

Instructions for Creating Video

Note: Please ensure that the video uploaded is of good quality and conforms to the instructions given below.

1. Setup the arena according to configuration given before you start shooting the video.
2. The resolution of the video should be good enough for judging. You have to use a 5 Megapixel or higher camera to shoot the video.
3. The video should be in one of the two following formats: .avi or .mp4.
4. **The video will consist of two parts: Introduction part and Demonstration part.**
5. **Introduction part:** The video **should start with a brief introduction**. Please follow the instructions below:
 - Opening screen of the video should be a shot of “**Title_slide.doc**” printed on A4 sheet with the team details. Hold the sheet still for 3-5 seconds along with all the team members.
 - This should be followed by an introduction limited to a maximum of **ONE minute**:
 - A **30 second** introduction by the team leader highlighting any interesting aspect of the theme’s implementation.
 - A **30 second** description by the team leader highlighting any additional components like power supply, power distribution circuit, arm mechanism, algorithm.
6. **Demonstration part:** Demonstration part **MUST** be a **one-shot continuous video**. It should **not be edited** in any manner. Teams uploading an edited video will be **disqualified** from the competition. e-Yantra reserves the rights to disqualify any team if any foul play is suspected.
7. The video should be taken by keeping the camera such that the entire arena is visible to the viewer. Here are a few tips for shooting good quality video:
 - Camera should be kept stable while recording.
 - Light the arena such that there is no reflection into the camera.
 - Keep the background, any lighting, etc. constant during the video shooting so that it doesn't show as a discontinuity in the video.
 - There should be no interference in terms of background noise or movement while shooting the video.

NOTE: The video **MUST** show both Laptop/PC and full arena during the course of its traversal in a run. See Figure 1 for reference.

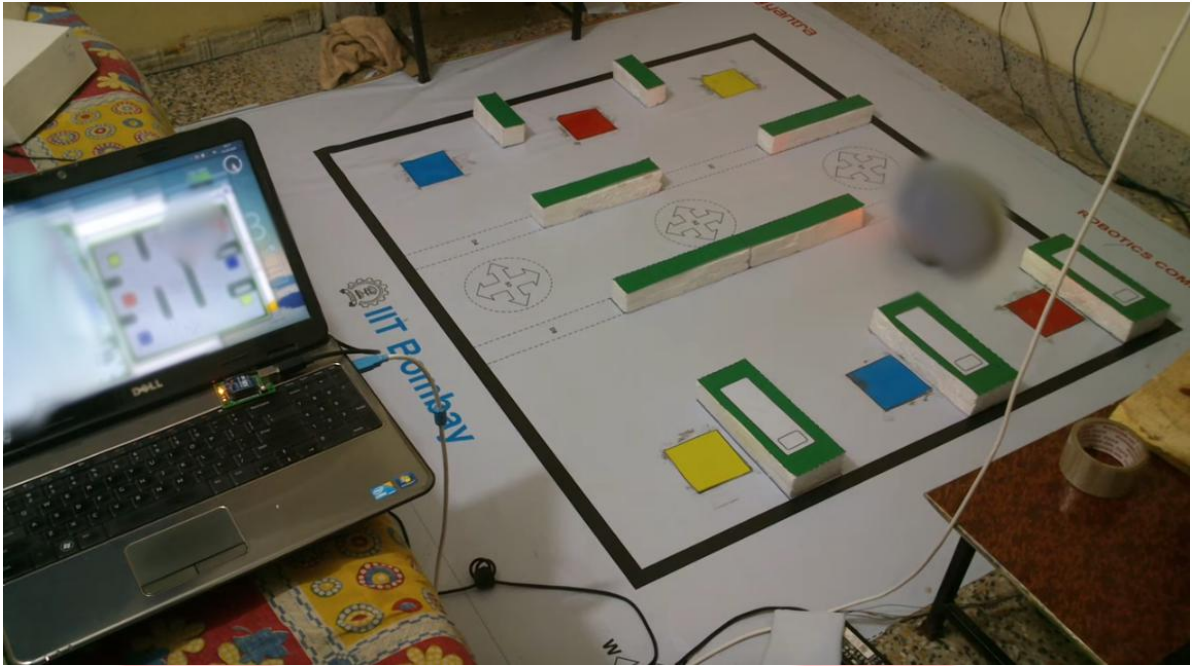


Figure 1: An Example

8. Please follow the steps below:
 - Enter the Placement Sequence and Structure Sequence in the program.
 - Place the robot at the START position facing towards the Deposition zone.
 - Before starting the robot, start Arduino and Blender program.
 - Start the Firebird V robot.
 - The timer starts at the point you start the robot.
 - Once the robot starts moving, your Laptop/PC should show the Blender Interface. After this, the arena along with PC/laptop should be in the camera view without any interference until the run ends.
9. In a successful run, the timer is stopped when the robot has placed all the Blocks in the Deposition zone and in Blender Truck moves to the Market.
10. In case you have any problem with the robot during the task (e.g. it goes out of the arena or dashes Trees) and want to reposition the robot, you can do so subject to the rules given in the rulebook.
11. You are allowed to capture only ONE run during the demonstration; this should be a continuous video recording. Any repositions (if made) should also be a part of the one shot video.
12. It is mandatory that you upload the demo video even if your task is not completed. You may record the video of best run of the bot on the arena.
13. The video should end either
 - When the task is completed successfully and the buzzer is buzzed for 5 seconds or
 - If you exceed the number of repositions or
 - The maximum time (10 minutes) given to complete the task has elapsed - as mentioned in the rulebook.
14. **Uploading video/s on YouTube:**
 - Upload video using the given Configuration with the title **eYRC#TB#<Team ID>_Demo** (For example: If your team ID is 1234 then, save it as eYRC#TB#1234_Demo)
 - Please note that while uploading the video on YouTube select the privacy setting option as **Unlisted (Refer to Figure 2)**.

You need to upload the video as instructed on the portal.

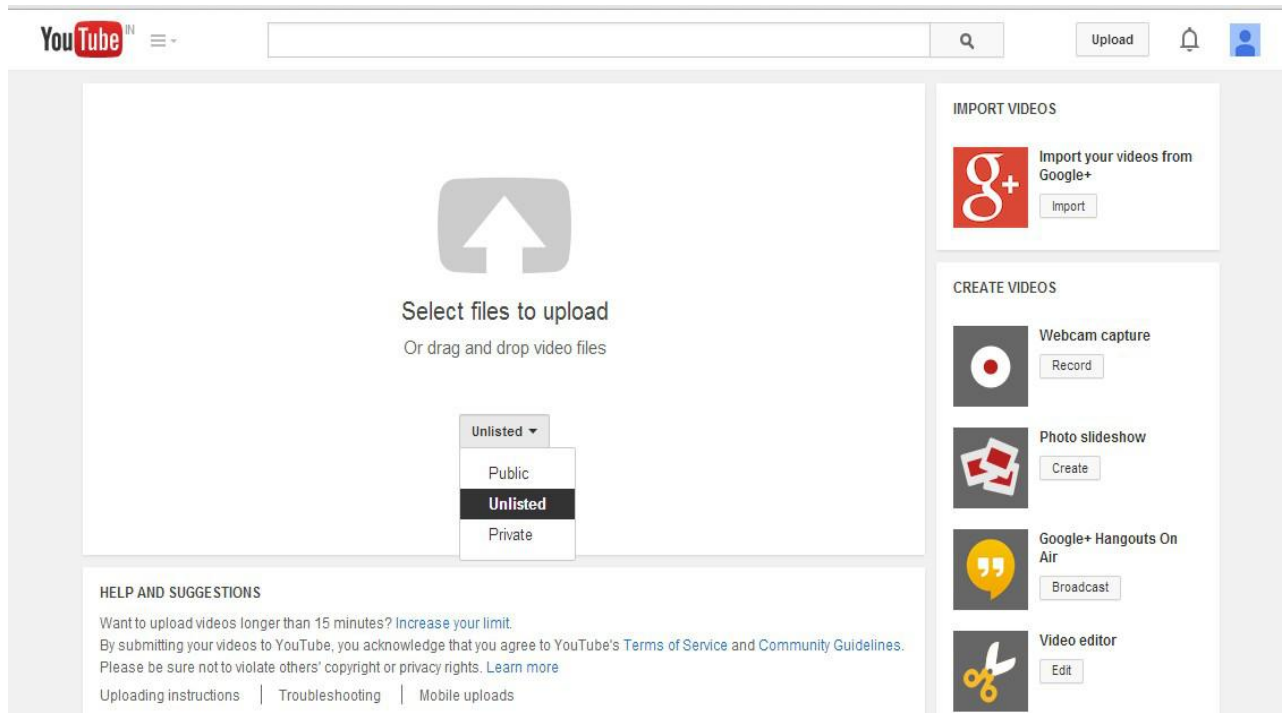


Figure 2: YouTube page - "Unlisted" Option Selected