


NOTE:

- Most of the parts are 3D printed
- Material used is PLA except the servo motor, servo horn and the flap
- Flap material is Neoprene (rubber)
- A total of 40 screws and 4 nuts were used (32 screws to connect motors to the first motor holders, 4 screws and 4 nuts to connect knees to the servo motor horns, & 4 screws to connect motor arm to the second motor holders).
- Top cover connects to the body by self locking mechanism
- 8 waterproof Motors
- Arduino, Wi-Fi module & battery are all enclosed in the body
- Flaps are open to allow flow of water

		DIMENSIONS ARE IN MILLIMETERS & DEGREES TOLERANCES: 180-9001		 EASTERN MEDITERRANEAN UNIVERSITY MECHANICAL ENG. DEPT.
DRAWN BY	LASISI ENIOLA MUHAMMAD	SIGNATURE	DATE	
CHECKED BY	ASST. PROF. DR. QASIM ZEESHAN		07/06/22	TITLE: PROTOTYPE 1
SCALE:	1:5	MATERIAL:	PLA	PART NO. 1