

First Year	
Semester I	Semester II
FEC101 – Applied Mathematics – I	FEC201 – Applied Mathematics – II
FEC102 – Applied Physics – I	FEC202 – Applied Physics – II
FEC103 – Applied Chemistry– I	FEC203 – Applied Chemistry– II
FEC104 – Engineering Mechanics	FEC204 – Engineering Drawing
FEC105– Basic Electrical Engg.	FEC205–C programming
FEC106 – Environmental Studies	FEC206 – Professional Communication Ethics
FEL101 – Basic Workshop Practice – I	FEL201 – Basic Workshop Practice – II

Second Year	
Semester III	Semester IV
ECC301 Engineering Mathematics-III	ECC401 Engineering Mathematics-IV
ECC302 Electronic Devices & Circuits	ECC402 Microcontrollers
ECC303 Digital System Design	ECC403 Linear Integrated Circuits
ECC304 Network Theory	ECC404 Signals & Systems
ECC305 Electronic Instrumentation & Control Systems	ECC405 Principles of Communication Engineering
ECL301 Electronic Devices & Circuits Lab	ECL401 Microcontrollers Lab
ECL302 Digital System Design Lab	ECL402 Linear Integrated Circuits Lab
ECL303 Electronic Instrumentation & Control Systems Lab	ECL403 Principles of Communication Engineering Lab
ECL304 Skill Lab: C++ and Java Programming ECM301 Mini Project 1A	ECL404 Skill Lab: Python Programming ECM401 Mini Project 1B

Third Year	
Semester V	Semester VI
ECC501 Digital Communication	ECC601 Microcontrollers & Applications
ECC502 Discrete Time Signal Processing	ECC602 Computer Communication Networks
ECC503 Digital VLSI	ECC603 Antenna & Radio Wave Propagation
ECC504 Random Signal Analysis	ECC604 Image Processing and Machine Vision
Department Level Optional Course - I	Department Level Optional Course - II
EC C D O50 11 Digital and IPTV Engineering EC C D L O5012 Data Compression and Cryptography	ECCDLO 6021 Digital VLSI Design ECCDLO 6022 Radar Engineering ECCDLO 6023 Database Management System ECCDLO 6024 Audio Processing
EC C D L O5013 IT Infra and Security EC C D L O5014 Data Structures and Algorithm	
ECL501 Digital Communication Lab	ECL601 Microcontroller & Applications Lab
ECL502 Discrete Time Signal Processing Lab	ECL602 Computer Communication Network Lab
ECL503 Digital VLSI Lab	ECL603 Antenna & Radio Wave Propagation Lab

ECL504 Professional Communication & Ethics - II	ECL604 Image Processing and Machine Vision Lab
ECM501 Mini Project 2A-Embedded System Project	ECLDLO 602X Department Level Optional Lab II

Final Year	
Semester VII	Semester VIII
ECC701 Microwave Engineering	ECC801 RF Design
ECC702 Mobile Communication System	ECC802 Wireless Networks
ECC703 Optical Communication	
Department Level Optional Course - III	Department Level Optional Course – IV
ECCDLO7031 Neural Networks and Fuzzy Logic ECCDLO7032 Big Data Analytics ECCDLO7033 Internet Communication Engineering ECCDLO7034 CMOS Mixed Signal VLSI ECCDLO7035 Embedded System	ECCDLO8041 Optical Networks ECCDLO8042 Advanced Digital Signal Processing ECCDLO8043 Satellite Communication ECCDLO8044 Network management in Telecommunication
Institute Level Optional Course – I	InstituteE Level Optional Course - II
ILO7011 Product Lifecycle Management ILO7012 Reliability Engineering ILO7013 Management Information System ILO7014 Design of Experiments ILO7015 Operation Research ILO7016 Cyber Security and Laws ILO7017 Disaster Management and Mitigation Measures ILO7018 Energy Audit and Management ILO7019 Development Engineering	ILO8021 Project Management ILO8022 Finance Management ILO8023. Entrepreneurship Development and Management ILO8024. Human Resource Management ILO8025. Professional Ethics and CSR ILO8026. Research Methodology ILO8027. IPR and Patenting ILO8028. Digital Business Management ILO8029. Environmental Management
ECL701 Microwave Engineering Lab	ECL801 RF Design Lab
ECL702 Mobile Communication System Lab	ECL802 Wireless Networks Lab
ECL703 Optical Communication Lab	ECLDLO 804X Department Level Optional Lab IV
ECLDLO 703X Department Level Optional Lab III	ITL804 R Programming Lab
ECL704 Project-I	ECL803 Project-II