

BUDGET

SN	DESCRIPTION OF ITEM	PROPOSED COST (N)	Breakdown(N)
1	Personne Costs/Allowances (12 months)	6,000,000	
1.1	Principal Researcher		1,440,000
1.2	Team Memebers x 8		4,560,000
2	Equipment (Production of 100 attendance systems)	9,131,951	
2.1	HP Probook 440 G10 13th Gen - Intel Core i7 - 16GB RAM - 512GB SSD - Backlit Keyboard Fp - Wins 11 Pro x 5pcs @N1,413,360 each		7,066,800
2.2	arduino 2.x		201,600
2.3	IntelliJ IDEA and NetBeans @\$16.90/month, \$202.80/year		304,200
2.4	FlutLab.io @ \$29.25. per month, \$351/year		526,500
2.5	draw.io @\$5/month, \$60/year		90,000
2.6	SAP2000 @\$510		765,000
2.7	BrowserStack @\$12.50/month, \$150/year		225,000
2.8	KiCAD and autodesk EAGLE @\$545		817,500
2.9	automatic super high speed sticker labelling		6,890,651
3	Supplies and Consumables (production of 100 attendance system)	163,199,162.40	
3.1	RFID reader (zebra fx9600 long range)100pcs with extra 20 @ 1,250,097		150,011,640
3.2	RFID tags (wrist bands) @2500 for 1000pcs		2,500,000
3.3	IP cameras @72,000, 100 pcs		7,200,000
3.4	12V Power Supply Adapter @3650 , 100PCS, 20 EXTRA		438,000
3.5	Arduino Nano Microtroller @7500, 100PCS, 10 EXTRA		823,000
3.6	16x2 LCD Display Module @6,053, 100PCS, 10 EXTRA		665,830
3.7	BC337 NPN Junction Transistor @150,100PCS, 10 EXTRA		16,500
3.8	10K Resistor @20, 100PCS, 50 EXTRA		3,000
3.9	330ohms Resistor@20, 100 PCS , 50 EXTRA		3000
3.10	Laser Diode @400, 100 PCS, 20 EXTRA		48,000
3.11	10K Potentiometer @ 150, 100PCS, 20 EXTRA		18,000
3.12	1K Resistor @20, 100PCS, 50 EXTRA		3,000
3.13	100nF Capacitor @36.77, 100PCS, 20 EXTRA		4412.40
3.14	Push Button Switch @550, 100, 10 EXTRA		60,500
3.15	Male and Female Header Connectors @1,809, 100 EACH		361,800
3.16	Soldering Wire (Solder Lead) @6,531, 10PCS		65,310
3.17	ULN2003 Darlington Transistor Array@5809, 100PCS, 10EXTRA		638,990
3.18	12V Electromechanical Relay @ 550, 100PCS, 10 EXTRA		60,500
	Connecting Wires @7706, 10 ROLLS		77,060
	Red LEDs (Light Emitting Diodes)@20, 200 PCS		4,000
	Printed Circuit Board (PCB) @1500, 100PCS		150,000
	Flexible Electrical Wire (Flex Wire) @4662, 10 ROLLS		46,620

5	Travels and Accommodation	3,577,020	
5.1	Travels /logistics		2,300,000
5.2	Hotel		1,277,020
6	Dissemination	886,435	
6.1	Presentation / publication of findings in Conferences, Workshops, Seminars and Academic / Industry Journals		886,435
	Total Direct Cost	181,908,133.40	
8	Indirect Cost	886,435	
	Grand Total	182,794,568.40	182,794,568.40