

5.X Bill of Materials

Sr. No.	Label	Part Type	Part Description	Qty/ Set	Unit Price (INR)	Total Price (INR)
1	R1	KY-018 Photoresistor Module	output type analog; pins 3;	1	22	22
2	U1	Humidity and Temperature Sensor DHT11	$\pm 5\%RH$ $\pm 2^{\circ}C$; 20-95%RH; 3.3-5.5V DC;	1	58	58
3	U2	Water Level Sensor	-	1	21	21
4	U3, U4	WeMos D1 Mini	no headers; ESP-8266EX	2	152	304
5	U5, U6	L293D	L293D; package THT	2	21	42
6	U7, U8	Sharp PC817	package THT	2	6.5	13
7	U9	ESP 32 CAM	OV2640 Module 2MP	1	439	439
8	U10	1 channel Relay Module	5V SPDT	1	33	33
9	X1 to X12	USB Connectors	target USB-A;	12	5	60
		Hardware Cost				992

5.X.1 Bill of the Setup

Sr. No.	Components	Qty	Unit Price	Total Price
1	UV light	1	1799	1799
2	Air Pump	1	499	499
3	Water Pump	1	90	90
4	Fan	1	240	240
5	Hydroponic Starter Kit	2	1599	3198
	Setup Cost			5826
	Total Cost			6818

