

## **IOT LABORATORY**

Laboratory In-charge: Dr.T.Avudaiyappan

Technical supporting staff: Mr.P.Manikandan



Area of the laboratory:9.45x13.20m

Major Equipment: 72-SYSTEMS,

### **MAJOR EQUIPMENTS:**

<b>SL. NO</b>	<b>NAME OF THE EQUIPMENT</b>	<b>UNIT PRICE (RS.)</b>
1	BSP PACKAGE	1,20,000
2	RASPBERRY PI 3 SETUP	75,000
3	ARDIUNO BOARDS + WI500 ETHERNET SHIELD	24,750
4	WIFI MODULES	12,500
5	LOAD CELLS WITH AMPLIFIER	12,250

**MINOR EQUIPMENTS:**

<b>SL. NO</b>	<b>NAME OF THE EQUIPMENT</b>	<b>UNIT PRICE (RS.)</b>
1	CMOS CAMERA	25,000
2	MCP3008 BOARDS + SERIAL BOARDS	2,000
3	GYROSCOPES	4,800
4	ACCELEROMETERS	4,750
5	BLE TRANSCEIVERS	5,000

**SPECIAL EQUIPMENTS:**

<b>SL. NO</b>	<b>Package Details</b>	<b>Qty</b>	<b>Price</b>	<b>Total</b>
1	ECG/EMG SENSORS	5	3,000.00	15,000
2	TEMP SENSORS	5	70	350
3	OBJECT - DETECTION - SENSORS	5	300	1,500
4	RGB COLOR SENSORS	5	450	2,250
5	PH SENSORS + MOISTURE SENSORS	5	1500	7,500
6	FLOW SENSORS	5	200	1,000
7	RFID TAGS AND SENSORS	5	1,000.00	5,000
8	PULSE SENSORS	5	200	1,000
9	TOUCH SENSORS	5	4,00.00	2,000

**SPECIAL SOFTWARES AVAILABLE:**

<b>Sl. No</b>	<b>Name of the Equipment</b>
1	ARGO UML
2	ORACLE 11G
3	R STUDIO
4	JUPITER NOTEBOOK

**LABS CONDUCTED**

OBJECT ORIENTED ANALYSIS AND DESIGN LAB

COMPUTER NETWORKS LAB

INTERNET PROGRAMMING LAB