



RAYALASEEMA UNIVERSITY COLLEGE OF ENGINEERING, KURNOOL

Course Structure & Syllabus for B.Tech. Degree Program

(Effective for the batches admitted from 2023-24 onwards)

ELECTRONICS AND COMMUNICATION ENGINEERING

INDUCTION PROGRAM (3 weeks duration)

- ❖ Physical activity
- ❖ Career Counselling
- ❖ Proficiency Modules & Productivity Tools
- ❖ Assessment on basic aptitude and mathematical skills
- ❖ Remedial Training in Foundation Courses
- ❖ Human Values & Professional Ethics
- ❖ Communication Skills
- ❖ Concepts of Programming

B. Tech – I Semester (Theory – 5, Lab – 5)

S.No	Course Category	Course Code	Course Title	Instruction Hours per week			Credits	Scheme of Examination (Max. Marks)		
				L	T	P		CIE	SEE	Total
THEORY										
1	SH	23ASH9905	Linear Algebra and Calculus	3	0	0	3.0	30	70	100
2	SH	23ASH9904T	Engineering Physics	3	0	0	3.0	30	70	100
3	ES	23AES0201	Basic Electrical & Electronics Engineering	3	0	0	3.0	30	70	100
5	ES	23AES0501	Introduction to Programming	3	0	0	3.0	30	70	100
5	ES	23AES0302	Engineering Graphics	1	0	4	3.0	30	70	100
PRACTICAL										
6	SH	23ASH9904P	Engineering Physics Lab	0	0	2	1.0	30	70	100
7	SH	23AES0202	Electrical & Electronics Engineering Workshop	0	0	3	1.5	30	70	100
8	ES	23AES0502	Computer Programming Lab	0	0	3	1.5	30	70	100
9	ES	23AES0503	IT Workshop	0	0	2	1.0	30	70	100
10	SH	23ASH9908	NSS/NCC/Scouts & Guides/Community Service	-	-	1	0.5	100	-	100
TOTAL:				13	00	15	20.5	370	630	1000

B. Tech – II Semester (Theory – 5, Lab – 5)

S.No	Course Category	Course Code	Course Title	Instruction Hours per week			Credits	Scheme of Examination (Max. Marks)		
				L	T	P		CIE	SEE	Total
THEORY										
1	SH	23ASH9906	Differential Equations and Vector Calculus	3	0	0	3.0	30	70	100
2	SH	23ASH9901T	Chemistry	3	0	0	3.0	30	70	100
3	SH	23ASH9903T	Communicative English	2	0	0	2.0	30	70	100
4	ES	23AES0101	Basic Civil & Mechanical Engineering	3	0	0	3.0	30	70	100
5	PC	23APC0401T	Network Analysis	3	0	0	3.0	30	70	100
PRACTICAL										
6	SH	23ASH9901P	Chemistry Lab	0	0	3	1.0	30	70	100
7	SH	23ASH9903P	Communicative English Lab	0	0	2	1.0	30	70	100
8	PC	23APC0401P	Network Analysis and Simulation Lab	0	0	3	1.5	30	70	100
9	ES	23AES0301	Engineering Workshop	0	0	3	1.5	30	70	100
10	HS	23ASH9907	Health & wellness, Yoga and sports	-	-	1	0.5	100	-	100
TOTAL				14	0	12	19.5	370	630	1000