COIMBATORE INSTITUTE OF TECHNOLOGY, COIMBATORE-641014
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
WINTER INTERNSHIP 2025
On
"Smart Systems and Emerging Technologies"
20.11.2025 - 29.11.2025
SESSION DETAILS

DATE	DAY	TIMINGS			2.00 pm – 3.00 pm	3.00 pm - 4.00 pm
		10.00 am – 11.00 am	11.15am - 12.30 pm		2.00 pm – 3.00 pm	3.00 pm - 4.00 pm
20.11.2025	Thursday	**Topic: LTspice-Based Simulation and analysis of Analog circuits and Real-Time Electronic Systems**			**Topic: Digital system Design**	
		Dr.K.M.Priya Assistant Professor Department of ECE, CIT	Ms.V.Sowmya Assistant Professor Department of ECE, CIT		Ms.R.Kalaivani Assistant Professor Department of ECE, CIT	
21.11.2025	Friday	**Topic: Hands-on with ESP 8266 and Arduino: Building Smart IoT applications**			**Topic: FPGA based system design using Verilog/VHDL (ECE)**	
		Ms.S.Dhanalakshmi Assistant Professor Department of ECE, CIT	**Ms.R.Nithyalakshmi** Assistant Professor Department of ECE, CIT		**Dr.K.Harini** Assistant Professor Department of ECE, CIT	**Ms.R.Nithyalakshmi** Assistant Professor Department of ECE, CIT
					Topic: Machine Learning Models Using Python (CSE/IT/EEE) **Dr.P.Aruna** Assistant Professor M.Sc. Software Systems, CIT	

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		10.00 am – 11.00 am	11.15am - 12.30 pm		2.00 pm – 3.00 pm	3.00 pm - 4.00 pm
22.11.2025	Saturday	**Topic: Mixed Signal Front End Design for Intelligent Smart Systems**			**Topic: Mixed Signal Front End Design for Intelligent Smart Systems**	
		Dr.G.Puvaneswari, Associate Professor, Department of ECE,CIT			**Dr.G.Puvaneswari,** Associate Professor, Department of ECE,CIT	**Dr.N.Deepa,** Assistant Professor, ECE,CIT
24.11.2025	Monday	**Topic: Communication System Modeling in LabVIEW & Network Info Lite App**			**Topic: Communication System Design Using LabVIEW**	
		Dr.I.S.Akila Associate Professor Department of ECE, CIT			**Dr.M.Ramya** Assistant Professor Department of ECE, CIT	
25.11.2025	Tuesday	**Topic: Introduction to IoT and Cloud Computing**			**Topic: Fourier transform, FIR & IIR Filter, Image Processing**	
		Dr.P.Muthu Subramanian Associate Professor Department of ECE, CIT			**Dr.T.Balakumaran** Assistant Professor, Department of ECE, CIT	
26.11.2025	Wednesday	**Topic: Embedded C Programming using Keil & Proteus Simulator**			**Topic: Energy Harvesting Antenna for IoT Nodes**	
		Dr.M.Poongothai Professor & Head Department of ECE, CIT			**Ms.T.Yathavi** Assistant Professor, Department of ECE, CIT	**Ms.M.Abitha Thangam** Assistant Professor, Department of ECE, CIT

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		10.00 am – 11.00 am	**11.15am - 12.30 pm**		**2.00 pm – 3.00 pm**	**3.00 pm - 4.00 pm**
26.11.2025	Wednesday				**Topic : Full Stack Application Development (CSE/IT/EEE)** **Dr.A.Saravanan** Associate Professor M.Sc. Software Systems, CIT	
27.11.2025	Thursday	**Topic: MQTT Protocol Programming Using HIVEMQ Broker**			**Topic: Implementation of Signal and Image processing algorithms using Scilab / Python**	
		Dr.M.Poongothai Professor & Head Department of ECE, CIT			**Dr.B.Bhuvaneshwari** Assistant Professor Department of ECE, CIT	**Ms.V.Gowri Priyaa** Assistant Professor Department of ECE, CIT
28.11.2025	Friday	**Topic: Channel Characterization and Modeling of Free Space Optical Links for Reliable Data Transmission using Optisystem**			**Topic: Processing Real Time Signals using Labview**	
		Ms.C.Subha Priyadharshini Assistant Professor Department of ECE, CIT			**Ms.D.Diana Josephine** Assistant Professor Department of ECE, CIT	**Ms.G.B.Dheepika** Assistant Professors Department of ECE, CIT
		Topic: Data Analytics (CSE/IT/EEE)				
		Intern Report Submission			**Feedback**	