



COIMBATORE INSTITUTE OF TECHNOLOGY

DEPARTMENT OF ECE

IoT Centre

[www.citeceiot.in]

<https://www.youtube.com/channel/UCoLEU2SwqiDXtI3sYR6Sa1Q/videos>

MAJOR EQUIPMENT LIST

S.No.	NAME OF THE EQUIPMENT	QTY.	COST (Rs)
1.	Digital storage oscilloscope	1	51,054.00
2.	Single output DC power supply	1	38,041.00
3.	Embedded control unit with wireless interface for smart switch board	20	16,000.00
4.	Microchip Wi-Fi module and GPRS / 4G based streaming unit for cloud connectivity based IoT node	5	12,400.00
5.	Single board computer based control panel with TFT Screen, touch screen, Wi-Fi and BLE	1	7,000.00
6.	MCU based power driver with zero cross detector	4	8,400.00
7.	Intel edison kit for Arduino	2	25,488.00
8.	ESP32 based node MCU	5	3,245.00
9.	ECG, EMG, Galvanic skin response sensor	3	29,128.00
10.	RFID based electronic access control unit with electric door lock with 100 cards and associated software	1	12,000.00
11.	OMRON D6T MEMS based people counting system	1	8,000.00
12.	IoT enabled HVAC monitoring sensors setup	6	10,800.00
13.	Current sensor based control unit 4 in 1	20	12,000.00
14.	Actuator unit 4 in 1 for smart switch board and 1 in 1 for AC units/high wattage devices	23	30,000.00
15.	Raspberry Pi 3 full kit with camera and 3.5 inch touch screen	19	78,824.00
16.	LoRa long range embedded wireless communications starter kit with sensors	2	42,480.00
17.	ARM CORTEX A53 embedded IoT trainer kit with sensors	2	54,280.00
18.	Arduino UNO R3, mega and nano CH340 board with its top boards	11	26,078.00
19.	XBEE, Bluetooth, GSM module, GPS module	26	26,952.50
20.	Desktop computer	12	321,000.00
21.	ESP8266 based node MCU with development board for ON board connectors for LCD, BT, SD card and sensors	32	20060.00
22.	Soldering station	1	11682.00
23.	Sensor modules: ultrasonic sensor HC-SR-04, accelerometer, soil moisture sensor, water level detector, LDR, DHT11, PIR sensor and sensor packages with 37 sensor kit	36	16343.00
SEED MONEY FUNDING EQUIPMENT			
1.	Sensor modules: MQ135, IR sensor, MS-1100 VOC gas sensor, dust sensor module	17	8892.00
2.	Arduino mega 2560 with Wi-Fi module	2	2950.00
3.	Air conditioning and ventilation system and its accessories	1	101,382.00
TOTAL COST			Rs.9,74,479.50