

# MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

Department of Electronics Engineering

## Scheme of Examination (For Batch admitted in Year 2023-24)

**B.Tech. I Semester (Electronics & Telecommunication Engineering)** [For batches admitted in Academic Session 2023-24 onwards]

S. No.	Subject Code	Category Code	Subject Name	Maximum Marks Allotted							Total Marks	Contact Hours per week			Total Credits	Mode of Teaching	Mode of Exam.	Duration of Exam
				Theory Slot				Practical Slot				L	T	P				
				End Sem.		Mid Sem. Exam.	Quiz/ Assignment	End Sem.	Lab Work & Sessional	Skill Based Mini Project								
				End Term Evaluation	Proficiency in subject /course													
1.	3100022	BSC	Basic Electrical & Electronics Engineering	50	10	20	20	40	30	30	200	2	1	2	4	Blended	MCQ	1.5 Hrs
2.	3200121	DC	Electronic Engineering Materials	50	10	20	20	-	-	-	100	3	-	-	3	Blended	PP	2 Hrs
3.	3200122	DC	Electronic Devices	50	10	20	20	-	-	-	100	2	1	-	3	Blended	PP	2 Hrs
4.	3200123	DC	Network Theory	50	10	20	20	-	-	-	100	2	1	-	3	Blended	PP	2 Hrs
5.	3200125	ESC	Computer Programming	50	10	20	20	40	30	30	200	2	1	2	4	Blended	AO	2 Hrs
6.	3200124	DLC	Devices & Network Lab	-	-	-	-	40	30	30	100	-	-	4	2	Offline	SO	2 Hrs
<b>Total</b>				<b>250</b>	<b>50</b>	<b>100</b>	<b>100</b>	<b>120</b>	<b>90</b>	<b>90</b>	<b>800</b>	<b>11</b>	<b>4</b>	<b>8</b>	<b>19</b>			
6	3000002	Natural Sciences and Skills	Engineering Chemistry	50	10	20	20	30	10	10	150	1	-	2	GRADE	Blended	MCQ	1.5 Hrs
Induction programme of three weeks (MC):Physical activity, Creative Arts, Universal Human Values ,Literary ,Proficiency Modules, Lectures by Eminent People, Visits to local Areas, Familiarization to Dept./Branch & Innovations.																		

**\*Proficiency in course/subject – includes the weightage towards ability/ skill/ competency /knowledge level /expertise attained etc. in that particular course/subject** Natural Sciences& Skills: Engineering Physics / Engineering Chemistry / Environmental Science/ Language

MCQ: Multiple Choice Question AO: Assignment + Oral OB: Open Book PP: Pen Paper SO: Submission + Oral

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Mode of Teaching				Mode of Examination				Total Credits	
Theory			Lab	Theory			Lab		
Offline	Online	Blended		Offline	PP	A+O	MCQ	SO	
		Offline	Online						
0	0	10	5	8	9	4	4	2	19
0%	0%	52.63%	26.31%	42.10%	47.36%	21.05%	21.05%	10.5%	

# MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous Institute, Affiliated to RGPV, Bhopal (M.P.) India)

**NAAC Accredited with A++ Grade**

## B.Tech. II Semester (Electronics & Telecommunication Engineering) (for batch admitted in academic session 2023-24)

S. No.	Subject Code	Category Code	Subject Name	Maximum Marks Allotted							Total Marks	Contact Hours per week			Total Credits	Mode of Teaching	Mode of Exam.	Duration of Exam
				Theory Slot				Practical Slot				L	T	P				
				End Sem.		Mid Sem. Exam.	Quiz/Assignment	End Sem.	Lab Work & Sessional	Skill Based Mini Project								
				End Term Evaluation	Proficiency in subject/course													
1.	3100011	BSC	Engineering Mathematics –I	50	10	20	20	-	-	-	100	3	1	-	4	Offline	PP	2 Hrs
2.	3200221	DC	Digital Circuits & Systems	50	10	20	20	40	30	30	200	2	1	2	4	Blended	PP	2 Hrs
3.	3200222	DC	Electronics Circuits	50	10	20	20	40	30	30	200	2	1	2	4	Blended	PP	2 Hrs
4.	3200223	DC	Signals and Systems	50	10	20	20	-	-	-	100	2	1	-	3	Blended	PP	2 Hrs
5.	3200224	DC	Python Programming	50	10	20	20	40	30	30	200	2	1	2	4	Blended	AO	1.5 Hrs
<b>Total</b>				<b>250</b>	<b>50</b>	<b>100</b>	<b>100</b>	<b>120</b>	<b>90</b>	<b>90</b>	<b>800</b>	<b>11</b>	<b>5</b>	<b>6</b>	<b>19</b>			
6	3000001	Natural Sciences and Skills	Engineering Physics	50	10	20	20	-	-	-	-	1	-	2	GRADE	Blended	MCQ	1.5 Hrs
<b>Summer Internship Project – I (Institute Level) (Qualifier): Minimum two-week duration: Evaluation in III Semester.</b>																		

**\*Proficiency in course/subject – includes the weightage towards ability/ skill/ competency /knowledge level /expertise attained etc. in that particular course/subject**

Natural Sciences & Skills: Engineering Physics / Engineering Chemistry / Environmental Science/ Language

Credits of Natural Sciences & Skills will be added in the VI Semester.

MCQ: Multiple Choice Question    AO: Assignment + Oral    OB: Open Book    PP: Pen Paper    SO: Submission + Oral

Mode of Teaching					Mode of Examination				Total Credits
Theory				Lab	Theory			Lab	
Offline	Online	Blended		Offline	PP	A+O	MCQ	SO	
		Offline	Online						
4	0	8	4	6	15	4	0	0	19
21.05%	0%	42.10%	21.05%	31.57%	78.94%	21.05%	0%	0%	

**MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR**  
**(Deemed to be University)**  
**(Declared Under Distinct Category by Ministry of Education, Government of India)**  
**NAAC Accredited with A++ Grade**

**Scheme of Examination (For Batch admitted in Year 2023-24)**

**B.Tech. (Electronics & Telecommunication Engineering) III Semester [For batches admitted in Academic Session 2023-24 onwards]**

S. No.	Subject Code	Category Code	Subject Name	Maximum Marks Allotted							Total Marks	Contact Hours per week			Total Credits	Mode of Teaching (Offline/ Online)	Mode of Exam.
				Theory Slot				Practical Slot				L	T	P			
				End Sem.		Mid Sem. Exam.	Quiz/ Assignment	End Sem	Lab Work & Sessional	Skill Based Mini Project							
				End Term Evaluation	Proficiency in subject /course												
1.	31000025	BSC	Engg Mathematics-II	50	10	20	20	-	-	-	100	2	1	-	3	Offline	PP
2.	3200320	DC	Analog Communication	50	10	20	20	40	30	30	200	2	1	2	4	Blended	PP
3.	3200322	DC	Analog Integrated Circuits	50	10	20	20	40	30	30	200	2	1	2	4	Blended	PP
4.	3200323	DC	Communication Networks	50	10	20	20	-	-	-	100	2	1	-	3	Blended	PP
5.	3200324	DC	Data Communication	50	10	20	20	-	-	-	100	2	1	-	3	Blended	PP
6.	3200321	DLC	Hardware Lab	-	-	-	-	40	30	30	100	-	-	2	1	Offline	SO
7.	3200316	DLC	Self-learning/ Presentation <sup>#</sup>	-	-	-	-	-	40	-	40	-	-	2	1	Online +Mentoring	SO
8.		CLC	Novel Engaging Course	-	-	-	-	50	-	-	50	-	-	2	1	Interactive	SO
9.	3200317	DLC	Skill Internship Project (Evaluation)	-	-	-	-	60	-	-	60	-	-	4	2	Offline	SO
<b>Total</b>				<b>250</b>	<b>50</b>	<b>100</b>	<b>100</b>	<b>290</b>	<b>100</b>	<b>60</b>	<b>950</b>	<b>10</b>	<b>5</b>	<b>14</b>	<b>22</b>		
10.	3000005	Natural Science & Skill	Environmental Engineering	50	10	20	20	-	-	-	100	2	-	-	Grade	Blended	MCQ
11	1000001	MAC	Indian Constitution and Traditional Knowledge	50	10	20	20	-	-	-	100	2	-	-	Grade	Blended	MCQ

<sup>#</sup>Proficiency in course/subject – includes the weightage towards ability/ skill/ competence /knowledge level /expertise attained /attendance etc. in that particular course/subject  
<sup>\*</sup>compulsory registration for one online course using SWAYAM/NPTEL/ MOOC, evaluation through attendance, assignments and presentation

Mode of Teaching						Mode of Examination					Total Credits
Theory		Blended		Lab	NEC	Theory			Lab	SIP/ SLP/ NEC	
Offline	Online	Offline	Online	Offline	Interactive	PP	A+O	MCQ	SO	SO	
17	0	0	0	4	1	17	0	0	2	3	22
77.27%	0	0	0	18.1%	4.54%	77.27%	0%	0%	9.09%	13.63%	Credits %

**MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR**

(Deemed University)

(Declared Under Distinct Category by Ministry of Education, Government of India)

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**Scheme of Evaluation**

**B. Tech IV Semester (Electronics & Telecommunication Engineering)**

(for batch admitted in academic session 2023-24)

S. No.	Subject Code	Category Code	Subject Name	Maximum Marks Allotted							Total Marks	Contact Hours per week			Total Credits	Mode of Teaching	Mode of Exam
				Theory Slot				Practical Slot				L	T	P			
				End Term Evaluation		Continuous Evaluation		End Sem. Exam	Continuous Evaluation								
				End Sem. Exam	Proficiency in subject /course	Mid Sem. Exam.	Quiz/ Assignment		Lab Work & Sessional	Skill Based Mini Project							
1.	3100003	BSC	Engineering Mathematics-III	50	10	20	20	-	-	-	100	3	1	-	4	Blended	PP
2.	3200411	DC	Digital Communication	50	10	20	20	60	20	20	200	2	1	2	4	Blended	PP
3.	3200412	DC	Linear Control Theory	50	10	20	20	-	-	-	100	2	1	-	3	Blended	PP
4.	3200413	DC	Microprocessor & Interfacing	50	10	20	20	60	20	20	200	2	1	2	4	Blended	PP
5	3200414	DLC	Software Lab (Introduction to MATLAB)	-	-	-	-	60	20	20	100	-	-	2	1	Offline	SO
5.	3200415	MC	Cyber Security	50	10	20	20	-	-	-	100	2	1	-	3	Blended	MCQ
6.	200xxx	CLC	Novel Engaging Course (Informal Learning)	-	-	-	-	50	-	-	50	-	-	2	1	Interactive	SO
<b>Total</b>				<b>250</b>	<b>50</b>	<b>100</b>	<b>100</b>	<b>230</b>	<b>60</b>	<b>60</b>	<b>850</b>	<b>11</b>	<b>5</b>	<b>8</b>	<b>20</b>	-	-
7.		Natural Sciences & Skills	Language	50	10	20	20	-	-	-	100	1	-	-	Grade	Blended	MCQ
8.	1000005	MAC	Project Management & Financing	50	10	20	20	-	-	-	100	2	-	-	Grade	Online	MCQ

**Summer Internship Project – II (Institute Level) (Qualifier): Minimum two-week duration: Evaluation in V Semester.**

**\$Proficiency in course/subject – includes the weightage towards ability/ skill/ competency /knowledge level /expertise attained etc. in that particular course/subject.**

Natural Sciences & Skills: Engineering Physics / Engineering Chemistry / Environmental Science/ Language.

Credits of Natural Sciences & Skills will be added in the VI Semester.

MCQ: Multiple Choice Question    AO: Assignment + Oral    OB: Open Book    PP: Pen Paper    SO: Submission + Oral

Mode of Teaching				Mode of Examination				Total Credits	
Theory		Blended		Lab	Theory				Lab
Offline	Online	Offline	Online	Offline	PP	AO	MCQ		SO
-	-	12	6	1	15	-	3		1
-	-	63.15%	31.57%	5.26%	78.94%	-	15.78%	5.26%	100%