

16) Bill of Material (BoM) Sample:

S. No.	Name of the component (as mentioned in the schematic)	Description	Manufacturer Part Number	Manufacturer	Quantity	Unit cost (in INR)	Total Cost (in INR)
1	U1	ESP32C3	XIAO-ESP32C3	Seed Studio	1	Rs. 437	Rs.437
2	U2	LDO	TLV75533PDBVR	Texas Instruments	1	Rs.40	Rs.40
3	U3	Heart Rate Sensor	MAX30102		1	Rs.214	Rs.214
4	U4	3-axis gyro/ Accelerometer IC	MPU6050		1	Rs.223	Rs.223
5	J1	ZIF connector For Display	2-1734592-6	TE Connectivity	1	Rs.135	Rs.135
6	C1	SMD Multilayer Ceramic Capacitor, 220 pF, 50 V, 0402 [1005 Metric], $\pm 10\%$, X7R	GRT155R71H221KE01D	Murata	1	Rs.1.8	Rs.1.8
7	C2,C3,C4	SMD Multilayer Ceramic Capacitor, 0.1 μ F, 50 V, 0402 [1005 Metric], $\pm 10\%$, X7S	GRM155C71H104KE19D	Murata	3	Rs. 8.34	Rs.25.02
8	C5	SMD Multilayer Ceramic Capacitor, 10 μ F, 16 V, 0603 [1608 Metric], $\pm 20\%$, X6S	GRT188C81C106ME13D	Murata	1	Rs.16.70 (min 10)	Rs.16.70

9	C6,C7	SMD Multilayer Ceramic Capacitor, 1 μ F, 6.3 V, 0402 [1005 Metric], \pm 20%, X5R	GRM153R60J105ME15D	Murata	2	Rs.3.38 (min10)	Rs.3.38
10	R1,R2,R3,R5	4.7 K	CRCW08054K70JNEA	VISHAY	4	Rs. 2.33	Rs.9.32
11	R4	15	RK73H1ETTP15R0F	KOA	1	Rs.1.200 (10 min)	Rs.1.200
						Grand Total:	Rs.1106.42