माधव प्रौद्योगिकी एवं विज्ञान संस्थान, ग्वालियर
MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR
Deemed University
(Declared under Distinct Category by Ministry of Education, Government of India)
NAAC ACCREDITED WITH A++ Grade
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B.Tech Electronics and Telecommunication Engineering
Scheme of Examination B.Tech. VIII Semester *[For batches admitted in Academic Session 2022-23 onwards]*

S.N.	Subject Code	Category	Subject Name & Title	Maximum Marks Allotted						MOOCS		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.	Term Work		Assignment	Exams								
									Lab Work & Sessional										
1.	22008XX	DE	Departmental Elective-4*	-	-	-	-	-		25	75	100	-	-	-	3	Online	MCQ	3 Hrs
2.	9006XX	OC	Open Course -3	-	-	-	-	-		25	75	100	-	-	-	3	Online	MCQ	3 Hrs
3.	2200804	DLC	Internship/Research Project/ Innovation & Start-up***	-	-	-	250	150		-	-	400	-	-	18	9	Offline	SO	-
4.	2200805		Professional Development#	-	-	-	50	-		-	-	50	-	-	4	2	Interactive	SO	-
			Total	-	-	-	300	150		50	150	650	-	-	22	17			
	Additional Courses for obtaining Honours or minor Specialization by desirous students			Permitted to opt for maximum two additional courses for the award of Honours or Minor specialization															

*All of these courses will run through SWAYAM/NPTEL/ MOOC
Evaluation will be based on participation/laurels brought by the students to the institution in national/state level technical and other events during the complete tenure of the UG program (participation in professional chapter activities, club activities, cultural events, sports, personality development activities, collaborative events and technical events).
***Innovation/ start-up: only for those students who have opted relevant NEC

List of DEs and OCs:

Department Electives-1 (DE-5) (22008XX)	Fundamental of Power Electronics (2200854)	Biomedical Signal Processing (2200855)	Power Management Integrated Circuits (2200853)
Open Course-3 (OC-3)	Linear Dynamical Systems (2900601)	Quantum Computing: Algorithms and Limitations Through the Query Model (2900602)	

Honors	Communication and Signal Processing	1. An Introduction to Information Theory (H200805) 2. Discrete Time Signal Processing (H200810)
	VLSI Design	1. Digital VLSI Testing(H200809) 2. Integrated Circuits, MOSFET, OPAmps and their Applications (H200807)
Minors	Control & Sensor Technology	1. Embedded Sensing, Actuation and Interfacing Systems (M200811) 2. Optical Fiber Sensors (M200806)
	Communication and Signal Processing	1. Signal Processing Techniques and its Applications (M200802) 2. Discrete Time Signal Processing (M200810)

Mode of Teaching					Mode of Examination					Total Credits
Theory			Lab	PD	Theory			Internship/ Project	PDC	
Offline	Online	Blended	Offline	Interactive	PP	AO	MCQ	SO	SO	
-	-	06	09	02	-	-	06	09	02	17
-	-	35.29%	52.95%	11.76%	-	-	35.29%	52.95%	11.76%	Credits%