

Course Content

The B.Sc. Information Technology syllabus has been updated every three years by the Board of studies for Information Technology . At present there are 8 Language papers, 15 Core Computer papers, 3 Elective papers with Project Work & Viva-Voce, 4 Skill Based Papers, 2 Non-major Elective papers. In addition, the course has the value added papers viz., Value education, Environmental studies, General knowledge & Soft skills.

Theory papers:

Digital Principles & Applications, Data Structures, Software Engineering, TCP/IP, Operating Systems, RDBMS, Web Design , C, C++, Java, Principles of Information Security ,Management Information System, Operations Research, Numerical Methods, Statistics, Introduction to Information System, Visual Basic.

Practical Papers:

C, C++, Visual Basic, HTML, JAVA, ORACLE, LINUX, FLASH, PHOTOSHOP, PHP,VB.NET, etc.,

Sourashtra College (Autonomous) :: Madurai-4 Department of Information Technology Course Structure

I - Semester

S. No.	Sub. Code	Subject Title	Hours / Week	Exam (Hrs.)	CA	SE	Total Marks	Credits
1	24UACT11/ H11/S11	Tamil/ Hindi/ Sanskrit	6	3	25	75	100	3
2	24UACE11	English	6	3	25	75	100	3
3	24UITC11	Core 1: Programming in C	5	3	25	75	100	4
4	24UITCP1	Core 2: Programming in C Lab	5	3	40	60	100	4
5	24UITA11	Allied 1: Discrete Mathematics	4	3	25	75	100	4
6	24UITS11	SBS 1: Digital Computer Fundamentals	2	3	25	75	100	2
7	24UACVE1	Value Education	2	3	25	75	100	2
		TOTAL	30				700	22

II - Semester

S. No.	Sub. Code	Subject Title	Hours / Week	Exam (Hrs.)	CA	SE	Total Marks	Credits
1	24UACT21/ H21/S21	Tamil/ Hindi/ Sanskrit	6	3	25	75	100	3
2	24UACE21	English	6	3	25	75	100	3
3	24UITC21	Core 3: Java Programming & Data Structure	5	3	25	75	100	5
4	24UITCP2	Core 4: Java Programming & Data Structure Lab	5	3	25	25	100	4
5	24UITA21	Elective Course 1 Statistical Method	4	3	25	75	100	4
6	24UITS11	SEC 1: Multimedia Lab	2	3	25	75	100	2
7	24UACES1	Environmental Studies	2	3	25	75	100	2
		TOTAL	30				700	23

III - Semester

S. No.	Subject Code	Subject Title	Hrs./ Week	Exam (Hrs.)	CA	SE	Total Marks	Credits
1.	21UACT31/ H31/S31	Part – I: Tamil / Hindi /Sanskrit	6	3	25	75	100	3
2.	21UACE31	Part – II: English – English For Enrichment – III	6	3	25	75	100	3
3.	21UITC31	Part – III: Core – 5: Object Oriented Programming Using C++	5	3	25	75	100	4
4.	21UITCP3	Part – III: Core – 6:	5	3	40	60	100	4

		Lab: Object Oriented Programming Using C++						
5.	21UITA31	Part – III: Allied – 3: Operations Research	4	3	25	75	100	4
6.	21UITSP1	Part – IV: SBS – 3: Lab: Office Automation	2	3	40	60	100	2
7.	21UITN31	Part – IV: NME – 1: Introduction to Information System	2	3	25	75	100	2
		TOTAL	30				700	22

IV – Semester

S. No.	Subject Code	Subject Title	Hrs./ Week	Exam (Hrs.)	CA	SE	Total Marks	Credits
1.	21UACT41/ H41/S41	Part – I: Tamil / Hindi /Sanskrit	6	3	25	75	100	3
2.	21UACE41	Part – II: English – English For Enrichment – IV	6	3	25	75	100	3
3.	21UITC41	Part – III: Core – 5: Java Programming	5	3	25	75	100	4
4.	21UITCP4	Part – III: Core – 6: Lab: Java Programming	5	3	40	60	100	4
5.	21UITA41	Part – III: Allied – 4: Numerical Methods	4	3	25	75	100	4
6.	21UITSP2	Part – IV: SBS – 3: Lab: Multimedia Lab	2	3	40	60	100	2

7.	21UITN41	Part – IV: NME – 2: Introduction to Office Automation	2	3	25	75	100	2
		TOTAL	30				700	22

V – Semester

S. No.	Sub. Code	Subject Title	Hrs. / Week	Exam (Hrs.)	CA	SE	Total Marks	Credits
1.	21UITC51	Part – III: Core – 9: Operating System Concepts	6	3	25	75	100	4
2.	21UITC52	Part – III: Core – 10: TCP/IP	5	3	25	75	100	4
3.	21UITC53	Part – III: Core – 11: Python Programming	5	3	25	75	100	4
4.	21UITCP5	Part – III: Core – 12: Lab: Python Programming	5	3	40	60	100	4
5.	Part – III: Elective – 1:		5	3	25	75	100	5
	21UITE51	Mobile Computing						
	21UITE52	Big Data Fundamental						
	21UITE53	BioMetrics						
6.	21UITSP3	Part – IV: SBS – 5: Lab: VB Dot Net	2	3	40	60	100	2
7.	21UITSP4	Part – IV: SBS – 6: Lab: OS (Linux)	2	3	40	60	100	2

8.	21USSY51	Soft Skills (Self-Study)	–	–	–	–	100	–
		TOTAL	30				800	25

***One elective course to be chosen from THREE courses**

VI – Semester

S. No.	Sub. Code	Subject Title	Hr s. / We ek	Exam (Hrs.)	CA	SE	Total Marks	Credits
1.	21UITC61	Part – III: Core – 13: Software Engineering	5	3	25	75	100	4
2.	21UITC62	Part – III: Core –14: Relational Database Management System	5	3	25	75	100	4
3.	21UITCP6	Part – III: Core – 15: Lab : Oracle	5	3	40	60	100	4
4.	21UITCP7	Part – III: Core – 16: Lab : HTML & PHP	5	3	40	60	100	4
5.		Part – III: Elective – 2:	5	3	25	75	100	5
	21UITE61	Principles of Information Security						
	21UITE62	Software Testing						
	21UITE63	Ethical Hacking						
6.	21UITEV1	Part – III : Elective–3: Project and Viva Voce	5	3	40	60	100	5
7.	21UGKY61	General Knowledge	–	–	–	–	100	–

		(Self-Study)						
		TOTAL	30				700	26