

Progress Task: Ant Bot

Please find following files and folders in the folder containing this “Read Me.pdf”:

1. **SIM Placement Document:** This file contains the ArUco marker (SIM) and is to be printed and markers are to be placed on the arena as per instructions given in rulebook and Task 2.
2. **Video Submission Instructions:** This file contains detailed instruction about creating and submitting the video for Progress Video task.

Task:

The task is divided in two sub tasks:

- **Task A:** Place the robot at the “Start” position. When the robot is turned ON, it should go near the Central Node and identify all the SIMs nearby and stop.

You can submit the list of IDs detected by the robot in the form of a CSV as follows:

| | |
|-------|-------------|
| SIM 0 | ID Detected |
| SIM 1 | ID Detected |
| SIM 2 | ID Detected |
| SIM 3 | ID Detected |

Note: The submission file should be named as eYRC#AB#<Team ID>.csv. Submissions of teams not conforming to submissions instructions will not be considered for evaluation.

- **Task B:** Place a Red block at Supply 1 (S1) position in Shrubs Area. Place the robot at the node associated with Supply 1 position. Your robot has to just pick the block up and place it again at S1.

Submission Instructions:

- Create the video and upload on YouTube for Task as explained in Video Submission Instructions and submit the link on the portal. You can merge two videos for Task A & Task B and then upload a single video on YouTube.

- Start your video for Task A with a slide of your team ID and the words “**Task A**” below it. Then, capture the video for Task A. Now, have another slide with your team ID and the words “**Task B**” below it and capture the video for Task B. Merge both the videos such that the video starts with Task A slide followed by Task A video; Task B slide followed by Task B video.

Note: Task B video should come after Task A video in the merged video.

- Create a folder named eYRC#AB#<Team ID>. Save the .csv file and the code files in this folder. Save the folder in .zip format and then upload on the portal.

