DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING(R20 General Minor)
(common to ECE,EEE,Mech,Civil & Chem)

S.NO.	COURSE NAME	L-P-T	CR
1	CONCEPTS OF OBJECT-ORIENTED PROGRAMMING	3-0-1	4
2	DATA STRUCTURES	3-0-1	4
3	COMPUTER OPERATING SYSTEMS	3-0-1	4
4	FUNDAMENTALS OF COMPUTER NETWORKS	3-0-1	4
5	FILE SYSTEMS & DATA BASES	3-0-1	4
6	INTRODUCTION TO SOFTWARE ENGINEERING	3-0-1	4

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING(R20 Minor SPECIALIZED TRACKS)
(common to ECE,EEE,Mech,Civil & Chem)

TRACK-1 (ARTIFICIAL INTELLIGENCE)

S.NO.	COURSE NAME	L-P-T	CR
1	INTRODUTION TO AI	3-0-1	4
2	INTRODUCTION TO MACHINE LEARNING	3-0-1	4
3	INTRODUCTION TO DEEP LEARNING	3-0-1	4
4	AI IN ROBOTICS	3-0-1	4

TRACK-2 (DATA SCIENCE)

S.NO.	COURSE NAME	L-P-T	CR
1	BASICS OF DATA SCIENCE	3-0-1	4
2	DATA VISUALIZATION & ANALYSIS WITH SPREAD SHEETS	3-0-1	4
3	INTRODUCTION TO DATA WAREHOUSE AND DATA MINING	3-0-1	4
4	INTRODUCTION TO DATA ANALYTICS	3-0-1	4

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
TRACK-1 (Programming and Application Development)

S NO	Code	Course Name	L-T-P	Credits
1	CSE H122	Mobile Application Development	3-0-1	4
2	CSE H131	Full Stack Web Development	3-0-1	4
3	CSE H132	Cloud Application Development and Deployment	3-0-1	4
4	CSE H141	Microservices	3-0-1	4

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
TRACK-2 (Security Engineering Trackt)

S NO	Code	Course Name	L-T-P	Credits
1	CSE H222	Information Security & Auditing	3-0-1	4
2	CSE H231	System Secure Engineering	3-0-1	4
3	CSE H232	Cyber Security	3-0-1	4
4	CSE H241	Hardware Security	3-0-1	4

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
TRACK-3 (Soft Computing techniques)

S NO	Code	Course Name	L-T-P	Credits
1	CSE H322	Introduction to SoftComputing	3-0-1	4
2	CSE H331	Evolutionary techniques	3-0-1	4
3	CSE H332	Optimization techniques	3-0-1	4
4	CSE H341	Fuzzy Computing	3-0-1	4

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
TRACK-4 (Computer Networks and Engineering)

S NO	Code	Course Name	L-T-P	Credits
1	CSE H422	Mobile and Cellular Networks	3-0-1	4
2	CSE H431	4G/5G Networks	3-0-1	4
3	CSE H432	Wireless Sensor Networks	3-0-1	4
4	CSE H441	Network Management	3-0-1	4