

SCHEME AND DETAILED SYLLABUS
of
S. Y. B. Tech. (Electrical Engineering)
Under Choice Based Credit & Grading System
(w.e.f. academic year 2017-18 & onwards/-)

FOUR YEAR DEGREE COURSE IN SCIENCE & TECHNOLOGY



DR. BABASAHEB AMBEDKAR MARATHWADA
UNIVERSITY, AURANGABAD

FACULTY OF SCIENCE AND TECHNOLOGY
Revised Syllabus Structure w.e.f. 2017-18
Second Year B. Tech. (Electrical Engineering)

Course Code	SEMESTER-III	Contact Hrs / Week				Examination Scheme						
	Course	L	T	P	Total	CT	TH	TW	P	Total	Credits	Duration of Theory Exam
BSH201	Engineering Mathematics-III	3	1	-	4	20	80	-	-	100	4	3 Hrs
EED202	DC Machines & Transformers	3	1	-	4	20	80	-	-	100	4	3 Hrs
EED203	Electrical Measurements	4	-	-	4	20	80	-	-	100	4	3 Hrs
EED204	Electronics Devices & Circuits	4	-	-	4	20	80	-	-	100	4	3 Hrs
EED205	Power Plant Engineering	4	-	-	4	20	80	-	-	100	4	3 Hrs
EED206	Data Structure	2	-	-	2	10	40	-	-	50	2	2 Hrs
EED221	Lab I : DC Machines & Transformers	-	-	2	2	-	-	25	25	50	1	
EED222	Lab II : Electrical Measurements	-	-	2	2	-	-	25	25	50	1	
EED223	Lab III: Electronics Devices & Circuits	-	-	2	2	-	-	25	25	50	1	
EED224	Lab IV : Fundamentals of MATLAB	-	-	2	2	-	-	50	-	50	1	
BSH225	Lab V: Development of Skills II	-	-	2	2	-	-	50	-	50	1	
	Total of Semester-III	20	2	10	32	110	440	175	75	800	27	

Course Code	SEMESTER-IV	Contact Hrs / Week				Examination Scheme						
	Course	L	T	P	Total	CT	TH	TW	P	Total	Credits	Duration of Theory Exam
BSH251B	Engineering Mathematics-IV	3	1	-	4	20	80	-	-	100	4	3 Hrs
EED252	AC Machines	3	1	-	4	20	80	-	-	100	4	3 Hrs
EED253	Network Analysis	4	-	-	4	20	80	-	-	100	4	3 Hrs
EED254	Analog & Digital Circuits	4	-	-	4	20	80	-	-	100	4	3 Hrs
EED291-293	Programme Elective-I	4	-	-	4	20	80	-	-	100	4	3 Hrs
EED255	Signals and Systems	2	-	-	2	10	40	-	-	50	2	2 Hrs
EED271	Lab VI: AC Machines	-	-	2	2	-	-	25	25	50	1	
EED272	Lab VII : Network Analysis	-	-	2	2	-	-	25	25	50	1	
EED273	Lab VIII : Analog & Digital Circuits	-	-	2	2	-	-	25	25	50	1	
EED274	Lab IX : Signals and Systems	-	-	2	2	-	-	50	-	50	1	
EED275	Lab X : DOS-III PLC Fundamentals	-	-	2	2	-	-	50	-	50	1	
	Total of Semester-IV	20	2	10	32	110	440	175	75	800	27	
	Grand Total of III & IV									1600	54	

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

Programme Elective-I

EED291: Electrical Engineering Materials
 EED292: Energy Audit and Management
 EED293: Digital Computational Techniques