

TECHNO FUTURE

RAMADAN ROBOTICS LEAGUE



TASK NAME: COLLECTING BALLS

TASK DESCRIPTION:

Starting from the starting point let your robot; move forward and when it detects the black line turn to get the first ball, then go back to find the black line again, turn and drop the ball in the basket right under the flag. Then let you robot repeat the same steps again to get the other two balls. Note that to get the 2nd ball the robot should turn when it sees the second black line and it should also turn at the 3rd black line to get the third ball.

MARKS DESCRIPTION:

- 1) Turning at the 1st black line.....(5 marks)
- 2) Getting the 1st ball and dropping it in the basket..... (10 marks)
- 3) Turning at the 2nd black line.....(7 marks)
- 4) Getting the 2nd ball and dropping it in the basket(10 marks)
- 5) Turning at the 3rd black line(7 marks)
- 6) Getting the 3rd ball and dropping it in the basket.(11 marks)

NUMBER OF ALLOWED TRIALS: 3 trials.

ESTIMATED TIME: 2 minutes.

NOTE: The Team, which will accomplish the task faster, will get a bonus of 5 marks.

