

## RoboFEI Humanoid – 2022 Robot Specification



<b>Name</b>	Bellatrix and Mirzam	
<b>Height</b>	750mm	
<b>Weight</b>	5,5Kg	
<b>Walking Speed</b>	28cm/s	
<b>Degrees Of Freedom</b>	Neck	1DOF
	Arm	6 DOF (3 per arm)
	Leg	12 DOF ( 6 per leg)
<b>Servo Motors (Dynamixel)</b>	Neck	1 XM-430
	Arm	2 MX-106 / 4 MX-64 ( 3 per arm)
	Leg	12 MX-106 (6 per leg)
<b>Sensors</b>	WebCam Logitech C920	
	UM7 Orientation Sensor RSX UM7	
<b>Computing Unit</b>	Intel NUC i7-5500U, 12GB DDR3 SDRAM, 120GB SSD	
<b>System</b>	Linux Ubuntu 20.04	
<b>Battery</b>	LiPo 4s 6600mAh 55C TP6600-4SE55	

## RoboFEI Humanoid – 2022 Robot Specification



<b>Name</b>	Prometheus	
<b>Height</b>	800mm	
<b>Weight</b>	6Kg	
<b>Walking Speed</b>	28cm/s	
<b>Degrees Of Freedom</b>	Neck	1 DOF
	Arm	6 DOF (3 per arm)
	Leg	12 DOF ( 6 per leg)
<b>Servo Motors (Dynamixel)</b>	Neck	1 XM-430
	Arm	6 XM-540 (3 per arm)
	Leg	12 XM-540 (6 per leg)
<b>Sensors</b>	WebCam Logitech C920	
	UM7 Orientation Sensor RSX UM7	
<b>Computing Unit</b>	Intel NUC i7-5500U, 12GB DDR3 SDRAM, 120GB SSD	
<b>System</b>	Linux Ubuntu 20.04	
<b>Battery</b>	LiPo 4s 6600mAh 55C TP6600-4SE55	