



INSTITUTE OF AERONAUTICAL ENGINEERING

(Autonomous)

Dundigal - 500 043, Hyderabad, Telangana

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

EQUIPMENTS AND SOFTWARES DETAILS OF LABORATORIES

S. No	Name of the Laboratory	Details		Invoice Date	Cost (Rs)
1	Embedded Systems Laboratory	Hardware and Software Equipment	Application software: • Flash Magic tool • Keil u4 vision	27 - 08 - 2015	13,41,141
			Interfacing Devices: • ARM9 Development Kit • ARM cortex M3 Development Kit With interfacing cards		
			Proteus VSM simulation software	10 - 08 - 2018	15,34,590
2	Microcontrollers and Programmable Digital Signal Processors Laboratory	Hardware and Software Equipment	MATLAB software with tool boxes	24 - 07 - 2015	13,80,157
3	Internet of Things (IoT) Laboratory	Hardware and Software Equipment	Application software: • Python software (open source) • Arduino Boards • True-IoT with sensors pack and AWS cloud Platform along with supported accessories	26 - 05 - 2023	03,50,010
4	Data Acquisition and Analysis LAB using NI LabView	Hardware and Software Equipment	• MyRIO Hardware Bundle • MyDAQ Hardware Bundle • USRP Hardware Bundle	06 - 07 - 2016	29,03,545
			ELVIS-II and ELVIS-III	02 - 02 - 2019	14,58,639
			PCB Machine with standard starter kit	05 - 12 - 2016	11,39,400
5	Low Power VLSI Laboratory	Hardware and Software Equipment	CADENCE standard bundle analog and digital FE&BE Software	30 - 09 - 2021	09,00,000
6	Digital System Design Laboratory	Hardware and Software Equipment	Vivado Xilinx Software with Zybo FPGA Boards	27 - 08 - 2018	09,60,520
			Zed Development FPGA Boards	24 - 10 - 2019	05,16,005
			NI Analog Discovery kits with Multisim software	06 - 07 - 2016	10,66,246
7	Analog and Digital Communications Laboratory	Hardware and Software Equipment	Moku Go (Moku Go Hardware, Two Oscilloscope probes, DIO)	18 - 10 - 2023	11,40,000
8	Antenna and Microwave Engineering Laboratory	Hardware and Software Equipment	Ansys Academic HF software	23-12 -2020	05,25,000
				Grand Total (in Rs.)	1,52,15,253



L. Srinivas
PRINCIPAL
 INSTITUTE OF AERONAUTICAL ENGINEERING
 Dundigal, Hyderabad - 500 043
 Telangana State

Head of the Department
HOD, ECE
 ELECTRONICS AND COMMUNICATION ENGINEERING
 INSTITUTE OF AERONAUTICAL ENGINEERING
 Dundigal, Hyderabad - 500 043