

SCHEME AND DETAILED SYLLABUS

of

T. Y. B. Tech. (Electrical Engineering)

of

FOUR YEAR DEGREE COURSE IN ENGINEERING & TECHNOLOGY



DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD

FACULTY OF ENGINEERING AND TECHNOLOGY
SYLLABUS FOR B.TECH- III-YEAR – (ELECTRICAL ENGINEERING) 2016-17

Sub No.	SEMESTER-V	Contact Hrs / Week				Examination Scheme						
	Subject	L	T	P	Total	CT	TH	T W	P	Total	Credits	Duration of Theory /Practical Exam
EE301	Power Electronics	3	1	-	4	20	80	-	-	100	4	3 Hrs
EE302	Microprocessor and Microcontroller	4	-	-	4	20	80	-	-	100	4	3 Hrs
EE303	Design of Electrical Machines	3	1	-	4	20	80	-	-	100	4	3 Hrs
EE304	Control System Engineering	3	1	-	4	20	80	-	-	100	4	3 Hrs
EE305	Transmission and Distribution	4	-	-	4	20	80	-	-	100	4	3 Hrs
EE306	Energy Management	2	-	-	2	10	40	-	-	50	2	2 Hrs
EE321	Lab I : Power Electronics	-	-	2	2	-	-	25	25	50	1	
EE322	Lab II : Microprocessor and Microcontroller	-	-	2	2	-	-	25	25	50	1	
EE323	Lab III: Design of Electrical Machines	-	-	2	2	-	-	50	-	50	1	
EE324	Lab IV : Control System Engineering	-	-	2	2	-	-	25	25	50	1	
EE325	Lab V:Seminar	-	-	2	2	-	-	50	-	50	1	
	Total of semester-V	19	3	10	32	110	440	175	75	800	27	

Sub No.	SEMESTER-VI	Contact Hrs / Week				Examination Scheme						
	Subject	L	T	P	Total	CT	TH	T W	P	Total	Credits	Duration of Theory /practical Exam
EE351	Power System Analysis	3	1	-	4	20	80	-	-	100	4	3 Hrs
EE352	Digital Signal Processing	3	1	-	4	20	80	-	-	100	4	3 Hrs
EE353	Electrical Drives	4	-	-	4	20	80	-	-	100	4	3 Hrs
EE354	Electromagnetic Field	3	1	-	4	20	80	-	-	100	4	3 Hrs
EE355	Electrical Testing and Maintenance	2	-	-	2	10	40	-	-	50	2	2 Hrs
	Elective-I	4	-	-	4	20	80	-	-	100	4	3 Hrs
EE371	Lab VI: Power System Analysis	-	-	2	2	-	-	25	25	50	1	
EE372	Lab VII : Digital Signal Processing	-	-	2	2	-	-	25	25	50	1	
EE373	Lab VIII : Electrical Drives	-	-	2	2	-	-	25	25	50	1	
EE374 EE375 EE376 EE377	Lab IX : Elective I	-	-	2	2	-	-	50	-	50	1	
EE378	Lab X: Project Part –I	-	-	2	2	-	-	50	-	50	1	
	Total of semester-VI	19	3	10	32	110	440	175	75	800	27	
	Grand Total of V & VI	38	6	20	64	220	880	350	150	1600	54	

ELECTIVES - I:

1. EE391 - Recent Trends in Power System
2. EE392 - Electrical System Planning and Design

3. EE393 - Illumination Engineering
4. EE394 - Industrial Automation

[Third Year –Electrical Engineering Department]

L: Lecture hours per week **T:** Tutorial hours per week **P:** Practical hours per week **CT:** Class Test
TH: University Theory Examination **TW:** Term Work **P:** Practical/Oral Examination