

**IV Semester B.E. Information Science & Engineering**

Sl. No.	Subject Code	Subject	Teaching Dept.	Teaching hours / week		Examination Duration & Marks			
				Th.	Pr.	Hrs.	I.A.	Exam	Total
1.		Maths IV	Maths	4	-	3	25	100	125
2.		Graph Theory and Combinatorics	CSE/ISE	4	-	3	25	100	125
3		Analysis and Design of Algorithms	CSE/ISE	4	-	3	25	100	125
4		Object Oriented Programming	CSE/ISE	4	-	3	25	100	125
5		Microprocessors	CSE/ISE	4	-	3	25	100	125
6		Computer Organization	CSE/ISE	4	-	3	25	100	125
7		Object Oriented Programming Lab.	CSE/ISE	-	3	3	25	50	75
8		Microprocessors Lab.	CSE/ISE	-	3	3	25	50	75
<b>Total</b>				24	6	-	200	700	900

**V Semester B.E. Information Science & Engineering**

Sl. No.	Subject Code	Subject	Teaching Dept.	Teaching hours / week		Examination Duration & Marks			
				Th.	Pr.	Hrs.	I.A.	Exam	Total
1.		Finite Automata and Formal Languages	CSE/ISE	4	-	3	25	100	125
2.		Operating Systems	CSE/ISE	4	-	3	25	100	125
3		Management & Entrepreneurship	CSE/ISE	4	-	3	25	100	125
4		Data Communications	CSE/ISE	4	-	3	25	100	125
5		Microcontrollers & Advanced Microprocessors	CSE/ISE	4	-	3	25	100	125
6		File Structures	CSE/ISE	4	-	3	25	100	125
7		Operating Systems Lab.	CSE/ISE	-	3	3	25	50	75
8		Algorithms Lab.	CSE/ISE	-	3	3	25	50	75
<b>Total</b>				24	6	-	200	700	900

**VI Semester B.E. Information Science & Engineering**

Sl. No.	Subject Code	Subject	Teaching Dept.	Teaching hours / week		Examination Duration & Marks			
				Th.	Pr.	Hrs.	I.A.	Exam	Total
1.		System Software & Compiler Design	CSE/ISE	4	-	3	25	100	125
2.		Software Engineering	CSE/ISE	4	-	3	25	100	125
3.		Computer Graphics	CSE/ISE	4	-	3	25	100	125
4.		Computer Networks	CSE/ISE	4	-	3	25	100	125
5.		Database Management Systems	CSE/ISE	4	-	3	25	100	125
6.		Elective-I	CSE/ISE	4	-	3	25	100	125
7.		Computer Networks Lab.	CSE/ISE	-	3	3	25	50	75
8.		DBMS Lab.	CSE/ISE	-	3	3	25	50	75
Total				24	6	-	200	700	900

Elective-I to be chosen from the following	
<i>Subject Code</i>	<i>Subject</i>
	Optical Networks
	Control Systems
	Principles of Programming Languages
	Digital Image Processing
	Artificial Intelligence and Expert Systems
	Probability & Queuing Theory
	System Simulation & Modelling

**VII Semester B.E. Information Science & Engineering**

Sl. No.	Subject Code	Subject	Teaching Dept.	Teaching hours / week		Examination Duration & Marks			
				Th.	Pr.	Hrs.	I.A.	Exam	Total
1.		Engineering Technology & Management	CSE/ISE	4	-	3	25	100	125
2.		Object Oriented Analysis & Design	CSE/ISE	4	-	3	25	100	125
3		Java & Internet Programming	CSE/ISE	4	-	3	25	100	125
4		Unix System Programming	CSE/ISE	4	-	3	25	100	125
5		Elective-II	CSE/ISE	4	-	3	25	100	125
6		Elective-III	CSE/ISE	4	-	3	25	100	125
7		System Programming Lab.	CSE/ISE	-	3	3	25	50	75
8		Internet Programming Lab.	CSE/ISE	-	3	3	25	50	75
Total				24	6	-	200	700	900

Elective-II to be chosen from the following		Elective-III to be chosen from the following	
<i>Subject Code</i>	<i>Subject</i>	<i>Subject Code</i>	<i>Subject</i>
	Broad Band Networks		Wireless Networks
	Real Time Operating Systems and Embedded Systems		Unix Kernel Programming
	Middleware Technologies		User Interface Design
	Computer Vision		Pattern Recognition
	Decision Support Systems		Multimedia Computing

### VIII Semester B.E. Computer Science & Engineering

Sl. No.	Subject Code	Subject	Teaching Dept.	Teaching hours / week		Examination Duration & Marks			
				Th.	Pr.	Hrs.	I.A.	Exam	Total
1.		Computer Architecture	CSE/ISE	4	-	3	25	100	125
2.		Software Metrics & Testing	CSE/ISE	4	-	3	25	100	125
3		Elective-IV	CSE/ISE	4	-	3	25	100	125
4		Elective-V	CSE/ISE	4	-	3	25	100	125
5		Project Work	CSE/ISE	-	3	3	100	100	200
6		Seminar	CSE/ISE	-	3	-	50	-	50
Total				16	6	-	250	500	750

Elective-IV to be chosen from the following		Elective-V to be chosen from the following	
<i>Subject Code</i>	<i>Subject</i>	<i>Subject Code</i>	<i>Subject</i>
	Network Management Systems		Cryptography & Network Security
	Advanced Microcontrollers		Digital Signal Processing
	Data Warehousing & Mining		Distributed Computing
	Neural Networks		Fuzzy Logic
	Supply Chain Management		Customer Relationship Management