

DEGREE ROAD MAP – R20

1-1

MA101BS
Mathematics-I

PH102BS
Applied Physics

CS103ES
Programming for
Problem Solving

ME104ES
Engineering
Graphics

PH105BS
Applied Physics
Lab

CS106ES
Programming
for Problem
Solving Lab

MC107ES
Environmental
Science

MC108
Business English

1-2

MA201BS
Mathematics-II

CH202BS
Engineering
Chemistry

EE203ES
Basic Electrical
Engineering

ME205ES
Engineering
Workshop

EN205HS
English

CH206BS
Engineering
Chemistry Lab

EN207HS
English Language
& Communication
Skills lab

EE208ES
Basic Electrical
Engineering Lab

MC209
Python
Programming

MC210
Aptitude &
Reasoning

2-1

EC301PC

Electronic
Devices and
Circuits

EC302PC

Network
Analysis and
Transmission
Lines

EC303PC
Switching
Theory and Logic
Design

EC304PC

Signals and
Systems

EC305ES

Probability
Theory and
Stochastic
Processes

EC306PC

Electronic
Devices and
Circuits Lab

EC307PC

Digital Logic
Design Lab

EC308PC

Basic Simulation
Lab

MC309HS

Constitution of
India

MC310EC

Fundamentals of
Data Structures

MC311

Advanced
Python
Programming

2-2

MA402BS

Numerical
Methods,
Complex
Variables &
Statistical
Inference

EC402PC

Electromagnetic
Fields and Waves

EC403PC

Analog and
Digital
Communications

EC404PC

Analog and Pulse
Circuits

EC405PC

Linear and Digital
Integrated
Circuits

EC406PC

Analog and
Digital
Communications
Lab

EC407PC

Analog and
Pulse Circuits
Lab

EC408PC

Linear and
Digital
Integrated
Circuits Lab

MC409HS

Gender
Sensitization Lab

MC410EC

Electronic Circuit
Design Lab

3-1

EC501PC

Microprocessors
&
Microcontrollers

CS502ES

Data
Communications
and Networks

EE503ES

Control Systems

SM504MS

Business Economics
& Financial Analysis

Professional
Elective-I

EC505PC

Microprocessors
& Microcontrollers
Lab

EC506PC

Data
Communications
and Networks Lab

EN508HS

Advanced English
Communication
Skills Lab

MC509

Intellectual
Property Rights

MC510EC

Fundamentals of
Cyber Security

MC511EC

Internship in
industry

3-2

EC601PC

Antennas and
Propagation

EC602PC

Digital Signal
Processing

EC603PC

VLSI Design

Professional
Elective-II

Open Elective-I

EC604PC

Digital Signal
Processing Lab

EC605PC

e – CAD Lab

EC605PC

Scripting Languages
Lab

MC601EC

Numerical Ability &
Reasoning

MC602EC

Fundamentals of
Artificial Intelligence

4-1

EC701PC
Microwave and
Optical
Communications

Professional
Elective-III

Professional
Elective-IV

Open Elective-II

SM701MS
Professional
Practice, Law&
Ethics

EC703PC
Project Stage-I

EC704PC
Microwave and
Optical
Communications
Lab

EC705PC
Industrial
Oriented Mini
Project/Summer
Internship

EC706PC
Seminar

4-2

Open Elective-III

Professional
Elective-V

Professional
Elective-VI

EC801PC
Project Phase-II