

I B.Tech

COURSE STRUCTURE

(Common to Branches: ECE, EEE, EIE, CSE & IT)

Code	Subject	Scheme of instruction periods/week		Credits	Scheme of Examination		
		Theory	Practical		Internal Marks	External Marks	Total Marks
Theory							
A0001121	Professional English	3+1*	-	3	30	70	100
A0002121	Engineering Physics	3+1*	-	4	30	70	100
A0003121	Engineering Chemistry	3+1*	-	4	30	70	100
A0004121	Mathematics – I	3+1*	-	4	30	70	100
A0005121	Mathematical Methods	3+1*	-	4	30	70	100
A0501121	Fundamentals of Computers & C Programming	3+1*	-	5	30	70	100
A0301121	Engineering Drawing	6	-	4	30	70	100
Practical							
A0591121	Computer Programming Lab	-	3	3	25	50	75
A0391121	Engineering and IT Workshop	-	3	3	25	50	75
A0091121	Engineering Physics Lab and Engineering Chemistry Lab	-	3	3	25	50	75
A0092121	English Language Communication Skills Lab	-	3	3	25	50	75
Total		30	12	40	310	690	1000

II B.TECH, I-SEMESTER COURSE STRUCTURE

Subject Code	Subject	Hours/ Week			Credits	Marks		
		Theory	Tutorial	Lab		Internal	External	Total
Theory								
A0012123	Probability and Statistics	3	1	-	3	30	70	100
A0502123	Digital Logic Design	3	1	-	3	30	70	100
A0503123	Mathematical Foundations of Computer Science	3	1	-	3	30	70	100

A0504123	Data Structures	3	1	-	3	30	70	100
A0010123	Environmental Studies	3	1	-	3	30	70	100
A0206123	Principles of Electrical and Electronics Engineering	3	1	-	3	30	70	100
A0009123	Corporate Management Skills(Skill Development Course)	3	-	-	2	30+70	-	100
Practical								
A0592123	Data Structures Lab	-	-	3	2	25	50	75
A0593123	Digital Logic Design Lab	-	-	3	2	25	50	75
A0294123	Principles of Electrical and Electronics Engineering Lab	-	-	3	2	25	50	75
	Contact Periods / Week	21	6	9	26	355	570	925

II B.TECH, II-SEMESTER COURSE STRUCTURE

Subject Code	Subject	Hours/ Week			Credits	Marks		
		Theory	Tutorial	Lab		Internal	External	Total
Theory								
A0011123	Managerial Economics & Financial Analysis	3	1	-	3	30	70	100
A0505124	Computer System Design	3	1	-	3	30	70	100
A0506124	Object Oriented Programming	3	1	-	3	30	70	100
A0507124	Formal Languages and Automata Theory	3	1	-	3	30	70	100
A0508124	Database Management Systems	3	1	-	3	30	70	100
A0509124	Operating Systems	3	1	-	3	30	70	100
A0007123	Aptitude Arithmetic Reasoning & Comprehension (Skill Development Course)	3	-	-	2	30+70	-	100
Practical								
A0594124	Operating Systems Lab	-	-	3	2	25	50	75
A0595124	Object Oriented Programming Lab	-	-	3	2	25	50	75
A0596124	Database Management Systems Lab	-	-	3	2	25	50	75
	Contact Periods / Week	21	6	9	26	355	570	925

III B.TECH, I-SEMESTER COURSE STRUCTURE

Subject Code	Subject	Hours/ Week			Credits	Marks		
		Theory	Tutorial	Lab		Internal	External	Total

Theory								
A0510125	Advanced Java Programming	3	1	-	3	30	70	100
A0511125	Computer Networks	3	1	-	3	30	70	100
A0512125	Principles of Programming Languages	3	1	-	3	30	70	100
A0513125	Compiler Design	3	1	-	3	30	70	100
A0514125	Software Engineering	3	1	-	3	30	70	100
A0515125	C# and .Net Framework	3	1	-	3	30	70	100
A0013125	Professional Ethics and soft skills (Skill Development Course)	3	-	-	2	30+70	-	100
Practical								
A0597125	Advanced Java Programming Lab	-	-	3	2	25	50	75
A0598125	C# and .Net Framework Lab	-	-	3	2	25	50	75
A0599125	Computer Networks & Compiler Design Lab	-	-	3	2	25	50	75
	Contact Periods / Week	21	6	9	26	355	570	925

III B.TECH, II-SEMESTER COURSE STRUCTURE

Subject Code	Subject	Hours/ Week			Credits	Marks		
		Theory	Tutorial	Lab		Internal	External	Total
Theory								
A0517126	Mobile Computing	3	1	-	3	30	70	100
A0518126	Design And Analysis Of Algorithms	3	1	-	3	30	70	100
A1229126	Information Security	3	1	-	3	30	70	100
A0520126	Software Testing Methodologies And Tools	3	1	-	3	30	70	100
A0521126	UNIX and Shell Programming	3	1	-	3	30	70	100
	<u>Elective-I</u>	3	1	-	3	30	70	100
A0526126	Introduction to Oracle 9i (Skill Development Course)	3	-	-	2	30+70	-	100
Practical								
A0581126	Software Testing Tools Lab	-	-	3	2	25	50	75
A1294124	UNIX and Shell Programming Lab	-	-	3	2	25	50	75
A0582126	Design and Analysis of Algorithms Lab	-	-	3	2	25	50	75
	Contact Periods / Week	21	6	9	26	355	570	925

IV B.TECH, I-SEMESTERCOURSE STRUCTURE

Subject Code	Subject	Hours/ Week			Credits	Marks		
		Theory	Tutorial	Lab		Internal	External	Total
Theory								
A0528127	Computer Graphics	3	1	-	3	30	70	100
A0527127	Web Technologies & Programming	3	1	-	3	30	70	100
A0529127	Data Warehousing & Mining	3	1	-	3	30	70	100
A0530127	Software Project Management	3	1	-	3	30	70	100
	Elective-II	3	1	-	3	30	70	100
	Elective-III	3	1	-	3	30	70	100
A0537127	CCNA (Skill Development Course)	3	-		2	30+70	-	100
Practical								
	Elective-II Lab	-	-	3	2	25	50	75
A0586127	Web Technologies & Programming Lab	-	-	3	2	25	50	75
A0587127	Mini Project	-	-	3	2	25	50	75
	Contact Periods / Week	21	6	9	26	355	570	925

IV B.TECH, II-SEMESTERCOURSE STRUCTURE

Subject Code	Subject	Hours/ Week			Credits	Marks		
		Theory	Tutorial	Lab		Internal	External	Total
Theory								
A0014125	Management Science	3	1	-	3	30	70	100
	Elective-IV	3	1	-	3	30	70	100
	Elective-V	3	1	-	3	30	70	100
A0015125	Man Management (Skill Development Course)	3	-	-	2	30+70	-	100
Project, Seminar, Comprehensive Viva								
A0588128	Seminar	-	-	-	2	50	-	50
A0589128	Comprehensive Viva-Voce	-	-	-	3	-	50	50
A0590128	Project Work	-	-	-	10	50	100	150
	Contact Periods / Week	12	3	-	26	290	360	650

ELECTIVES

S.No	Code	Name of the Subjects
Elective-I		
1	A0522126	Cloud Computing
2	A0523126	Distributed Systems
3	A0524126	Advanced Computer Architecture
4	A0525126	Virtual Reality
Elective-II		
1	A0531127	SAP ABAP and Basic Applications
2	A0532127	Network Programming
3	A0423127	Digital Image Processing
4	A1220126	Embedded Computing
Elective-III		
1	A0533127	Distributed Databases
2	A0534127	Fundamentals of Soft Computing
3	A0535127	Object Oriented Software Engineering.
4	A0536127	Enterprise Application Integration
<u>Elective-IV (Open Elective)</u>		
1	A1227126	Human Computer Interaction
2	A0538128	Intellectual Property Rights & Cyber Law
3	A0539128	Green IT
4	A0540128	Computer Forensics
Elective-V		
1	A0541128	Concepts of Machine Learning
2	A0542128	Game Theory
3	A1225126	Multimedia and Application Development
4	A0543128	Adhoc& Sensor Networks
<u>Elective-ILab</u>		
1	A0583127	SAP ABAP Applications Lab

2	A0584127	Network Programming Lab
3	A0585127	Digital Image Processing Lab
4	A1298126	Embedded Computing Lab