

**COURSE STRUCTURE FOR B.TECH
(ELECTRONICS & COMMUNICATION ENGINEERING)
(2009-2013, 2010-2014)**

FIRST YEAR (FIRST SEMESTER) (Y: 2009-2013, 2010-2014)

S.N O	COURSE TITLE	PERIODS			CONTACT HOURS	CREDIT S
		L	T	P		
1.	TECHNICAL COMMUNICATION SKILLS-I	2	0	4	6	4
2.	MATHEMATICS – I	3	1	0	4	4
3.	APPLIED MATHEMATICS-II WITH MATLAB	3	1	2	6	5
4.	ENGINEERING CHEMISTRY	2	1	2	5	4
5.	PROGRAMMING IN C	3	1	2	6	5
6.	ENGINEERING MECHANICS	3	1	-	4	4
	TOTAL	16	5	10	31	26

FIRST YEAR (SECOND SEMESTER) (Y: 2009-2013, 2010-2014)

S.N O	COURSE TITLE	PERIODS			CONTA CT HOURS	CREDI TS
		L	T	P		
1.	TECHNICAL COMMUNICATION SKILLS-II	2	0	4	6	4
2.	ENGINEERING PHYSICS	3	1	2	6	5
3.	ELEMENTS OF CIVIL AND MECHANICS	3	1	2	6	4
4.	ENVIRONMENTAL STUDIES AND ENGINEERING	3	-	-	3	3
5.	CIRCUIT THEORY	3	1	-	4	4
6.	BASIC ELECTRICAL & ELECTRONICS	2	1	2	5	4
	TOTAL	16	4	8	30	24

SECOND YEAR (FIRST SEMESTER) (Y: 2009-2013, 2010-2014)

S.N O	COURSE TITLE	PERIODS			Contact Hours	CREDIT S
		L	T	P		
1.	ENGINEERING MATHEMATICS-III	3	-	-	3	4
2.	DIGITAL LOGIC DESIGN	3	-	2	5	4
3.	ELECTRONIC DEVICES & CIRCUITS	3	1	2	6	4
4.	ELECTROMAGNETIC FIELDS THEORY	3	1	-	4	4
5.	SIGNALS & SYSTEMS	3	1	2	6	4
6.	NETWORKS AND TRANSMISSION LINES	3	1	-	4	4
	TOTAL	18	4	6	28	24

SECOND YEAR (SECOND SEMESTER) (Y: 2009-2013, 2010-2014)

S.N O	COURSE TITLE	PERIODS			Contact Hours	CREDIT S
		L	T	P		
1.	ANALOG ELECTRONIC CIRCUITS	3	1	2	6	5
2.	PROBABILITY THEORY & STOCHASTIC PROCESSES	3	-	-	3	3
3.	LINEAR CONTROL SYSTEMS	4	-	-	4	4
4.	PULSE CIRCUITS	3	1	2	6	4
5.	ANALOG COMMUNICATIONS	3	1	2	6	5
6.	ELECTRONIC MEASUREMENTS AND INSTRUMENTATION	3	-	-	3	3
	TOTAL	19	3	6	28	24

THIRD YEAR (FIRST SEMESTER) (Y: 2009-2013, 2010-2014)

S.N O	COURSE TITLE	PERIODS			Contact Hours	CREDITS
		L	T	P		
1.	DIGITAL SIGNAL PROCESSING	3	1	2	6	4
2.	LINEAR IC'S AND APPLICATIONS	3	1	2	6	5
3.	MICROPROCESSORS AND MICROCONTROLLERS	3	-	2	5	4
4.	ELECTIVE -1	3	-	-	3	3
5.	ELECTIVE - 2	4	-	-	4	4
6.	COMMUNICATION AND SOFT SKILLS -1	2	-	2	4	2
	TOTAL	18	2	8	28	22

THIRD YEAR (SECOND SEMESTER) (Y: 2009-2013, 2010-2014)

S.N O	COURSE TITLE	PERIODS			Contact Hours	CREDIT S
		L	T	P		
1.	ANTENNA AND WAVE PROPAGATION	3	-	0	3	3
2.	DIGITAL COMMUNICATION	3	-	2	5	5
3.	ELECTIVE - 3	4	-	-	4	4
4.	ELECTIVE - 4	4	-	-	4	4
5.	ELECTIVE (INTER-DISCIPLINE)	4	-	-	4	4
6.	COMMUNICATION & SOFT SKILLS-II	2	-	2	4	2
7.	MINI PROJECT	-	-	4	4	2
	TOTAL	20	-	8	28	24

FOURTH YEAR (FIRST SEMESTER) (Y: 2009-2013, 2010-2014)

S.NO	COURSE TITLE	PERIODS			Contact Hours	CREDITS
		L	T	P		
1.	PRACTICE SCHOOL	-	-	-	-	18
	TOTAL	-	-	-	-	18

(OR)

FOURTH YEAR (FIRST SEMESTER) (Y: 2009-2013, 2010-2014)

S.NO	COURSE TITLE	PERIODS			Contact Hours	CREDITS
		L	T	P		
1.	OPEN ELECTIVE -1	4	-	-	4	3
2.	OPEN ELECTIVE -2	4	-	-	4	3
3.	PROJECT	-	--	-	-	12
	TOTAL	8	-	-	8	18

FOURTH YEAR (SECOND SEMESTER) (Y: 2009-2013, 2010-2014)

S.N O	COURSE TITLE	PERIODS			Contact Hours	CREDIT S
		L	T	P		
1.	MICROWAVE ENGINEERING	3	1	2	6	5
2.	OPTICAL COMMUNICATION	3	1	2	6	5
3.	ELECTIVE -5	4	-	-	4	3
4.	OPEN ELECTIVE - 3	4	-	-	4	3
5.	OPEN ELECTIVE - 4	4	-	-	4	3
6.	MANAGEMENT ELECTIVE	4	-	-	4	4
	TOTAL	22	2	4	28	23

Practice Oriented Industrial Project (6 Months):

50% students will be allowed in the 7th semester while rest of the 50% will be allowed in the 8th semester.