

**Syllabus of Electronics & Telecommunication Engineering**  
**Subjects in 1<sup>st</sup> year are common to all branches.**

<b>THEORY</b>	<b>SESSIONALS</b>
Mathematics-I	Engineering Drawing-I
Physics-I	'C' Programming Lab
Chemistry-I	Workshop Practice-I
Mechanics-I	Physics Laboratory
Basic Electrical Engineering	Chemistry Laboratory
Communicative English	Communication Practice Laboratory-II
Thermodynamics	Engineering Drawing-II
Basic Electronic Engineering	Data Structure in 'C' Laboratory
Programming in 'C'	Workshop Practice-II
Mathematics-II	Communication Practice Laboratory-II
Business Communication In English	
Data Structure Using 'C'	

**3<sup>rd</sup> Semester**

<b>THEORY</b>	<b>SESSIONALS</b>
Mathematics-III	Network and Devices Laboratory
Network Theory	Object Oriented Programming Laboratory
Analog Electronic Circuits	Mechanical Engineering Laboratory
Physics of Semiconductor Devices	Analog Electronics Laboratory
Object Oriented Programming Using C++	
Organisational Behaviour	

**4<sup>th</sup> Semester**

<b>THEORY</b>	<b>SESSIONALS</b>
Mathematics-IV	Basic Electrical Engineering Laboratory
Electrical Machines	Relational Database Management System Laboratory
Material Sciences	Basic Electronics Laboratory
Relational Database Management System	Digital Electronics Laboratory
Engineering Economics and Costing	
Digital Electronics Circuit	

**5<sup>th</sup> Semester**

<b>THEORY</b>	<b>SESSIONALS</b>
Optimisation in Engineering	Analog Communication Laboratory
Analog Communication Techniques	Power Electronics Laboratory
Digital Signal Processing	Digital Signal Processing Laboratory
Power Electronics	
Electronics Measurement and Measuring Instruments	
Electromagnetic Theory	

**6<sup>th</sup> Semester**

<b>THEORY</b>	<b>SESSIONALS</b>
Production and Operation Management	Digital Communication Laboratory
Digital Communication Techniques	Microprocessor and Microcontroller Laboratory
Microprocessors and Microcontrollers	Design and Simulation Laboratory
Control System Engineering	
Advanced Electronic Circuits	
Microwave Engineering	

**7<sup>th</sup> Semester**

<b>THEORY</b>	<b>SESSIONALS</b>
Environmental Engineering	Project
Communication Systems	Communication System Laboratory
Digital Image and Speech Processing	VLSI Laboratory
VLSI Design	Seminar
Electives (Any One) Computer Networks Computer System Architecture Advanced Control System Engineering Antenna Engineering	
Electives (Any One) Adaptive Signal Processing Computer Graphics and Multimedia Operating Systems Soft Computing	

**8<sup>th</sup> Semester**

<b>THEORY</b>	<b>SESSIONALS</b>
Marketing Management	Project
Mobile Communication	Seminar
Electives (Any One) Internet Security and Professional Ethics Core JAVA Biomedical Instrumentation and Measurement Radar and Television Engineering	Entrepreneurship Project
Electives (Any One) E-Commerce Advanced JAVA (J2EE) Mobile Computing Information System and Design Advanced Communication System Software Engineering	Comp. Viva Voce