

e-Yantra Robotics Competition (eYRC 2019-20)

Task 4 – Supply Bot

Welcome to **Task 4** of **Supply Bot**!

Note: It is recommended in this theme to use a PC/laptop with **Windows 10 (64 bit) OS**.

You will find the following files in the **Task 4** folder that contains this **ReadMe: Submission Instructions** file.

1. *Task 4.pdf*
2. *Rule Book Modification.pdf*
3. *Case.jpg (Sample possible case)*
4. *Case1-4.jpg (Possible theme run)*

This document contains the Task 4 to be performed and submitted.

Note: “Rule Book Modification” file should be used/followed for the rest of the theme implementation, this document overrides all the entries provided in the actual theme Rule Book. Possible sample cases of theme run are depicted in the “Case1-4” image files, the scores for each case are provided in Task 4.

Submission Requirements:

Please follow the instructions given below to submit your task.

1. Create codes zip file
 - a. You need to submit all your video processing python code files and embedded C code files as part of your submission.
 - b. Please follow the structure of zip file as given below,
 - SB#<Team ID>.zip
 - SB#<Team ID>main.py
 - SB#<Team ID>Other.py (if applicable)
 - SB#<Team ID>main.c
 - SB#<Team ID>.h (if applicable)

2. Creating a Screen Recording

- You can use Camtasia or Apowersoft software for screen record
- Before you start recording make sure everything is working and arrange windows as shown in fig.1.
- Record a video that does not exceed 3 mins, which will show your video processing on the top left, raw video camera stream on the top right and the python console at the bottom.
- The recording should clearly show how the Supply Bot following the white line, stopping at the City, beeping the buzzer whenever needed, and striking the coin towards the center.
- You can also have a running commentary explaining your algorithm.
- DO NOT EDIT the video, if the video is edited in any manner, the team may be disqualified.



3. Uploading video/s on YouTube:

- Upload video with the title SB#<Team ID>_Task_4_Video. For example: If your team ID is 9999 then, save your Video as SB#9999_Task_4_Video.
- Please note that while uploading the video on YouTube select the privacy setting option as Unlisted (Refer to Fig. 2.).
- You need to upload the video link as instructed on the portal.

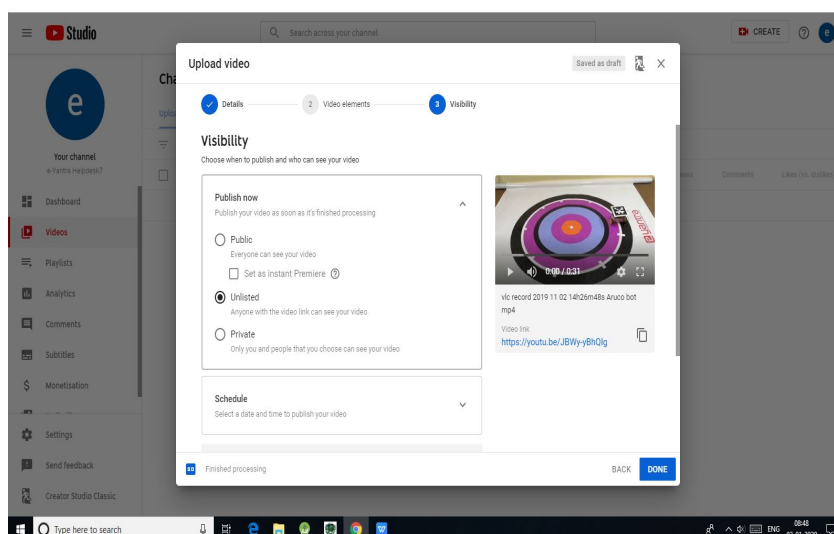


Fig. 2: Youtube page – “Unlisted” Option Selected in Visibility category