SAGE University, Indore
Institute of Engineering and Technology
Department of Electronics and Communication Engineering
CHOICE BASED CREDIT SYSTEM
Effective for Academic Session: 2024-25

Program:	Bachelor of Technology in Electronics and Communication Engineering	Program Code: B Tech(ECE)
Semester:	I	Admission Batch:2024-25

Subject wise Distribution of Marks and corresponding Credits

S. No.	Subject Code	Category	Subject Title	Theory(100 Marks)			Practical/Studio/NTCC (50 Marks)			Total Marks	Hours/week						Credits	Credits Hours
				End Sem	Continuous Internal Evaluation Mid Sem Test (MST)	Attendance/ Quiz /Assig./Presentations	End Sem. Exam (ESE) For Practical and Viva	Continuous Internal Evaluation			L	T	P	S (only for design)	SM	NTCC	Credits	Credits Hours
								Lab Work / WPR	Attendance/ Assignment /viva/Lab manual									
1	EECDCBEX001T	DC	Basic Electrical	60	20	20	-	-	-	100	3	-	-	-	-	-	3	3
2	EBSDCMAT004T	DC	Mathematics-I	60	20	20	-	-	-	100	3	1	-	-	-	-	4	4
3	AECACCOS001T	AECC	Communication Skills & Personality Development	60	20	20	-	-	-	100	3	-	-	-	-	-	3	3
4	EBSDCPHY001T	DC	Physics	60	20	20	-	-	-	100	3	-	-	-	-	-	3	3
5	EMEDCEGP001T	DC	Engineering Graphics	60	20	20	-	-	-	100	2	-	-	-	-	-	2	2
6	To be selected##	GE	General Elective-1## (One From offered University List)	60	20	20	-	-	-	100	4	-	-	-	4	-	4	4
7	EECDCBEX001P	DC	Basic Electrical Lab	-	-	-	30	10	10	50	-	-	2	-	-	-	1	2
8	AECACCOS001P	AECC	Communication Skills Lab	-	-	-	30	10	10	50	-	-	2	-	-	-	1	2
9	To be selected$	DSEEC	Departmental Skill Enhancement Elective Course-I$	-	-	-	30	10	10	50	-	-	4	-	-	-	2	4
10	EBSDCPHY001P	DC	Physics Lab	-	-	-	30	10	10	50	-	-	2	-	-	-	1	2
11	EMEDCEGP001P	DC	Engineering Graphics Lab	-	-	-	30	10	10	50	-	-	4	-	-	-	2	4
	Total			360	120	120	150	50	50	850	18	1	14	-	4	-	26	33

$ List of Departmental Skill Enhancement Elective Course-I	
Course Code	Course Name
EECDSPSP001P	Problem Solving in Programming using C/C++
EECDSCKT001P	Ciruit Design Lab

Details of GE Offered	
Course Code	Course Name
EECGEBEL001B	Basic Electronics

Note: Internship-I$$: To be completed before start of V Semester, For the same evaluation and credit to be added in V Semester.

Students can opt general elective from the Courses offered by other institutes under group 1 in GE category

Institute of Engineering and Technology
Department of Electronics and Communication Engineering
CHOICE BASED CREDIT SYSTEM
Effective for Academic Session: 2024-25

Program:	Bachelor of Technology in Electronics and Communication Engineering	Program Code: B Tech(ECE)
Semester:	II	Admission Batch:2024-25

Subject wise Distribution of Marks and corresponding Credits

S. No.	Subject Code	Category	Subject Title	Theory(100 Marks)			Practical/Studio/NTCC (50 Marks)			Total Marks	Hours/week						Credits	Credits Hours
				End Sem	Continuous Internal Evaluation Mid Sem Test (MST)	Attendance/ Quiz /Assig./Prese ntations	End Sem. Exam (ESE)ForP ractical and Viva	Continuous Internal Evaluation			L	T	P	S (only for desig n)	SM	NTCC		
								Lab Work / WPR	Attendance/ Assignment /viva/Lab manual									
1	EECDCBEC001T	DC	Basic Electronics	60	20	20	-	-	-	100	3	-	-	-	-	-	3	3
2	EECDCENW001T	DC	Electronic Network	60	20	20	-	-	-	100	3	-	-	-	-	-	3	3
3	ECSDCFOP001T	DC	Fundamental of Programming	60	20	20	-	-	-	100	3	-	-	-	-	-	3	3
4	EBSDCMAT005T	DC	Mathematics -II	60	20	20	-	-	-	100	3	1	-	-	-	-	4	4
5	AECACUHV001T	AECC	Universal Human Values & Professional Ethics	60	20	20	-	-	-	100	2	-	-	-	-	-	2	2
6	To be selected##	GE	General Elective-2## (One From offered University List)	60	20	20	-	-	-	100	4	-	-	-	4	-	4	4
7	To be selected$	DSEEC	Departmental Skill Enhancement Elective Course-II$	-	-	-	30	10	10	50	-	-	4	-	-	-	2	4
8	EECDCBEC001P	DC	Basic Electronics Lab	-	-	-	30	10	10	50			2	-	-	-	1	2
9	EECDCENW001P	DC	Electronic Network Lab	-	-	-	30	10	10	50	-	-	2	-	-	-	1	2
10	ECSDCFOP001P	DC	Fundamental of Programming Lab	-	-	-	30	10	10	50	-	-	2	-	-	-	1	2
11	AECACUHV001N	AECC	Universal Human Values & Professional Ethics Lab	-	-	-	-	20	30	50	-	-	-	-	-	4	2	-
12	EECDPMPT001N	DAP	Micro Project	-	-	-	-	20	30	50	-	-	-	-	-	4	2	-
		Total		360	120	120	120	80	100	900	18	1	10	-	4	8	28	29

$ List of Departmental Skill Enhancement Elective Course-II			Details of GE Offered	
Course Code	Course Name		Course Code	Course Name
EECDSWSP001P	Workshop Practice		EECGEECD001B	Electronic Circuits and Devices
EECDSSML001P	Simulation and Modelling-I			
EECDSOPJ001P	Object Oriented Programming in Java			

Note: Internship-I$$: To be completed before start of V Semester, For the same evaluation and credit to be added in V Semester.

Students can opt general elective from the Courses offered by other institutes under group 2 in GE category

Institute of Engineering and Technology
Department of Electronics and Communication Engineering
CHOICE BASED CREDIT SYSTEM
Effective for Academic Session: 2024-25

Program:	Bachelor of Technology in Electronics and Communication Engineering		Program Code: B Tech(ECE)
Semester:	III		Admission Batch:2024-25

Subject wise Distribution of Marks and corresponding Credits

S. No.	Subject Code	Category	Subject Title	Theory(100 Marks) End Sem	Theory(100 Marks) Continuous Internal Evaluation Mid Sem Test (MST)	Theory(100 Marks) Attendance/ Quiz /Assig./Prese ntations	Practical/Studio/NTCC (50 Marks) End Sem. Exam (ESE) For Practical and Viva	Practical/Studio/NTCC Continuous Internal Evaluation Lab Work / WPR	Practical/Studio/NTCC Continuous Internal Evaluation Attendance/ Assignment /viva/Lab manual	Total Marks	L	T	P	S (only for design)	SM	NTCC	Credits	Credits Hours
1	EECDCDEC001T	DC	Digital Electronics	60	20	20	-	-	-	100	3	-	-	-	-	-	3	3
2	EECDCEDC001T	DC	Electronic Devices and Circuit	60	20	20	-	-	-	100	3	-	-	-	-	-	3	3
3	To be selected*	DE	Departmental Elective-I*	60	20	20	-	-	-	100	4	-	-	-	-	-	4	4
4	To be selected**	DE	Departmental Elective-II**	60	20	20	-	-	-	100	3	1	-	-	-	-	4	4
5	AECACEVS001T	AECC	Environmental Science and Disaster management	60	20	20	-	-	-	100	3	-	-	-	-	-	3	3
6	To be selected##	GE	General Elective-3## (One From offered University List)	60	20	20	-	-	-	100	4	-	-	-	4	-	4	4
7	EECDCDEC001P	DC	Digital Electronics Lab	-	-	-	30	10	10	50	-	-	2	-	-	-	1	2
8	EECDCEDC001P	DC	Electronic Devices and Circuit Lab	-	-	-	30	10	10	50	-	-	2	-	-	-	1	2
9	AECACEVS001N	AECC	Environmental Science and Disaster management Lab	-	-	-	-	20	30	50	-	-	-	-	-	2	1	-
10	To be selected$	DSEEC	Departmental Skill Enhancement Elective Course-III$	-	-	-	30	10	10	50	-	-	4	-	-	-	2	4
	Total			360	120	120	90	50	60	800	20	1	8	-	4	2	26	29

* List of Departmental Elective-I			** List of Departmental Elective-II	
Course Code	**Course Name**		**Course Code**	**Course Name**
EECDESAS001T	Signal and System		EECDEEMT001T	Electro Magnetic Theory
ECSDEJIP001T	JAVA Programming		EECDECSO001T	Computer System Organization

$ List of Departmental Skill Enhancement Elective Course-III			Details of GE Offered	
Course Code	**Course Name**		**Course Code**	**Course Name**
EECDSDSA001P	Data Structure and Algorithums		EECGEDEC003B	Digital Electronic Circuits
ECSDSJAV001P	JAVA Programming Lab			

Students can opt general elective from the Courses offered by other institutes under group 3 in GE category

Note: Internship-I$$: To be completed before start of V Semester, For the same evaluation and credit to be added in V Semester.

Institute of Engineering and Technology
Department of Electronics and Communication Engineering
CHOICE BASED CREDIT SYSTEM
Effective for Academic Session: 2024-25

Program:	Bachelor of Technology in Electronics and Communication Engineering		Program Code: B Tech(ECE)
Semester:	IV		Admission Batch:2023, 2024

Subject wise Distribution of Marks and corresponding Credits

S. No.	Subject Code	Category	Subject Title	Theory(100 Marks)			Practical/Studio/NTCC (50 Marks)			Total	Hours/week						Credits	Credits Hours
				End Sem	Continuous Internal Evaluation Mid Sem Test (MST)	Attendance/ Quiz /Assig./Presentations	End Sem. Exam (ESE) For Practical and Viva	Lab Work / WPR	Attendance/ Assignment /viva/Lab manual		L	T	P	S (only for design)	SM	NTCC		
1	EECDCIMT001T	DC	Instrumentation and Measurement	60	20	20	-	-	-	100	3	-	-	-	-	-	3	3
2	EECDCECK001T	DC	Electronics Circuits-II	60	20	20	-	-	-	100	3	-	-	-	-	-	3	3
3	To be selected*	DE	Departmental Elective-III*	60	20	20	-	-	-	100	3	-	-	-	-	-	3	3
4	To be selected**	DE	Departmental Elective-IV**	60	20	20	-	-	-	100	3	1	-	-	-	-	4	4
5	To be selected##	GE	General Elective-4## (One From offered University List)	60	20	20	-	-	-	100	4	-	-	-	4	-	4	4
6	EECDCIMT001P	DC	Instrumentation and Measurement Lab	-	-	-	30	10	10	50	-	-	2	-	-	-	1	2
7	EECDCECK001P	DC	Electronics Circuits-II Lab	-	-	-	30	10	10	50	-	-	2	-	-	-	1	2
8	To be selected*	DE	Departmental Elective-III Lab*	-	-	-	30	10	10	50	-	-	2	-	-	-	1	2
9	EECDPMPT002N	DAP	Micro Project - II	-	-	-	-	20	30	50	-	-	-	-	-	4	2	-
10	To be selected$	DSEEC	Departmental Skill Enhancement Elective Course-IV$	-	-	-	30	10	10	50	-	-	4	-	-	-	2	4
	Total			**300**	**100**	**100**	**120**	**60**	**70**	**750**	**16**	**1**	**10**	**-**	**4**	**4**	**24**	**27**

* List of Departmental Elective-III	
Course Code	Course Name
EECDEADC001T/P	Analog and Digital Communication
EECDEBMI001T/P	Biomedical Instrumentation

** List of Departmental Elective-IV	
Course Code	Course Name
EECDECNS001T	Control System
EECDEIPR001T	Intellectual Property Rights

$List of Departmental Skill Enhancement Elective Course-IV	
Course Code	Course Name
EECDSSML002P	Simulation and Modelling-II
EECDSPYT001P	Python

Details of GE Offered	
Course Code	Course Name
EECGEMMC004B	Microprocessor and Microcontroller

Students can opt general elective from the Courses offered by other institutes under group 4 in GE category

Note: Internship-I$$: To be completed before start of V Semester, For the same evaluation and credit to be added in V Semester.

Institute of Engineering and Technology
Department of Electronics and Communication Engineering
CHOICE BASED CREDIT SYSTEM
Effective for Academic Session: 2024-25

Program: Bachelor of Technology in Electronics and Communication Engineering

Program Code: B Tech(ECE)

Semester: v

Admission Batch:2022, 2023, 2024

Subject wise Distribution of Marks and corresponding Credits

S. No.	Subject Code	Category	Subject Title	Theory(100 Marks) End Sem	Theory Continuous Internal Evaluation Mid Sem Test (MST)	Theory Attendance/ Quiz /Assig./Prese ntations	Practical End Sem. Exam (ESE)ForPractical and Viva	Practical Continuous Internal Evaluation Lab Work / WPR	Practical Continuous Internal Evaluation Attendance/ Assignment /viva/Lab manual	Total Marks	L	T	P	S (only for design)	SM	NTCC	Credits	Credits Hours
1	EECDCMPC001T	DC	Microprocessor and Microcontroller	60	20	20	-	-	-	100	3	-	-	-	-	-	3	3
2	EECDCVCS001T	DC	VLSI Circuits and Systems	60	20	20	-	-	-	100	3	-	-	-	-	-	3	3
3	To be selected*	DE	Departmental Elective-V*	60	20	20	-	-	-	100	3	-	-	-	-	-	3	3
4	To be selected**	DE	Departmental Elective-VI**	60	20	20	-	-	-	100	3	-	-	-	-	-	3	3
5	To be selected***	DE	Departmental Elective-VII***	60	20	20	-	-	-	100	4	-	-	-	-	-	4	4
6	TO BE SELECTED	DE	Departmental Elective-VIII****	60	20	20	-	-	-	100	3	-	-	-	-	-	3	3
7	EECDCMPC001P	DC	Microprocessor and Microcontroller Lab	-	-	-	30	10	10	50	-	-	2	-	-	-	1	2
8	EECDCVCS001P	DC	VLSI Circuits and Systems	-	-	-	30	10	10	50	-	-	2	-	-	-	1	2
9	To be selected*	DE	Departmental Elective-V Lab*	-	-	-	30	10	10	50			2	-	-	-	1	2
10	To be selected**	DE	Departmental Elective-VI Lab**	-	-	-	30	10	10	50	-	-	2	-	-	-	1	2
11	To be selected**	DE	Departmental Elective-VIII Lab**	-	-	-	30	10	10	50	-	-	2	-	-	-	1	2
12	To be selected$	DSEEC	Departmental Skill Enhancement Elective Course-V$	-	-	-	30	10	10	50	-	-	4	-	-	-	2	4
13	EECDSIIN001N	DSEC	Internship-I$$	-	-	-	-	20	30	50	-	-	-	-	-	20	2	-
	Total			**360**	**120**	**120**	**180**	**80**	**90**	**950**	**19**	**0**	**14**	**-**	**0**	**20**	**28**	**33**

* List of Departmental Elective-V	
Course Code	**Course Name**
EECDELIC001T/P	Linear Integrated Circuit
EECDEIAI001T/P	Introduction to Artifical Intelligence

** List of Departmental Elective-VI	
Course Code	**Course Name**
EECDEIEX001T/P	Industrial Electronics
EECDEOPS001T/P	Operating System

* List of Departmental Elective-VII	
Course Code	**Course Name**
EECDEDCC001T	Data Communication
EECDEIOT001T	IOT and Apploication

*Departmental Skill Enhancement Elective Course-V$	
Course Code	**Course Name**
EECDSWDD001P	Web Design and Development
EECDSSML003P	Simulation and Modelling-III

* List of Departmental Elective-VIII	
Course Code	**Course Name**
EECDETLW001T	Transmission Line and Waveguide
EECDERMD001T	Research Methodology

Institute of Engineering and Technology
Department of Electronics and Communication Engineering
CHOICE BASED CREDIT SYSTEM
Effective for Academic Session: 2024-25

Program: Bachelor of Technology in Electronics and Communication Engineering   **Program Code: B Tech(ECE)**

Semester: VI   **Admission Batch:2022, 2023, 2024**

Subject wise Distribution of Marks and corresponding Credits

S. No.	Subject Code	Category	Subject Title	Theory(100 Marks)			Practical/Studio/NTCC (50 Marks)			Total Marks	Hours/week						Credits	Credits Hours
				End Sem	Continuous Internal Evaluation Mid Sem Test (MST)	Attendance/ Quiz /Assig./Prese ntations	End Sem. Exam (ESE)ForP ractical and Viva	Continuous Internal Evaluation Lab Work / WPR	Attendance/ Assignment /viva/Lab manual		L	T	P	S (only for desig n)	SM	NTCC		
1	EECDCDSP001T	DC	Digital Signal Processing	60	20	20	-	-	-	100	3	-	-	-	-	-	3	3
2	To be selected*	DE	Departmental Elective-IX*	60	20	20	-	-	-	100	3	-	-	-	-	-	3	3
3	To be selected**	DE	Departmental Elective-X**	60	20	20	-	-	-	100	3	-	-	-	-	-	3	3
4	To be selected***	DE	Departmental Elective-XI***	60	20	20	-	-	-	100	4	-	-	-	-	-	4	4
5	To be selected****	DE	Departmental Elective-XII****	60	20	20	-	-	-	100	4	-	-	-	-	-	4	4
6	EECDCDSP001P	DC	Digital Signal Processing Lab	-	-	-	30	10	10	50	-	-	2	-	-	-	1	2
7	To be selected*	DE	Departmental Elective-IX Lab*	-	-	-	30	10	10	50	-	-	2	-	-	..	1	2
8	To be selected**	DE	Departmental Elective-X Lab**	-	-	-	30	10	10	50	-	-	2	-	-	-	1	2
9	EECDPMNP001N	DAP	Minor Project	-	-	-	40	60		50	-	-	-	-	-	12	6	-
10	To be selected$	DSEEC	Departmental Skill Enhancement Elective Course-VI$	-	-	-	30	10	10	50	-	-	4	-	-	-	2	4
	Total			**300**	**100**	**100**	**120**	**80**	**100**	**750**	**17**	**0**	**10**	**-**	**-**	**12**	**28**	**27**

* List of Departmental Elective-IX

Course Code T	Course Name
EECDEAWP001T/P	Antenna and Wave Propagation
EECDENWK001T/P	Neural Network

** List of Departmental Elective-X

Course Code	Course Name
EECDEVLS001T/P	VLSI System Design
EECDENTL001T/P	Nanotechnology

*** List of Departmental Elective-XI

Course Code	Course Name
EECDEOFC001T	Optical Fibre Communication
EECDEEPM001T	Enterprenureship and Management

* List of Departmental Elective-XII

Course Code T	Course Name
EECDECMC001T	Cellular Mobile Communication
EECDEESA001T	Embedded System and its Applications

$ List of Departmental Skill Enhancement Elective Course-VI

Course Code T	Course Name
EECDSIOT001P	IOT Lab
EECDSEMB001P	Embedded System Lab

Note: Internship-I$$: To be completed before start of VII Semester, For the same evaluation and credit to be added in VII Semester.

Institute of Engineering and Technology
Department of Electronics and Communication Engineering
CHOICE BASED CREDIT SYSTEM
Effective for Academic Session: 2024-25

Program: Bachelor of Technology in Electronics and Communication Engineering

Semester: VII

Program Code: B Tech(ECE)

Admission Batch:2022, 2023, 2024

Subject wise Distribution of Marks and corresponding Credits

S. No.	Subject Code	Category	Subject Title	Theory(100 Marks)			Practical/Studio/NTCC (50 Marks)			Total Marks	Hours/week						Credits	Credits Hours
				End Sem	Continuous Internal Evaluation Mid Sem Test (MST)	Attendance/ Quiz /Assig./Prese ntations	End Sem. Exam (ESE)ForP ractical and Viva	Continuous Internal Evaluation			L	T	P	S (only for desig n)	SM	NTCC		
								Lab Work / WPR	Attendance/ Assignment /viva/Lab manual									
1	EECDCMWE001T	DC	Microwave Engineering	60	20	20	-	-	-	100	3	-	-	-	-	-	3	3
2	To be selected*	DE	Departmental Elective-XIII*	60	20	20	-	-	-	100	3	-	-	-	-	-	3	3
3	To be selected**	DE	Departmental Elective-XIV**	60	20	20	-	-	-	100	4	-	-	-	-	-	4	4
4	To be selected***	DE	Departmental Elective-XV***	60	20	20	-	-	-	100	4	-	-	-	-	-	4	4
5	To be selected****	DSEC	Internship*	-	-	-	-	20	30	50	-	-	-	-	-	20	4	-
6	EECDCMWE001P	DC	Microwave Engineering Lab	-	-	-	30	10	10	50	-	-	2	-	-	-	1	2
7	To be selected*	DE	Departmental Elective-XIII Lab*	-	-	-	30	10	10	50	-	-	2	-	-	-	1	2
8	To be selected$	DSEEC	Departmental Skill Enhancement Elective Course-VII$	-	-	-	30	10	10	50	-	-	4	-	-	-	2	4
	Total			**240**	**80**	**80**	**90**	**50**	**60**	**600**	**14**	**0**	**8**	**-**	**-**	**20**	**22**	**22**

* List of Departmental Elective-XIII	
Course Code	Course Name
EECDECNW001T/P	Computer Network
EECDEIIM001T/P	Industrial Instrumentation

** List of Departmental Elective-XIV	
Course Code	Course Name
EECDERDT001T	Radar and Digital TV
EECDESAT001T	Satellite Communication

*** List of Departmental Elective-XV	
Course Code	Course Name
EECDEWLC001T	Wireless Communication
EECDEACS001T	Advanced Control System

$ List of Departmental Skill Enhancement Elective Course	
Course Code	Course Name
EECDSIIN002N	Internship

$ List of Departmental Skill Enhancement Elective Course-VII	
Course Code	Course Name
EECDSVVL001P	Verilog/VHDL Lab
EECDSSML004P	Simulation and Modelling-IV

Institute of Engineering and Technology
Department of Electronics and Communication Engineering
CHOICE BASED CREDIT SYSTEM
Effective for Academic Session: 2024-25

Program: Bachelor of Technology in Electronics and Communication Engineering

Program Code: B Tech(ECE)

Semester: VIII

Admission Batch:2021, 2022, 2023, 2024

Subject wise Distribution of Marks and corresponding Credits

S. No.	Subject Code	Category	Subject Title	Theory(100 Marks)			Practical/Studio/NTCC (50 Marks)			Total Marks	Hours/week						Credits	Credits Hours
				End Sem	Continuous Internal Evaluation Mid Sem Test (MST)	Attendance/ Quiz /Assig./Prese ntations	End Sem. Exam (ESE)ForP ractical and Viva	Continuous Internal Evaluation			L	T	P	S (only for desig n)	SM	NTCC		
								Lab Work / WPR	Attendance/ Assignment /viva/Lab manual									
1	EECDPMJP001N	DAP	Major Project	-	-	-	-	40	60	100	-	-	-	-	-	24	12	-
	Total			-	-	-	-	40	60	100	-	-	-	-	-	24	12	-

Offered Credit Summary

Semester	B.TECH (Discipline: Electronics and Communication Engineering (Hons)
I	26
II	28
III	26
IV	24
V	28
VI	28
VII	22
VIII	12
Total	194

Legends

L= Lecture	1 Hr		1 CR
T= Tutorial	1 Hr		1 CR
P= Practical	2 Hr		1 CR
S= Studio	1 Hr		1.5 CR
NTCC = Non Teaching Credit Course	NA		NA
M= MOOC	SWAYAM/NPTEL		Certificate
BM = Blended MOOC	1 Hr		1 CR

Notes: MOOCS will get credits by SWAYAM or NPTEL Certificates or Blended MOOCs

Institute of Engineering and Technology
Department of Electronics and Communication Engineering
CHOICE BASED CREDIT SYSTEM
Effective for Academic Session: 2024-25

Program: Bachelor of Technology in Electronics and Communication Engineering | **Program Code: B Tech(ECE)**

Semester: III | **Admission Batch:2023**

Subject wise Distribution of Marks and corresponding Credits

S. No.	Subject Code	Category	Subject Title	Theory(100 Marks)			Practical/Studio/NTCC (50 Marks)			Total Marks	Hours/week						Credits	Credits Hours
				End Sem	Continuous Internal Evaluation Mid Sem Test (MST)	Attendance/ Quiz /Assig./Prese ntations	End Sem. Exam (ESE) For Practical and Viva	Continuous Internal Evaluation			L	T	P	S (only for desig n)	SM	NTCC		
								Lab Work / WPR	Attendance/ Assignment /viva/Lab manual									
1	EECDCDEC001T	DC	Digital Electronics	60	20	20	-	-	-	100	3	-	-	-	-	-	3	3
2	EECDCEDC001T	DC	Electronic Devices and Circuit	60	20	20	-	-	-	100	3	-	-	-	-	-	3	3
3	To be selected*	DE	Departmental Elective-I*	60	20	20	-	-	-	100	4	-	-	-	-	-	4	4
4	To be selected**	DE	Departmental Elective-II**	60	20	20	-	-	-	100	3	1	-	-	-	-	4	4
5	To be selected##	GE	General Elective-3## (One From offered University List)	60	20	20	-	-	-	100	4	-	-	-	4	-	4	4
6	EECDCDEC001P	DC	Digital Electronics Lab	-	-	-	30	10	10	50	-	-	2	-	-	-	1	2
7	EECDCEDC001P	DC	Electronic Devices and Circuit Lab	-	-	-	30	10	10	50	-	-	2	-	-	-	1	2
8	To be selected$	DSEEC	Departmental Skill Enhancement Elective Course-III$	-	-	-	30	10	10	50	-	-	4	-	-	-	2	4
	Total			300	100	100	90	30	30	650	17	1	8	-	4	-	22	26

* List of Departmental Elective-I			** List of Departmental Elective-II	
Course Code	**Course Name**		**Course Code**	**Course Name**
EECDESAS001T	Signal and System		EECDEEMT001T	Electro Magnetic Theory
ECSDEJIP001T	JAVA and Internet Programming		EECDECSO001T	Computer System Organization

$ List of Departmental Skill Enhancement Elective Course-III			Details of GE Offered	
Course Code	**Course Name**		**Course Code**	**Course Name**
ESSDSDSA001P	Data Structure and Algorithums		EECGEDEC003B	Digital Electronic Circuits
EECDSPYT001P	Python Programming Lab -I			
ECSDSJAV001P	JAVA Programming Lab			

Students can opt general elective from the Courses offered by other institutes under group 3 in GE category

Institute of Engineering and Technology
Department of Electronics and Communication Engineering
CHOICE BASED CREDIT SYSTEM
Effective for Academic Session: 2024-25

Program: Bachelor of Technology in Electronics and Communication Engineering

Program Code: B Tech(ECE)

Semester: VII

Admission Batch:2021

Subject wise Distribution of Marks and corresponding Credits

S. No.	Subject Code	Category	Subject Title	Theory(100 Marks) End Sem	Theory(100 Marks) Continuous Internal Evaluation Mid Sem Test (MST)	Theory(100 Marks) Attendance/Quiz /Assig./Presentations	Practical/Studio/NTCC (50 Marks) End Sem. Exam (ESE)ForPractical and Viva	Practical/Studio/NTCC (50 Marks) Continuous Internal Evaluation Lab Work / WPR	Practical/Studio/NTCC (50 Marks) Continuous Internal Evaluation Attendance/Assignment /viva/Lab manual	Total Marks	L	T	P	S (only for design)	SM	NTCC	Credits	Credits Hours
1	EECDCMWE001T	DC	Microwave Engineering	60	20	20	-	-	-	100	3	-	-	-	-	-	3	3
2	To be selected*	DE	Departmental Elective-XII*	60	20	20	-	-	-	100	3	-	-	-	-	-	3	3
3	To be selected**	DE	Departmental Elective-XIII**	60	20	20	-	-	-	100	4	-	-	-	-	-	4	4
4	To be selected***	DE	Departmental Elective-XIV***	60	20	20	-	-	-	100	4	-	-	-	-	-	4	4
5	To be selected****	DSEC	Internship-II	-	-	-	-	20	30	50	-	-	-	-	-	20	4	-
6	EECDCMWE001P	DC	Microwave Engineering Lab	-	-	-	30	10	10	50	-	-	2	-	-	-	1	2
7	To be selected*	DE	Departmental Elective-XII Lab*	-	-	-	30	10	10	50	-	-	2	-	-	-	1	2
8	To be selected$	DSEEC	Departmental Skill Enhancement Elective Course-VII$	-	-	-	30	10	10	50	-	-	4	-	-	-	2	4
9	To be selected$$	DSEC	Departmental Skill Enhancement Elective Course-VIII$	-	-	-	30	10	10	50	-	-	4	-	-	-	2	4
10	To be selected$$$	DSEC	Departmental Skill Enhancement Elective Course-IX$	-	-	-	30	10	10	50	-	-	4	-	-	-	2	4
	Total			240	80	80	150	70	80	700	14	0	16	-	-	20	26	30

* List of Departmental Elective-XII	
Course Code	Course Name
EECDECNW001T/P	Computer Network
EECDEVLS001T/P	VLSI System Design

** List of Departmental Elective-XIII	
Course Code	Course Name
EECDEWLC001T	Wireless Communication
EECDEACS001T	Advanced Control System

***List of Departmental Elective-XIV	
Course Code	Course Name
EECDESAT001T	Satellite Communication
EECDEFZL001T	Fuzzy Logic

$ List of Departmental Skill Enhancement Elective Course-VII	
Course Code	Course Name
EECDSVVL001P	Verilog/VHDL Lab
EECDSSML004P	Simulation and Modelling-IV

$ List of Departmental Skill Enhancement Elective Course-IX	
Course Code	Course Name
EECDSTWR001P	Technical Writing
EECDSAPD001P	Application Development

$ List of Departmental Skill Enhancement Elective Course-VIII	
Course Code	Course Name
EECDSDIP001P	Digital Image Processing Lab
EECDSIPR001P	Intelectual Property Rights

Course Code	Course Name
EECDSIIN002N	Industrial Internship-II

Note:	DSEC	Internship-II$$	To be completed before start of VII Semester, For the same evaluation and credit to be added in VII Semester.