



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
Semester: I

Program Code: M Tech(DC)

Admission Batch: 2024-25

Subject wise Distribution of Marks and corresponding Credits

S. No.	Subject Code	Category	Subject Title	Maximum Marks Allotted													Credits	Credits Hours	
				Theory(100 Marks)			Practical/Studio/NTCC (50 Marks)				Total Marks	Hours/week							
				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	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	2	
Total				300	100	100	60	20	20	600	18	1	4	-	0	-	22	23	

§ 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
EECDMCS001T	Microcontroller and System Design
EECDSESI001T	Embedded System and IOT



Program: Master of Technology in Digital Communication
Semester: II

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S. No.	Subject Code	Category	Subject Title	Maximum Marks Allotted													Credits	Credits Hours
				Theory(100 Marks)			Practical/Studio/NTCC (50 Marks)			Total Marks	Hours/week							
				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		
								Lab Work / WPR	Attendance/Assignment /viva/Lab manual									
1	EECDCONW001T	DC	Optical Network	60	20	20	-	-	-	100	3	-	-	-	-	-	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	2
Total				300	100	100	60	20	20	600	19	-	4	-	-	-	22	23

List of Departmental Elective-II	
Course Code	Course Name
EECDSEAC001T	Satellite Communication
EECDSEMS001T	Modern Telecommunication Switching System

List of Departmental Elective-III	
Course Code	Course Name
EECDENDT001T	Network Design Technology
EECDSEAM001T	Smart Antennas for Mobile Communication

\$ List of Departmental Skill Enhancement Elective Course-II	
Course Code	Course Name
EECDSECOM001P	Advanced Communication Lab
EECDSESL001P	Embedded System Lab



Program:
Semester:

Master of Technology in Digital Communication
III

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

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													Credits	Credits Hours	
				Theory(100 Marks)			Practical/Studio/NTCC (50 Marks)				Total Marks	Hours/week							
				End Sem	Continuous Internal Evaluation Mid Sem Test (MST)	Attendance/Quiz /Assig./Presentati ons	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	EEDCOPT001T	DC	Optimization Technique	60	20	20	-	-	-	100	4	-	-	-	-	-	4	4	
2	EEDCRMI001T	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	EECDPIP001N	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
EECDESY001T	System Programming



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Subject wise Distribution of Marks and corresponding Credits

S. No.	Subject Code	Category	Subject Title	Maximum Marks Allotted													Credits	Credits Hours	
				Theory(100 Marks)			Practical/Studio/NTCC (50 Marks)				Total Marks	Hours/week							
				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	2	
2	EECDPDIP002N	DAP	Dissertation Part-II	-	-	-	-	40	60	100	-	-	-	-	-	24	15	-	
Total				-	-	-	30	50	70	150	0	0	4	-	-	24	17	2	

\$List of Departmental Skill Enhancement Elective Course-III

Course Code	Course Name
EECDSTWR001B	Blended MOOC Courses (Technical Writing)
EECD SAPD001B	Blended MOOC Courses (Application Development)
EECD SIPR001B	Blended MOOC Courses (Intellectual Property Rights)