



SARVEPALLI RADHAKRISHNAN UNIVERSITY, BHOPAL

Scheme of examination as per AICTE model Curriculum w.e.f July 2019

Grading System

Course Name –Bachelor of Engineering (Electronics & Communication)

Semester III / Year : II

Scheme for 2019 Admitted Students onwards

S. No.	Subject Code	Category	Subject Name	Maximum Marks Allotted						Hours/ Week			Credit	Total Marks
				Theory			Practical			L	T	P		
				End Sem.	Mid Sem	Quiz, Assignment	End Sem	Lab work	Assignment / Quiz					
1	BE31	BSC	ENGINEERING MATHEMATICS (Probability Distribution & Statistics)	60	30	10	-	-	-	3	1	-	4	100
2	EC 31	CORE	SIGNALS & SYSTEMS	60	30	10	-	-	-	3	1	-	4	100
3	EC 32	CORE	ELECTRONICS DEVICES	60	30	10	30	10	10	2	1	2	4	150
4	EC 33	CORE	DIGITAL SYSTEM DESIGN	60	30	10	30	10	10	2	1	4	5	150
5	EC 34	CORE	NETWORK THEORY	60	30	10	30	10	10	3	1	2	5	150
6	BE 34	LC	SOFTWARE LAB-I(JAVA PROGRAMMING)	-	-	-	50	50	50	0	0	4	2	150
TOTAL				300	150	50	140	80	80	13	5	12	24	800
7	BE-35	PDPS	PROFESSIONAL DEVELOPMENT FINISHING SCHOOL-LEVEL-I						MANDATORY COURSE (NON CREDIT)					

L: Lecture

T:Tutorial

P:Practical



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Grading System

Course Name –Bachelor of Engineering (Electronics & Communication)

Semester IV / Year : II

Scheme for 2019 Admitted Students onwards

S. No.	Subject Code	Category	Subject Name	Maximum Marks Allotted						Hours/Week			Credit	Total Marks
				Theory			Practical			L	T	P		
				End Sem.	Mid Sem	Quiz, Assignment	End Sem	Lab work	Assignment / Quiz					
1	EC41	CORE	ANALOG AND DIGITAL COMMUNICATION	60	30	10	30	10	10	3	1	2	5	150
2	EC42	CORE	ANALOG CIRCUITS	60	30	10	30	10	10	3	1	2	5	150
3	EC43	CORE	ELECTRONICS & INSTRUMENTATION	60	30	10	30	10	10	3	1	2	5	150
4	EC44	CORE	COMMUNICATION NETWORK AND TRANSMISSION LINES	60	30	10	-	-	-	2	1	2	4	100
5	BE41	ECHS	ENGINEERING ECONOMICS AND ACCOUNTING	60	30	10	-	-	-	2	1		3	100
6	BE42	LC	SOFTWARE LAB-II(MATLAB/SCILAB/DOT NET)	-	-	-	50	50	50	0	0	4	2	150
TOTAL				300	150	50	140	80	80	13	5	12	24	800
7	BE43	MC	ENVIRONMENTAL SCIENCES							MANDATORY COURSE (NON CREDIT)				
8	BE-44	PDFS	PROFESSIONAL DEVELOPMENT FINISHING SCHOOL-LEVEL-II							MANDATORY COURSE (NON CREDIT)				

L: Lecture

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Course Name – Bachelor of Engineering (Electronics & Communication)

Semester V / Year : III

Scheme for 2019 Admitted Students Onwards

S. No.	Subject Code	Category	Subject Name	Maximum Marks Allotted						Hours/Week			Credit	Total Marks
				Theory			Practical			L	T	P		
				End Sem.	Mid Sem	Quiz, Assignment	End Sem	Lab work	Assignment / Quiz					
1	EC51	CORE	ELECTROMAGNETIC WAVES	60	30	10	30	10	10	2	1	4	5	150
2	EC52	CORE	AND STOCHASTIC PROCESSES	60	30	10	-	-	-	2	1	-	3	100
3	EC53	CORE	MICROCONTROLLERS	60	30	10	30	10	10	3	1	2	5	150
4	EC54	CORE	DIGITAL SIGNAL PROCESSING	60	30	10	30	10	10	3	1	4	6	150
5	EC55	ECEL	PROGRAM ELECTIVE -I-	60	30	10				3	1	-	4	100
6	EC56	LC	INDUSTRIAL TRAINING(TWO WEEKS)	-	-	-	50	50	50	0	0	2	1	150
TOTAL				300	150	50	140	80	80	13	5	12	24	800
7	BE 52	MC	ESSENCE OF INDIAN KNOWLEDGE TRADITION						MANDATORY COURSES (NON CREDIT)					
8	BE 53	PDFS	PROFESSIONAL DEVELOPMENT FINISHING SCHOOL-LEVEL-III						MANDATORY COURSE (NON CREDIT)					

L: Lecture

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P:Practical

Program Elective –I

EC55(A): CMOS DESIGN

EC55(B) WAVELETS

EC55(C) NANO ELECTRONICS



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Course Name –Bachelor of Engineering (Electronics & Communication)

Semester VI / Year : III

Scheme for 2019 Admitted Students Onwards

S. No.	Subject Code	Category	Subject Name	Maximum Marks Allotted						Hours/Week			Credit	Total Marks
				Theory			Practical			L	T	P		
				End Sem.	Mid Sem	Quiz, Assignment	End Sem	Lab work	Assignment / Quiz					
1	EC61	CORE	CONTROL SYSTEMS	60	30	10	30	10	10	3	1	2	5	150
2	EC62	CORE	VLSI CIRCUITS & SYSTEMS	60	30	10	30	10	10	2	1	4	5	150
3	EC63	CORE	ANTENNA AND WAVE PROPAGATION	60	30	10	30	10	10	3	1	2	5	150
4	EC64	ECEL	PROGRAM ELECTIVE -2-	60	30	10	-	-	-	3	1		4	100
5	EC65	OE-2	OPEN ELECTIVE-2	60	30	10	-	-	-	2	1		3	100
6	EC66	PROJ	MINI PROJECT/ELECTRONIC DESIGN WORKSHOP	-	-	-	50	50	50			4	2	150
TOTAL				300	150	50	140	80	80	13	5	12	24	800
7	BE 61	PDFS	PROFESSIONAL DEVELOPMENT FINISHING SCHOOL - LEVEL - IV						MANDATORY COURSE (NON CREDIT)					

L: Lecture

T:Tutorial

P:Practical

Program Elective –2

EC64(A) EMBEDDED SYSTEM
EC64(B) BIO-MEDICAL ELECTRONICS
EC64(C) MIXED SIGNAL DESIGN

Open Elective –2

EC65(A) COMPUTER NETWORK
EC65(B) DIGITAL IMAGE PROCESSING
EC65(C) NEURAL NETWORKS



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Semester VII / Year : IV

Scheme for 2019 Admitted Students onwards

S. No.	Subject Code	Category	Subject Name	Maximum Marks Allotted						Hours/ Week			Credit	Total Marks
				Theory			Practical			L	T	P		
				End Sem.	Mid Sem	Quiz, Assignment	End Sem	Lab work	Assignment / Quiz					
1	EC71	ECEL	PROGRAM ELECTIVE 3	60	30	10	30	10	10	3	1	2	5	150
2	EC72	ECEL	PROGRAM ELECTIVE 4	60	30	10	-	-	-	2	1	-	3	100
3	EC73	ECEL	PROGRAM ELECTIVE 5	60	30	10	30	10	10	3	1	2	5	150
4	EC74	OE-3	OPEN ELECTIVE 3	60	30	10	-	-	-	3	1	-	4	100
5	EC75	PROJ-EC	MAJOR PROJECT -I	-	-	-	100	50	50	-	-	8	4	200
6	EC76	HSMC	OPERATIONS RESEARCH	60	30	10	-	-	-	2	1	-	3	100
TOTAL				300	150	50	160	70	70	13	5	12	24	800

L: Lecture

T:Tutorial

P:Practical

Program Elective –3 EC71(A) - MICROWAVE THEORY AND TECHNIQUES EC71(B)- INFORMATION THEORY & CODING EC71(C)- SPEECH AND AUDIO PROCESSING	Program Elective –4 EC72(A) SATELLITE COMMUNICATION EC72(A)2 HIGH SPEED ELECTRONICS EC72(C) ERROR CORRECTING CODES	Program Elective –5 EC73(A) FIBER OPTICS COMMUNICATION EC73(B) INTRODUCTION TO MEMS EC73(C) ADAPTIVE SIGNAL PROCESSING	Open Elective 3 EC74(A) WIRELESS SENSOR NETWORK EC74(B) INTERNET OF THINGS EC74(C) SCADA AND SIMULATION
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Course Name –Bachelor of Engineering (Electronics & Communication)

Semester VIII / Year : IV

Scheme for 2019 Admitted Students onwards

S. No.	Subject Code	Category	Subject Name	Maximum Marks Allotted					Hours/ Week			Credit	Total Marks
				Theory			Practical		L	T	P		
				End Sem.	Mid Sem	Quiz, Assignment	End Sem	Term work					
1	EC81	PROJ-EC	MAJOR PROJECT - 2/ INTERNSHIP	-	-	-	600	200	-	-	30	15	800
TOTAL				-	-	-	600	200	-	-	30	15	800

L: Lecture

T:Tutorial

P:Practical