

B.Tech Information Technology

Syllabus

Ist SEMSETER

S. No	Course Title	Nature of Subject	Dept. Offering the Subject	Weekly Load		
				L*	T*	P*
		Compulsory(C)/ Elective(E)				
1.	Engg Chemistry	C	Applied Sciences	3	1	-
2.	Engg Mathematics-I	C	Applied Sciences	4	2	-
3.	Elements of Mechanical Design	C	ME	4	1	-
4.	Engg Drawing & computer graphics	C	ME	1	-	6
5.	Fundamental of Computer Programming & IT	C	IT	3	-	-
6.	Fundamental of Computer Programming & IT Lab	C	IT	-	-	4
7.	Engg Chemistry Laboratory	C	Applied Sciences	-	-	2
8.	Computer Graphics	C	ME	-	-	2

IInd SEMSETER

S. No	Course Title	Nature of Subject	Dept. Offering the Subject	Weekly Load		
				L*	T*	P*
		Compulsory(C)/ Elective(E)				
1.	Engg Physics	C	Applied Sciences	3	1	-
2.	Engg Mathematics-I	C	Applied Sciences	4	2	-
3.	Communication Skills	C	Applied Sciences	3	0	0
4.	Basic Electronics & Electrical engg.	C	ECE	4	1	-
5.	Engg Physics Laboratory	C	Applied Sciences	-	-	2

6.	Basic Electronics & Electrical Lab	C	ECE	-	-	2
7.	Manufacturing practice	C	ME	1	-	6
8.	Communication Skill Lab	C	Applied Sciences	0	0	2

IIIrd SEMSETER

S. No	Course Title	Nature of Subject	Dept. Offering the Subject	Weekly Load		
				L*	T*	P*
		Compulsory(C)/ Elective(E)				
1.	Computer Architecture	C	CSE/IT	3	1	-
2.	Discrete Structures	C	Applied Sciences	3	1	-
3.	Digital Circuits & Logic Design	C	ECE	3	1	-
4.	Data Structures & Programming Methodology	C	IT	3	1	
5.	Written & Oral Technical Communication	C	Applied Sciences	2	1	-
6.	Programming Languages	C	IT	3	1	-
7.	Software Lab – I (DSPM)	C	IT	-	-	3
8.	Institutional Practical Training	C	IT	-	-	-
9.	Hardware Lab – I (DCLD)	C	ECE	-	-	2
10.	Software Lab – II (DSPM)	C	IT	-	-	3

IVth SEMSETER

S. No	Course Title	Nature of Subject	Dept. Offering the Subject	Weekly Load		
				L*	T*	P*
		Compulsory(C)/ Elective(E)				
1.	Operating System	C	IT	3	1	-
2.	Mathematics - III	C	Applied	3	1	-

			Sciences			
3.	Data Communication	C	IT	3	1	-
4.	Microprocessor & Assembly Language Programming	C	ECE	3	1	
5.	System Programming	C	IT	3	1	-
6.	Software Lab – III (OS)	C	IT	-	-	2
7.	H/W Lab. II (DC)	C	IT	-	-	2
8.	H/W Lab. III (Microprocessor & Assembly Language Programming)	C	ECE	-	-	2

Vth SEMSETER

S No	Course Title	Nature of Subject	Dept. Offering the Subject	Weekly Load		
				L*	T*	P*
		Compulsory(C)/ Elective(E)				
1.	System Analysis and Design	C	IT	3	1	-
2.	Windows Programming	C	IT	3	1	-
3.	Data Base Management System	C	IT	3	1	-
4.	Electronics Commerce	C	IT	3	1	
5.	Parallel Architecture & Computing	C	IT	2	1	-
6.	Windows programming Lab.	C	IT	3	1	-
7.	DBMS Lab	C	IT	-	-	3
8.	Electronics Commerce Lab	C	IT	-	-	2
9.	Industrial Training	C	IT	-	-	2
10	Software Lab – II (DSPM)	C	IT	-	-	3

Vith SEMSETER

S. No	Course Title	Nature of Subject	Dept. Offering the Subject	Weekly Load		
				L*	T*	P*
		Compulsory(C)/				

		Elective(E)				
1.	Advanced Internet Technologies	C	IT	3	1	-
2.	Management Information Systems	C	IT	3	1	-
3.	Web Administration	C	IT	3	1	-
4.	Network operating System	C	IT	3	1	
5.	Open Elective <ul style="list-style-type: none"> • Human Resource Management • Total Quality Management Optimization Techniques • Industrial Measurement • Operation Research 	E	Applied Sciences	2	1	-
6.	Elective –I <ul style="list-style-type: none"> • Expert System • Neural Networks • Artificial Intelligence & Applications 	E	IT	3	1	-
7.	MIS Lab	C	IT	-	-	3
8.	Web Administration Lab	C	IT	-	-	4
9.	NOS Lab	C	IT	-	-	2
10	General Fitness	C	IT	-	-	-

VIIth SEMSETER

S. No	Course Title	Nature of Subject	Dept. Offering the Subject	Weekly Load		
				L	T	P
1.	Industrial Training	Compulsory (C)/ Elective(E)	IT			
		C		6 Months		

VIIIth SEMSETER

S No	Course Title	Nature of Subject	Dept. Offering the Subject	Weekly Load		
				L*	T*	P*
		Compulsory(C)/ Elective(E)				
1.	Introduction to Java	C	IT	3	1	-
2.	E-Services	C	IT	3	1	-
3.	Environmental Sciences	C	CE	3	1	-
4.	Elective-II <ul style="list-style-type: none"> • Multimedia and Applications • Data ware Housing and Mining • Modeling and Simulation 	E	IT	3	1	
5.	Elective-III Software Project Management	E	IT	2	1	-
6.	Major Project	C	IT	3	1	-
7.	Introduction to Java Practical	C	IT	-	-	3
8.	General Fitness	C	IT	-	-	-

***L = Lecture, T = Tutorial/Seminar, P =Practical/Project**