

B. Tech. in Computer and Communication Engg.

Yr	Sub Code	III Semester				Sub. Code	IV Semester				
		Sub.Name	L	T	P		C	Sub.Name	L	T	P
2		Mathematics - III	4	0	0	4	Mathematics - IV	4	0	0	4
		Data Structures	4	0	0	4	Operating Systems	4	0	0	4
		Digital Logic Design	4	0	0	4	Scripting Languages	4	0	0	4
		Signals & Systems	4	0	0	4	Microprocessors & Microcontrollers	4	0	0	4
		Object Oriented Programming	4	0	0	4	Digital Communication and Coding	4	0	0	4
		Data structures Lab	0	1	3	2	Open elective - I	3	0	0	3
		Digital Logic Design Lab	0	0	3	1	Microcontroller Lab	0	0	3	1
		Java Programming Lab	0	1	3	2	Operating Systems Lab	0	1	3	2
						Communications Lab	0	1	3	2	
		TOTAL	20	2	9	25	TOTAL	23	2	9	28
V semester						VI Semester					
3		Design and Analysis of Algorithms	4	0	0	4	Wireless Communication and Computing	4	0	0	4
		TCP/IP Protocol Suite	4	0	0	4	Program Elective	4	0	0	4
		Database Systems	4	0	0	4	Data Mining Algorithms	4	0	0	4
		Multi core Programming	4	0	0	4	Cloud Computing	4	0	0	4
		Network Programming	4	0	0	4	Open Elective –II	3	0	0	3
		Network Programming Lab	0	1	3	2	Network design Lab with Network tools	0	1	3	2
		Rational Unified Process Lab	0	1	3	2	Data Mining & predictive analysis Lab	0	1	3	2
		Database Systems Lab	0	1	3	2	Mobile Application Development Lab	0	1	3	2
		TOTAL	20	3	9	26	TOTAL	19	3	9	25
VII Semester						VIII Semester					
4		Behavioral Science & Economics	3	1	0	4	Industrial Training	0	0	0	1
		Wireless Sensor Networks	4	0	0	4	Project Work / Practice School	0	0	0	20
		Program Elective –II	4	0	0	4					
		Program Elective-III	4	0	0	4					
		Program Elective-IV	4	0	0	4					
		Seminar	0	0	3	1					
		Wireless Sensor Networks Lab	0	1	3	2					
	Hadoop Programming Lab	0	1	3	2						
		TOTAL	19	3	9	25	TOTAL	0	0	0	21

Program Electives

Computer Stream Electives :

Mathematical Logic with Applications
Machine Learning
Pattern Recognition
Software Engineering
System Software
Compiler Design
Mathematical modeling
Algebraic Structures
Applied Numerical Methods
Embedded Systems

Communication Stream

Satellite Communication
Distributed Computing
Grid Computing
Multimedia Communication
Optical Communication
Inter Vehicular Communication & GPS
Network Security
Data Compression & Information Security

Data Analytics

Information Retrieval
Business Data analytics
Social Network Analytics
Parallel Programming

Open Electives

Data Structures
Computer Graphics and Animation
Networking with TCP/IP
Parallel Algorithms