

SRM UNIVERSITY, Andhra Pradesh							
2019-2023 Curriculum							
Department: Electrical and Electronics Engineering				Batch:2019			
Semester	Code	Course Name	L	T	P	Credit	Total no of Credits
Semester - I	EGL 111	Communicative English (Non Minerva)	3	0	0	3	18
	EGL 112	Communicative English (Minerva)					
	PHY 112	Introduction to Classical Mechanics	2	0	0	2	
	PHY 112L	Introduction to Classical Mechanics Lab	0	0	2	1	
	ENG 111	Basic Electronics	3	0	0	3	
	ENG 111 L	Basic Electronics Lab	0	0	2	1	
	MAT 112	Single Variable Calculus	3	0	0	3	
	CSE 101	Introduction to Programming using Python (Non Minerva)	3	0	0	3	
	CSE 101 L	Introduction to Programming using Python Lab (Non Minerva)	0	0	2	1	
	CSE 102	Introduction to Programming using Python (Minerva)	3	0	2	4	
CDC 101	Soft Skills	1	0	0	1		
Semester -II	EEE 102	Fundamentals of Electrical Engineering	2	1	0	3	22
	PHY 113	Field Theory- BS Elective	2	0	2	3	
	PHY 221	Electricity and Magnetism	2	0	0	2	
	PHY 221 L	Electricity and Magnetism Lab	0	0	2	1	
	ECO 121	Principles of Economics	3	0	0	3	
	MAT 115	Statistics	3	0	0	3	
	EGL 121	Critical Thinking	3	0	0	3	
	MAT 121	Multi Variable Calculus	3	0	0	3	
	CDC 102	Soft Skills- II	1	0	0	1	
Semester- III	EEE 201	Electrical and Electronics Measurement	3	0	0	3	24
	EEE 201 L	Electrical and Electronics Measurement Lab	0	0	2	1	
	EEE 202	Electrical Circuit Theory	2	1	0	3	
	EEE 202 L	Electrical Circuit Theory Lab	0	0	2	1	
	MAT 131	Differential Equations	3	0	0	3	
	OE ECE 212	OPEN ELECTIVE Signals and Systems	3	0	0	3	
	OE L ECE 212 L	OPEN ELECTIVE LAB Signals and Systems Lab	0	0	2	1	
	OE L ECE 211	OPEN ELECTIVE Digital Electronics	3	0	0	3	
	OE L ECE 211 L	OPEN ELECTIVE LAB Digital Electronics Lab	0	0	2	1	
	ENG 101	Fundamentals of Mechanical Engineering	3	0	0	3	
	CDC 221	Aptitude	1	1	0	1	
	CSE 230	Industry Standard Coding Practice-1	0	0	4	1	
	Semester- IV	EEE 203	Control Systems	3	0	0	
EEE 203 L		Control Systems Lab	0	0	2	1	
EEE 205 P		UROP	0	0	6	3	
EEE 204		DC machines and Transformers	3	0	0	3	
EEE 204 L		DC machines and Transformers Lab	0	0	2	1	
OE ECE 221		Open Elective Analog Electronics	3	0	0	3	
ECE 221 L		Analog Electronics Lab	0	0	2	1	
MAT 211		Linear Algebra	3	0	0	3	
ENG 105 L		SolidWorks (Engineering Graphics)	0	0	2	1	
ISES 212		Industry Specific Employability Skills IV	1	1	0	1	
CSE 330		Industry Standard Coding Practice-2	0	0	4	1	
Semester V	EEE 301	AC Machines	3	0	0	3	22
	EEE 301 L	AC Machines Lab	0	0	2	1	
	EEE 303	Power Electronics	3	0	0	3	
	EEE 303 L	Power Electronics Lab	0	0	2	1	
	EEE 304	Fundamentals of Power Systems	3	0	0	3	
	EEE 305	Advanced Control Systems	3	0	0	3	
	EEE 305 L	Advanced Control Systems Lab	0	0	2	1	
	OE	Open Elective Power Plant Engineering FPGA Programming Object Oriented programming using C EM theory and wavepropagation Digital Signal Processing	3	0	0	3	

TE	Technical Elective				
EEE 302	Numerical Methods	3	0	0	3
ISES 311	Industry Specific Employability Skills-V	1	1	0	0
CSE 331	Industry Standard Coding Practice - 3	0	0	4	1

Semester- VI	EEE 306	Power System Analysis	3	0	0	3	24
	EEE 306 L	Power System Analysis Lab	0	0	2	1	
	EEE 309	Synchronous Machines	3	0	0	3	
	EEE 309 L	Synchronous Machines Lab	0	0	2	1	
	EEE 310 P	Multi Disciplinary Design Project	0	0	6	3	
	OE	Open Elective					
	ECE 313	Microprocessors and Interfacing	3	0	2	4	
	OE	Open Elective					
	EEE 314	Nuclear Power Generation	3	0	0	3	
	TE	Technical Elective					
	EEE 311	Non Linear Systems & Control	3	0	0	3	
EEE 312	Renewable Energy Systems						
ENV 111	Environmental Science	2	0	0	2	20	
ENV 111 L	Environmental Science Lab	0	0	2	1		
ISES 312	Industry Specific Employability Skills-VI	1	1	0	0		
EEE 403	Switch Gear and Protection	3	0	0	3		
EEE 403 L	Switch Gear and Protection Lab	0	0	2	1		
EEE 404	High Voltage Engineering	3	0	0	3		
EEE 404 L	High Voltage Engineering Lab	0	0	2	1		
OE	Open Elective						
	Embedded systems VLSI Microwave Theory and Applications 3D Printing	3	0	0	3		
TE	Technical Elective						
	Electrical Machine Design HVDC System Modeling and Identification Power Quality	3	0	0	3		
TE	Technical Elective						
	Computer Techniques in Power Systems	3	0	0	3		
TE	Technical Elective						
	Pulsed Power systems Flexible AC transmission system Non Linear Control System Utilization of Electric power Advanced Power Electronics Resonant & Soft Switching Converters E-Mobility	3	0	0	3		
Semester- VIII	EEE 410 P	Project	0	0	24	12	12
Grand Total							163