

SHORT TERM COURSES CONDUCTED 2021- March 2024

Sr. No.	Course Title
1.	Digital and Analog VLSI Design
2.	Image and Embedded Processing
3.	5G and Beyond
4.	System Designing with Embedded Processors
5.	AI and Soft Computing Algorithms for Antenna Design
6.	Low Power VLSI Design
7.	Digital Signal Processing using MATLAB
8.	Digital Media Tools for Effective Teaching Learning
9.	Artificial Intelligent for Engineering Applications
10.	IoTs and Sensor Networks
11.	Specification to System Development
12.	ECE lab Practices for Polytechnic Teachers
13.	MATLAB & its Applications
14.	Industry Oriented STC on VLSI Design Tools
15.	Internet of Things (IoT) and its Applications
16.	Nanoelectronics Devices and Circuits Design
17.	Image and Embedded Processing
18.	Applications of Embedded Systems
19.	Neural Networks and Deep Learning
20.	Emerging Wireless Communication Technologies
21.	ECE Lab Practices for Polytechnic Teachers
22.	Digital Marketing
23.	Image Processing using MATLAB
24.	Digital Filter Design with MATLAB
25.	5G & Beyond
26.	Engineering Applications of Artificial Intelligence and Machine Learning
27.	Flexible and Wearable Antennas for Next Generation Applications
28.	Natural Language Processing
29.	Artificial Neural Networks
30.	Basic of MATLAB Programming
31.	Biomedical Image and Signal Processing
32.	VLSI Physical Design Techniques
33.	ECE Virtual Lab Practices using Free Online Simulations
34.	Embedded systems and IoTs
35.	Recent Technologies for Mobile Broadband Transformation
36.	Python programming & IoT Applications
37.	Antenna & Wireless Communication Technologies for IoT
38.	Nano-electronic: Materials, Devices and Circuits
39.	NBA Accreditation and Examination Reforms
40.	Research Trends in Wireless Sensor Network
41.	Latest Wireless & Communication Technologies
42.	Arduino Based System Design using Tinker CAD Free Simulator

43.	Basic MATLAB Programming
44.	VLSI Physical Design
45.	5G Communication & its Application
46.	Digital and Embedded System
47.	5G and IoT
48.	Image Processing using MATLAB
49.	Basics of Embedded Systems
50.	Antenna Design using Soft Computing Algorithms
51.	Challenges and Opportunities in VLSI Design
52.	Free Simulators for ECE Lab Practices (Module-I)
53.	Nanoelectronic Devices and Circuits Design
54.	Advanced Embedded Systems
55.	Digital Signal Processing using MATLAB
56.	VLSI Devices and Circuits for AI Applications
57.	Free Simulators for ECE Lab Practices (Module-II)
58.	Specifications to System Design
59.	Smart Materials and Nanotechnology
60.	System Designing with Controllers
61.	Antenna Design Technique & Tools
62.	Applications of AI in Electronics Design
63.	Soft Computing Techniques
64.	Recent trends in Embedded systems and IoTs
65.	IoT and Sensor Networks
66.	Soft Computing Algorithms: Basic and Applications
67.	Emerging Antenna and Wireless Technologies
68.	IoT and its Application
69.	FPGA based System Designing- A practical approach
70.	ECE Lab Practices using Multisim Live Online Simulator
71.	IoT and Embedded Systems
72.	5G and Beyond
73.	Networked Embedded Systems
74.	Arduino based system design using Tinker CAD Free Simulator
75.	Free Simulators for ECE Lab Practices

SHORT TERM COURSES CONDUCTED April 2024- October 2025

Sr.No.	Course Title
1.	Advancements in Antenna and Wireless Technologies
2.	Wireless Embedded Systems
3.	VLSI Design using CADENCE Tools
4.	Communication Technologies: Connectivity Evolutions
5.	Recent Advances in on-Chip optics
6.	Scilab Programming for Emerging Areas Applications
7.	IoT Advancements in Emerging Technologies
8.	IoT Enabled Embedded Systems
9.	5G and its Use Cases

10.	Smart System Integration with Wireless Sensors
11.	Service and Maintenance of Electronics Equipment
12.	Digital Twinning
13.	Microstrip Patch Antenna Design Techniques and Tools
14.	VLSI Design and FPGA Implementation using XILINX Tools
15.	Mechatronics System Design
16.	IoT and Embedded Systems
17.	Electronics Lab Essentials: Comprehensive Equipment Operation
18.	AI for Engineering Applications
19.	Drone Technologies Opportunities and Regulations
20.	AI for SDG under Unnat Bharat Abhiyaan
21.	VLSI Design and FPGA Implementation using XILINX Tools
22.	Free ICT Tools for Effective Teaching-Learning
23.	Wireless Communication and Technologies using NETSIM
24.	Digital Twinning of Material Processing Technologies
25.	Teaching ECE Lab subjects using Free Simulators
26.	Self-Configured Sensor Network and its applications
27.	Next-Generation Wireless Networks
28.	Internet of Things-Design Concepts and Use Cases
29.	Drone Assembly, Fundamentals and Applications
30.	AI Applications in VLSI Design
31.	5G and Beyond
32.	AI Application in Agriculture
33.	ICT Tools for Effective Teaching Learnings
34.	Scilab Programming for Emerging Engg. Applications