

SHREYARTH UNIVERSITY

School of Computer Science and Applications

Integrated M.Sc. (CA & IT)

Teaching Scheme

Sr No	Subject Code	Subject Name	Category	Lecture					Evaluation Scheme				
				Lecture	Tutorial	Practical	Contact Hours	Credit	CIE(TH)	CIE(PR)	ESE(TH)	ESE(PR)	Total Marks
SEMESTER-I													
Theory													
1.	BSC11CC01	Fundamentals of Programming	Core	3	0	0	3	3	60	0	40	0	100
2.	BSC11CC02	Fundamentals of Computer Organization	Core	3	0	0	3	3	60	0	40	0	100
3.	BSC11CC03	Mathematics I	Core	3	0	0	3	3	60	0	40	0	100
4.	BSC11CC04	Internet and Web Designing	Core	3	0	0	3	3	60	0	40	0	100
5.	BSC11FC01	Communication Skills	Foundation	2	0	0	2	2	60	0	40	0	100
6.	BSC11EL01	Yoga and Fitness	Elective	2	0	0	2	2	100	0	0	0	100
Practical													
7.	BSC11CC05	Implementation of Fundamentals of Programming	Core	0	0	3	3	3	0	60	0	40	100
8.	BSC11CC06	Implementation of Internet and Web Designing	Core	0	0	3	3	3	0	60	0	40	100
9.	BSC11CC07	Open Office Applications	Core	0	0	3	3	3	0	60	0	40	100
SEMESTER-II													
Theory													
10.	BSC21CC01	Advanced Programming Language	Core	3	0	0	3	3	60	0	40	0	100
11.	BSC21CC02	Web Application Development	Core	3	0	0	3	3	60	0	40	0	100
12.	BSC21CC03	Relational Database Management Systems	Core	3	0	0	3	3	60	0	40	0	100
13.	BSC21CC04	Mathematics II	Core	3	0	0	3	3	60	0	40	0	100
14.	BSC21FC01	Graphic Designing	Foundation	0	0	2	2	2	0	60	0	40	100
15.	BSC21EL01	Environmental Studies	Elective	2	0	0	2	2	100	0	0	0	100
Practical													
16.	BSC21CC05	Implementation of Advanced Programming Language	Core	0	0	3	3	3	0	60	0	40	100
17.	BSC21CC06	Implementation of Web Application Development	Core	0	0	3	3	3	0	60	0	40	100
18.	BSC21CC07	Implementation of Relational Database Management Systems	Core	0	0	3	3	3	0	60	0	40	100
SEMESTER-III													
Theory													
19.	BSC31CC01	Object Oriented Programming with C++	Core	3	0	0	3	3	60	0	40	0	100
20.	BSC31CC02	Data Structures	Core	3	0	0	3	3	60	0	40	0	100
21.	BSC31CC03	Mathematics III	Core	3	0	0	3	3	60	0	40	0	100
22.	BSC31CC04	Advanced Relational Database Management Systems	Core	3	0	0	3	3	60	0	40	0	100
23.	BSC31FC01	Website Frameworks I	Foundation	0	0	2	2	2	0	60	0	40	100
24.	BSC31EL01	Foreign Language / Disaster Management	Elective	2	0	0	2	2	100	0	0	0	100
Practical													
25.	BSC31CC05	Implementation of Object-Oriented Programming with C++	Core	0	0	3	3	3	0	60	0	40	100
26.	BSC31CC06	Implementation of Data Structures	Core	0	0	3	3	3	0	60	0	40	100
27.	BSC31CC07	Implementation of Advanced Relational Database Management Systems	Core	0	0	3	3	3	0	60	0	40	100
SEMESTER-IV													
Theory													
28.	BSC41CC01	Introduction to Operating Systems	Core	3	0	0	3	3	60	0	40	0	100
29.	BSC41CC02	Open Source Technologies	Core	3	0	0	3	3	60	0	40	0	100

30.	BSC41CC03	Unified Modelling Language	Core	3	0	0	3	3	60	0	40	0	100
31.	BSC41CC04	Introduction to Core Java	Core	3	0	0	3	3	60	0	40	0	100
32.	BSC41CC05	Statistics	Core	3	0	0	3	3	60	0	40	0	100
33.	BSC41FC01	Principles of Management	Foundation	2	0	0	2	2	60	0	40	0	100
34.	BSC41EL01	Political Science	Elective	2	0	0	2	2	100	0	0	0	100
		Practical											
35.	BSC41CC06	Implementation of Open Source Technologies	Core	0	0	3	3	3	0	60	0	40	100
36.	BSC41CC07	Implementation of Introduction to Core Java	Core	0	0	3	3	3	0	60	0	40	100
SEMESTER-V													
Theory													
37.	BSC51CC01	Advanced Java	Core	3	0	0	3	3	60	0	40	0	100
38.	BSC51CC02	Software Engineering	Core	3	0	0	3	3	60	0	40	0	100
39.	BSC51CC03	PHP with MySQL	Core	3	0	0	3	3	60	0	40	0	100
40.	BSC51CC04	Data Communication and Networking	Core	3	0	0	3	3	60	0	40	0	100
41.	BSC51FC01	Quality Assurance	Foundation	2	0	0	2	2	60	0	40	0	100
42.	BSC51EL01	Operations Research	Core	2	0	0	2	2	100	0	0	0	100
		Practical											
43.	BSC51CC05	Implementation of Data Communication and Networking	Core	0	0	3	3	3	0	60	0	40	100
44.	BSC51CC06	Implementation of Advanced Java	Core	0	0	3	3	3	0	60	0	40	100
45.	BSC51CC07	Implementation of PHP with MySQL	Core	0	0	3	3	3	0	60	0	40	100
SEMESTER-VI													
Theory													
46.	BSC61CC01	Introduction to Python	Core	3	0	0	3	3	60	0	40	0	100
47.	BSC61CC02	Mobile Application Development	Core	3	0	0	3	3	60	0	40	0	100
48.	BSC61CC03	Computer Graphics	Core	3	0	0	3	3	60	0	40	0	100
		Practical											
49.	BSC61CC04	Implementation of Introduction to Python	Core	0	0	3	3	3	0	60	0	40	100
50.	BSC61CC05	Implementation of Mobile Application Development	Core	0	0	3	3	3	0	60	0	40	100
51.	BSC61CC06	Implementation of Computer Graphics	Core	0	0	3	3	3	0	60	0	40	100
52.	BSC61CC07	System Development Project/Dissertation	Project	0	0	7	7	7	0	60	0	40	100
SEMESTER-VII													
Theory													
53.	IMS71CC01	Artificial Intelligence	Core	3	0	0	3	3	60	0	40	0	100
54.	IMS71CC02	Advanced Networking	Core	3	0	0	3	3	60	0	40	0	100
55.	IMS71CC03	Information Security	Core	3	0	0	3	3	60	0	40	0	100
56.	IMS71CC04	Machine Learning with Python	Core	4	0	0	3	3	60	0	40	0	100
57.	IMS71EL01	App Development Using Android/iOS/Angular	Elective	3	0	1	4	4	60	0	40	0	100
		Practical											
58.	IMS71CC05	Implementation of Artificial Intelligence	Core	0	0	3	3	3	0	60	0	40	100
59.	IMS71CC06	Implementation of Advanced Networking	Core	0	0	3	3	3	0	60	0	40	100
60.	IMS71CC07	Implementation of Machine Learning with Python	Core	0	0	3	3	3	0	60	0	40	100
SEMESTER-VIII													
Theory													
61.	IMS81CC01	Data Warehousing and Data Mining	Core	3	0	0	3	3	60	0	40	0	100
62.	IMS81CC02	Design and Analysis of Algorithms	Core	3	0	0	3	3	60	0	40	0	100
63.	IMS81CC03	Data Science	Core	3	0	0	3	3	60	0	40	0	100
64.	IMS81CC04	Distributed Operating Systems	Core	3	0	0	3	3	60	0	40	0	100
65.	IMS81CC05	Data Compression	Core	4	0	0	3	3	60	0	40	0	100
66.	IMS81EL01	App development using IOT	Elective	3	0	1	4	4	60	0	40	0	100
		Practical											
67.	IMS81CC06	Implementation of Data Warehousing and Data Mining	Core	0	0	3	3	3	0	60	0	40	100

