



**DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING
KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE:WARANGAL-15**

Semester-wise Structure of Curriculum

III - Semester [Second year]

Sl. No	Category	Course Code	Course Title	Hours per week			Credits	Evaluation Scheme				
				L	T	P		CIE			ESE	Total Marks
								TA	MSE	Total		
1	BSC	U18MH301	Engineering Mathematics - III	3	1	-	4	10	30	40	60	100
2	HSMC	U18TP302	Soft and Interpersonal Skills	-	-	2	1	100	-	100	-	100
3	OE	U18OE303	Open Elective-I	3	-	-	3	10	30	40	60	100
4	PCC	U18EC304	Signals & Systems	3	-	-	3	10	30	40	60	100
5	PCC	U18EC305	Analog Circuits - I	3	-	-	3	10	30	40	60	100
6	PCC	U18EC306	Switching Theory & Logic Design	3	-	-	3	10	30	40	60	100
7	ESC	U18EE312	Network Analysis	3	-	-	2	10	30	40	60	100
8	PCC	U18EC308	Analog Circuits - I Laboratory	-	-	2	1	40	-	40	60	100
9	OE	U18OE311	Open Elective-I based Laboratory	-	-	2	1	40	-	40	60	100
Total:				18	1	6	21	240	180	420	480	900

Periods: 25

Open Elective-I:

- U18OE303A: Object Oriented Programming (CSE)
- U18OE303B: Fluid Mechanics & Hydraulic Machines (CE)
- U18OE303C: Fundamentals of Mechatronics (ME)
- U18OE303D: Web Programming (IT)
- U18OE303E: Microprocessors (ECE)
- U18OE303F: Strength of Materials (CE)

Open Elective-I based Laboratory

- U18OE311A: Object Oriented Programming Lab (CSE)
- U18OE311B: Fluid Mechanics & Hydraulic Machines Lab (CE)
- U18OE311C: Mechatronics Lab (ME)
- U18OE311D: Web Programming Lab (IT)
- U18OE311E: Microprocessors Lab (ECE)
- U18OE311F: Strength of Materials Lab (CE)



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Semester-wise Structure of Curriculum

IV - Semester [Second year]

Sl. No	Category	Course Code	Course Title	Hours per week			Credits	Evaluation Scheme				
				L	T	P		CIE			ESE	Total Marks
								TA	MSE	Total		
1	OE	U18OE401	Open Elective-II	3	1	-	4	10	30	40	60	100
2	HSMC	U18MH402	Professional English	-	-	2	1	100	-	100	-	100
3	PCC	U18EC403	Electro Magnetic Waves & Transmission Lines	3	-	-	3	10	30	40	60	100
4	PCC	U18EC404	Analog Circuits - II	3	-	-	3	10	30	40	60	100
5	PCC	U18EC405	Pulse and Digital Circuits	3	-	-	3	10	30	40	60	100
6	PCC	U18EC406	Probability & Random Processes	3	-	-	3	10	30	40	60	100
7	PCC	U18EC407	Digital Design	3	-	-	3	10	30	40	60	100
8	MC	U18MH415	Essence of Indian Traditional Knowledge	2	-	-	-	10	30	40	60	100
9	PCC	U18EC408	Analog Circuits - II Laboratory	-	-	2	1	40	-	40	60	100
10	PCC	U18EC409	Pulse and Digital Circuits Laboratory	-	-	2	1	40	-	40	60	100
Total				20	1	6	22	250	210	460	540	1000
11	MC	U18CH416	Environmental Studies *	2	-	-	0	10	30	40	60	100

* indicates Mandatory Non Credit course for Lateral Entry Students Only

Periods: 27

Open Elective-II

- U18OE401A: Applicable Mathematics (M&H)
- U18OE401B: Basic Electronics Engg. (ECE)
- U18OE401C: Elements of Mech. Engg. (ME)
- U18OE401D: Measurements & Instrumentations (EIE)
- U18OE401E: Computers Networks (IT)
- U18OE401F: Renewable Energy Resources (EEE)