



Shree Sathyam

College of Engineering and Technology

(An Autonomous Institution)

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai.
Accredited with NAAC (B++) & Recognized under Section 2(f) of UGC
NH-544 Salem – Kochi Highway, Sankari, Salem (DT) - 637301.

Regulation : SSCET R- 2026

Programme: B.E., Electronics and Communication Engineering

Vision

To be recognized by society as a full-fledged department offering a quality higher education in the Communication Engineering field with a research focus to stay in tune with advancing technology.

Mission

- To engage modern education aids, laboratories, and competent faculty to ensure effective teaching and learning processes to meet the ever-growing and changing industrial and business environment challenges.
- To provide industry-institute interactions to strengthen the technical skills of the students and prepare them for the workforce and as entrepreneurs.
- To enable graduates to develop into the ethical, skilled hardware and software engineers that industry need, with a focus on values that improve society.

Abbreviations

BS- Basic Science Courses

CAT-Category; **CT-**Course Type

CIA- Continuous Internal Assessment

EE-Employability Enhancement Courses

ES-Engineering Sciences Courses

ESE- End Semester Examination

ET-Emerging Technology Elective Courses

HS-Humanities and Social Sciences

VAC-Value Added Courses

L – Laboratory Course

LIT – Laboratory Integrated Theory

MC-Mandatory Non-Credit Courses

OE-Open Elective Courses

PC-Professional Core Courses

PE-Professional Elective Courses

S-Self study

SD – Skill Development

SL-Self-Learning

T – Theory

TCP – Total Contact Period

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)	
PEO1	Apply knowledge of electronics, communication, embedded systems, signal processing, and engineering fundamentals to solve complex engineering problems
PEO2	Design and develop innovative, sustainable, and socially responsible solutions using modern tools, while demonstrating ethics, teamwork, communication, and leadership.
PEO3	Pursue lifelong learning, higher education, research, entrepreneurship, and professional development to adapt to emerging technologies and contribute to society.

PROGRAM OUTCOMES(POs)	
PO1	Engineering Knowledge: Apply math, science, and engineering fundamentals to complex problems.
PO2	Problem Analysis: Identify and analyze complex problems using research and sustainability principles.
PO3	Design Solutions: Design systems and processes considering health, safety, cost, culture, and environment.
PO4	Investigations: Use experiments, modelling, and data analysis to reach valid conclusions.
PO5	Engineering Tools: Apply modern tools for modelling and problem-solving, recognizing their limits.
PO6	Society & Environment: Assess societal, legal, and environmental impacts of engineering solutions.
PO7	Ethics: Commit to ethics, human values, diversity, and legal compliance.
PO8	Teamwork: Work effectively as an individual and in multidisciplinary teams.
PO9	Communication: Communicate clearly in reports, presentations, and documentation across diverse groups.
PO10	Management & Finance: Apply management and economic principles in projects and teamwork.
PO11	Lifelong Learning: Engage in continuous learning, adapt to new technologies, and think critically.

PROGRAM SPECIFIC OUTCOME (PSOs)	
PSO1	Apply ECE knowledge to design and develop innovative solutions using modern tools.
PSO2	Demonstrate professional skills through research, lifelong learning, teamwork, ethics, and emerging technologies.

SEMESTER -I													
S.No	Course Code	Course Name	CAT	CT	Period / Week						Maximum Marks		
					L	T	P	S	C	TCP	CIA	ESE	Total
1	U26SHIP11	Induction Programme	-	-	-	-	-	-	0	-	-	-	-
	THEORY												
2	U26SHEN11	Professional English for Engineers-I	HS	T	2	0	0	2	2	2	40	60	100
3	U26SHMA11	Calculus for Engineers	BS	T	3	1	0	-	4	4	40	60	100
4	U26SHPH11	Engineering Physics-I	BS	T	3	0	0	-	3	3	40	60	100
5	U26SHCH11	Engineering Chemistry	BS	T	3	0	0	-	3	3	40	60	100
6	U26SHTA11	தமிழர் மரபு / Heritage of Tamils	HS	T	1	0	0	2	1	1	40	60	100
	LABORATORY INTEGRATED THEORY												
7	U26CSES11	Problem Solving using C Programming	ES	LIT	3	0	2	-	4	5	50	50	100
	LABORATORY												
8	U26SHPC11	Physics and Chemistry Laboratory	BS	L	0	0	4	-	2	4	60	40	100
9	U26MEES11	Engineering Practices Laboratory	ES	L	0	0	4	-	2	4	60	40	100
	COMPETENCY ENHANCEMENT												
10	U26SHMC11	Human Values and Professional Excellence – I	MC	-	0	0	2	-	0	2	100	-	100
	WELLNESS AND LIFE STYLE MANAGEMENT												
11	U26SHPY11	Physical Education and Yoga- I	HS	-	0	0	4	-	1	4	100	-	100
									Total	22	32	570	430 1000

SEMESTER- II														
S.No	Course Code	Course Name	Period / Week								Maximum Marks			
			CAT	CT	L	T	P	S	C	TCP	CIA	ESE	Total	
	THEORY													
1	U26SHMA21	Linear Algebra	BS	T	3	1	0	-	4	4	40	60	100	
2	U26SHTA21	தமிழ்நூல் தொழில்நுட்பமும்/ Tamils and Technology	HS	T	1	0	0	2	1	1	40	60	100	
3	U26ECPC21	Electron Devices	PC	T	3	0	0	-	3	3	40	60	100	
4	U26EEES23	Electric Circuit Analysis	ES	T	3	0	0	-	3	3	40	60	100	
5	U26MEES21	Engineering Drawing	ES	T	3	0	0	-	3	3	40	60	100	
	LABORATORY INTEGRATED THEORY													
6	U26ADES21	Python Programming	ES	LIT	3	0	2	-	4	5	50	50	100	
7	U26SHEN21	Professional English for Engineers-II	HS	LIT	1	0	2	2	2	3	50	50	100	
	LABORATORY													
8	U26ECPC22	Devices and Circuits Laboratory	PC	L	0	0	4	-	2	4	60	40	100	
	COMPETENCY ENHANCEMENT													
9	U26SHMC21	Human Values and Professional Excellence – II	MC	-	0	0	2	-	0	2	100	-	100	
10	U26SHEE21	Aptitude Skill	EE	L	0	0	2	-	1	2	100	-	100	
	WELLNESS AND LIFESTYLE MANAGEMENT													
11	U26SHPY21	Physical Education and Yoga- II	HS	-	0	0	4	-	1	4	100	-	100	
Total									24	34	660	440	1100	

SEMESTER- III													
S.No	Course Code	Course Name	Period / Week								Maximum Marks		
			CAT	CT	L	T	P	S	C	TCP	CIA	ESE	Total
	THEORY												
1	U26SHMA33	Probability, Statistical and Random Processes	BS	T	3	1	0	-	4	4	40	60	100
2	U26ECPC31	Control Systems	PC	T	3	0	0	2	3	3	40	60	100
3	U26ECPC32	Digital Logic Design	PC	T	3	0	0	-	3	3	40	60	100
4	U26ECPC33	Electronics Circuits and Simulation	PC	T	3	0	0	-	3	3	40	60	100
	LABORATORY INTEGRATED THEORY												
5	U26ECPC34	Analog Communication	PC	LIT	3	0	2	-	4	5	50	50	100
	LABORATORY												
6	U26ECPC35	Digital Logic Design Laboratory	PC	L	0	0	4	-	2	4	60	40	100
7	U26ECPC36	Circuits and Simulation Laboratory	PC	L	0	0	4	-	2	4	60	40	100
	COMPETENCY ENHANCEMENT												
8	U26CSEE31	Aptitude and Coding Skill-I	EE	L	0	0	2	2	1	2	100	-	100
Total									22	28	430	370	800

SEMESTER -IV													
S.No	Course Code	Course Name	Period / Week								Maximum Marks		
			CAT	CT	L	T	P	S	C	TCP	CIA	ESE	Total
	THEORY												
1	U26ECPC41	Signals and Systems	PC	T	3	1	0	-	4	4	40	60	100
2	U26ECCG41	Linear Integrated Circuits	PC	T	3	0	0	-	3	3	40	60	100
3	U26ECPC42	Electromagnetic Field	PC	T	3	0	0	-	3	3	40	60	100
4	U26SHCH41	Environmental Sciences and Sustainability	HS	T	3	0	0	-	3	3	40	60	100
	LABORATORY INTEGRATED THEORY												
5	U26ECPC43	Digital Communication	PC	LIT	3	0	2	-	4	5	50	50	100
6	U26ECPC44	Microprocessor and Micro Controller	PC	LIT	3	0	2	-	4	5	50	50	100
	LABORATORY												
7	U26ECCG42	Linear Integrated Circuits Laboratory	PC	L	0	0	4	-	2	4	60	40	100
	COMPETENCY ENHANCEMENT												
8	U26CSEE41	Aptitude and Coding Skill-II	EE	L	0	0	2	2	1	2	100	-	100
Total									24	29	420	380	800

SEMESTER -V													
S.No	Course Code	Course Name	Period / Week								Maximum Marks		
			CAT	CT	L	T	P	S	C	TCP	CIA	ESE	Total
	THEORY												
1	U26ECPC51	Transmission lines and RF Systems	PC	T	3	0	0	-	3	3	40	60	100
2	U26ECPEXX	Professional Elective – I	PE	T	3	0	0	-	3	3	40	60	100
3		Open Elective-I*	OE	T	3	0	0	-	3	3	40	60	100
4	U26MXMCXX	Mandatory Course-I	MC	T	3	0	0	-	0	3	40	60	100
	LABORATORY INTEGRATED THEORY												
5	U26ECPC52	Wireless Communication	PC	LIT	3	0	2	-	4	5	50	50	100
6	U26ECPC53	Digital Signal Processing	PC	LIT	3	0	2	-	4	5	50	50	100
7	U26ECPEXX	Professional Elective – II	PE	LIT	3	0	2	-	4	5	50	50	100
	COMPETENCY ENHANCEMENT												
8		Value Added Course-I	SD	LIT	1	0	2	2	1	3	100	-	100
9	U26ECEEE51	Technical Comprehension and Mock Interview – I	EE	L	0	0	2	2	0	2	100	-	100
Total									22	31	510	390	900

*Open Elective – I Shall be chosen from the list of open electives offered by other Programmes

SEMESTER -VI													
S.No	Course Code	Course Name	Period / Week								Maximum Marks		
			CAT	CT	L	T	P	S	C	TCP	CIA	ESE	Total
	THEORY												
1	U26SHCC61	Climate Change and Sustainability	HS	T	2	0	0	-	2	2	40	60	100
2	U26ECPC61	VLSI and Chip Design	PC	T	3	0	0	-	3	3	40	60	100
3	U26ECPEXX	Professional Elective – III	PE	T	3	0	0	-	3	3	40	60	100
4	U26ECPEXX	Professional Elective – IV	PE	T	3	0	0	-	3	3	40	60	100
5		Open Elective-II*	OE	T	3	0	0	-	3	3	40	60	100
6	U26MXMCXX	Mandatory Course-II	MC	T	3	0	0	-	0	3	40	60	100
	LABORATORY INTEGRATED THEORY												
7	U26ECPC62	Embedded Systems and IOT Design	PC	LIT	3	0	2	-	4	5	50	50	100
	LABORATORY												
8	U26ECPC63	VLSI Laboratory	PC	L	0	0	4	-	2	4	60	40	100
	COMPETENCY ENHANCEMENT												
9		Value Added Course-I	SD	LIT	1	0	2	-	1	3	100	-	100
10	U26ECSD62	Mini Project / Design Project	SD	L	0	0	2	-	1	2	100	-	100
11	U26ECEEE61	Technical Comprehension and Mock Interview – II	EE	L	0	0	2	-	0	2	100	-	100
Total									22	33	650	450	1100

*Open Elective – II Shall be chosen from the list of open electives offered by other Programmes

SEMESTER- VII													
S.No	Course Code	Course Name	Period / Week								Maximum Marks		
			CAT	CT	L	T	P	S	C	TCP	CIA	ESE	Total
	THEORY												
1	U26SHEMXX	Elective(Management)*	HS	T	3	0	0	-	3	3	40	60	100
2	U26ECPC71	Optical Communication Network	PC	T	3	0	0	-	3	3	40	60	100
3	U26ECPC72	Digital Image Processing	PC	T	3	0	0	-	3	3	40	60	100
4		Open Elective-III*	OE	T	3	0	0	-	3	3	40	60	100
5	U26ECETXX	Emerging Technology Elective Courses	ET	T	3	0	0	-	3	4	40	60	100
	LABORATORY INTEGRATED THEORY												
6	U26ECPC73	Antenna Design with Simulation	PC	LIT	3	0	2	-	4	5	50	50	100
	COMPETENCY ENHANCEMENT												
7	U26ECSD71	Project Work - I	SD	L	0	0	4	-	2	4	60	40	100
8	U26ECSD72	Internship/ Industrial Training	SD	-	0	0	0	-	1	0	100	-	100
Total									22	25	420	380	800

*Open Elective –III Shall be chosen from the list of open electives offered by other Programmes

*Elective - Management shall be chosen from the Elective Management courses

SEMESTER -VIII													
S.No	Course Code	Course Name	Period / Week								Maximum Marks		
			CAT	CT	L	T	P	S	C	TCP	CIA	ESE	Total
1	U26ECSD81	Project Work - II	SD	-	0	0	16	-	8	16	60	40	100
Total										8	16	60	100

CREDIT SUMMARY

S.No	Category	Semester wise Credit Allocation								Total Credits	Credits in %
		I	II	III	IV	V	VI	VII	VIII		
1	HS	4	4	-	3	-	2	3	-	16	9.6
2	BS	12	4	4	-	-	-	-	-	20	12.0
3	ES	6	10	-	-	-	-	-	-	16	9.6
4	MC	0	0	-	-	0	0	-	-	0	0.0
5	PC	-	5	17	20	11	9	10	-	72	43.4
6	EE	-	1	1	1	0	0	-	-	3	1.8
7	PE	-	-	-	-	7	6	-	-	13	7.8
8	OE	-	-	-	-	3	3	3	-	9	5.4
9	ET	-	-	-	-	-	0	3	-	3	1.8
10	SD	-	-	-	-	-	2	3	8	14	8.4
Total		22	24	22	24	22	22	22	8	166	100.0

Professional Elective (PE)				
Domain -I	Domain -II	Domain -III	Domain -IV	Domain -V
Semiconductors Chip	High Speed Communication	Networks	Signal and Image Processing	Embedded and IOT

Professional Elective (PE)													
Domain - I (Semiconductors Chip)													
S.No	Course Code	Course Name	CAT	C T	Period / Week						Maximum Marks		
					L	T	P	S	C	TCP	CIA	ESE	Total
1.	U26ECPE11	ASIC Design	PE	T	3	0	0	-	3	3	40	60	100
2.	U26ECPE12	System on Chip Design	PE	T	3	0	0	-	3	3	40	60	100
3.	U26ECPE13	System Verilog	PE	T	3	0	0	-	3	3	40	60	100
4.	U26ECPE14	VLSI Testing and Testability	PE	T	3	0	0	-	3	3	40	60	100
5.	U26ECPE15	Electronic System Design	PE	T	3	0	0	-	3	3	40	60	100
6.	U26ECPE16	Electronic Circuit Board Design	PE	T	3	0	0	-	3	3	40	60	100
7.	U26ECPE17	Semiconductor Device Modelling and Simulation	PE	T	3	0	0	-	3	3	40	60	100
8.	U26ECPE18	Electronic System Packaging	PE	T	3	0	0	-	3	3	40	60	100
Domain –II (High Speed Communication)													
9.	U26ECPE21	Mobile Communication	PE	T	3	0	0	-	3	3	40	60	100
10.	U26ECPE22	Satellite Communication	PE	T	3	0	0	-	3	3	40	60	100
11.	U26ECPE23	Wireless Broadband Network	PE	T	3	0	0	-	3	3	40	60	100
12.	U26ECPE24	Information Theory and Coding	PE	T	3	0	0	-	3	3	40	60	100
13.	U26ECPE25	Radar Communication	PE	T	3	0	0	-	3	3	40	60	100
14.	U26ECPE26	Digital Communication Receivers	PE	T	3	0	0	-	3	3	40	60	100
15.	U26ECPE27	Software Defined Networks	PE	T	3	0	0	-	3	3	40	60	100
16.	U26ECPE28	4G / 5G Communication Networks	PE	T	3	0	0	-	3	3	40	60	100
Domain –III(Networks)													
17.	U26ECPE31	Computer System and Hardware	PE	T	3	0	0	-	3	3	40	60	100
18.	U26ECPE32	Network Information Security	PE	T	3	0	0	-	3	3	40	60	100

19.	U26ECPE33	Cryptography and Network Security	PE	T	3	0	0	-	3	3	40	60	100
20.	U26ECPE34	High Performance Communication Networks	PE	T	3	0	0	-	3	3	40	60	100
21.	U26ECPE35	Wireless Adhoc and Sensor Networks	PE	T	3	0	0	-	3	3	40	60	100
22.	U26ECPE36	Automotive Electronics and Networking	PE	T	3	0	0	-	3	3	40	60	100
23.	U26ECPE37	Neural Networks	PE	T	3	0	0	-	3	3	40	60	100
24.	U26ECPE38	Computer Networks	PE	T	3	0	0	-	3	3	40	60	100
Domain -IV(Signal and Image Processing)													
25.	U26ECPE41	Advanced Digital Signal Processing	PE	T	3	0	0	-	3	3	40	60	100
26.	U26ECPE42	Speech Signal Processing	PE	T	3	0	0	-	3	3	40	60	100
27.	U26ECPE43	Multimedia Compression Techniques	PE	T	3	0	0	-	3	3	40	60	100
28.	U26ECPE44	Deep Learning	PE	T	3	0	0	-	3	3	40	60	100
29.	U26ECPE45	Computer Vision	PE	T	3	0	0	-	3	3	40	60	100
30.	U26ECPE46	Machine Learning	PE	T	3	0	0	-	3	3	40	60	100
31.	U26ECPE47	Soft Computing	PE	T	3	0	0	-	3	3	40	60	100
32.	U26ECPE48	Pattern Recognition	PE	T	3	0	0	-	3	3	40	60	100
Domain -V (Embedded and IOT)													
33.	U26ECPE51	MEMS Design	PE	T	3	0	0	-	3	3	40	60	100
34.	U26ECPE52	Virtual Instrumentation	PE	T	3	0	0	-	3	3	40	60	100
35.	U26ECPE53	Wearable Devices	PE	T	3	0	0	-	3	3	40	60	100
36.	U26ECPE54	Real Time Embedded Systems	PE	T	3	0	0	-	3	3	40	60	100
37.	U26ECPE55	Internet Of Things & Its Applications	PE	T	3	0	0	-	3	3	40	60	100
38.	U26ECPE56	IOT With Single Board Computers	PE	T	3	0	0	-	3	3	40	60	100
39.	U26ECPE57	Industrial IoT And Industry 4.0	PE	T	3	0	0	-	3	3	40	60	100
40.	U26ECPE58	Automation for Robotics	PE	T	3	0	0	-	3	3	40	60	100

Open Elective (OE)													
S.No	Course Code	Course Name	CAT	CT	Period / Week						Maximum Marks		
					L	T	P	S	C	TCP	CIA	ESE	Total
1.	U26ADOE01	AI for Healthcare Applications	AD	T	3	0	0	0	3	3	40	60	100
2.	U26ADOE02	Introduction to Artificial Intelligence	AD	T	3	0	0	0	3	3	40	60	100
3.	U26ADOE03	Data Science for Everyone	AD	T	3	0	0	0	3	3	40	60	100
4.	U26ADOE04	Python Programming for Data Analytics	AD	T	3	0	0	0	3	3	40	60	100
5.	U26ADOE05	Machine Learning Applications	AD	T	3	0	0	0	3	3	40	60	100
6.	U26ADOE06	Generative AI & Prompt Engineering	AD	T	3	0	0	0	3	3	40	60	100
7.	U26ADOE07	Data Visualization & Business Intelligence	AD	T	3	0	0	0	3	3	40	60	100
8.	U26ADOE08	AI for Engineering & Smart Systems	AD	T	3	0	0	0	3	3	40	60	100
9.	U26BMOE01	Pharmaceutical Nanotechnology	BM	T	3	0	0	0	3	3	40	60	100
10.	U26BMOE02	IPR for Pharma Industry	BM	T	3	0	0	0	3	3	40	60	100
11.	U26BMOE03	Nano Technology	BM	T	3	0	0	0	3	3	40	60	100
12.	U26BMOE04	Industrial Hygiene	BM	T	3	0	0	0	3	3	40	60	100
13.	U26BMOE05	Nanomaterials and Applications	BM	T	3	0	0	0	3	3	40	60	100
14.	U26BMOE06	Agriculture Entrepreneurship Development	BM	T	3	0	0	0	3	3	40	60	100
15.	U26BMOE07	Wearable Devices	BM	T	3	0	0	0	3	3	40	60	100
16.	U26BMOE08	Medical Informatics	BM	T	3	0	0	0	3	3	40	60	100
17.	U26BMOE09	Lifestyle Diseases	BM	T	3	0	0	0	3	3	40	60	100
18.	U26BMOE10	Biotechnology in Health Care	BM	T	3	0	0	0	3	3	40	60	100
19.	U26BMOE02	Bio Medical Signal Processing	BM	T	3	0	0	0	3	3	40	60	100
20.	U26CSOE01	Introduction to Quantum Computing	CS	T	3	0	0	0	3	3	40	60	100
21.	U26CHOE01	Batteries and Management system	CH	T	3	0	0	0	3	3	40	60	100
22.	U26ECOE01	Internet of Things (IoT)	EC	T	3	0	0	0	3	3	40	60	100
23.	U26ECOE03	Drone Technologies	EC	T	3	0	0	0	3	3	40	60	100
24.	U26ECOE04	Sensors and Actuators	EC	T	3	0	0	0	3	3	40	60	100
25.	U26ECOE05	VLSI Design	EC	T	3	0	0	0	3	3	40	60	100
26.	U26ECOE06	Wireless Sensor Networks	EC	T	3	0	0	0	3	3	40	60	100
27.	U26ECOE07	VLSI Design Fundamentals	EC	T	3	0	0	0	3	3	40	60	100
28.	U26ECOE08	FPGA-Based System Design	EC	T	3	0	0	0	3	3	40	60	100
29.	U26ECOE09	MEMS and Sensor Technology	EC	T	3	0	0	0	3	3	40	60	100
30.	U26ECOE10	Embedded Systems Design	EC	T	3	0	0	0	3	3	40	60	100
31.	U26ENOE01	English for Competitive Examinations	EN	T	3	0	0	0	3	3	40	60	100
32.	U26EEOE01	Energy Conservation and Management	EE	T	3	0	0	0	3	3	40	60	100
33.	U26EEOE02	Renewable Energy System	EE	T	3	0	0	0	3	3	40	60	100
34.	U26EEOE03	Electric and Hybrid Vehicles	EE	T	3	0	0	0	3	3	40	60	100
35.	U26EEOE04	Electric Vehicle Technology	EE	T	3	0	0	0	3	3	40	60	100
36.	U26EEOE05	Introduction to PLC Programming	EE	T	3	0	0	0	3	3	40	60	100
37.	U26ITOE01	IT in Agricultural System	IT	T	3	0	0	0	3	3	40	60	100

38.	U26ITOE02	Cyber Security Fundamentals	IT	T	3	0	0	0	3	3	40	60	100
39.	U26ITOE03	DevOps and Cloud Technologies	IT	T	3	0	0	0	3	3	40	60	100
40.	U26MEOE01	Energy Technology	ME	T	3	0	0	0	3	3	40	60	100
41.	U26MEOE02	Renewable Energy Technologies	ME	T	3	0	0	0	3	3	40	60	100
42.	U26MEOE03	Applied Design Thinking	ME	T	3	0	0	0	3	3	40	60	100
43.	U26MEOE04	Additive Manufacturing	ME	T	3	0	0	0	3	3	40	60	100
44.	U26MEOE05	Quality Engineering	ME	T	3	0	0	0	3	3	40	60	100
45.	U26MEOE06	Introduction to Non-destructive Testing	ME	T	3	0	0	0	3	3	40	60	100
46.	U26MEOE07	New Product Development	ME	T	3	0	0	0	3	3	40	60	100
47.	U26MEOE08	Industrial Design & Rapid Prototyping Techniques	ME	T	3	0	0	0	3	3	40	60	100
48.	U26CGOE01	Industrial safety	CG	T	3	0	0	0	3	3	40	60	100
49.	U26CGOE02	Democracy and Good Governance	CG	T	3	0	0	0	3	3	40	60	100
50.	U26CGOE03	Digital Marketing	CG	T	3	0	0	0	3	3	40	60	100
51.	U26CGOE04	Project Report Writing	CG	T	3	0	0	0	3	3	40	60	100
52.	U26CGOE05	Intellectual Property Rights	CG	T	3	0	0	0	3	3	40	60	100

Emerging Technology Elective (ET)													
S.No	Course Code	Course Name	CAT	CT	Period / Week						Maximum Marks		
					L	T	P	S	C	TCP	CIA	ESE	Total
1.	U26ECET01	Advanced VLSI and SoC Design	ET	T	3	0	0	-	3	3	40	60	100
2.	U26ECET02	Quantum Computing and Communication	ET	T	3	0	0	-	3	3	40	60	100
3.	U26ECET03	FPGA-Based Embedded System Design	ET	T	3	0	0	-	3	3	40	60	100
4.	U26ECET04	Advanced Antenna and RF Technologies	ET	T	3	0	0	-	3	3	40	60	100
5.	U26ECET05	Artificial Intelligence and Machine Learning for ECE	ET	T	3	0	0	-	3	3	40	60	100
6.	U26ECET06	Cyber Security for IoT and Embedded Systems	ET	T	3	0	0	-	3	3	40	60	100
7.	U26ECET07	VLSI Design for Electric Vehicle Systems	ET	T	3	0	0	-	3	3	40	60	100
8.	U26ECET08	Advanced Nano electronics	ET	T	3	0	0	-	3	3	40	60	100

Management Elective (HS)													
S.No	Course Code	Course Name	CAT	CT	Period / Week						Maximum Marks		
					L	T	P	S	L	T	CIA	ESE	L
1.	U26SHEM01	Engineering Management	T	HS	3	0	0	-	3	3	40	60	100
2.	U26SHEM02	Total Quality Management	T	HS	3	0	0	-	3	3	40	60	100
3.	U26SHEM03	Semiconductor Industry Management	T	HS	3	0	0	-	3	3	40	60	100
4.	U26SHEM04	Entrepreneurship Development	T	HS	3	0	0	-	3	3	40	60	100
5.	U26SHEM05	Human Resource Management	T	HS	3	0	0	-	3	3	40	60	100

Mandatory Course-I (MC)													
S.No	Course Code	Course Name	CAT	CT	Period / Week						Maximum Marks		
					L	T	P	S	C	TCP	CIA	ESE	Total
1.	U26MXMC01	Professional Ethics and Human Values	T	MC	3	0	0	-	0	3	100	-	100
2.	U26MXMC02	Introduction to Gender equality	T	MC	3	0	0	-	0	3	100	-	100
3.	U26MXMC03	Indian Constitution	T	MC	3	0	0	-	0	3	100	-	100
Mandatory Course-II (MC)													
4.	U26MXMC04	Self-Awareness and Personality Development	T	MC	3	0	0	-	0	3	100	-	100
5.	U26MXMC05	Professional Skills and Employability	T	MC	3	0	0	-	0	3	100	-	100
6.	U26MXMC06	Technical Communication	T	MC	3	0	0	-	0	3	100	-	100