

SVKM's NMIMS
Mukesh Patel School of Technology Management & Engineering
Syllabus Structure: B.Tech. (Electronics & Telecommunication)

First Year (All Branches)

Trimester I	Trimester II	Trimester III
Maths I	Maths II	Maths III
Applied Science I	Communication Skill	Workshop
Drawing	Engineering Mechanics	Applied Science II
Basic Electrical Engineering	Basic Electronics	Electrical Measuring Instruments & Machines
Computer Prog.-I	Computer Prog.-II	Computer Application
Second Year.		
Trimester IV	Trimester V	Trimester VI
Applied Mathematics IV**	Applied Mathematics V**	Signal Conditioning and Filter Design
Electrical Networks Analysis and Synthesis *	Signals and Systems *	Principles of Communication Engineering *
Logic Circuit Design *	Electronic circuit Analysis and Design*	Electromagnetic Field Theory
Advanced Electronics *	Electronic Instrumentation	Integrated Circuits and Wave Shaping Techniques
Numerical Techniques *	Seminar – I (Report)	Seminar – II (Presentation)
Third Year.		
Trimester VII	Trimester VIII	Trimester IX
Microprocessor Fundamentals	Microcontrollers & Embedded Programming	Computer Communication Networks
Microwave Theory and Circuits	Digital Signal Processing	Antenna and Wave Propagation
Communication Circuits	Microwave Devices	TV and Video Engineering
Probability and Random Process	Digital communication	Industrial Economics & Project Management
Constitution of India	-	-
Seminar - 3 (Report)	Seminar - 4 (Presentation)	Minor Project
Fourth year		
Trimester X	Trimester XI	Trimester XII
Satellite Communication & Radar	Optical Fiber Communication	Telecom Network Planning and Management
Control Systems and Automation	Mobile Communication	Wireless Networks
-	Environmental Studies	
Elective I	Elective II	Elective III
Project I	Project II	Project III

Elective – I

- Simulation of Communication Systems
- Image Processing
- Digital Voice Communication

Elective – II

- Data Compression & Encryption
- VLSI Design
- Speech Processing

Elective – III

- Optical Networks
- Advanced Communication Networks
- Broadband Technology

* Syllabus Common with Electronics. ** Common to all branches