game Rules:

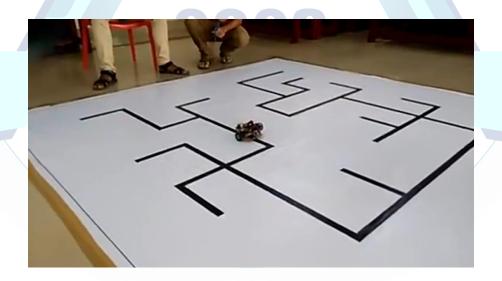1. Contesting machines must be submitted to the organizers at the time of registration.

2. The micromouse handler is given time to adjust and calibrate the sensors after the maze is unveiled.

3. No selection of strategies or capturing of maze configuration is allowed. Violation of this rule will lead to instant disqualification.

4. Each micromouse is allocated a total of 7 minutes of access to the maze after the 3-minute sensor adjustment time.

5. Manual assistance to the micromouse during the contest is considered a disqualification.

6. Scoring is based on three parameters: run time, maze time, and the number of times the micromouse is touched.

Prizes:

FIRST POSITION	**Rs 2000**
SECOND POSITION	**Rs 1200**
THIRD POSITION	**Rs 800**

Venue :   **MSIT badminton court**
Date and Time : **19/04/2023 10:30 AM onwards**