IV/IV B.Tech SEM-I -REGULAR (R20) - 320 Series
BRANCH WISE SUBJECT CODES

CHEMICAL

SUBJECT CODE	SUBJECT NAME
CHE411	Open Elective-III
CHE412	Chemical Reaction Engineering – II
CHE413	Transport Phenomena
CHE414	Chemical Process Economics and Equipment Design
CHE415	Process Modeling and Simulation
CHE416 (B)	Nanotechnology (Professional Elective-V)
CHE417	Chemical Reaction Engineering Lab
CHE418	Process Modeling and Simulation Lab
CHE419	Project Phase – I
CHE410	Summer Internship - II

CIVIL

SUBJECT CODE	SUBJECT NAME
CIV411 (A)	Project Planning and Mnagement
CIV412	Estimation & Costing
CIV413A	Transportation engineering (Professional Elective – II)
CIV413F	Pre stressed concrete (Professional Elective – II)
CIV414C	Water Resource Engineering - II (Professional Elective – III)
CIV415B	Advanced Building Construction (Professional Elective – IV)
CIV415C	Air Pollution Control (Professional Elective – IV)
CIV416	Project work-I
CIV417	Summer Internship-II

CSD

SUBJECT CODE	SUBJECT NAME
CSD 411	Open Elective-III
CSD 412(D)	NATURAL LANGUAGE PROCESSING (PROFESSIONAL ELECTIVE -IV)
CSD 413(A)	INTERNET OF THINGS (PROFESSIONAL ELECTIVE -V)
CSD 414	BUSINESS INTELLIGENCE
CSD 415	DATA ANALYTICS
CSD 418	PROJECT PHASE 1
CSD 419	SUMMER INTERNSHIP-INDUSTRY-2
CSD 417	DATA ANALYTICS LAB
CSD 416	OBJECT ORIENTED SOFTWARE ENGINEERING LAB

CSE (A,B,C)	
SUBJECT CODE	**SUBJECT NAME**
CSE411	Open Elective-III
CSE412A	Computer Vision (Professional Elective- IV)
CSE412D	Principles of Programming Languages (Professional Elective - IV)
CSE413A	Internet of Things (Professional Elective-V)
CSE413D	Cloud Computing (Professional Elective-V)
CSE414	Principles of Management & Financial Accounting
CSE415	Data Analytics
CSE416	Cryptography & Network Security Lab
CSE417	Data Analytics Lab
CSE 418	Project -I
CSE 419	Summer Internship-Industry-2
CSM	
SUBJECT CODE	**SUBJECT NAME**
CSM 411	Open Elective-III
CSM412(D)	NATURAL LANGUAGE PROCESSING (PROFESSIONAL ELECTIVE -IV)
CSM413(A)	INTERNET OF THINGS (PROFESSIONAL ELECTIVE -V)
CSM 414	INTRODUCTION TO INTELLIGENT SYSTEMS
CSM 415	ARTIFICIAL INTELLIGENCE IN ROBOTICS
CSM 416	OBJECT ORIENTED SOFTWARE ENGINEERING LAB
CSM 417	ARTIFICIAL INTELLIGENCE IN ROBOTICS- LAB
CSM 418	PROJECT PHASE 1
CSM 419	SUMMER INTERNSHIP-INDUSTRY -2
ECE (A,B,C)	
SUBJECT CODE	**SUBJECT NAME**
ECE411	Open Elective-III
ECE412	Engineering Economics and Management
ECE413(a)	Cellular and Mobile Communications Professional Elective- IV)
ECE413(b)	Computer Network Engineering(Professional Elective- IV)
ECE414(b)	Digital Image Processing(Professional Elective- V)
ECE414(c)	Low power VLSI (Professional Elective- V)
ECE415	Microwave and Radar Engineering
ECE416	Microwave Engineering Laboratory
ECE417	Digital Image Processing Lab
ECE418	Internship-II
ECE419	Project Phase – I

EEE (A,B,C)

SUBJECT CODE	SUBJECT NAME
EEE411	Open Elective-III
EEE412A	Electric Hybrid Vehicles (Professional Elective-III)
EEE412C	Smart Grid (Professional Elective-III)
EEE413	Energy Management & Control (Professional Elective –IV)
EEE414	Renewable Energy Technologies (Professional Elective –V)
EEE415	Power Electronics Laboratory
EEE416	Power Systems Simulation Laboratory
EEE417	Project -I
EEE418	Summer Internship

IT (A,B,C)

SUBJECT CODE	SUBJECT NAME
IT411	Open Elective-III
IT412	Deep Learning (Professional Elective-IV)
IT413	Natural Language Processing (Professional Elective-V)
IT414	Cryptography & Network Security
IT415	Data Science
IT416	Data Science Applications Lab
IT417 (A)	MAD Lab (Elective Lab-II)
IT417 (B)	R Programming Lab (Elective Lab-II)
IT418	Project Phase-I
IT419	Internship in Industry-II

MECH (A,B,C,D)

SUBJECT CODE	SUBJECT NAME
MEC411	Open Elective-III
MEC412A	Mechanical Measurements (Professional Elective-III)
MEC412C	Condition Monitoring (Professional Elective-III)
MEC413B	Managerial Economics & Financial Accountancy (Professional Elective-IV)
MEC414	Operations Research (Professional Elective-V)
MEC415	Heat Transfer
MEC420	Automobile Engineering
MEC416	Metrology & Mechatronics-Lab
MEC417	Heat Transfer-Lab
MEC418	Industrial Training-II
MEC419	Project Phase-I