

Task-6 Bonus Configuration

Configuration Table:

Start	Deposition Zone (D)	Manufacturing Zone (M)	Obstacle	Ramp Obstacle
S1	D2	B5	O1,O2,O4	R1,R2
	D4	B8		
	D6	B2		

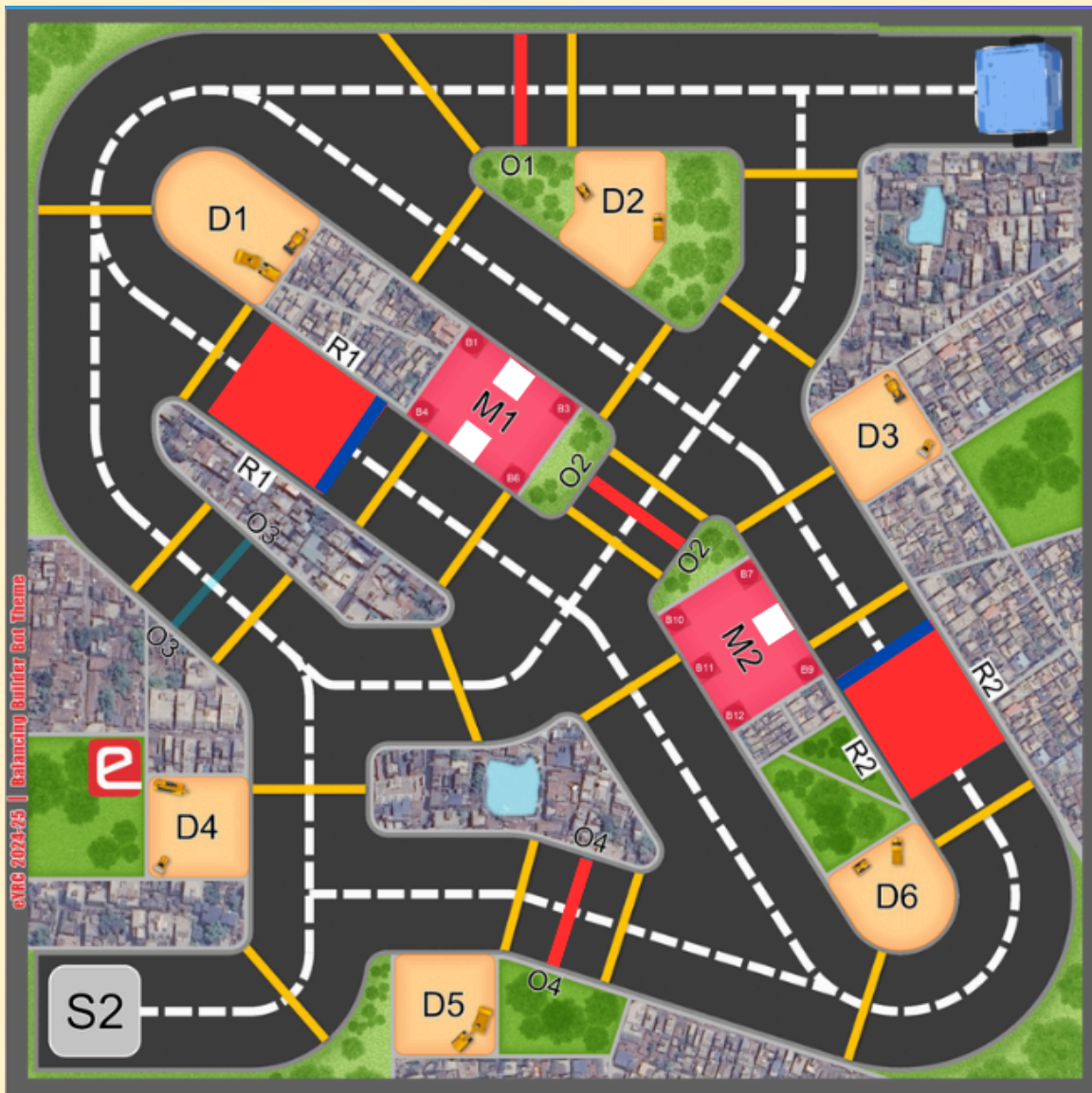










Fig 1: Configuration

Video Instructions:

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

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.
 - 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) (<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.

Submission Instructions:

- After 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_Bonus_Configuration for Bonus 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.