

SAURASHTRA UNIVERSITY, RAJKOT
B.E. FIRST YEAR [CE/EC/IT/EEE]

Code No	Subject	Teaching Scheme		Examination Scheme			
		Lect.	Pra.	Theory	Paper Hrs.	T.W. & Viva/Pra	Total
101	Communication skills	2	-	50	2	25	75
102	Mathematics	3	-	100	3	-	100
103	Engineering Graphics	2	2	100	3	50	150
104	Material Science	2	-	100	3	-	100
105	Principles of Electrical Engineering	2	2	100	3	25	125
106	Fundamentals of Electronics	2	2	100	3	25	125
107	Computer Programming - I	2	2	100	3	25	125
108	Principles of Structural and Mech. Engg.	2	2	100	3	50	150
109	Electronics Practice	1	2	-	-	50	50
	TOTAL	18	12	750	-	250	1000

SAURASHTRA UNIVERSITY, RAJKOT
SEMESTER III [CE/EC/IT]

Code No	Subject	Teaching Scheme		Examination Scheme				
		Lect .	Pra .	Theor y	Paper Hrs.	Prac/ Oral	Term Work	Total
301	Applied Mathematics	4	-	100	3	-	-	100
302	Electronic Circuit - I	4	2	100	3	25	25	150
303	Control Systems	4	2	100	3	25	25	150
304	Computer Programming - II	4	2	100	3	25	25	150
305	Digital Electronics	4	2	100	3	25	25	150
306	Electronics Workshop	-	2	-	-	25	25	50
	TOTAL	20	10	500	-	125	125	750

SAURASHTRA UNIVERSITY, RAJKOT

SEMESTER IV (CE/IT)

Code	Subject	Teaching Scheme			Exam Scheme			
		Lect.	Pract.	Theor y	Paper Hrs.	Prac. Oral	Term Work	Total
401	Describe Mathematics	4	-	100	3	-	-	100
402	Electronics Communication	4	2	100	3	25	25	150
403	Computer Organization	4	-	100	3	--	--	100
404	Management Information System	4	2	100	3	25	25	150
405	Object Oriented Programming	4	2	100	3	25	25	150
406	Computer Peripheral.	-	2	-	-	25	25	50
407	Advance Software Development Tool Lab	-	2	-	-	25	25	50
	Total	20	10	500	-	125	125	750

SAURASHTRA UNIVERSITY, RAJKOT
B.E. SEMESTER V(CE)

Code No.	Subject	Teaching Scheme			Exam Scheme			
		Lect.	Pract.	Theory	Paper Hrs.	Prac. Oral	Term Work	Total
501	Data Base Management	4	2	100	3	50	25	175
502	Data Structure & Algorithms	4	2	100	3	50	25	175
503	Advanced Microprocessors Interfacing & Programming	4	2	100	3	50	25	175
504	Computer Oriented Numeric Technique	4	2	100	3	50	25	175
505	Economics & Business Management	4	-	100	3	-	-	100
506	Seminar	-	2	-	-	-	50	50
Total		20	10	500	-	200	150	850

SAURASHTRA UNIVERSITY , RAJKOT
B.E. SEM VI (CE)

Code No.	Subject	Teaching Scheme			Exam Scheme			
		Lect	Prac.	Theory	Paper Hrs.	Prac/ Oral	Term Work	Total
601	Computer Graphics	4	2	100	3	50	25	175
602	System Analysis Design& UML	4	-	100	3	-	-	100
603	Operating System-I	4	2	100	3	50	25	175
604	Computer Network	4	2	100	3	50	25	175
605	Semi Project - I	-	2	-	-	75	25	100
606	Elective - I	4	2	100	3	50	25	175
Total		20	10	500	-	275	125	900

Subjects for Elective I :

1. Java Programming
2. Dot net technology
3. Web development tools
4. System Programming
5. Theory of Computation

B.E. SEM – VII (CE)

Code No.	Subject	Teaching Scheme		Exam Scheme				
		Lect	Prac.	Theory	Paper Hrs.	Prac/ Oral	Term Work	Total
701	Software Engineering	04	-	100	03	-	-	100
702	Advanced Database Management system	04	02	100	03	50	25	175
703	Compiler Design	04	02	100	03	50	25	175
704	Elective-I	04	02	100	03	50	25	175
705	Elective-II	04	02	100	03	50	25	175
706	Semi Project – II	-	02	-	-	75	25	100
TOTAL		20	10	500	-	275	125	900

Subjects for Elective I :

1. Artificial Intelligence
2. Distributed Systems
3. Mobile Computing
4. Network Protocols
5. Parallel Processing

Subjects for Elective II :

1. Adv. Dot Net Technology
2. Adv. Java Programming
3. GUI Design and Programming
4. Unix Network Programming
5. Cryptography and Network Security

SEMESTER - VIII (CE)

Code No.	Subject	Teaching Scheme		Exam Scheme				
		Lect.	Pract.	Theory	Paper Hrs	Pract. Oral	T/W	Total
801	Industry Project							
	(a)Continuous assessment		06				100	100
	(b) Project		24			200	100	300
TOTAL			30			200	200	400

801 PROJECT

Project Work will be carried out at the end of sem. VIII examination. The students will have to carry out project in industrial organization or at the institute during semester VIII end submit a comprehensive report of project at the end of the semester VIII.

Examination will be carried out by total 4 (2 internal + 2 external) examinations