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 before you start shooting the video as given in the Configuration pdf file.
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 **TWO minute**:
     - Short introduction by each team member: Each team member can say his/her name and their department in college. This should take a maximum of **30 seconds**.
     - A **30 second** introduction by the team leader highlighting any interesting aspect of the theme's implementation.
     - A **1 minute** description by the team leader highlighting any additional components like power supply, power distribution circuit (made be team).

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.

8. Please follow the steps below:
   - Place the robots at Start positions in the arena and power them up.
   - Make sure they are not moving at all.
   - The camera should focus on the computer screen to capture the Python IDLE console output.
   - Connect USB to serial cable between PC/Laptop and one of the robots.
   - Run the Python code. Use audio.wav file as audio input.

   Note: For reference output.txt file is given which gives the notes that are in the audio.wav file.

   - When communication is completed remove USB to serial cable and press the boot key on the robot. Other robot can be started using ON/OFF switch or boot key.

- Start both the robots simultaneously. The timer starts at the point you start one of the robots.

- Team leader says **"START" --** while pressing the boot key (should be captured by the camera).

- Once both the robots start moving, entire arena should be in the camera view without any interference until the run ends.

9. In a successful run, the timer is stopped when all the notes are played by the robots.
10. In case you have any problem with the robot during the task (e.g. it goes out of the arena or loses track) 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. You are allowed to reposition two times during the run as mentioned in the rulebook. 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 robot on the arena.
13. The video should end either

- When the task is completed successfully or

- If you exceed the allowed 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 Original Configuration with the title **eYRC#BV#<Team ID>_Demonstration**

- Upload video using the Bonus Configuration with the title **eYRC#BV#<Team ID>Bonus_Demonstration**
  - ➢ (For example: If your team ID is 25 then, save it as eYRC#BV#25_Demonstration)

Please note that while uploading the video on YouTube select the privacy setting option as **Unlisted (Refer to Figure 1).**

You need to upload the video as instructed on the portal.
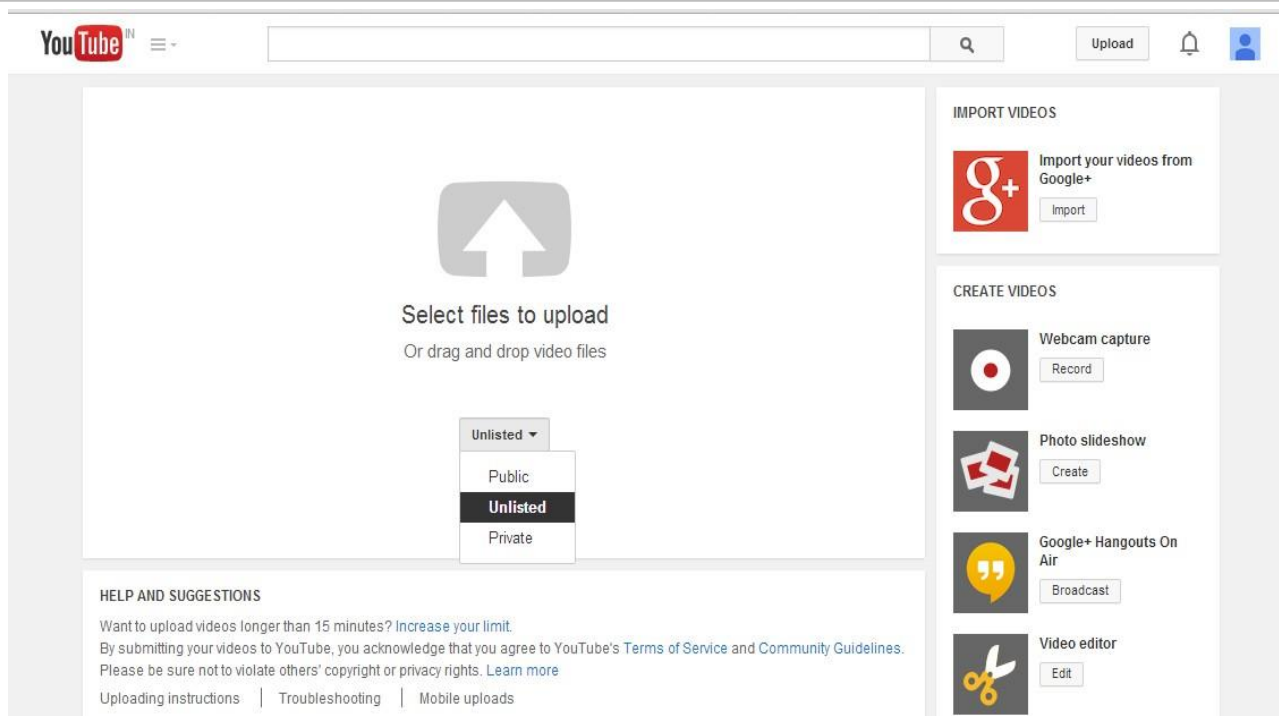You need to submit the video link on the "upload" tab of the portal.

Figure 1: YouTube Upload Page