

DEPARTMENT OF ELECTRICAL ENGINEERING

Scheme of Evaluation

B. Tech. VI Semester (Electrical Engineering) For batch admitted in academic session 2022-23

B. Tech. VI Semester (Electrical Engineering) - of total marks																				
S. No.	Subject Code	Category Code	Subject Name	Maximum Marks Allotted									Total Marks	Contact Hours /week			Total Credits	Mode of Teaching	Mode of Exam.	Duration of Exam
				Theory Slot				Practical Slot			MOOCs									
				End Term Evaluation		Continuous Evaluation		End Sem. Exam.	Continuous Evaluation		Assignment	Exam								
				End Sem. Exam.	\$Proficiency in subject /course	Mid Sem. Exam	Quiz/ Assignment		Lab work & Sessional	Skill Based Mini Project										
1.	2130611	DC	Electric Drives	50	10	20	20	60	20	20	-	-	200	3	-	2	4	Blended	PP	2 Hrs
2.	213066*	DE	Departmental Elective* (DE-1)	-	-	-	-	-	-	-	25	75	100	3	-	-	3	Online	MCQ	-
3.	9101**	OC	Open Category (OC-1)	50	10	20	20	-	-	-	-	-	100	3	-	-	3	Blended	PP	2 Hrs
4.	2130612	MC	Artificial Intelligence & Machine Learning	50	10	20	20	60	20	20	-	-	200	2	1	2	4	Blended	MCQ	1.5 Hrs
5.	2130613	DLC	Minor Project-II**	-	-	-	-	60	40	-	-	-	100	-	-	6	3	Offline	SO	-
6.	200xxxx	NEC	Novel Engaging Course	-	-	-	-	50	-	-	-	-	50	-	-	2	1	Interactive	SO	-
7.		NSS	#Natural Sciences & Skills	200	40	80	80	120	40	40	-	-	600	1	-	2	2 [#]	-	-	-
Total				350	70	140	140	350	120	80	25	75	1350	12	1	14	20	-	-	-
8.	1000007	MAC	Intellectual Property Rights (IPR)	50	10	20	20	-	-	-	-	-	100	2	-	-	Grade	Online	MCQ	1.5 Hrs
Summer Internship-III (On Job Training) for Four weeks duration: Evaluation in VII Semester																				
Additional Course for Honours or minor Specialization										Permitted to opt for maximum two additional courses for the award of Honours or Minor specialization										
Electrical Engineering / Chemistry / Environmental Science/ Language																				

#Natural Sciences & Skills: Engineering Physics / Engineering Chemistry / Environmental Science/ Language
("Natural Sciences & Skills" treated as Mandatory Audit Courses from first to fourth semester and cumulative marks converted as a cluster of credits and awarded in the VI semester)

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

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

*Course run through SWAYAM/NPTEL/ MOOC Learning Based Platform with credit transfer

**The minor project-II may be evaluated by an internal committee for awarding sessional marks.

Dean
Faculty of Engineering & Technology
MITS-DU

Handwritten signatures and dates: 24/11/24, 6/12/24, and other marks.

DEPARTMENT OF ELECTRICAL ENGINEERING

Mode of Teaching					Mode of Examination					Total Credits
Theory			Lab	NEC	Theory			Lab	NEC	
Offline	Online	Blended	Offline	Interactive	PP	AO	MCQ	SO	SO	21
00	03	12	05	01	11	00	07	02	01	Credits%
00%	14.29%	57.14%	23.81%	4.76%	52.4%	00%	33.3%	9.5%	4.8%	

*DE-1 (SWAYAM/NPTEL/ MOOC platform)		**Open Category (OC-1) (For students of other branches)	
130661	Renewable Energy Engineering: Solar, Wind and Biomass Energy Systems	910104	Energy Conservation & Management
130662	Non-conventional Energy Resources	910105	Biomedical Instrumentation
130665	Design Of Power Electronic Converters	910106	Industrial Automation
130664	Industrial Automation and Control		
130666	EV - Vehicle Dynamics and Electric Motor Drives		
Important Note : The Credit for opting a particular NPTEL course will be given only once throughout the tenure of B.Tech. program			

Minor specialization*		Honour specialization*	
((To be opted by the students of other Department))		((To be opted by the students of parent Department))	
Course Code	Course Name	Course Code	Course Name
M130605	Fundamentals of Power Electronics (12 Weeks)	H130603	Linear Dynamical Systems
M130602	Power System Engineering (12 Weeks)	H130614	Fuzzy Sets, Logic and Systems & Applications
M130606	Principles of Signals and Systems (12 Weeks)	H130619	Sensors and Actuators
M130614	Sensors and Actuators (12 Weeks)	H130620	Operation and Planning Of Power Distribution Systems
M130607	Control Engineering (12 Weeks)	H130621	Power System Engineering
M130609	Network Analysis (12 Weeks)	H130622	Introduction To Internet Of Things
Important Note : The Credit for opting a particular NPTEL course will be given only once throughout the tenure of B.Tech. program			

6/12/24

