

Task 5 - Biped Patrol

Bonus Configuration

Greetings from e-Yantra!

Welcome to Task 5 - Bonus Configuration of Theme Biped Patrol.

This task will only be evaluated if you have submitted a proper Original Configuration Video. Please follow the instructions given in this document:

1 Preparing the Arena

- Place **two (2) First Aid Kits**, **two (2) Medical Kits** and **two (2) Chlorine Tablets** in on the racks of **Medical Store** as shown in Figure 1:

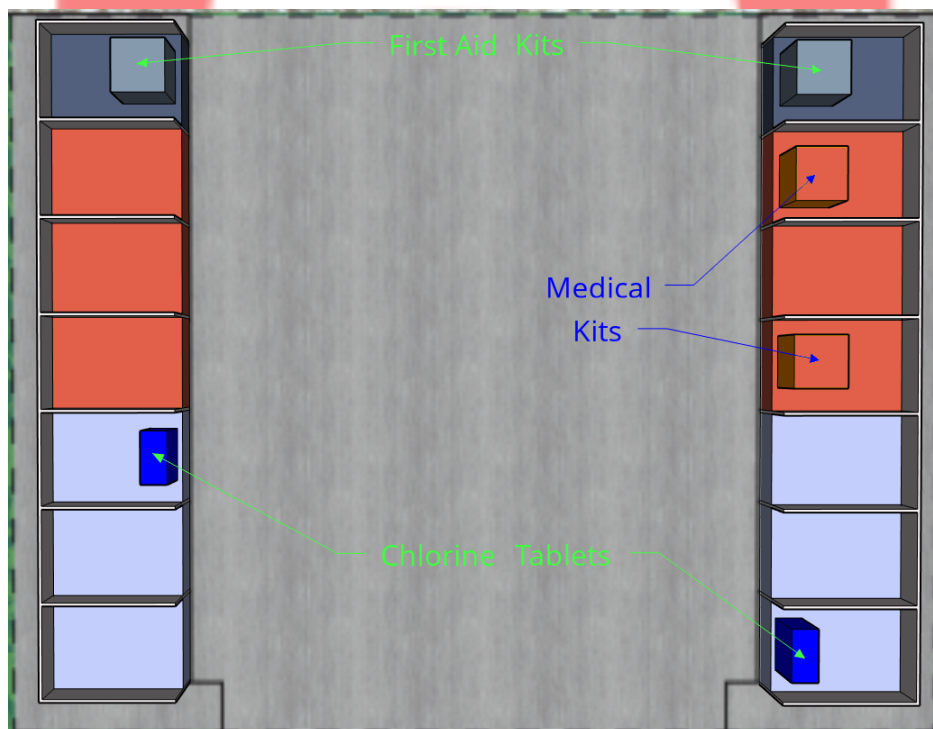


Figure 1: Medical Store Arrangement

- After firmly mounting the Aruco Marker on the Medbot and preparing the Medical Store, place the Medbot in the parking area of the arena as shown in Figure 2 and 3:

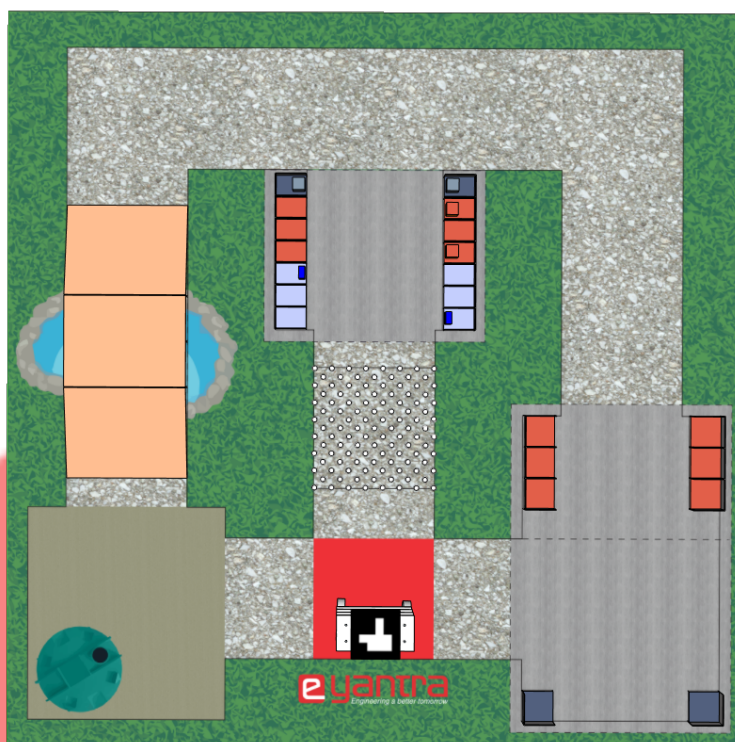


Figure 2: Top View of Arena before starting the run

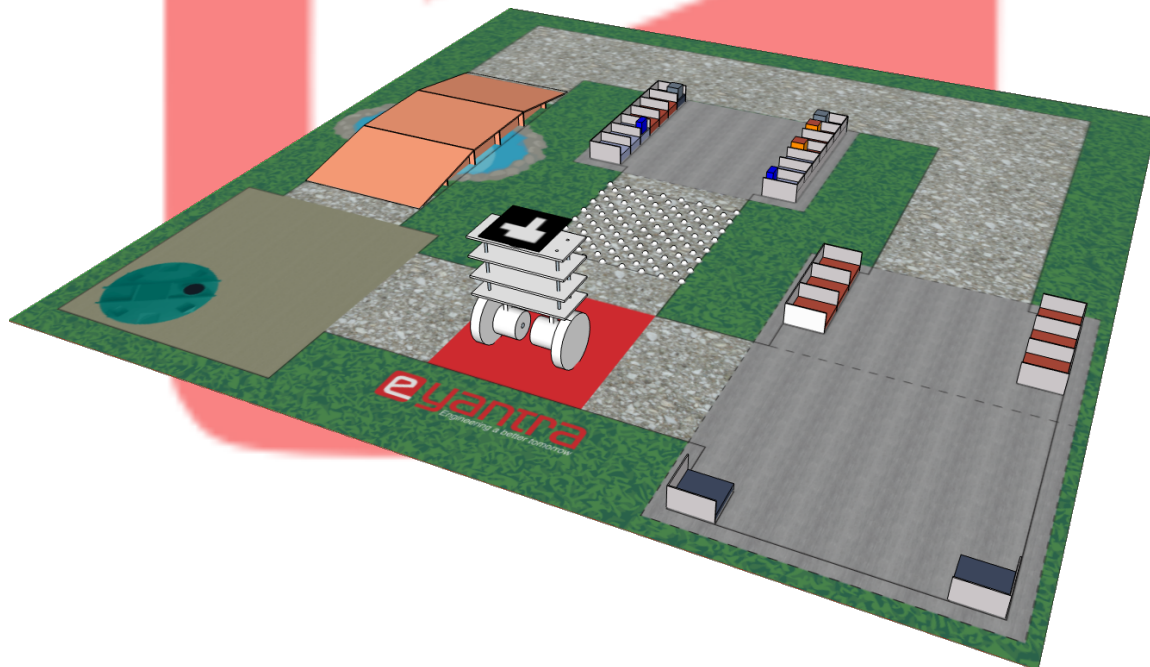


Figure 3: Side View of Arena before starting the run

2 Rules for Traversal in Bonus Configuration

- You need to record a video of the whole theme run according to the **Theme Rulebook**
- In the theme run, you need to maximise the points you can gain according to the Scoring Criteria given in the Rulebook
- For the Bonus configuration, you need to complete at least two **LRG(Loaded Run on Gravel Pathway)** and at least two **LRB(Loaded Run on Bridge)** during the theme run. Please read the Scoring criteria carefully in the Rulebook for the definition of LRG and LRB.

3 Video Recording

- The video will consist of two parts: **Introduction** part and **Demonstration** part.
- **Introduction:** The video should start with a brief introduction.
 - You will find the "**TeamID.pdf**" in the Task 5 folder. Print it on an A4 paper and fill the team details in it.
 - Hold the sheet still for 3-5 seconds along with all the team members.
 - This would 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 highlighting any additional components like power distribution circuit, algorithm etc.
- **Demonstration:** It **MUST** be a **one-shot continuous video**.
 - The video must be recorded according to the instructions given in the **Video Recording Instructions** PDF document.
- Please make sure the whole arena is in view and no part is getting cut.

- Please step back from the arena and make sure stray furniture is not visible in frame. Nominate one person to control robot using robot and another person to carry out the re-positions. Try to ensure minimum manual intervention in the Arena.
- Please ensure the whole arena is well illuminated.

Submission Instructions

- The video should be named "**eYRC-BP#<Team_ID>_Task5_Bonus _Configuration**". If your Team ID is 16, the video should be named as "**eYRC-BP#16_Task5_Bonus_Configuration**". Upload the video on Youtube. The video should be uploaded under **Unlisted Category**. Refer Figure 4.

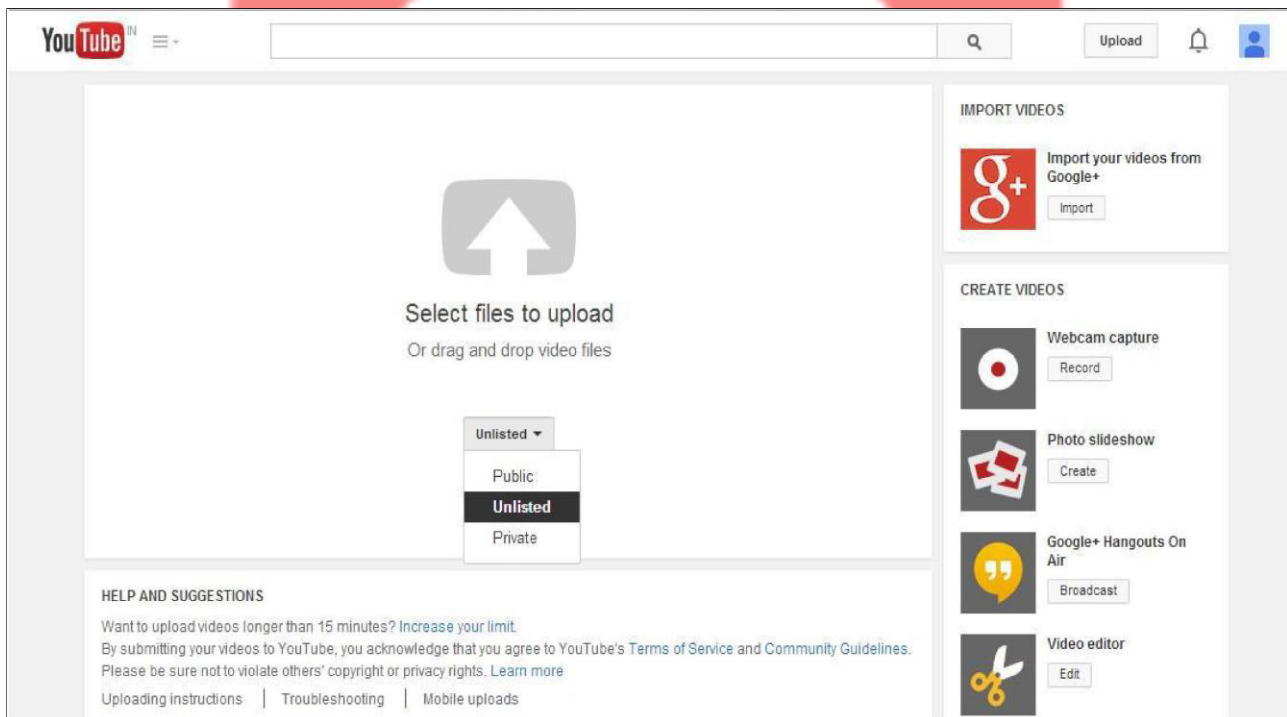


Figure 4: Unlisted video category

- Upload the **Youtube link** of the video uploaded on the eYRC Portal under the space provided on Task 5 page.

Best of Luck!!!