

SRM UNIVERSITY, Andhra Pradesh							
2020-2024 Curriculum							
Department: Electrical and Electronics Engineering				Batch:2020			
Semester	Code	Course Name	L	T	P	Credit	Total no of Credits
Semester- I	EGL 101	Communicative English	3	0	0	3	21
	EEE 101	Fundamentals of Electrical Engineering	3	0	0	3	
	MAT 112	Single Variable Calculas	3	0	0	3	
	PHY 101	Engineering Physics	3	0	0	3	
	PHY 101 L	Engineering Physics Lab	0	0	2	1	
	CSE 105	Introduction to Programming using C	3	0	0	3	
	CSE 105 L	Introduction to Programming Using C Lab	0	0	2	1	
	ENV 111	Environmental Science	2	0	0	2	
	ENV 111 L	Environmental Science Lab	0	0	2	1	
Semester- II	ISES 101	Industry Specific Employability Skills	1	1	0	1	26
	MAT 121	Multi Variable Calculus	3	0	0	3	
	EGL 125	Critical Thinking -(HS Elective)	4	0	0	4	
	PHY 113	Field Theory	2	0	2	3	
	CSE 107	Data Structures	3	0	0	3	
	CSE 107 L	Data Structures Lab	0	0	2	1	
	MAT 221	Probability & Statistics for Engineers	3	0	0	3	
	PHY 102	Solid State Device Physics	3	0	0	3	
	PHY 102 L	Solid State Device Physics Lab	0	0	2	1	
Semester - III	ENG 111	Basic Electronics	3	0	0	3	25
	ENG 111 L	Basic Electronics Lab	0	0	2	1	
	ISES 102	Industry Specific Employability Skills II	1	1	0	1	
	EEE 201	Electrical and Electronics Measurement	3	0	0	3	
	EEE 201 L	Electrical and Electronics Measurement Lab	0	0	2	1	
	EEE 202	Electrical Circuits Theory	3	0	0	3	
	EEE 202 L	Electrical Circuits Theory Lab	0	0	2	1	
		Open Elective Digital Electronics	3	0	2	4	
		Open Elective Signal and Systems	3	0	2	4	
Semester - IV	CSE 206	Object Oriented Programming with C++	3	0	0	3	20
	CSE 206 L	Object Oriented Programming with C++ Lab	0	0	2	1	
	MAT 131	Differential Equations	3	0	0	3	
	ISES 201	Industry Specific Employability Skills-III	1	1	0	1	
	CSE 230	Industry Standard Coding Practice-1	0	0	4	1	
	EEE 203	Control Systems	3	0	0	3	
	EEE 203 L	Control Systems Lab	0	0	2	1	
	EEE 204	DC Machines and Transformers	3	0	0	3	
	EEE 204 L	DC Machines and Transformers Lab	0	0	2	1	
Semester V	EEE 205	Computational Techniques in Electrical Engineering	3	0	0	3	26
	ECE 221	Open Elective Analog Electronics	3	0	2	4	
	MAT 211	Linear Algebra	3	0	0	3	
	ISES 202	Industry Specific Employability Skills-IV	1	1	0	1	
	CSE 330	Industry Standard Coding Practice- 2	0	0	4	1	
	EEE 301	AC Machines	3	0	0	3	
	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	
Semester VI	EEE 304	Fundamentals of Power System	3	0	0	3	24
	EEE 305	Advanced Control Systems	3	0	0	3	
	EEE 305 L	Advanced Control Systems Lab	0	0	2	1	
		Open Elective Power Plant Engineering FPGA Programming Object Oriented Programming with C EM Theory and Wavepropagation Digital Signal Processing	3	0	0	3	
	EEE 312	Technical Elective Renewable Energy Systems	3	0	0	3	
	ENG 101	Fundamentals of Mechanical Engineering	3	0	0	3	
	ENG 105 L	Engineering Graphics Lab	0	0	2	1	
	ISES 301	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	
	ECE 313	Open Elective Microprocessors and Interfacing	3	0	2	4	
	EEE 314	Open Elective Nuclear Power Generation	3	0	0	3	
	Technical Elective Non Linear systems & Control Switched Mode Power Supply and Resonant Converters	3	0	0	3		

	EEE 310 P	Undergraduate Research Opportunity Project	0	0	6	3	
	ECO 121	Principles of Economics	3	0	0	3	
	ISES 302	Industry Specific Employability Skills-VI	1	1	0	0	
Semester VII	EEE 403	Switch Gear and Protection	3	0	0	3	20
	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	
		Open Elective Embedded Systems VLSI Microwave Theory and Applications 3D Printing	3	0	0	3	
		Technical Elective Electrical Machine Design HVDC System Model and Identification Power Quality	3	0	0	3	
		Technical Elective Computer Techniques in Power Systems	3	0	0	3	
		Technical Elective Pulsed Power Systems Flexible AC Transmission system (FACTS) Non Linear Control System Advanced Power Electronics Resonant & Soft Switching Converters E-Mobility	3	0	0	3	
Semester VIII	EEE 410 P	Project	0	0	16	8	8
Grand Total							170