Tentative UG Course Offering Schedule for the Year 2025-26
(subject to change)

Fall 2025-26

Course Code	Course Title	Course Code	Course Title
ELEC1010	Electronic and Information Technology	ELEC3500	Integrated Circuit Devices
ELEC1100	Introduction to Electro-Robot Design	ELEC3810	Data Science for Neural Engineering
ELEC1150	Information Technology Revolution: Past, Present and Future	ELEC4010T	Business for Electronic Engineers
ELEC1200	A System View of Communications: from Signals to Packets	ELEC4010U	TBC
ELEC2100	Signals and Systems	ELEC4110	Digital Communications and Wireless Systems
ELEC2350	Introduction to Computer Organization and Design	ELEC4220	Robotics: Modeling, Control and Planning
ELEC2400	Electronic Circuits	ELEC4240	Deep Learning in Computer Vision
ELEC2600	Probability and Random Processes in Engineering	ELEC4320	FPGA-based Design: From Theory to Practice
ELEC3120	Computer Communication Networks	ELEC4420	Analogue Integrated Circuits Design and Analysis
ELEC3200	System Modeling, Analysis and Control	ELEC4450	Practical Considerations of Analog Integrated Circuit Design
ELEC3300	Introduction to Embedded Systems	ELEC4510	Semiconductor Materials and Devices
ELEC3310	Digital Fundamentals and System Design	ELEC4620	Photonics and Optical Communications
ELEC3400	Introduction to Integrated Circuits and Systems	ELEC4810	Introduction to Biosensors and Bioinstrumentation
ELEC3410	CMOS VLSI Design	ELEC4820	Medical Imaging

Tentative UG Course Offering Schedule for the Year 2025-26
(subject to change)

Spring 2025-26			
Course Code	**Course Title**	**Course Code**	**Course Title**
ELEC1010	Electronic and Information Technology	ELEC3350	Principles of Machine Learning
ELEC1030	The Rise of Autonomous Robots	ELEC3400	Introduction to Integrated Circuits and Systems
ELEC1100	Introduction to Electro-Robot Design	ELEC3500	Integrated Circuit Devices
ELEC1200	A System View of Communications: from Signals to Packets	ELEC3600	Electromagnetics: From Wireless to Photonic Applications
ELEC2100	Signals and Systems	ELEC4010P	Quantum Mechanics for Electronic Engineers
ELEC2350	Introduction to Computer Organization and Design	ELEC4010S	Microwave Theory and Applications
ELEC2400	Electronic Circuits	ELEC4240	Deep Learning in Computer Vision
ELEC2600	Probability and Random Processes in Engineering	ELEC4260	Intelligent Robots and Embodied AI
ELEC3100	Signal Processing and Communications	ELEC4350	AI Processor Architecture
ELEC3130	Digital Image Processing	ELEC4430	Integrated Power Electronics
ELEC3180	Data-Driven Portfolio Optimization	ELEC4520	Integrated Circuit Fabrication Technology
ELEC3200	System Modeling, Analysis and Control	ELEC4530	Fundamentals of Photovoltaic and Renewable Energy
ELEC3300	Introduction to Embedded Systems	ELEC4610	Engineering Optics
ELEC3310	Digital Fundamentals and System Design	ELEC4840	Artificial Intelligence for Medical Image Analysis

Tentative UG Course Offering Schedule for the Year 2025-26
(subject to change)

Summer 2025-26			
Course Code	**Course Title**	**Course Code**	**Course Title**
ELEC1200	A System View of Communications: from Signals to Packets	ELEC2600	Probability and Random Processes in Engineering