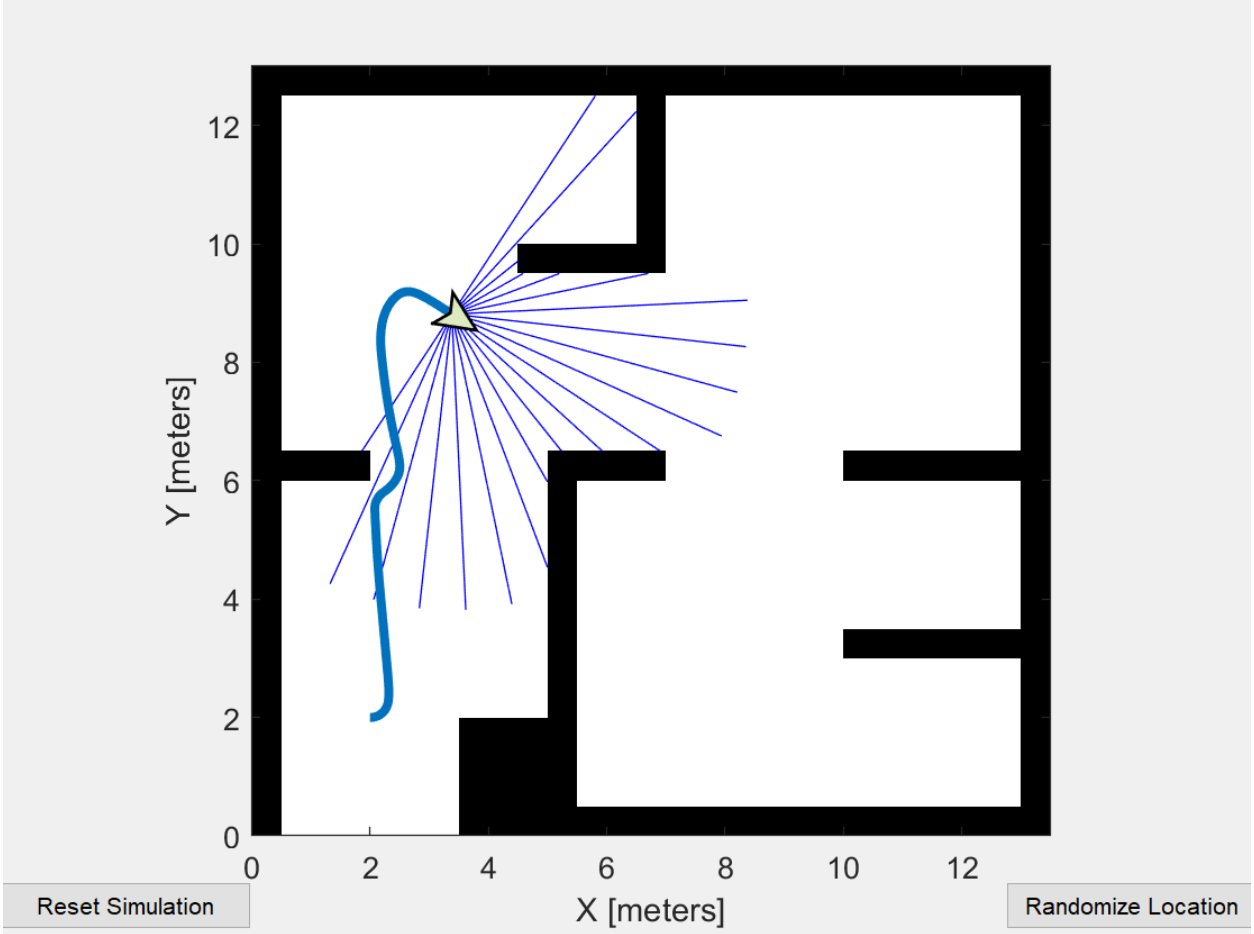
Problem statement:

The aim of the experiment is to make the robot move from the point (x,y) = (2,4) to the point (x,y) = (10,4). The robot has to pass through the point (x,y) = (2,10) on its way to the destination. Further, the robot has to avoid obstacles on its way as it moves through the target goals.



Instructions:

- Open the ***Experiment2.m*** file
- Run the code by pressing (*F5)* or using the *Run* button
- This opens the Simulink model ***pathFollowingWithObstacleAvoidanceExample.slx*** containing the controller blocks for the robot. These blocks have subsystems that contain missing blocks where the required algorithms have to be implemented. The required details of the missing blocks are provided as comments in the ***Experiment2.m*** file
- Run the simulink model by pressing the Run button to simulate the robot's trajectory

Note: Please ensure that you shutdown the ROS node using the command ***rosshutdown***, between successive iterations of the Experiment2.m file.