

**PROPOSED
SCHEME AND DETAILED SYLLABUS**

of

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

of

FOUR YEAR DEGREE COURSE IN ENGINEERING & TECHNOLOGY



DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY, AURANGABAD

FACULTY OF ENGINEERING AND TECHNOLOGY
PROPOSED WORK FOR B.TECH- II-YEAR – (ELECTRICAL) 2015-16

Sub No.	SEMESTER-III	Contact Hrs / Week									
	Subject	L	T	P	Total	CT	TH	T A	P	Total	Credits
BSH201	Mathematics-III	3	1	-	4	20	80	-	-	100	4
ELE202	DC Machines & Transformers	3	1	-	4	20	80	-	-	100	4
ELE203	Power Plant Engineering	3	1	-	4	20	80	-	-	100	4
ELE204	Electronic Devices & Circuits	3	1	-	4	20	80	-	-	100	4
ELE205	Electrical Engineering Materials	3	1	-	4	20	80	-	-	100	4
ELE206	Renewable Energy sources	2	-	-	2	10	40	-	-	50	2
ELE221	Lab I: DC Machines & Transformers	-	-	2	2	-	-	25	25	50	1
ELE222	Lab II: Power Plant Engineering	-	-	2	2	-	-	25	25	50	1
ELE223	Lab III: Electronic Devices & Circuits	-	-	2	2	-	-	25	25	50	1
BSH225	Lab IV :Development of Skill-II	-	-	2	2	-	-	50	-	50	1
ELE226	Lab V :PLC Fundamentals	-	-	2	2	-	-	50	-	50	1
	Total of Semester-III	17	5	10	32	110	440	175	75	800	27

Sub No.	SEMESTER-IV	Contact Hrs / Week									
	Subject	L	T	P	Total	CT	TH	T A	P	Total	Credits
BSH251	Mathematics-IV	3	1	-	4	20	80	-	-	100	4
ELE252	AC Machines	3	1	-	4	20	80	-	-	100	4
ELE253	Electrical Measurements	3	1		4	20	80			100	4
ELE254	Network Analysis	3	1	-	4	20	80	-	-	100	4
ELE255	Analog & Digital Circuits	3	1	-	4	20	80	-	-	100	4
ELE256	Data Structure	2	-	-	2	10	40	-	-	50	1
ELE271	Lab VI: AC Machines	-	-	2	2	-	-	25	25	50	2
ELE272	Lab VII: Electrical Measuremnts	-	-	2	2	-	-	25	25	50	1
ELE273	Lab VIII: Network Analysis			2	2	-	-	25	25	50	1
ELE274	Lab IX : Analog & Digital Circuits			2	2			50	-	50	1
ELE275	LAB X: Fundamentals of Metlab	-	-	2	2	-	-	50	-	50	1
	Total of Semester IV	17	5	10	32	110	440	175	75	800	27
	Grand Total of III & IV									1600	54

[Second Year –Electrical Engineering]

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

TH: University Theory Examination

TW: Term Work

P: Practical/Oral Examination