

B. Tech. Electronics & Communication Engineering

Four-Year Programme

Academic Curriculum (2009 – 10 onwards)

Fourth Year

	Course Code	Course Title	Contact Hours per Week			Credits	ETE Duration		Weightage (%)	
			L	T	P		Hours	CW*	MTT**	ETE
Autumn Semester	EC 401	Telecommunication Switching Systems and Networks	3	0	0	3	3	10	40	50
	EC 403	Optoelectronic Devices and Materials	3	1	0	4	3	10	40	50
	EE 401	Control Systems Engineering	2	1	0	3	2	10	40	50
	CS 403	Computer Networks	3	1	0	4	3	10	40	50
		Elective – II	3	1/0	0/2	4	3	10	40	50
	EE 421	Control Systems Laboratory	0	0	2	1	2	20	40	40
	EC 421	VLSI Laboratory	0	0	2	1	2	20	40	40
	EC 425	Minor Project	0	0	4	2	-	100		
	GE 401	Industrial Training Seminar ^{††}	0	0	4	2	-	100		
	GE 403	Discipline	-	-	-	1	-	100		
	Sub Total			14	3/4	12/14	25			
GE 405	Proficiency (Non Credit) [†]	-	-	-	1					

	Course Code	Course Title	Contact Hours per Week			Credits	ETE Duration		Weightage (%)	
			L	T	P		Hours	CW*	MTT**	ETE
Spring Semester	EC 402	Fiber Optics Communication	3	0	0	3	3	10	40	50
		Elective –III	3	1/0	0/2	4	3	10	40	50
		Elective—IV	3	1/0	0/2	4	3	10	40	50
	CS 422	Computer Networks Laboratory	0	0	2	1	2	20	40	40
	EC 422	Technical seminar	0	0	2	1	-	100		
	EC 424	Major Project	0	0	20	10	-	100		
	GE 402	Discipline	-	-	-	1	-	100		
	Sub Total			9	0/2	24/28	24			
GE 404	Proficiency (Non Credit) [†]	-	-	-	1					

Total Credits = 212

* **Theory: Assignments and regularity** will be evaluated out of 10(ten) marks in a semester.

Practicals: Practical record and regularity will be evaluated 4 (four) times in a semester. Each evaluation will be out of 10 (ten) marks.

** **Theory :** Two mid-term examinations of 20 (twenty) marks each.

Practicals: Viva/quizzes will be held 4 (four) times in a semester, each of 10 (ten) marks.

† Evaluation of proficiency will be based on the participation in co-curricular activities.

†† Students will go for an industrial training programme of 8 (eight) weeks in the summer after the end of the III year spring semester examination.