

SCHEME OF INSTRUCTION & EXAMINATION
B.E. VI- SEMESTER
(ELECTRONICS AND COMMUNICATION ENGINEERING)

CBCS.
VI / VII / VIII

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1	PC601EC	Digital Communication	3	1	0	4	30	70	3	3
2	PC602EC	Antennas and wave propagation	3	1	0	4	30	70	3	3
3	PC603EC	Microprocessor and Microcontroller	3	1	0	4	30	70	3	3
4	HS604EC	Managerial Economics & Accountancy	3	0	0	3	30	70	3	3
5	PE – I	Professional Elective-I	3	0	0	3	30	70	3	3
6	OE – I	Open Elective-I	3	0	0	3	30	70	3	3
Practical/Laboratory Courses										
7	PC651EC	Communication Lab	0	0	2	2	25	50	3	1
8	PC652EC	Microprocessor and Microcontroller Lab	0	0	2	2	25	50	3	1
9	MC	Mandatory Course	-	-	3	3	50	-	3	0
10	PC653EC	Summer Internship*	-	-	-	-	50	-	-	-
Total			18	3	7	28	280	520		20

PC: Professional Course PE: Professional Elective OE: Open Elective

HS: Humanities and Social Science MC: Mandatory Course

L: Lecture T: Tutorial P: Practical D: Drawing

CIE: Continuous Internal Evaluation SEE: Semester End Examination (Univ. Exam)

Note:

1. Each contact hour is a Clock Hour.
2. The Practical class can be of two and half hour (clock hours) duration as per therequirement of a particular laboratory.
3. *The students have to undergo a summer internship of four week duration after sixth semester and credits will be awarded in seventh semester after evaluation.

Shobha
HEAD OF THE DEPARTMENT
DEPARTMENT OF ECE
METHODIST COLLEGE OF ENGG & TECH.
ABIDS, HYDRABAD

Professional Elective – I			Open Elective - I		
S. No.	Course Code	Course Title	S. No.	Course Code	Course Title
1	PE671EC	Digital Image Processing	1	OE632AE	Automotive Safety & Ergonomics
2	PE672EC	Data Communication and computer networking	2	OE601CE	Disaster Management
3	PE673EC	Optical Communication	3	OE602CE	Geo Spatial Techniques
4	PE674EC	Digital TV Engineering	4	OE601CS	Operating Systems
			5	OE602CS	OOP using Java
			6	OE601EC	Principles of Embedded Systems **
			7	OE602EC	Digital System Design using Verilog HDL **
			8	OE601EE	Reliability Engineering
			9	OE602EE	Basics of Power Electronics
			10	OE601ME	Industrial Robotics
			11	OE602ME	Material Handling
			12	OE601LA	Intellectual Property Rights

Mandatory Course		
S. No.	Course Code	Course Title
1	MC951SP	Yoga Practice
2	MC952SP	National Service Scheme
3	MC953SP	Sports

Note: ** Indicates that subject is not offered to the students of Electronics and Communication Engineering Department.

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2019-20
CBCS

SCHEME OF INSTRUCTION & EXAMINATION
B.E. VII - Semester
(ELECTRONICS AND COMMUNICATION ENGINEERING)

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1	PC 701 EC	Embedded System	3	-	-	3	30	70	3	3
2	PC 702 EC	VLSI Design	3	-	-	3	30	70	3	3
3	PC 703 EC	Microwave Techniques	3	-	-	3	30	70	3	3
4	HS 707 ME	Industrial Administration and Financial Management	3	-	-	3	30	70	3	3
5		Professional Elective – II	3	-	-	3	30	70	3	3
6		Open Elective – II	3	-	-	3	30	70	3	3
7		Open Elective – III	3	-	-	3	30	70	3	3
8	MC 771 EG	Human Values and Professional Ethics	2	-	-	2	30	70	3	-
Practical/ Laboratory Courses										
9	PC 751 EC	Microwave Lab	-	-	2	2	25	50	3	1
10	PC 752 EC	Electronic Design & Automation Lab	-	-	2	2	25	50	3	1
11	PW 761 EC	Project Work – I	-	-	4	4	50	-	-	2
12	SI 762 EC	Summer Internship	-	-	-	-	50	-	-	2
			23	-	08	31	390	660		27

Professional Elective – II			Open Elective – II		
S. No.	Course Code	Course Title	S. No.	Course Code	Course Title
1	PE 721 EC	Mobile and Cellular Communications	1	OE 771 CE	Green Building Technologies
2	PE 722 EC	Speech Signal Processing	2	OE 772 CS	Data Science Using R Programming
3	PE 723 EC	Electronic Measurements and Instrumentation	3	OE 773 EC**	Fundamentals of IoT
4	PE 724 EC	Digital Signal Processor Architectures	4	OE 774 EE	Non-Conventional Energy Sources
			5	OE 775 ME	Entrepreneurship

Open Elective – III		
S. No.	Course Code	Course Title
1	OE 781 CE	Road Safety Engineering
2	OE 782 IT	Software Engineering
3	OE 783 EC**	Principles of Electronic Communications
4	OE 784 EE	Illumination and Electric Traction systems
5	OE 785 ME	Mechatronics

PC: Professional Course

PE: Professional Elective

L: Lectures

T: Tutorials

P: Practical

D: Drawing

CIE: Continuous Internal Evaluation

SEE: Semester End Examination (Univ. Exam)

Note: 1) Each contact hour is a Clock Hour

2) The practical class can be of two and half hour (clock hours) duration as per the requirement of a particular laboratory.

Note-2: * The students have to undergo a Summer Internship of four weeks' duration after VI semester and credits will be awarded in VII semester after evaluation.

** Subject is not offered to the students of ECE Department.

SCHEME OF INSTRUCTION & EXAMINATION
B.E. VIII - SEMESTER
(ELECTRONICS AND COMMUNICATION ENGINEERING)

S. No.	Course Code	Course Title	Scheme of Instruction				Scheme of Examination			Credits
			L	T	P/D	Contact Hrs/Wk	CIE	SEE	Duration in Hrs	
Theory Courses										
1		Professional Elective – III	3	-	-	3	30	70	3	3
2		Professional Elective – IV	3	-	-	3	30	70	3	3
3		Professional Elective – V	3	-	-	3	30	70	3	3
Practical/ Laboratory Courses										
5	PW961 EC	Project Work – II	-	-	16	16	50	100	-	8
			09	-	16	25	140	310		17

Professional Elective – II			Professional Elective – III		
S. No.	Course Code	Course Title	S. No.	Course Code	Course Title
1	PE 821 EC	Field Programmable Gate Arrays	1	PE 831 EC	Wireless Sensor Networks
2	PE 822 EC	Internet of Things	2	PE 832 EC	Global Navigational Satellite Systems
3	PE 823 EC	Neural Networks	3	PE 833 EC	System Verilog
4	PE 824 EC	Satellite Communications	4	PE 834 EC	Multirate Signal Processing
Professional Elective – IV					
1	PE 841 EC	Real Time Operating Systems			
2	PE 842 EC	Fuzzy Logic And Applications			
3	PE 843 EC	Radar Systems			
4	PE 844 EC	Design of Fault Tolerant Systems			

PC: Professional Course

PE: Professional Elective

L: Lectures

T: Tutorials

P: Practical

D: Drawing

CIE: Continuous Internal Evaluation

SEE: Semester End Examination (Univ. Exam)

Note: 1) Each contact hour is a Clock Hour

2) The duration of the practical class is two clock hours, however it can be extended wherever necessary, to enable the student to complete the experiment