

Course Study

B.Sc COMPUTER SCIENCE

SYLLABUS

2020-21

S.NO.	PART	SUBJECT NAME	CREDITS	MAXIMUM MARKS		
				EXTERNAL MARKS	INTERNAL MARKS	TOTAL
SEMESTER I						
1	I	Tamil/ Other languages – I	3	75	25	100
2	II	English - I	3	75	25	100
3	III	Core I : Problem Solving using Python	4	75	25	100
4	III	Practical I : Problem Solving using Python Lab	3	60	40	100
5	III	Allied I: Mathematics I	5	75	25	100
6	IV	Basic Tamil/Advanced Tamil/Non Major Elective I	2	75	25	100
7	IV	Soft Skill I	3	50	50	100
		Total Credits	23			
SEMESTER II						
			CREDITS	EXTERNAL MARKS	INTERNAL MARKS	TOTAL
8	I	Tamil/ Other languages – II	3	75	25	100
9	II	English - II	3	75	25	100
10	III	Core II : Computer Organization	4	75	25	100
11	III	Practical II : Computer Organization Lab	3	60	40	100
12	III	Allied II: Mathematics II	5	75	25	100
13	IV	Basic Tamil/Advanced Tamil/Non Major Elective II	2	75	25	100
14	IV	Soft Skill II	3	50	50	100
		Total Credits	23			
SEMESTER III						
			CREDITS	EXTERNAL MARKS	INTERNAL MARKS	TOTAL
15	I	Tamil/ Other languages – III	3	75	25	100
16	II	English - III	3	75	25	100
17	III	Core III : Java and Data Structures	4	75	25	100
18	III	Practical III : Data Structures using Java Lab	3	60	40	100
19	III	Allied III: Physics I / Statistics I	5	75	25	100
20	IV	Soft Skill III	3	50	50	100
21	IV	Environmental Studies	Examination will be held in Semester IV			
		Total Credits	21			
SEMESTER IV						
			CREDITS	EXTERNAL MARKS	INTERNAL MARKS	TOTAL
22	I	Tamil/ Other languages – IV	3	75	25	100
23	II	English - IV	3	75	25	100
24	III	Core IV : Web technology	4	75	25	100
25	III	Practical IV : Web Technology Lab	3	60	40	100
26	III	Allied IV: Physics II / Statistics II	5	75	25	100
27	IV	Soft Skill IV	3	50	50	100
28	IV	Environmental Studies	2	75	25	100
		Total Credits	23			

SEMESTER V			CREDITS	EXTERNAL MARKS	INTERNAL MARKS	TOTAL
29	III	Core V: Computer Network	4	75	25	100
30	III	Core VI: Operating System	5	75	25	100
31	III	Core VII: Relational Database Management System	4	75	25	100
32	III	Practical V: Operating System Lab	3	60	40	100
33	III	Practical VI : PL/SQL Lab	3	60	40	100
34	III	Elective I	5	75	25	100
35	IV	Value Education	2			
Total Credits			26			
SEMESTER VI			CREDITS	EXTERNAL MARKS	INTERNAL MARKS	TOTAL
36	III	Core VIII: Software Engineering	4	75	25	100
37	III	Core IX: Introduction to Data Science	5	75	25	100
38	III	Core X: Introduction to Cloud Computing	4	75	25	100
39	III	Practical VII: CASE Tools and Testing tools Lab	3	60	40	100
40	III	Elective II	5	75	25	100
41	III	Practical VIII : Mini Project	5	60	40	100
42	V	Extension Activities	1			
Total Credits			27			
Total credits (Core, Elective, SBS)			143			
Non Major Elective I - I Semester						
Web Application Office Automation HTML						
Non Major Elective II – II Semester						
Web Application Lab Office Automation Lab HTML Lab						
Elective I						
Artificial Intelligence and Expert System Graphics and Visualization Network Security						
Elective II						
Mobile Computing IOT and its Applications Block chain Technology						