MathWorks Minidrone Workshop at WEEF&GEDC/AEEA 2022
28-30 November 2022

The following is the tentative agenda for the MathWorks Minidrone Workshop to be held at WEEF&GEDC/AEEA 2022. The agenda is subjected to change as the requirement demands from the organizers.

START TIME	END TIME	Day 1 | 28-Nov-2022
08:00	09:00	Conference Registration
		Collection of conference bags
09:00	09:30	Welcome
		Forming teams
09:30	10:30	Releasing problem statement
		Introduction to Basics of Quadcopters
		Understanding Model-Based Design
10:30	*11:00*	*Tea Break*
11:00	12:30	Path Planning and State Machines
		Image Processing and Perception
		Participants to work on hands-on tasks
12:30	*13:30*	*Lunch Break*
13:30	15:00	(Optional) Participants to work on simulations to design an autonomous system
		(Optional) Testing simulation models on multiple simulation tracks
15:00	*15:30*	*Tea Break*
15:30	17:00	Preview of Day 2 and 3
		Hardware deployment workflow
		Day 1 end

START TIME	END TIME	Day 2 | 29-Nov-2022
09:00	09:15	Welcome back and recap Presentation by SPEED
09:15	09:45	Participants work on simulations to design the autonomous system
09:45	10:15	Talk by S-Plane
10:15	11:00	Working with the hardware (5 mins per team)
11:05	*11:30*	*Tea Break*
		Practice Round 1
11:30	11:45	Team 1
11:45	12:00	Team 2
12:00	12:15	Team 3
12:15	12:30	Team 4
12:30	*13:30*	*Lunch Break / SPEED*
		Practice Round 1
13:30	13:45	Team 5
13:45	14:00	Team 6
14:00	14:15	Team 7
14:15	14:30	Team 8
		Practice Round 2
14:30	14:45	Team 1
14:45	15:00	Team 2
15:00	15:15	Team 3
15:15	15:30	Team 4
15:30	*16:00*	*Tea Break*
16:00	16:15	Team 5
16:15	16:30	Team 6
16:30	16:45	Team 7
16:45	17:00	Team 8
		Day End

START TIME	END TIME	Day 3 | 30-Nov-2022
09:00	09:15	Welcome back and recap
09:15	10:00	Working with the hardware (5 mins per team)
		Optional Practice Round 3
10:00	10:15	Team 1
10:15	10:30	Team 2
10:30	10:45	Team 3
10:45	11:00	Team 4
11:00	11:15	Team 5
11:15	11:30	Team 6
11:30	11:45	Team 7
11:45	12:00	Team 8
12:00	*13:00*	*Lunch Break*
		Final Showdown
13:00	13:15	Team 1
13:15	13:30	Team 2
13:30	13:45	Team 3
13:45	14:00	Team 4
14:00	*14:30*	*Tea Break*
14:30	14:45	Team 5
14:45	15:00	Team 6
15:00	15:15	Team 7
15:15	15:30	Team 8
15:30	17:00	Interaction, feedback, and giveaways
		Day End