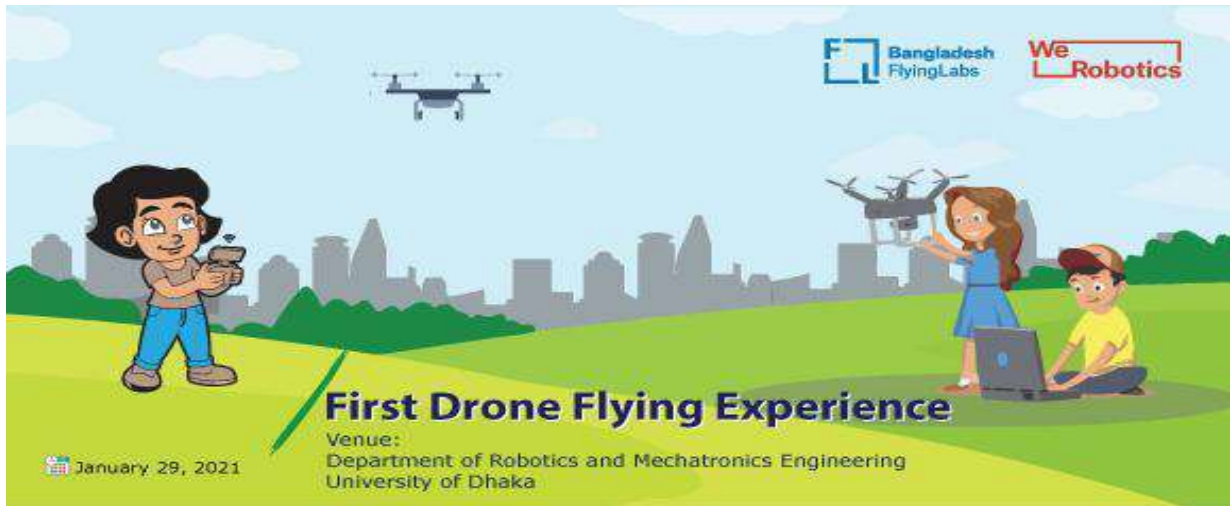


First Drone Flying Experience



Poster used for raising awareness about the program



Images showing participants engaged in the program



A young participant flying one of the drones

OVERVIEW	
Flying Labs	Bangladesh
Location	Dhaka, Bangladesh
Date	29th January, 2021
Length (number of days)	1 day
Sector program (optional)	YouthRobotics

Format	In-Person
Co-organizer if applicable	None
SDGs	GOAL 4: Quality Education GOAL 5: Gender Equality

SCOPE & OUTCOMES	
Type of training	<ol style="list-style-type: none"> 1. Introduction training to drones 2. Youth/STEM training
Goal of the training	<ol style="list-style-type: none"> 1. Create drone awareness 2. Train and empower youth and the workforce of the future 3. Introduce youth to STEM and basic drone mechanism
Expected outcome for participants	<p>By the end of the program, participants were expected to:</p> <ol style="list-style-type: none"> 1. Understand how drones work 2. Know what drones can do in various sectors 3. Learn how drones are made 4. Know different types of drones 5. Be able to fly drone by themselves for a short period of time
Confirmed outcome after training	<p>At the end of the program, participants had learned about the drones functionality and its multiple uses. They had done hands-on training and quickly learned how to operate the drones. They were also able to distinguish between the different types of drones.</p>
Eventual next steps	<p>After this training, Bangladesh Flying Labs (BFL) is inspired to launch STEM training programs on Arduino. BFL will also arrange training programs to make drones using kits and a robotics competition for young learners.</p>

PARTICIPANTS	
Profiles and number of participants	<ol style="list-style-type: none"> 1. School children - 28 students participated in this program, including 12 girls and 16 boys.

	<ol style="list-style-type: none"> 2. Professionals: 7 professional drone pilots, and 2 FPV drone flyers. 3. Staff from Government - Director-General of National Museum of Science and Technology, Bangladesh 4. Others - 5 volunteers and 5 core team members
Name of participants' organizations	28 students from 19 different educational institutes
Gender ratio	Male : Female 4: 3
Who paid for the training?	Free training - Bangladesh Flying Labs

CONTENT	
Training components	30% Theory component - Introduction to drones 70% Practical component - Basic drone flying skills
Training resources used	Eight commercial drones (Mavic Pro 2, Mavic Air 2, Mavic Air 1, Mavic Mini, Spark, Kolibri Hellfire, and FPV Drone) and computers.
Approaches and methods used	<p>We engaged with the kids in discussions by asking questions about their experiences and interaction with drones. Due to Covid, we were not permitted to conduct the session in a closed room. For this reason, we had to arrange the whole session in an open space. Instead of powerpoint presentations, we used drones as props and let kids describe drones and their applications before we trained them on specific topics. Finally, we gave each individual an opportunity to speak out about their aspirations. Participants performed simple flight maneuvers to put their theoretical knowledge into practice.</p>