

Track 2: Clean Energy AI-Robo Challenge

Randomisation Chart

Use this chart to understand the possible randomised arrangements for Challenge 1 and Challenge 6. The Judge/Volunteer will perform the randomisation before the match, and the corresponding arrangement will be set up in the designated arena positions.

Challenge 1: Clean Energy from Waste — Randomisation

Randomisation Method - Decision Coin Toss

Before the match, the Judge/Volunteer will conduct a coin toss to determine the Challenge 1 arrangement.



Decision Coin

Elementary	
Coin Result	Arrangement

Junior and Senior	
Coin Result	Arrangement

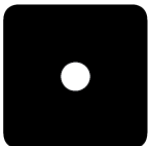
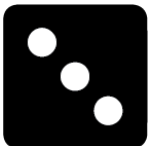
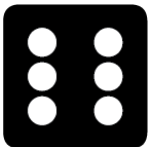
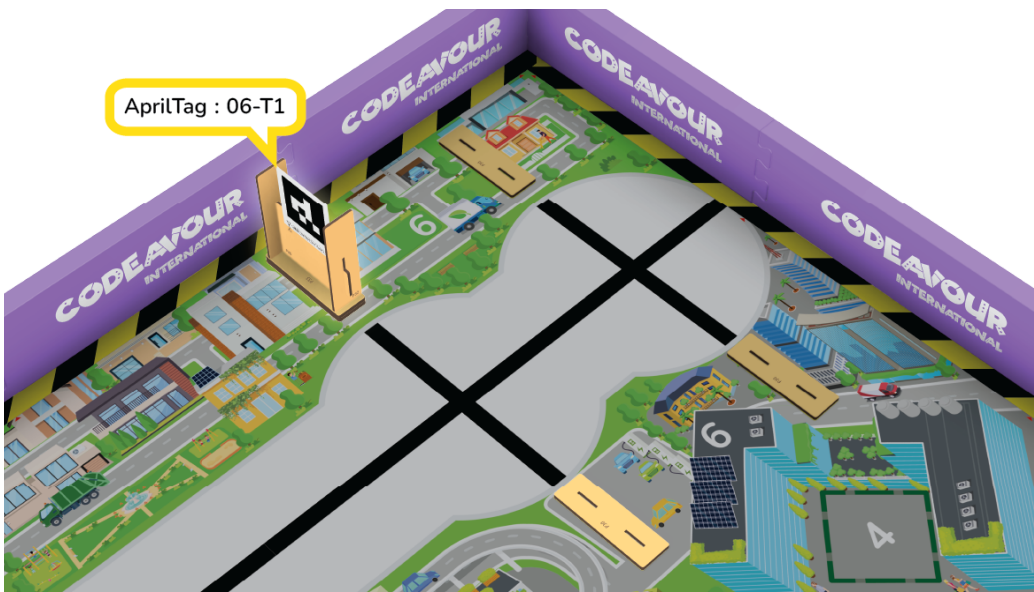
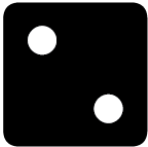
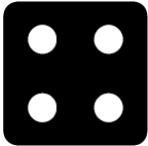
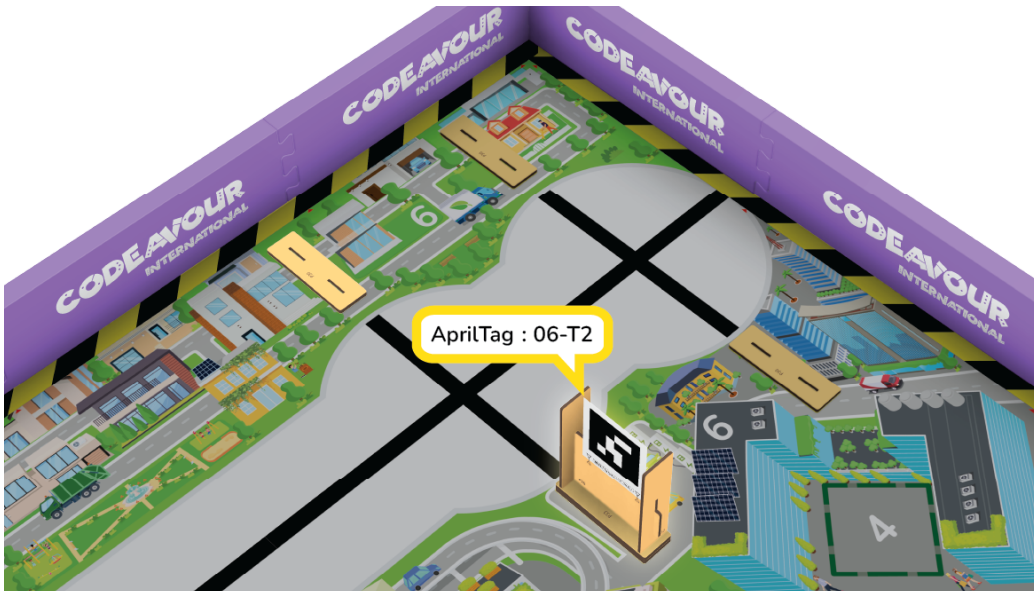
Challenge 6: Efficient Energy Management with Smart Grid — Randomisation

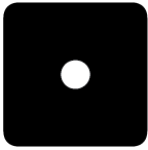
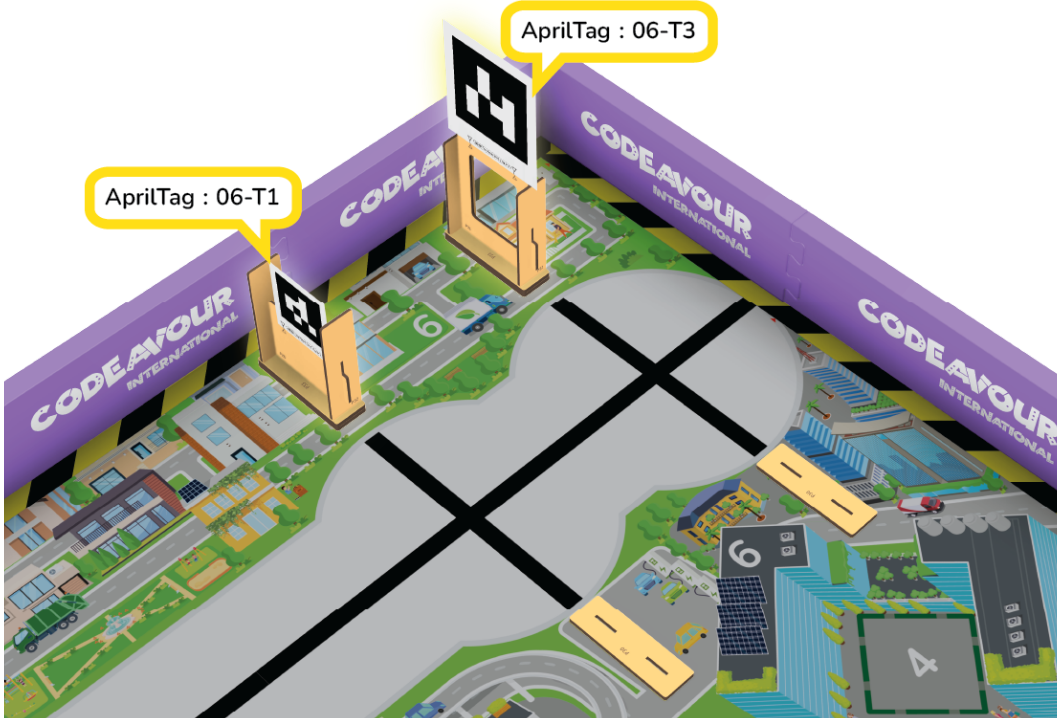
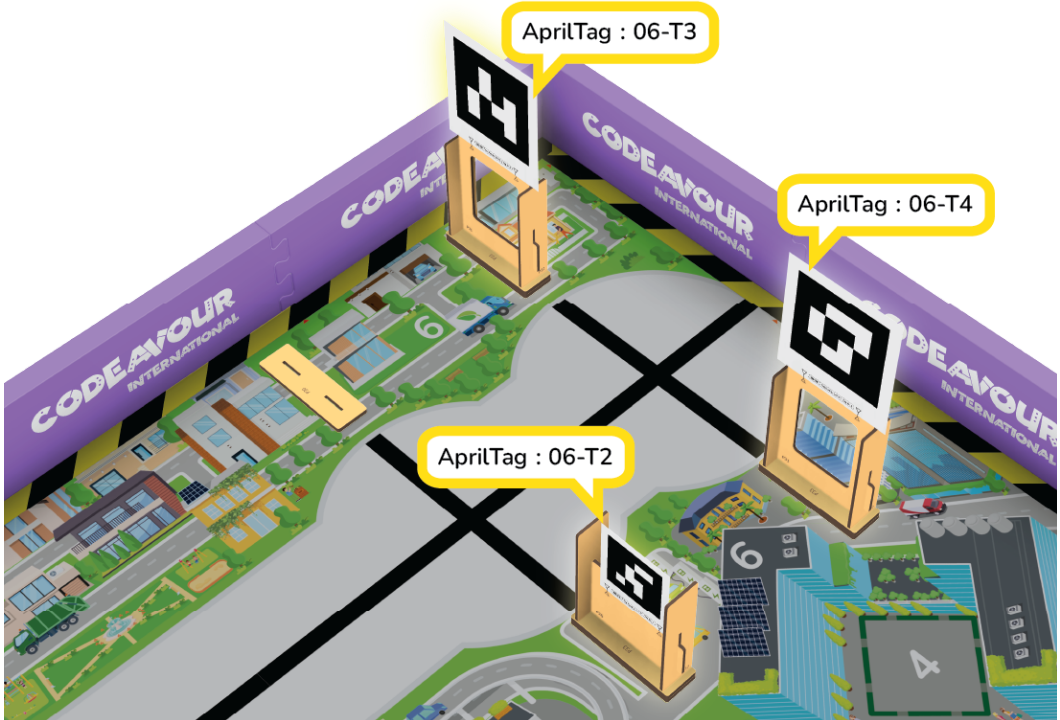
Randomisation Method - Dice Roll

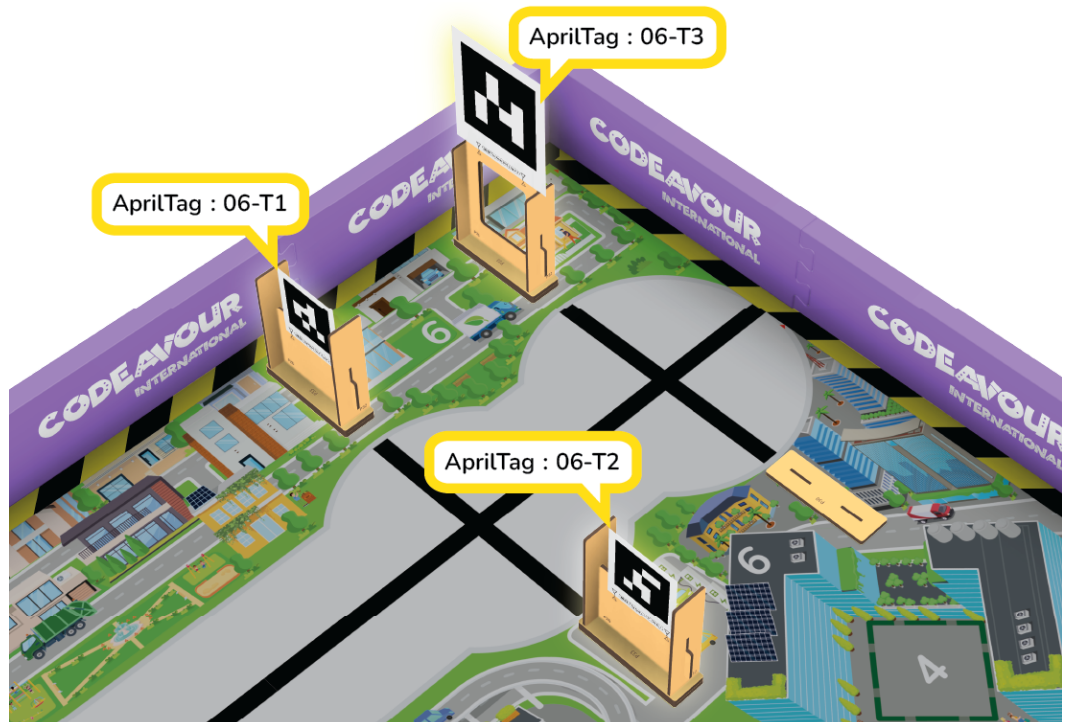
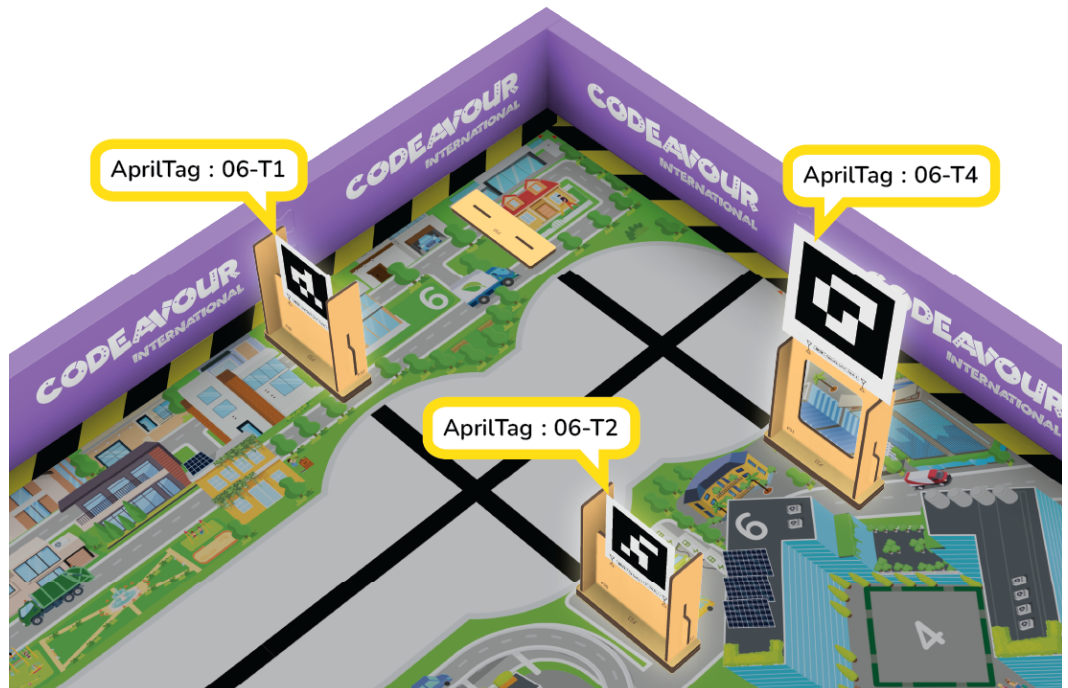
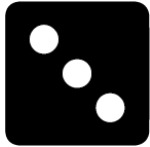
Before the match, the Judge/Volunteer will roll the designated dice. The number obtained will determine the Challenge 6 arrangement.

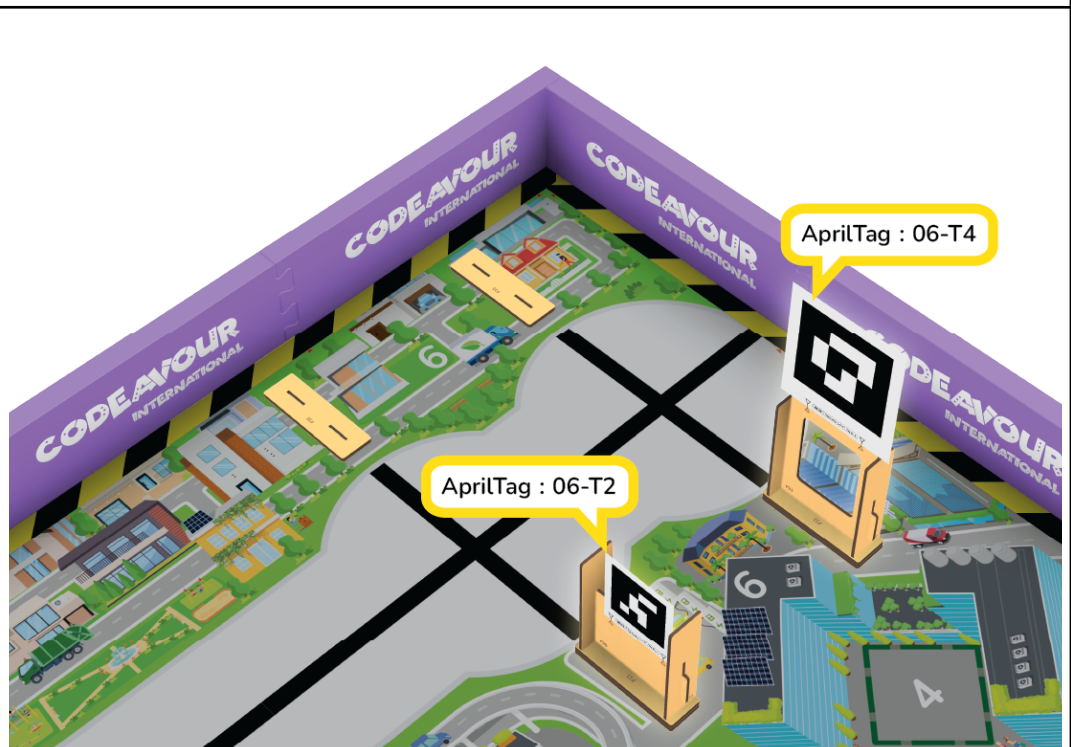
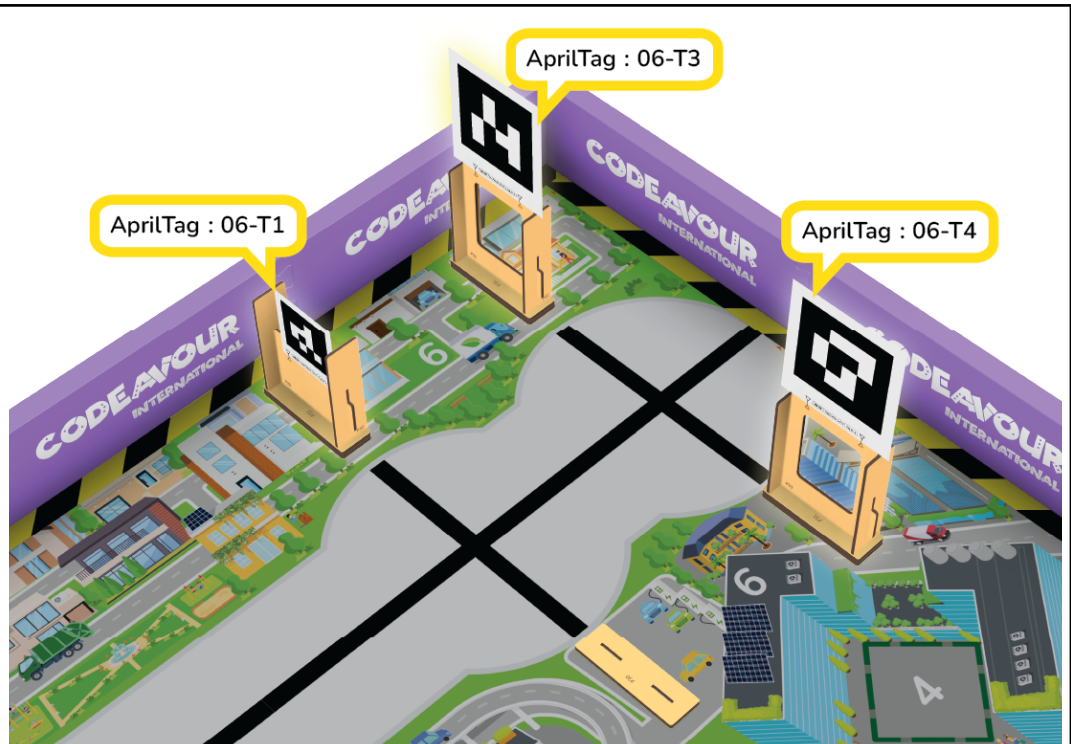
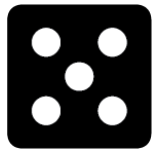


Diece

Elementary	
Die Result	Arrangement
 or  or 	
 or  or 	

Junior and Senior	
Die Result	Arrangement
	
	





Important Instructions

1. The coin toss and dice roll will be conducted by the Judge/Volunteer before the match.
2. The team must have its robot connected and ready at either Home Point before the randomisation process begins.
3. The randomised arrangement will be set up at the designated positions in the arena according to the corresponding chart.
4. The match timer starts only after the required randomisation is completed and the Judge/Volunteer gives the start signal.
5. Teams should use this chart during preparation and practice to familiarise themselves with all possible Challenge 1 and Challenge 6 configurations.
6. The randomisation chart does not replace the individual challenge rules. Teams must follow the challenge-specific scoring, interaction, and completion conditions.

Codeavour 8.0 Track 2 Clean Energy AI-Robo Challenge Randomisation Chart
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