

Category	Material	Specifications	Quantity	Price per piece	Price	Availability	Comments
Water Pumping and Control	Lead screw	42cm	1			Manufacturing Lab	
	servo motor	4.2 kg-cm NEMA 17 Stepper Motor	1	695	695	Amazon	Johnson Geared Motor 30 RPM 12v dc gear
	ball bearings	inner dia = dia lead screw	2			Manufacturing Lab	
	Other linkage (rectangle Assembly)		1			Manufacturing Lab	
	2 Motor for drive	Invento 12v 15 Kg-cm 30 rpm DC Side Shaft High Torque Geared Motor Heavy Duty	2	890	1780	Amazon	
	Arduino		1	419	419	Amazon	
	L293D		1	280	280	Amazon	
	Bluetooth module		1	327	327	Amazon	
	IMU		1	280	280	Amazon	
	Switch		1 (pack of 5)	119	119	Amazon	
	Wires		1	189	189	Amazon	
	SMPS (Converts AC to DC)		1				From Electrical Lab
Camera	Cam Module		1	949	949	Amazon	
	L298n		1	240	240	Amazon	
	Dual Axis Pan/Tilt Assembly with servo		1	550	550	Amazon	
Chassis	8 wheels	10cm dia	8	659 for 4wheels and 48inch rubber track	1977	Amazon	is it ok for 3feet robot
	Rubber tracks	124 inch x 2.5 cm	1				
	Metal rods	-				Manufacturing Lab	

	ball bearing	6				Manufacturing Lab	
	Screws nut and bolt	-				Manufacturing Lab	
Safety Budget	miscellaneous cost				2000		
				Total	9805	Without adding Manufacturing Lab's materials cost	