



EASWARI ENGINEERING COLLEGE

(An Autonomous Institution)

Bharathi Salai, Ramapuram, Chennai - 600 009

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING



S.No	Name of the Laboratory	No. of students per setup (Batch Size)	Name of the Important equipment	Name of the Lab Incharge	Technical Manpower support		
					Name of the technical staff	Designation	Qualification
1.	Analog Circuits Lab/Embedded systems Lab	30	Cathode Ray Oscilloscope, Audio Signal Generator, Mixed signal oscilloscope, Digital signal oscilloscope	Mrs.K. Abirami	Ms. S. Rekha	Lab Assistant	BSc (Computer Science)
2.	Microprocessor and Microcontroller Lab	30	Microprocessor Trainer kit Microcontroller Trainer Kit, Interfacing Kits – ADC, DAC, Parallel communication Interface, Keyboard Display interface, Stepper Motor, Traffic Light controller, (compatible with 8086 & 8051), Cathode Ray Oscilloscope	Mrs.S.Uma Maheswari	Mr.K.Aruljothi	Lab Assistant	ITI
3.	Digital Signal Processing Lab	30	Cathode Ray Oscilloscope, Audio Signal Generator, Pentium	Dr. D.C. Diana	Mr.V.Krishna Subramanian	Lab Assistant	BE - ECE

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			Computers, TMS320C674 8 DSP Kits, Black Fin Processor, ADSP21 81 Processor				
4.	Communication Systems Lab	30	AM, FM, TDM-PAM, TDM PCM, Transmitter and Receiver kits; PWM-PAM-PPM, Sampling and reconstruction trainer and Data Formatting Line Coding – ASK, FSK, Hyper Lynx 3D EM Super Structure Designer (Perpetual license) – Windows floating, EM Structure Simulation and Modeling tool (5 user license) 1 – 1000 MHz Scalar Network Analyzer and 500 MHz Spectrum analyzer	Dr.S.Saranya	Ms. S.Rekha	Lab Assistant	BSc (Computer Science)
5.	Digital Circuits Lab	30	Digital Trainer Kit, CRO,	Mrs.AT. Madhavi	Mr. V. Krishna	Lab Assistant	B.E. (ECE)

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			DSO, Power Supply, Trainer Kit, Function Generator (1 MHz, 3 MHz, 10 MHz),		Subramanian		
6.	Optical and Microwave Lab	30	Bench Setup Klystron Microwave Kit, Gunn Power Supply, Gunn Oscillator, Gunn diode, Klystron Power supply (analog and digital), Characteristics of Single Mode Fiber Kit and Analog/Digital Transmitter/Receiver Trainer Kit	Ms.K.Surya	Mr. P.Vasudevan	Lab Assistant	DEEE
7.	Centre of Excellence (Texas Instruments Innovation Centre)	10	Advance Robotics System Lab Kit, MSP432P401R, MSP430F5529	Dr.S.Sudha / Dr.S.R. Sriram	Mr.P.Vasudevan	Lab Assistant	DEEE
8.	VLSI Lab	30	Intel (Altera) FPGA Development Board CYCLONE II Family Kit, Xilinx Kit,	Dr.D. Jessintha	Mr.Arul jothi	Lab Assistant	ITI

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			Vertex II Pro Development Board,				

Lab Photos:



Analog Circuits Lab/Embedded System Lab



Microprocessor and Microcontroller Lab



Communication System Lab



Digital Circuits Lab



Digital signal processing Lab



VLSI Design Lab



Optical and Microwave Lab



Centre of Excellence

Laboratory System Specification

Dept	Available Configuration (Processor, RAM, HDD)	DELL	HCL	Wipro	Lenova / HP New	Total
ECE	Intel® core i5-6500 CPU @ 3.20GHz, 4 GB 500 GB		16	8		124
	Optiplex5090-i7 11th Gen, 16GB DDR4 Ram, 1TB HDD	51				
	Lenova V 50S Desktop - i5 10th Gen 8GB DDR4, 1TB HDD				10	
	Lenova Desktop Think Centre:i7 (12th Gen), 16GB Ram- DDR4, 1TB HDD				39	