

OPEN TO ALL

PROBLEM STATEMENT

THE FINAL DESTINATION

- THE FINAL DESTINATION IS A LINE FOLLOWING EVENT ORGANISED BY ROBONIXX CLUB, BCET, DURGAPUR.
- THIS EVENT AIMS TO FOLLOW A BOT ON A GIVEN ARENA OF LINE FOLLOWING IN THE WORLD OF AUTONOMOUS ROBOTICS.
- AND NOW ITS YOUR TURN TO WIN THIS EVENT.

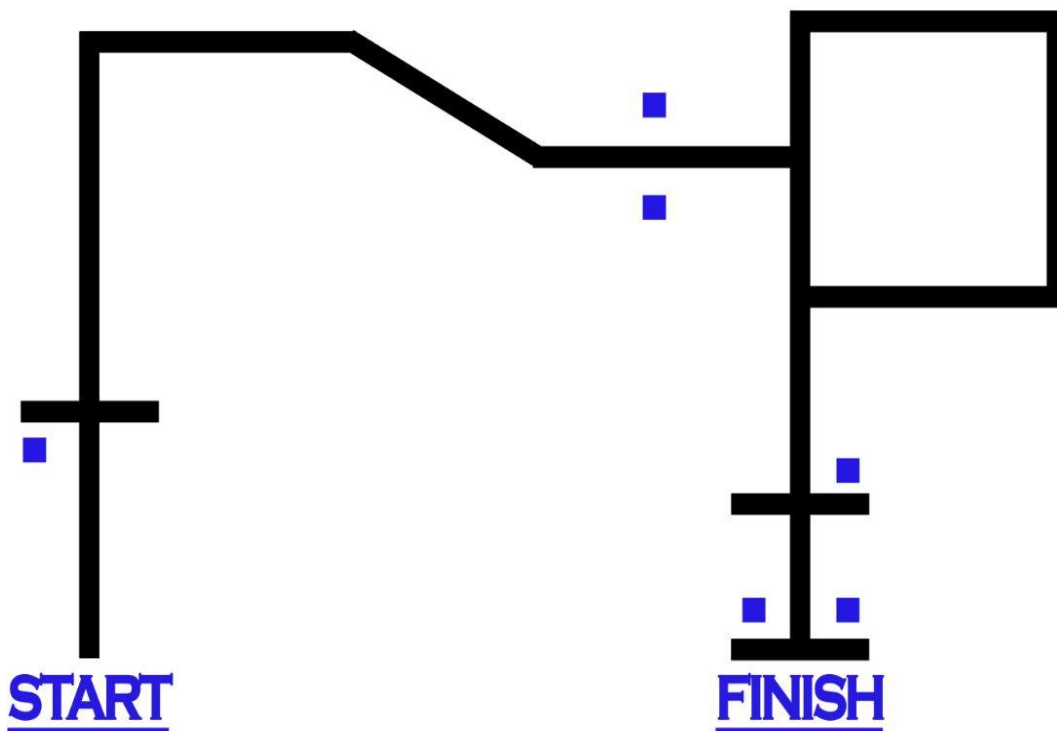
TASK DESCRIPTION

- IN THIS EVENT YOU HAVE TO FOLLOW THE 3CM PATH OF BLACK COLOR ON THE WHITE SURFACE.
- DIMENSIONS OF THE ARENA CAN VARY AT THE TIME OF EVENT, SO WE WILL NOT PROVIDE ARENA WITH THE DIMENSION IN PROBLEM STATEMENT.
- THERE WILL BE THE BLOCK OF $10 \times 10 \text{CM}^2$. YOUR BOT HAS TO DETECT IT AND YOU HAVE TO GLOW A LED OVER THERE FOR MINIMUM 500MSEC.

ROBOT SPECIFICATION

ROBOT SHOULD BE FULLY AUTONOMOUS AND CAN FIT INTO 25CMX25CMX25CM BOX.ROBOT CAN HAVE ON BOARD POWER SUPPLY OR CAN PROVIDE EXTERNAL ADAPTER POWER SUPPLY.TEAM ROBONIXX WILL PROVIDE THEM WITH STANDARD 220V A.C SUPPLY.

ARENA



SCORING

- LED GLOWING WHEN OBJECT DETECTED : 50 POINTS
- TIME IS THE MAJOR COMPONENT. MINIMUM TIME TAKEN BY THE BOT IN THE EVENT WILL LEAD IN **THE FINAL DESTINATION.**

RULES

- BOT WILL BE PLACED AT THE STARTING POINT.
- AS THE TIMER STARTS YOUR BOT SHOULD START MOVING.
- NO INTERRUPTION WILL BE ALLOWED IN BETWEEN THE RUN. ANY INTERRUPTION WILL LEAD TO NEGATIVE MARKING.
- BOT SHOULD STOP ONLY AT THE END POINT.
- ANY DAMAGE TO THE ARENA WILL LEAD TO THE DISQUALIFICATION.

CONTACTS

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