

### SAGE University, Indore

## Institute of Engineering and Technology Department of Electronics and Communication Engineering CHOICE BASED CREDIT SYSTEM

Effective for Academic Session: 2024-25

**Bachelor of Technology in Electronics and Communication Engineering** Program: Semester:

Program Code: B Tech(ECE) Admission Batch:2024-25

Subject wise Distribution of Marks and corresponding Credits

							M	laximum N	Marks Allotted									<u> </u>
				T	heory(100 Ma	rks)	Practical/S	tudio/NTC	CC (50 Marks)	Total Marks			Но	urs/we	ek			
S. No.	o. Subject Code	Category	Subject Title		Continuous Internal Evaluation Mid Sem Test (MST)	Attendance/ Quiz	TO 1.0		Continuous Internal Evaluation					S (only			Credits	Credits Hours
				End Sem		/Assig./Prese ntations	(ESE) For Practical and Viva	Lab Work / WPR	Attendance/ Assignment /viva/Lab manual		L	T	P	for desig n)	SM	NTCC		Hours
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	-	1	-	-	-	3	3
5	EMEDCEGP001T	DC	Engineering Graphics	60	20	20	1	1	-	100	2	-	1	-	-	-	2	2
6	To be selected##	GE	General Elective-1## ( One From offered University List)	60	20	20	1	1	-	100	4	- 1	1	-	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 <sup>\$</sup>	DSEEC	Departmental Skill Enhancement Elective Course-I <sup>S</sup>	-	-	-	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

# Program:

Semester:

## Institute of Engineering and Technology

### **Department of Electronics and Communication Engineering**

### CHOICE BASED CREDIT SYSTEM Effective for Academic Session: 2024-25

**Bachelor of Technology in Electronics and Communication Engineering** 

Admission Batch: 2024-25

Program Code: B Tech(ECE)

							M	laximum N	Iarks Allotted									
				TI	heory(100 Ma	rks)	Practical/S	tudio/NTC	C (50 Marks)	Total Marks			Н	ours/we	ek			
S. No.	Subject Code	Category	Subject Title		Continuous Internal	Attendance/	End Sem. Exam		ous Internal lluation					S (only			Credits	Credits
				End Sem	Evaluation Mid Sem Test (MST)	Quiz /Assig./Prese ntations	(ESE)ForP ractical and Viva	Lab Work / WPR	Attendance/ Assignment /viva/Lab manual		L	Т	P	for desig n)	SM	NTCC		Hours
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	-	ı	-	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 <sup>S</sup>	-	-	-	30	10	10	50	-	1	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 Do	\$ List of Departmental Skill Enhancement Elective Course-II							
Course Code	Course Name							
EECDSWSP001P	Workshop Practice							
EECDSSML001P	Simulation and Modelling-I							
EECDSOPJ001P	Object Oriented Programming in Java							

Details of GE Offered						
Course Code	Course Name					
EECGEECD001B	Electronic Circuits and Devices					

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** 

Semester:

Program Code: B Tech(ECE) Admission Batch:2024-25

	Semester.	111		Subject	wise Distribu	tion of Marks	and corresp	onding Cı	edits					<u> </u>			on Daten.20	
							M	laximum M	Iarks Allotted									
				Tl	neory(100 Ma	rks)	Practical/S	tudio/NTC	C (50 Marks)	Total Marks			Но	urs/we	ek	_		
S. No.	Subject Code	Category	Subject Title		Internal Evaluation	Attendance/	End Com		Continuous Internal Evaluation					S (only			Credits	Credits
				End Sem			(ESE) For Practical and Viva	Lab Work / WPR	Attendance/ Assignment /viva/Lab manual		L	Т	P	for desig n)	SM	NTCC		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 <sup>##</sup> ( One From offered University List)	60	20	20	-	-	-	100	4	1	-		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 <sup>\$</sup>	DSEEC	Departmental Skill Enhancement Elective Course-III <sup>\$</sup>	-	-	-	30	10	10	50	-	1	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			
	ECCDSIAV001D	IAVA Programming Lah	IAVA Programming Lah						

## 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 Semester: IV

ion Engineering

Program Code: B Tech(ECE)
Admission Batch:2023, 2024

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

* 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.

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## 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: v

Program Code: B Tech(ECE)
Admission Batch: 2022, 2023, 2024

Subject wise Distribution of Marks and corresponding Credits Maximum Marks Allotted Total Theory(100 Marks) Practical/Studio/NTCC (50 Marks) Hours/week Marks **Continuous Internal** Subject Code Continuous End Sem. S S. No. Category Subject Title Evaluation Credits Attendance Credits Internal Exam (only Hours Quiz End Sem **Evaluation** (ESE)ForP  $\mathbf{L}$ T P for SM NTCC Attendance/ Assig./Prese Lab Mid Sem ractical desig Assignment ntations Work / Test (MST) and Viva n) /viva/Lab WPR manual EECDCMPC001T DC Microprocessor and Microcontroller 20 EECDCVCS001T DC VLSI Circuits and Systems 20 20 100 3 3 60 20 100 3 3 3 To be selected\* DE Departmental Elective-V\* 20 3 DE 60 100 3 3 4 To be selected\* Departmental Elective-VI\*\* 20 20 3 -5 DE 20 100 4 4 4 To be selected\*\* Departmental Elective-VII\*\* 60 20 6 TO BE SELECTED DE Departmental Elective-VIII\*\*\*\* 60 20 20 100 3 3 3 \_ -EECDCMPC001P DC Microprocessor and Microcontroller Lab 30 10 10 50 2 2 8 EECDCVCS001P DC VLSI Circuits and Systems 30 10 10 50 2 2 9 2 To be selected\* DE Departmental Elective-V Lab\* 30 10 10 50 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 2 Departmental Skill Enhancement Elective 12 DSEEC 30 10 10 50 4 2 4 To be selected<sup>\$</sup> Course-V<sup>\$</sup>

120

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

Total

Internship-ISS

360

120

DSEC

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

180

20

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

20

20

2

28

33

*Depar	tmental 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

Bachelor of Technology in Electronics and Communication Engineering Program.

Semester:

Program Code: B Tech(ECE) Admission Batch: 2022, 2023, 2024

				Subject	t wise Distribu	tion of Marks	and corresp	onding Cı	edits									
			Subject Title	Maximum Marks Allotted														
	Subject Code			Theory(100 Marks)			Practical/Studio/NTCC (50 Marks)			Total Marks	Hours/			urs/we	ek			
S. No.		Category			Continuous Internal	Attendance/	End Sem		ous Internal duation					S (only			Credits	Credits
				End Sem	Evaluation Mid Sem Test (MST)		(ESE)ForP ractical and Viva	Lab Work / WPR	Attendance/ Assignment /viva/Lab manual		L	T	P	for desig n)	SM	NTCC		Hours
1	EECDCDSP001T	DC	Digital Signal Processing	60	20	20	-	-	-	100	3	-	1	-	-	-	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	1	•	-	1	-	4	4
6	EECDCDSP001P	DC	Digital Signal Processing Lab	-	-	-	30	10	10	50	-	1	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 <sup>\$</sup>	DSEEC	Departmental Skill Enhancement Elective Course-VI <sup>S</sup>	-	-	-	30	10	10	50	-	-	4	-	-	-	2	4
1	Total		300	100	100	120	80	100	750	17	0	10	-	-	12.	28	27	

	* List of Departmental Elective-IX	** List of D	epartmental Elective-X
Course Code T	Course Name	Course Code	Course Name
EECDEAWP001T/P	Antenna and Wave Propagation	EECDEVLS001T/P	VLSI System Design
EECDENWK001T/P	Neural Network	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.

# "Program:

## Institute of Engineering and Technology Department of Electronics and Communication Engineering CHOICE BASED CREDIT SYSTEM

## Effective for Academic Session: 2024-25

Bachelor of Technology in Electronics and Communication Engineering

VII Semester:

Program Code: B Tech(ECE)

Admission Batch: 2022, 2023, 2024

	Subject wise Distribution of Marks and corresponding Credits																	
			Subject Title	Maximum Marks Allotted														
				Theory(100 Marks)			Practical/Studio/NTCC (50 Marks)			Total Marks		Hours/week						
S. No.	Subject Code	Category			Continuous Internal Evaluation Mid Sem Test (MST)	Attendance/ Quiz /Assig./Prese	Exam (ESE)ForP	Evaluation						S (only			Credits	Credits Hours
				End Sem				Lab Work / WPR	Attendance/ Assignment /viva/Lab manual		L	Т	P	for desig n)	SM	NTCC		nours
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	1	-	2	-	-	-	1	2
7	To be selected*	DE	Departmental Elective-XIII Lab*	1	-	-	30	10	10	50	1	1	2	-	-	-	1	2
8	To be selected <sup>\$</sup>	DSEEC	Departmental Skill Enhancement Elective Course-VII <sup>S</sup>	-	-	-	30	10	10	50	-	-	4	-	1	-	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					
Γ	EECDERDT001T	Radar and Digital TV					
Γ	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	EECDSSML004P Simulation and Modelling-IV						

# Program:

Semester:

VIII

## Institute of Engineering and Technology Department of Electronics and Communication Engineering CHOICE BASED CREDIT SYSTEM

## Effective for Academic Session: 2024-25

Bachelor of Technology in Electronics and Communication Engineering

Program Code: B Tech(ECE)

Admission Batch: 2021, 2022, 2023, 2024

L		Subject wise Distribution of Marks and corresponding Credits  Maximum Marks Allotted																	
					Theory(100 Marks)			Practical/Studio/NTCC (50 Marks)			Total Marks	Hours/week			eek				
	S. No.	Subject Code	Category	Subject Title		Continuous Internal	Attendance/ Quiz	End Sem. Exam		ous Internal Iluation					S (only			Credits	Credits Hours
					End Sem	Evaluation Mid Sem Test (MST)	/Assig./Prese ntations	(ESE)ForP ractical and Viva	Lab Work / WPR	Attendance/ Assignment /viva/Lab manual		L	Т	P	for desig n)	SM	NTCC		
Ī	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						

I	-egends	
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



EECDSPYT001P

ECSDSJAV001P

## 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: III

Program Code: B Tech(ECE)
Admission Batch:2023

Semester:	1111														2 Tulling	sion Datch.	1023
1	1	1	Subject	wise Distribu	tion of Marks											1	
						M	laximum N	1arks Allotted	TC 4 1								
Subject Code		tegory Subject Title	Theory(100 Marks) Pra				Practical/Studio/NTCC (50 Marks)				Hours/we						
	Category			Continuous Internal	Attendance/	End Sem. Exam	Continuous Internal Evaluation						S (only			Credits	Credits
			End Sem	Evaluation Mid Sem Test (MST)	/Assig./Prese ntations	(ESE) For Practical and Viva	Lab Work / WPR	Attendance/ Assignment /viva/Lab manual		L	Т	P	for desig n)	SM	NTCC		Hours
EECDCDEC001T	DC	Digital Electronics	60	20	20	-	1	-	100	3	-	1	-	-	-	3	3
EECDCEDC001T	DC	Electronic Devices and Circuit	60	20	20	-	-	-	100	3	-	-	-	-	-	3	3
To be selected*	DE	Departmental Elective-I*	60	20	20	-	-	-	100	4	-	-	-	-	-	4	4
To be selected**	DE	Departmental Elective-II**	60	20	20	-	1	-	100	3	1	-	-	-		4	4
To be selected##	GE	General Elective-3 <sup>##</sup> ( One From offered University List)	60	20	20	-	-	-	100	4	-	1	-	4	-	4	4
EECDCDEC001P	DC	Digital Electronics Lab	-	-	-	30	10	10	50	-	-	2	-	-	-	1	2
EECDCEDC001P	DC	Electronic Devices and Circuit Lab	-	-	-	30	10	10	50	-	-	2	-	-	-	1	2
To be selected <sup>\$</sup>	DSEEC	Departmental Skill Enhancement Elective Course-III <sup>\$</sup>	-	-	-	30	10	10	50	-		4	-	-	-	2	4
	Total	•	300	100	100	90	30	30	650	17	1	8	-	4	-	22	26
	* List of	f Departmental Elective-I					** List of I	Departmental Ele	ctive-II					1			
Course Code		Course Name			Course	Code				ne				1			
EECDESAS001T Signal and System					EECDEE	MT001T		Electro	Magnetic	Theor	y			1			
ECSDEJIP001T		JAVA and Internet Programming			EECDEC	SO001T		Computer	System O	rganiza	ition						
\$ Li	ist of Departmenta	l Skill Enhancement Elective Course-III		1			Deta	ils of GE Offered	i					1			
					Course	Code				ne				1			
ESSDSDSA001P		Data Structure and Algorithums									ts			1			
	EECDCDEC001T  EECDCEDC001T  To be selected*  To be selected##  EECDCDEC001P  EECDCEDC001P  To be selected\$  Course Code  EECDESAS001T  ECSDEJIP001T  \$ L.  Course Code	EECDCDEC001T DC  EECDCEDC001T DC  To be selected* DE  To be selected** DE  To be selected## GE  EECDCEC001P DC  EECDCEC001P DC  To be selected\$ DSEEC  Total  * List of Departmenta  Course Code	EECDCDEC001T DC Digital Electronics  EECDCEDC001T DC Electronic Devices and Circuit  To be selected* DE Departmental Elective-II*  To be selected** DE Departmental Elective-II**  To be selected## GE General Elective-3## (One From offered University List)  EECDCDEC001P DC Digital Electronics Lab  EECDCEDC001P DC Electronic Devices and Circuit Lab  Departmental Skill Enhancement Elective Course-III*  * List of Departmental Elective-I  Course Code Course Name  EECDESAS001T Signal and System  JAVA and Internet Programming  \$ List of Departmental Skill Enhancement Elective Course-III  Course Code Course Name  \$ List of Departmental Skill Enhancement Elective Course-III  Course Code Course Name	Subject Code  Category  Subject Title  End Sem  EECDCDEC001T DC Digital Electronics 60 EECDCEDC001T DC Electronic Devices and Circuit 60 To be selected* DE Departmental Elective-I* 60 To be selected** DE Departmental Elective-II** 60 To be selected## GE General Elective-3## (One From offered University List) EECDCDEC001P DC Digital Electronics Lab EECDCEDC01P DC Electronic Devices and Circuit Lab - EECDCEDC01P To be selected* DSEEC Departmental Skill Enhancement Elective Course-III\$  Total  * List of Departmental Elective-I  Course Code ECOURS Name EECDESAS001T ECSDEJIP001T  Signal and System JAVA and Internet Programming  \$ List of Departmental Skill Enhancement Elective Course-III  Course Code Course Name  \$ List of Departmental Skill Enhancement Elective Course-III  Course Code Course Name	Subject Code	Subject Code	Subject Code	Subject Code	Subject Code	Subject Code	Subject Code	Subject Code   Category   Subject Title   Theory(100 Marks)   Practical/Studio/NTCC (50 Marks)   Marks   Marks   Marks   Marks	Subject Code   Category   Subject Title   Theory(100 Marks)   Practical/Studio/NTCC (50 Marks)   Marks   Mar	Subject Code   Category   Subject Title   Theory(100 Marks)   Theory(100 Marks)   Practical/Studio/NTCC (50 Marks)   Marks   Marks   Morks   Marks   Morks   Marks   Marks	Subject Code   Category   Subject Title   Theory(100 Marks)   Practical/Studio/NTCC (50 Marks)   Maximum Marks Allotted   Theory(100 Marks)   Practical/Studio/NTCC (50 Marks)   Marks   Marks   Hours/week	Subject Code   Category   Subject Title   End Sem   End Sem   End Sem   End Sem   Test (MST)   Category   Subject Title   End Sem   End Sem   End Sem   Evaluation   Mid Sem   Test (MST)   Mid Sem   Mid Sem   Test (MST)   Mid Sem   Mid Sem   Test (MST)   Mid Sem   Mid Sem   Test (MST)   Mid Sem   Test (MST)   Mid Sem   Mid Sem	Subject Code   Category   Subject Title   Theory(100 Marks)   Practical/Studio/NTCC (50 Marks)   Marks Allotted   Practical/Studio/NTCC (50 Marks)   Marks   Marks

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

Python Programming Lab -I

JAVA Programming Lab

## SACTE UNIVERSITY OF STREET

Semester:

### Institute of Engineering and Technology

#### Department of Electronics and Communication Engineering

### CHOICE BASED CREDIT SYSTEM

Program: Bachelor of Technology in Electronics and Communication Engineering

Effective for Academic Session: 2024-25

Program Code: B Tech(ECE)
Admission Batch:2021

Subject wise Distribution of Marks and corresponding Credits Maximum Marks Allotted Total Theory(100 Marks) Practical/Studio/NTCC (50 Marks) Hours/week Marks Subject Code S. No. Category Subject Title Continuous Internal Evaluation Continuous Credits Hours Attendance/Quiz End Sem. Exar Credits Internal (only End Sem /Assig./Presentati (ESE)ForPracti T SM NTCC Evaluation Mid for cal and Viva Attendance/Assign Sem Test (MST) design Lab Work / ment /viva/Lab WPR manual EECDCMWE001T 60 DC Microwave Engineering 20 20 100 To be selected DE Departmental Elective-XII\* 60 20 20 100 Departmental Elective-XIII\* DE 60 20 20 100 To be selected\* Departmental Elective-XIV\* 4 DE 60 20 20 100 4 To be selected\*\* DSEC Internship-II 20 30 50 20 4 5 To be selected\* Microwave Engineering Lab 6 EECDCMWE001P DC 30 10 10 50 DE 50 To be selected\* Departmental Elective-XII Lab\* 30 10 10 2 2 Departmental Skill Enhancement Elective Course-8 DSEEC 50 4 2 4 30 10 10 To be selected<sup>S</sup> VIIS Departmental Skill Enhancement Elective To be selected \$\$ DSEC 30 10 10 50 4 2 4 Course-VIII<sup>\$</sup> Departmental Skill Enhancement Elective 10 To be selected \$\$\$ DSEC 30 10 10 50 4 2 4 Course-IX\$ Total 240 80 80 150 70 80 700 14 26 30 16

* 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 <sup>\$\$</sup>

To be completed before start of VII Semester, For the same evaluation and credit to be added in VII Semester.