

Task-6 Original Configuration

Configuration Table:

Start	Deposition Zone (D)	Manufacturing Zone (M)	Obstacle	Ramp Obstacle
S2	D1	B11	02,03,04	R1
	D5	B1		

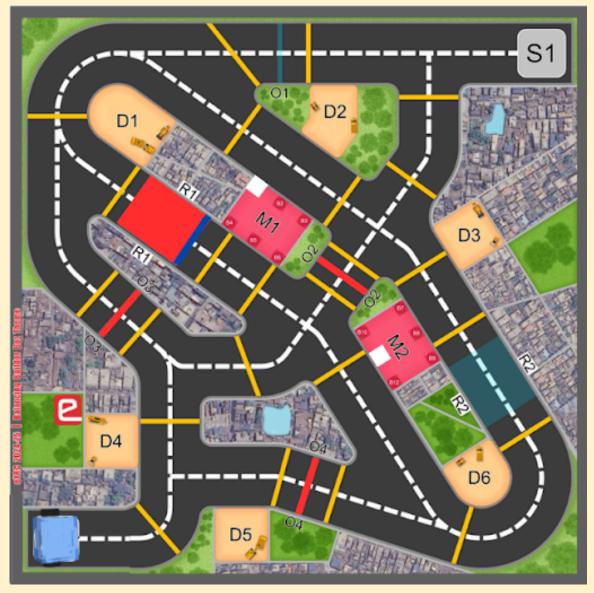


Fig 1: Configuration













e-Yantra Robotics Competition 2024-25

Video Instructions:

- Record a professional video in Landscape Mode.
 - Do NOT upload it as YouTube Shorts or REELS or vertical/PORTRAIT mode videos X
 - Video should be un-cut & un-edited X 🔯 🎌 🗾 🗙

If these rules are not followed → It will be directly discarded as an INVALID submission 🥌

- The frame should record hardware BB bot balancing with only 2 contact points with the ground and performing theme play according to the configuration provided.
- Two separate videos must be recorded:
 - Top View: Ensure the top-down perspective is clear to showcase the overall layout and bot movement.
 - o Side View: Highlight the manipulator's movements and other detailed operations from the side.
 - The video should be recorded in one take using two different cameras at the same time, showing two different views.
- Lighting: Record in a well-lit environment.
- One team member can give a voice-over or narrate the actions performed by the bot during the run.
 - Keep both the cameras static for the entire video duration.
 - The video should be recorded in at least 1080p resolution.

What to record

- Show the Bluetooth app alongside the system in the same frame throughout the video.
- Ensure top-view and side-view perspectives are captured clearly to showcase the task execution. Refer to the sample view this (https://www.youtube.com/watch?v=E19zJEMhzsM) (Same as Task 5).
- Manual interventions are allowed but will incur penalties as per the rulebook. Scoring will follow the same guidelines.













e-Yantra Robotics Competition 2024-25

Submission Instructions:

- After both the videos are created, merge them and name the video (For Task6) eYRC-BB<#TeamID>_Task6_Original/Bonus_Configuration
- For example, for theme BB with team ID 9999, then your video will be titled eYRC-BB#9999_Task6_Original_Configuration for Original Configuration Submission.
- Please ensure that your video is **UNLISTED on YouTube**.

Code Instructions:

- Create a folder named "eYRC-BB<#TeamID>_Task6_Documented_Code" and place the following files in the same folder.
 - .ino code file(s) for bot
- Then compress the folder into .zip format and submit this eYRC-BB<#TeamID>_Task6_Documented_Code.zip file in the Task 6 section on the eYRC portal.

NOTE: Code should be well documented as suggested in all Stage-2 tasks. Remove extra code present for testing or debugging. Mention references if any.









