

**Anil Neerukonda Institute of Technology & Sciences (Autonomous)**

(Permanent Affiliation by Andhra University & Approved by AICTE
Accredited by NBA (ECE, EEE, CSE, IT, Mech. Civil & Chemical) & NAAC)
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IV-IV B.TECH I-SEM SUBJECT NAME & SUBJECT CODE (R20)

CHEMICAL	
SUBJECT	SUBJECT NAME
CHE418	Process Modeling and Simulation Lab
CHE419	Project Phase – I
CHE410	Summer Internship - II
CHE411 (B)	Introduction to IOT (OE-III)
CHE414	Chem Process Economics & Equipment Design
CHE416 (B)	Nanotechnology (PE-V)
CHE413	Transport Phenomena
CHE412	Chemical Reaction Engineering – II
CHE415	Process Modeling and Simulation

CIVIL	
SUBJECT	SUBJECT NAME
CIV416	Project work-I
CIV417	Summer Internship-II
CIV411 (A)	Project Planning and Management(OE-III)
CIV412	Estimation & Costing
CIV414C	Water Resource Engineering - II (PE–III)
CIV413	Tunnel Engineering (PE-II)
CIV415C	Air Pollution Control (PE–IV)
CIV415	Basics of Earthquake Resistant Design (PE-IV)

CSD	
SUBJECT	SUBJECT NAME
CSD 417	Data Analytics Lab
CSD 418	Project Phase-I
CSD 419	Summer Internship-Industry-2
CSD 416	Object Oriented Software Engineering Lab
CSD 412(D)	Natural Language Processing (PE-IV)
CSE 413(D)	Cloud Computing (PE-V)
CSD 414	Business Intelligence
CSD 415	Data Analytics

EEE

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

IT

SUBJECT CODE	SUBJECT NAME
IT416	Data Science Applications Lab
IT417 (A)	MAD Lab (EL-II)
IT417 (B)	R Programming Lab (EL-II)
IT418	Project Phase-I
IT419	Internship in Industry-II
IT411 (J)	Technical English (OE-III)
IT411 (K)	Psychology of Learning (OE-III)
IT411 (N)	Green Technology (OE-III)
IT414	Cryptography & Network Security
IT412	Deep Learning (PE-IV)
IT412(B)	Digital Forensics (PE-IV)
IT413	Natural Language Processing (PE-V)
IT413 (A)	Malware Analysis (PE-V)
IT415	Data Science

MECHANICAL

SUBJECT CODE	SUBJECT NAME
MEC416	Metrology & Mechatronics-Lab
MEC417	Heat Transfer-Lab
MEC418	Industrial Training-II
MEC419	Project Phase-I
MEC411 (C)	Robotics (OE-III)
MEC412A	Mechanical Measurements (PE-III)
MEC413B	Managerial Economics & Financial Accountancy (PE-IV)
MEC414	Operations Research (PE-V)
MEC415	Heat Transfer
MEC420	Automotive Engineering

CSE	
SUBJECT CODE	SUBJECT NAME
CSE 418	Project -I
CSE 419	Summer Internship-Industry-2
CSE416	Cryptography & Network Security Lab
CSE417	Data Analytics Lab
CSE411(O)	Electric Hybrid Vehicles (OE-III)
CSE415	Data Analytics
CSE414	Principles of Management & Financial Accounting
CSE412D	Principles of Programming Languages (PE-IV)
CSE413D	Cloud Computing (PE-V)

CSM	
SUBJECT CODE	SUBJECT NAME
CSM 417	ARTIFICIAL INTELLIGENCE IN ROBOTICS- LAB
CSM 418	Project Phase-I
CSM 419	Summer Internship-Industry-2
CSM 416	Object Oriented Software Engineering Lab
CSM412(D)	Natural Language Processing (PE-IV)
CSM 413(D)	Cloud Computing (PE-V)
CSM 414	Introduction to Intelligent Systems
CSM 415	ARTIFICIAL INTELLIGENCE IN ROBOTICS

ECE	
SUBJECT CODE	SUBJECT NAME
ECE416	Microwave Engineering Laboratory
ECE417	DSP Lab
ECE418	Internship-II
ECE419	Project Phase – I
ECE411 (O)	Optimization Techniques (OE-III)
ECE415	Microwave and Radar Engineering
ECE412	Engineering Economics and Management
ECE413(a)	Cellular and Mobile Communications (PE-IV)
ECE413(b)	Computer Network Engineering(PE-IV)
ECE414(b)	Digital Image Processing(PE-V)
ECE414(c)	Low power VLSI (PE-V)