

SRM UNIVERSITY, Andhra Pradesh							
2018-2022 Curriculum							
Department: Electrical and Electronics Engineering				Batch: 2018			
Semester	Code	Course Name	L	T	P	Credit	Total no of Credits
Semester - I	ENL 101	Communicative English	3	0	0	3	21
	BIO 101	Introduction to Biology	2	0	2	3	
	MAT 112	MATHEMATICS - I	3	0	0	3	
	CSE 102	Basic Computer Science and Programming	3	0	2	4	
	ENG 111	Basic Electronics	3	0	2	4	
	PHY 112	Classical Mechanics	2	0	2	3	
	CDC 111	Soft Skills-I	1	0	0	1	
Semester - II	EEE 101	Introduction of Electrical Engineering	2	1	2	4	21
	CSE 223	Data Structures and Algorithms using C	3	0	2	4	
	CHE 101	Principles of Chemistry	2	0	2	3	
	PHY 221	Electricity and Magnetism	2	0	2	3	
	ECO 121	Principles of Economics	3	0	0	3	
	MAT 121	Multi Variable Calculus	3	0	0	3	
	CDC 102	SOFT SKILLS - II	1	0	0	1	
Semester - III	EE 201	Electrical and Electronics Measurement	2	1	0	3	21
	EE 202	Electrical Circuit Analysis	2	1	0	3	
	OE ECE 211	Open Elective Digital Electronics	3	0	2	4	
	OE ECE 212	Open Elective Signals and Systems	3	0	2	4	
	MAT 131	Differential Equations	3	0	0	3	
	ENG 101	Engineering Fundamentals	3	0	0	3	
	CDC 204	Quantitative Aptitude	1	0	0	1	
Semester - IV	EEE 203	Control Systems Design	2	1	2	4	21
	EEE 204	DC Machines and Transformers	3	0	2	4	
	EEE 205 P	UROP	0	0	6	3	
	OE ECE 221	Open Elective Analog Electronics	3	0	2	4	
	MAT 211	Linear Algebra	3	0	0	3	
	ENG 105L	Engineering Graphics Lab	0	0	2	1	
	CDC 203	Verbal Ability	1	0	0	1	
Semester - V	CSE 230	INDUSTRY STANDARD CODING PRACTICE - I	0	0	4	1	23
	EE 301	AC Machines	3	0	2	4	
	EE 304	Fundamentals of Power System	3	0	2	4	
	EE 305	Advanced Control Systems Design	2	0	2	3	
	OE PHY 113	Open Elective Field Theory	3	0	0	3	
	OE ECE 313	Open Elective Microprocessors and Interfacing	3	0	2	4	
	TE EE 303	Technical Elective Numerical Methods	3	0	2	4	
CDC 331	Employability Skills	1	1	0	0		
Semester - VI	CSE 330	Industry Standard Coding Practice - 2	0	0	4	1	24
	EEE 306	Power System Analysis	3	0	2	4	
	EEE 308	Power Electronics	3	0	2	4	
	EEE 309	Synchronous Machines	2	0	2	3	
	EEE 310 P	Multi-Disciplinary Design project	0	0	6	3	
	OE EEE 314	Open Elective Nuclear Power Generation	3	0	0	3	
	TE EEE 311 EEE 312	Technical Elective Non Linear Systems & Control Renewable Energy Systems	3	0	0	3	
	ENV 111	Environmental Science	2	0	2	3	
	ISES 312	Industry Specific Employability Skills VI	1	1	0	0	
	CSE 331	Industry Standard Coding Practice - 3	0	0	4	1	
Semester - VII	EEE 403	Switch Gear and Protection	3	0	2	4	24
	EEE 404	High Voltage Engineering	3	0	2	4	
	OE	Open Elective Embedded Systems VLSI Microwave theory and applications 3D Printing	3	0	0	3	

<b>Semester- VII</b>	<b>TE</b>	<b>Technical Elective</b> Electrical Machine Design HVDC System modeling and Identification Power Quality	3	0	0	3	23
	<b>TE</b>	<b>Technical Elective</b> Computer Techniques in power systems	3	0	0	3	
	<b>TE</b>	<b>Technical Elective</b> Pulsed power systems Flexible AC transmission system (FACTS) Nonlinear control system Utilization of electric power Advanced power electronics Resonant & soft switching converters E-Mobility	3	0	0	3	
		Humanities Elective	3	0	0	3	
<b>Semester- VIII</b>	EEE 410 P	Project	0	0	20	10	10
<b>Grand Total</b>							<b>164</b>