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: | Master of Technology in Digital Communication | | Program Code: M Tech(DC) |
| 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	Lab Work / WPR	Attendance/Assignment /viva/Lab manual		L	T	P	S (only for design)	SM	NTCC		
1	EECDCVLS001T	DC	VLSI Design	60	20	20	-	-	-	100	4	-	-	-	-	-	4	4
2	EBSDCAMT001T	DC	Advanced Mathematics	60	20	20	-	-	-	100	3	1	-	-	-	-	4	4
3	EECDCDSP001T	DC	DSP Application	60	20	20	-	-	-	100	3	-	-	-	-	-	3	3
4	EECDCMOC001T	DC	Mobile Communication	60	20	20	-	-	-	100	4	-	-	-	-	-	4	4
5	To be selected	DE	Departmental Elective-I	60	20	20	-	-	-	100	4	-	-	-	-	-	4	4
6	EECDCDSP001P	DC	DSP Application Lab	-	-	-	30	10	10	50	-	-	2	-	-	-	1	2
7	To be selected$	DSEC	Departmental Skill Enhancement Elective Course-I$	-	-	-	30	10	10	50	-	-	2	-	-	-	2	4
	Total			**300**	**100**	**100**	**60**	**20**	**20**	**600**	**18**	**1**	**4**	**-**	**0**	**-**	**22**	**25**

$ List of Departmental Skill Enhancement Elective Course-I	
Course Code	**Course Name**
EECDSAVD001P	Advanced VLSI Design Lab
EECDSPCL001P	Processor Lab

Departmental Elective-I	
Course Code	**Course Name**
EECDEMCS001T	Microcontroller and System Design
EECDEESI001T	Embedded System and IOT

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

Program: Master of Technology in Digital Communication

Program Code: M Tech(DC)

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./Presentations	End Sem. Exam (ESE)ForPractical 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	EECDCONW001T	DC	Optical Network	60	20	20	-	-	-	100	3	-	-	-	-	1	3	3
2	EECDCDIP001T	DC	Digital Image Processing	60	20	20	-	-	-	100	4	-	-	-	-	-	4	4
3	EECDCFOC001T	DC	Fibre Optic communication Network	60	20	20	-	-	-	100	4	-	-	-	-	-	4	4
4	To be selected	DE	Departmental Elective-II	60	20	20	-	-	-	100	4	-	-	-	-	-	4	4
5	To be selected	DE	Departmental Elective-III	60	20	20	-	-	-	100	4	-	-	-	-	-	4	4
6	EECDCONW001P	DC	Optical Network Lab	-	-	-	30	10	10	50	-	-	2	-	-	-	1	2
7	To be selected$	DSEC	Departmental Skill Enhancement Elective Course-II$	-	-	-	30	10	10	50	-	-	2	-	-	-	2	4
	Total			**300**	**100**	**100**	**60**	**20**	**20**	**600**	**19**	**-**	**4**	**-**	**-**	**-**	**22**	**25**

List of Departmental Elective-II	
Course Code	Course Name
EECDESAC001T	Satellite Communication
EECDEMTS001T	Modern Telecommunication Switching System

List of Departmental Elective-III	
Course Code	Course Name
EECDENDT001T	Network Design Technology
EECDESAM001T	Smart Antennas for Mobile Communication

$ List of Departmental Skill Enhancement Elective Course-II	
Course Code	Course Name
EECDSCOM001P	Advanced Communication Lab
EECDSESL001P	Embedded System Lab

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

Program: Master of Technology in Digital Communication
Semester: III

Program Code: M Tech(DC)
Admission Batch: 2024-25, 2023-24

Subject wise Distribution of Marks and corresponding Credits

S. No.	Subject Code	Category	Subject Title	Maximum Marks Allotted						Total Marks	Hours/week						Credits	Credits Hours
				Theory(100 Marks)			Practical/Studio/NTCC (50 Marks)											
				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		
								Lab Work / WPR	Attendance/Assign ment /viva/Lab manual									
1	EECDCOPT001T	DC	Optimization Technique	60	20	20	-	-	-	100	4	-	-	-	-	-	4	4
2	EECDCRMI001T	DC	Research Methodology, Innovation and Intellectual Property Rights (IPR)	60	20	20	-	-	-	100	4	-	-	-	-	-	4	4
3	To be selected	DE	Departmental Elective-IV	60	20	20	-	-	-	100	4	-	-	-	-	-	4	4
4	To be selected	DE	Departmental Elective-V	60	20	20	-	-	-	100	4	-	-	-	-	-	4	4
5	EECDSINT01N	DSEC	Internship	-	-	-	-	20	30	50	-	-	-	-	-	20	2	-
6	EECDPDIP001N	DAP	Dissertation Part-I*	-	-	-	-	40	60	100	-	-	-	-	-	12	6	-
	Total			**240**	**80**	**80**	**-**	**60**	**90**	**550**	**16**	**-**	**-**	**-**	**-**	**32**	**24**	**16**

* List of Departmental Elective-IV	
Course Code	**Course Name**
EECDEADC001T	Advanced Digital Communication
EECDEITC001T	Information Theory Coding

List of Departmental Elective-V	
Course Code	**Course Name**
EECDEOTM001T	Optical Instrumentation and Measurement
EECDESYP001T	System Programming

Institute of Engineering and Technology

Department of Electronics and Communication Engineering

CHOICE BASED CREDIT SYSTEM

Effective for Academic Session: 2024-25

Program: Master of Technology in Digital Communication	**Program Code: M Tech(DC)**
Semester: IV	**Admission Batch: 2024-25, 2023-24**

Subject wise Distribution of Marks and corresponding Credits

S. No.	Subject Code	Category	Subject Title	Maximum Marks Allotted						Total Marks	Hours/week						Credits	Credits Hours
				Theory(100 Marks)			Practical/Studio/NTCC (50 Marks)											
				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		
								Lab Work / WPR	Attendance/Assignment /viva/Lab manual									
1	To be selected$	DSEC	Departmental Skill Enhancement Elective Course-III$	-	-	-	30	10	10	50	-	-	4	-	-	-	2	4
2	EECDPDIP002N	DAP	Dissertation Part-II	-	-	-	-	40	60	100	-	-	-	-	-	24	15	-
	Total			-	-	-	30	50	70	150	0	0	4	-	-	24	**17**	**4**

$List of Departmental Skill Enhancement Elective Course-III

Course Code	Course Name
EECDSTWR001B	Blended MOOC Courses (Technical Writing)
EECDSAPD001B	Blended MOOC Courses (Application Development)
EECDSIPR001B	Blended MOOC Courses (Intellectual Property Rights)