

D.No 514
 30/12/2024

DEPARTMENT OF ELECTRICAL ENGINEERING

Scheme of Examination

B.Tech VIII Semester For batch admitted in Academic Session 2021-2022

S. No.	Subject Code	Category	Subject Name & Title	Maximum Marks Allotted					MOOC		Total Marks	Contact Hours per week			Total Credits	Mode of Teaching	Mode of Exam.
				Theory Slot			Practical Slot		Assignment	Exam		L	T	P			
				End Sem.	Mid Sem. Exam	Quiz/ Assignment	End Sem	Term Work Lab Work & Sessional									
1.	130861/62/63/64	DE	DE* (DE-5)	-	-	-	-	-	25	75	100	-	-	-	3	Online	MCQ
2.	9103**	OC	OC* (OC-3)	-	-	-	-	-	25	75	100	-	-	-	3	Online	MCQ
3.	130831	DLC	Internship/Project	-	-	-	250	150	-	-	400	-	-	18	9	Offline	SO
4.	130832	-	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 a maximum of two additional courses for the award of (i) Honours in parent discipline or (ii) Honours with a Minor Specialization in engineering discipline other than the parent discipline.													

*All of these courses will run through SWAYAM/ NPTEL/ MOOC with credit transfer

MCQ: MultipleChoiceQuestion SO: Submission+ Oral

[#]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, MOOCs & technical events)

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

M.P. Mishra
 Dean
 Faculty of Engineering & Technology
 MITS-DU

Wishg. AL *for the management* *Aim* *6/11/24*

माधव प्रौद्योगिकी एवं विज्ञान संस्थान, ग्वालियर (म.प्र.), भारत
MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR (M.P.), INDIA
 Deemed University
 (Declared under Distinct Category by Ministry of Education, Government of India)
 NAAC ACCREDITED WITH A++ GRADE

DEPARTMENT OF ELECTRICAL ENGINEERING

DE-5 *(SWAYAM/NPTEL/ MOOC)		OC-3**(SWAYAM/NPTEL/ MOOC) (For students of other branches)	
130861	State Space Approach to Control System Analysis and Design	9103**	State space Approach to Control System Analysis and Design
130862	Smart Grid: Basics to Advanced Technologies	9103**	Smart Grid: Basics to Advanced Technologies
130863	EV - Vehicle Dynamics and Electric Motor Drives	9103**	Industrial Automation and Control
130864	Design of Power Electronic Converters		
130865	Renewable Energy Engineering: Solar, Wind and Biomass Energy Systems		

Important Note:The Credit for opting a particular NPTEL course will be given only once throughout the tenure of B.Tech. program

List of Courses for Honours/ Minor Specialization from NETEL/SWAYAM Platform

Honours* (To be opted by the students of parent department)		Minorspecialization* (To be opted by the students of other Department)	
Course Code	CourseName	Course Code	CourseName
H130817	Microprocessors and Microcontrollers(12 Weeks)	M130806	Fundamentals of Power Electronics (12 Weeks)
H130803	Linear Dynamical Systems(8Weeks)	M130811	Power System Engineering (12 Weeks)
H130818	Transducers for Instrumentation(12 Weeks)	M130805	Electrical Machines – II (12 Weeks)
H130805	Sensors and Actuators(12 Weeks)	M130807	Principles of Signals and Systems (12 Weeks)
H130819	Operation and Planning Of Power Distribution Systems	M130812	Sensors and Actuators (12 Weeks)
H130820	Power System Engineering(12 Weeks)	M130808	Control Engineering (12 Weeks)
H130821	Introduction To Internet Of Things(12 Weeks)	M130801	Network Analysis (12 Weeks)
H130813	Smart Grid: Basics to Advanced Technologies(12 Weeks)		
H130822	Non-conventional energy Resources(12 Weeks)		
H130808	Introduction To Soft Computing(8Weeks)		
H130814	Introduction To Industry 4.0 And Industrial Internet Of Things(12 Weeks)		

Important Note:The Credit for opting a particular NPTEL course will be given only once throughout the tenure of B.Tech. program

Dean

Faculty of Engineering & Technology

(Handwritten signatures and dates)
 2/11/24
 6/11/24