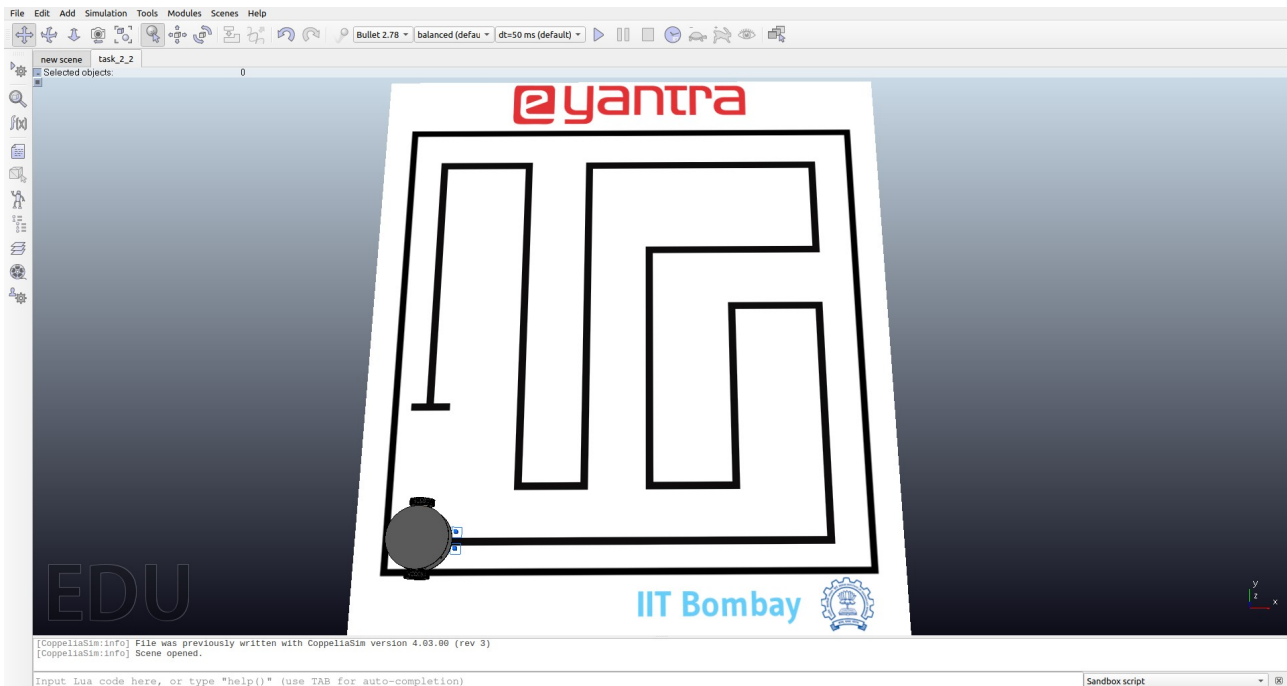


Task 2.2

Problem Statement:

Move the differential drive robot by following the below printed lines and reach the finish point

Arena:



The arena consist of the black lines, the differential drive robot and four vision sensors, two at front and two at middle of bot

Theme rules:

- None of the above mentioned objects can be moved or tampered with.
- The arena cannot be changed in any way.
- Your job is:
 1. To detect the black lines
 2. move the bot to follow the lines
 3. stabily take all the turns
 4. stop the bot once it complete its journey and reach the finish position
- Once the simulation started, human intervention is not allowed

Scoring:

your score will be calculated as:

score = 100 - (% of error of bot's travelled path)

error of bot path = mod((Actual distance covered by bot) – (Actual length of the black path))