

**Meerut Institute of Engineering and Technology
Meerut**



EVALUATION SCHEME AND SYLLABI

For

**B.Tech – IInd Year
(Electrical Engineering)**

(Working Professional)

Effective from the Session: 2026-27

Affiliated With



Dr. A.P.J ABDUL KALAM TECHNICAL UNIVERSITY UTTAR PRADESH

Sec-11, Jankipuram Vistar, Lucknow - 226031, Uttar Pradesh, India

CREDIT FRAMEWORK

SEMESTER - V															
S.NO.	Subject Code	Subject Name	Category	T/P	PERIODS			Evaluation Scheme						Total Marks	CREDIT
					L	T	P	Continuous Internal Assessment				End Semester			
								CT	TA	Total	PS	TE	PE		
1	MWEE-501	Power Transmission & Distribution	PCC	T	3	0	0	20	10	30		70		100	3
2	MWEE-502	Electrical Machines-II	PCC	T	3	1	0	20	10	30		70		100	4
3	MWEE-503	Microprocessor & Applications	PCC	T	3	0	0	20	10	30		70		100	3
4	MWEE51X	Program Elective -I	PEC	T	3	0	0	20	10	30		70		100	3
5	MWEE52X	Program Elective -II	PEC	T	3	0	0	20	10	30		70		100	3
6	MWNC501/ MWNC502	Constitution of India/ Essence of Indian Traditional Knowledge	HSMC	T	2	0	0	20	10	30		70		100	2
9	MWEE551	Power System Lab	PEC	P	0	0	2				50		50	100	1
10	MWEE552	Electrical Machines-II Lab	PEC	P	0	0	2				50		50	100	1
11	MWEE553	Microprocessor Lab	PCC	P	0	0	2				50		50	100	1
	MWEE-554	Industrial Automation Lab	PCC	P	0	0	2				50			50	1
13	MWEE555	Industrial Case Study/Workplace Innovation Project/ Seminar-I	PR/IN T	P	0	0	4				100			100	2
		Total			17	1	12							1050	24

Program Electives

S.No.	Sub Code	Program Elective-I	S.No.	Sub Code	Program Specific Elective-II
1	MWEE511	Industrial Automation & Control	1	MWEE521	Biomedical Instrumentation
2	MWEE512	Battery management and charging infrastructure f	2	MWEE522	Analog & Digital Communication
3	MWEE513	Integrated Circuits (LSI & VLSI)	3	MWEE523	Neural Network and Fuzzy System
4	MWEE514	Electrical Standards & Engineering Practices	4	MWEE524	Energy Management system and Auditing

SEMESTER - VI

S.NO.	Subject Code	Subject Name	Category	T/P	PERIODS			Evaluation Scheme						Total Marks	CREDIT
					L	T	P	Continuous Internal Assessment			End Semester				
								CT	TA	Total	PS	TE	PE		
1	MWEE-601	Power System Analysis	PCC	T	3	1	0	20	10	30		70		100	4
2	MWEE-602	Control System	PCC	T	3	0	0	20	10	30		70		100	3
3	MWEE-603	Power Electronics	PCC	T	3	1	0	20	10	30		70		100	4
	MWCS-601	Introduction to Soft Computing	ESC	T	3	0	0	20	10	30		70		100	3
4	MWEE61X	Program Elective-III	PEC	T	3	0	0	20	10	30		70		100	3
5	MWNC601/ MWNC602	Constitution of India/ Essence of Indian Traditional Knowledge	HSMC	T	2	0	0	20	10	30		70		100	2
8	MWEE-651	Power System Analysis Lab	PCC	P	0	0	2				50		50	100	1
9	MWEE-652	Control System Lab	PCC	P	0	0	2				50		50	100	1
10	MWEE-653	Power Electronics Lab	PCC	P	0	0	2				50		50	100	1
11	MWEE-654	AC & DC Drives Lab	SEC	P	0	0	2				50		50	100	1
		Total			17	2	8							900	23

Note: Industrial Case Study/Workplace Innovation Project (4 weeks) will be done during summer break after 6th Semester and will be assessed during 7th semester

Program Electives

S.No.	Sub Code	Program Elective-III
1	MWEE611	Sensor & Instrumentation
2	MWEE612	Electric & Hybrid Vehicles
3	MWEE613	Power System operation & Control
4	MWEE614	Grid Integration of Renewable energy