

Instructions for Creating Video

1. Setup the arena before you start shooting the video.
2. The video should be in one of the two following formats: .avi or .mp4.
3. The video will consist of two parts: **Introduction part** and **Demonstration part**.
4. **Introduction part:** The video should start with a brief introduction. Please follow the instructions below:
 - a. Opening screen of the video should be a shot of "Title_slide" printed on A4 sheet with the team details. Hold the sheet still for 3-5 seconds along with all the team members.
 - b. 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 etc.
5. **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.
 - a. The demo should be a screen recording, which should show the video processing on the top left, raw video camera stream on the top right and the python console at the bottom (Fig. 1).
 - b. The Python console should clearly show Relief Aid type and their respective Node number with respect to the Start node/Capital.
 - c. Here are a few tips for shooting good quality video:
 - Camera should be kept stable while recording.
 - Light the arena so 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.
 - d. Please follow the sequence given below
 - Place the robot at the CAPITAL/START Node in the arena
 - Start the Python Script on your PC/System
 - Start the Supply Bot
 - The timer starts at the point you start the robot
 - Once the Supply Bot starts, the screen recording should show three windows as shown in Fig. 1.
 - e. In a successful run, the timer stops when the supply bot has serviced all the Relief Aid, and as per the rulebook.
 - f. Once the run is started there **SHOULD NOT BE ANY HUMAN INTERFERENCE IN THE VIDEO**.
 - g. In case you have any problem with the robot during the task (e.g. it goes out of the arena or dashes the Walls etc.) and want to restart the robot, you can do so, subject

to the rules given in the Rulebook. **ONLY ONE NOMINATED PERSON FROM THE TEAM CAN RESTART THE ROBOT.** During the run the nominated person should be out of the frame and enter only when necessary.

- h. In case you have any problem with the robot during the task (e.g. it goes out of the arena or collides into the coin/aid) and want to restart the robot, you can do so subject to the rules given in the rulebook.
- i. Restart (if made) should also be a part of the one shot video.
- j. It is advised that you upload the video even if your task is not fully completed. You may record the video of the best run of the robot in the arena.
- k. Upload your best run on the portal for evaluation.
- l. The video should end either
 - When the task is completed successfully and the buzzer is buzzed (or)
 - If you exceed the number of restarts (or)
 - The maximum time (480 Seconds) given to complete the task has elapsed - as mentioned in the rulebook



Fig. 1: Screen Recording layout (strictly adhere to this layout)

Submission Instructions

Uploading **Screen Recording**(as explained in fig.1) on YouTube of Task 5:

1. Upload video with the title
 - a. **for Original Arena Configuration: SB#<Team ID>_Task_5_Original.** For example: If your team ID is 9999 then, save your Video as SB#9999_Task_5_Original.
 - b. **for Bonus Arena Configuration: SB#<Team ID>_Task_5_Bonus.** For example: If your team ID is 9999 then, save your Video as SB#9999_Task_5_Bonus.

2. Please note that while uploading the video on YouTube select the privacy setting option as Unlisted (Refer to Fig. 2.).
3. You need to upload the video link as instructed on the portal.

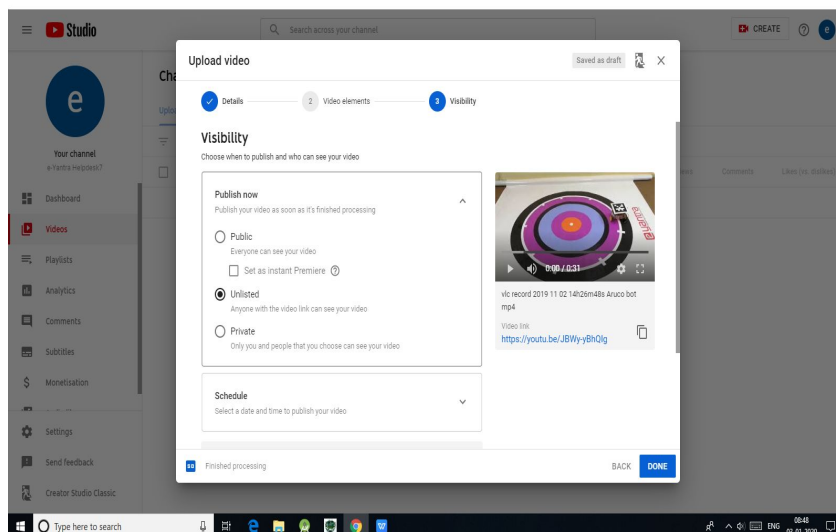


Fig. 2: Youtube page – “Unlisted” Option Selected in Visibility category

Uploading 8MP HD Video (Piazza post @882) on Google Drive:

1. Upload video with the title
 - a. **for Original Arena Configuration: SB#<Team ID>_Task_5_Original_HD.** For example: If your team ID is 9999 then, save your Video as SB#9999_Task_5_Original.
 - b. **for Bonus Arena Configuration: SB#<Team ID>_Task_5_Bonus_HD.** For example: If your team ID is 9999 then, save your Video as SB#9999_Task_5_Bonus.
2. Since this is going to be a HD video we require you to upload the video (Piazza post @882, Video Recording Instruction.pdf) on your Google Drive
3. You need to upload the Google Drive link as instructed on the portal.