

Mechanical Engineering (ME)

B.Tech III Year I Semester	
Subject Name	Credits
Design of Machine Members-I	3
Thermal Engineering –II	3
Dynamics of Machinery	3
Machine tools and Metrology	3
PROFESSIONAL ELECTIVE – I	3
Automobile Engineering	
Computational Fluid Dynamics	
Welding Technology	
OPEN ELECTIVE – I	3
Elements of Mechanical Engineering	
Engineering Mechanics	2
Thermal Engineering lab	
Metrology and machine Tools Lab	2
Training & Placement Cell Course-I	2
Total	24

B.Tech III Year II Semester	
Subject Name	Credits
Design of Machine Members-II	3
Heat Transfer	3
Finite Element Methods	3
Managerial Economics and Financial Analysis	3
PROFESSIONAL ELECTIVE – II	3
Refrigeration and Air Conditioning	
Renewable Energy Sources	
Tool Design	
OPEN ELECTIVE – II	3
Basic Automobile Engineering	
Material Science Engineering	2
Heat Transfer Lab	
Advanced English Communication	2
Skills Lab	
Training & Placement Cell Course-II	2
Total	24

Electrical and Electronics Engineering (EEE)

B.Tech III Year I Semester		
S.No.	Subject Name	Credits
1	Managerial Economics and Financial Accounts	3
2	Power Electronics	3
3	Power Systems-II	3
4	Electrical Machines-III	3
5	OPEN ELECTIVE-1 I. Non Conventional energy sources II. Energy Management	3
6	PROFESSIONAL ELECTIVE-1 1. High Voltage Engineering 2. Advanced Control Systems 3. Linear Systems Analysis	3
7	Electrical Machines lab-II	2
8	Control Systems & Simulation Lab	2
9	Training & Placement Cell Course-I	2
	TOTAL	24

B.Tech III Year II Semester		
S.No.	Subject Name	Credits
1	IC Applications	3
2	Electrical and Electronics Instrumentation	3
3	Power Semiconductor Drives	3
4	Switchgear & Protection	3
5	OPEN ELECTIVE-2 I. Fundamentals of Electrical Power Utilization II. Energy auditing & Conservation	3
6	PROFESSIONAL ELECTIVE-2 1. Renewable Energy Sources 2. Reliability Engineering 3. Digital Control Systems	3
7	Power Electronics and Simulation Lab	2
8	Advanced English Language Communication Skills Lab	2
9	Training & Placement Cell Course-II	2
	Total	24

Computer Science and Engineering (CSE)

B.Tech III Year I Semester

B.Tech III Year II Semester

S.No	Subject Name	Credits	Subject Name	Credits
1	Linux Programming	3	Web Technologies	3
2	Computer Networks	3	Compiler Design	3
3	Operating Systems	3	Data Warehousing & Data Mining	3
4	Formal Languages & Automata Theory	3	Managerial Economics And Financial Analysis	3
5	Professional Elective-1: • Principles of Programming Languages • Human Computer Interaction • Software Project Management	3	Professional Elective-2 • Object Oriented Analysis & Design • Distributed Systems • Information Retrieval Systems	3
6	Open elective – 1 I. Java Programming II. Operating Systems	3	Open Elective-2 I. Database management systems II. Software Engineering	3
7	Operating Systems & Computer Networks lab through LINUX.	2	Web Technologies & Case Tools Lab	2
8	ACS Lab	2	Compiler Design & Data Mining Lab	2
9	Training & Placement Cell Course-I	2	Training & Placement Cell Course-II	2
26-Apr-17	Total	24	Total	24

Information Technology (IT)

B.Tech III Year I Semester		
S. No.	Subject Name	Credits
1	Linux Programming	3
2	Computer Networks	3
3	Operating Systems	3
4	Cloud Computing	3
5	Professional Elective-1 <ul style="list-style-type: none"> • Principles of Programming Languages • Human Computer Interaction • Software Project Management 	3
6	Open Elective-1 I. Java Programming II. Operating Systems	3
7	Operating Systems & Computer Networks lab through LINUX.	2
8	ACS Lab	2
9	Training & Placement Cell Course-I	2
	Total	24

B.Tech III Year II Semester		
S. No.	Subject Name	Credits
1	Web Technologies	3
2	Automata & Compiler Design	3
3	Data Warehousing & Data Mining	3
4	Managerial Economics & Financial Analysis	3
5	Professional Elective-2 <ul style="list-style-type: none"> • Object Oriented Analysis & Design • Distributed Systems • Information Retrieval Systems 	3
6	Open Elective-2 I. Database management systems II. Software Engineering	3
7	Web Technologies Lab	2
8	Data Mining & Case Tools Lab	2
9	Training & Placement Cell Course-II	2
	Total	24

Electronics and Communication Engineering (ECE)

S. No	<u>B.Tech III Year I Semester</u> Subject Name	Credits
1	Analog Communications	3
2	Linear & Digital IC Applications	4
3	Control Systems Engineering	3
4	Professional Elective – 1 I. Computer organization and architecture II. Soft computing III. Biomedical instrumentation	3
5	Open Elective – 1 I. Introduction to Microcontrollers and Applications II. Basic Electronics and Instrumentation	3
6	Analog Communications Lab	2
7	Linear & Digital IC Applications Lab	2
8	Advanced English Language & Communication Skills Lab	2
9	Training & Placement Cell Course-I	2
	Total	24

S. No	<u>B.Tech III Year II Semester</u> Subject Name	Credits
1	VLSI Design	3
2	Digital Signal Processing	3
3	Microprocessors and Microcontrollers	3
4	Managerial Economics and Financial Analysis	3
5	Professional Elective – 2 I. Optical Communications II. Programming in MATLAB III. Satellite and Wireless Communications	3
6	Open Elective – 2 I. Fundamentals of Embedded Systems II. Principles of Communications	3
7	Microprocessors and Microcontrollers Lab	2
8	Digital Signal Processing & e-CAD Lab	2
9	Training & Placement Cell Course-I	2
	Total	24

Civil Engineering (CE)

B.Tech III Year I Semester

B.Tech III Year II Semester

S. No.	Subject Name	Credits	Subject Name	Credits
1	Managerial Economics and Financial Analysis	3	Environmental Engineering-I	3
2	Design of Reinforced Concrete Structures	3	Steel Structure Design and Drawing	3
3	Geotechnical Engineering	3	Transportation Engineering – I	3
4	Water resources engineering - I	3	Foundation Engineering	3
5	<ul style="list-style-type: none"> • Indeterminate Structural Analysis • Groundwater Hydrology • Rock Mechanics 	3	<ul style="list-style-type: none"> • Ground improvement Techniques • Earthquake Engineering • Building, Planning, Design and Drawing 	3
6	Remote Sensing And GIS Smart City	3	Environmental pollution and control methods Green Buildings	3
7	Geotechnical Engineering Lab	2	Computer Aided Drafting of Building Lab	2
8	FM & HM Lab	2	Advance English Communication Skills Lab	2
9	Training & Placement Cell Course-I	2	Training & Placement Cell Course-II	2
	Total	24	Total	24