

**Department of Computer Science
FYUP Course Structure**

remarks

S. No.	Course Code	Title of the Course	Faculty Code	End Sem Marks	Sessional Marks	Credits	Part/ Semester	Course Category	Department	Session/ Year of Introduction	
1	2	3	4	5	6	7	8	9	10	11	
1	CABSMJ1001	Problem Solving using C	S	70	30	4	I	MJC	C.S	2022-23	
2	CABSMJ1P01	LAB-I (CABSMJ1001)	S	40	60	2	I	MJC	C.S	2022-23	
3	CABSMJ1002	Introduction to CS and IT	S	70	30	2	I	MJC	C.S	2022-23	
4	CABSMN1003	Introduction to C	S	70	30	4	I	MNC	C.S	2022-23	Yet not started
5	CABSMN1P01	LAB-I (M) (CABSMJ1003)	S	40	60	2	I	MNC	C.S	2022-23	Yet not started
6	CABSGE1004	Numerical and Statistical Computing	S	70	30	4	I	GNE	C.S	2022-23	Yet not started
7	CABSMJ2001	Data Structures using C	S	70	30	4	II	MJC	C.S	2022-23	
8	CABSMJ2002	Digital System Design	S	70	30	2	II	MJC	C.S	2022-23	
9	CABSMJ2P02	LAB-II (CABSMJ2001/2002)	S	40	60	2	II	MJC	C.S	2022-23	
10	CABSMN2003	Data Structures and Algorithms	S	70	30	4	II	MNC	C.S	2022-23	Yet not started
11	CABSMN2P02	LAB-II (M) (CABSMN2003)	S	40	60	2	II	MNC	C.S	2022-23	Yet not started
12	CABSGE2004	Optimization Techniques	S	70	30	4	II	GNE	C.S	2022-23	Yet not started
13	CABSVO2005	Fundamentals of I.T.	S	70	30	2	II	VOC	C.S	2022-24	
14	CABSMJ3001	Object Oriented Programming using Java	S	70	30	4	III	MJC	C.S	2022-23	

15	CABSMJ3002	Computer Architecture	S	70	30	2	III	MJC	C.S	2022-23	
16	CABSMJ3P03	LAB-III (CABSMJ3001/3002)	S	40	60	2	III	MJC	C.S	2022-23	
17	CABSMN3003	Java Programming	S	70	30	4	III	MNC	C.S	2022-23	Yet not started
18	CABSMN3P03	LAB-III (M) (CABSMN3003)	S	40	60	2	III	MNC	C.S	2022-23	Yet not started
19	CABSGE3004	Discrete Structures	S	70	30	4	III	GNE	C.S	2022-23	Yet not started
20	CABSMJ4001	Database Management System	S	70	30	4	IV	MJC	C.S	2022-23	
21	CABSMJ4002	Discrete Mathematics	S	70	30	2	IV	MJC	C.S	2022-23	
22	CABSMJ4P04	LAB-IV (CABSMJ4001/4002)	S	40	60	2	IV	MJC	C.S	2022-23	
23	CABSMN4003	Database Concepts	S	70	30	4	IV	MNC	C.S	2022-23	Yet not started
24	CABSMN4P04	LAB-IV (M) (CABSMN4003)	S	40	60	2	IV	MNC	C.S	2022-23	Yet not started
25	CABSGE4004	Automata Theory	S	70	30	4	IV	GNE	C.S	2022-23	Yet not started
26	CABSMJ5001	Operating System and Shell Programming	S	70	30	4	V	MJC	C.S	2022-23	
27	CABSMJ5002	Object Oriented Analysis and Design	S	70	30	4	V	MJC	C.S	2022-23	
28	CABSMJ5P05	LAB-V (CABSMJ5001/5002)	S	40	60	4	V	MJC	C.S	2022-23	
29	CABSXO5003	Parallel and Cloud Computing	S	70	30	4	V	MMO	C.S	2022-23	
30	CABSXO5004	Mobile Programming Languages	S	70	30	4	V	MMO	C.S	2022-23	
31	CABSXO5005	Graph Theory	S	70	30	4	V	MMO	C.S	2022-23	

32	CABSXO5P01	LAB-I (CABSXO5003)	S	40	60	2	V	MMO	C.S	2022-23
33	CABSXO5P02	LAB-II (CABSXO5004)	S	40	60	2	V	MMO	C.S	2022-23
34	CABSXO5P03	LAB-III (CABSXO5005)	S	40	60	2	V	MMO	C.S	2022-23
35	CABSMJ6001	Software Engineering	S	70	30	4	VI	MJC	C.S	2022-23
36	CABSMJ6002	Analysis and Design of Algorithms	S	70	30	4	VI	MJC	C.S	2022-23
37	CABSMJ6P06	LAB-VI (CABSMJ6001/6002)	S	40	60	4	VI	MJC	C.S	2022-23
38	CABSXO6003	Cyber Security	S	70	30	4	VI	MMO	C.S	2022-23
39	CABSXO6004	Computer Graphics	S	70	30	4	VI	MMO	C.S	2022-23
40	CABSXO6005	Optimization Techniques	S	70	30	4	VI	MMO	C.S	2022-23
41	CABSXO6P04	LAB-IV (CABSXO6003)	S	40	60	2	VI	MMO	C.S	2022-23
42	CABSXO6P05	LAB-V (CABSXO6004)	S	40	60	2	VI	MMO	C.S	2022-23
43	CABSXO6P06	LAB-VI (CABSXO6005)	S	40	60	2	VI	MMO	C.S	2022-23
44	CABSMJ7001	Soft Computing	S	70	30	4	VII (H)	MJC	C.S	2022-23
45	CABSMJ7002	Internet and Web Technology	S	70	30	4	VII (H)	MJC	C.S	2022-23
46	CABSMJ7P07	LAB-VII (H) (CABSMJ7001/7002)	S	40	60	4	VII (H)	MJC	C.S	2022-23
47	CABSMJ7003	Artificial Intelligence	S	70	30	4	VII (H)	MMO	C.S	2022-23
48	CABSMJ7004	Distributed Computing and IoT	S	70	30	4	VII (H)	MMO	C.S	2022-23

49	CABSMJ7005	Web Application Security	S	70	30	4	VII (H)	MMO	C.S	2022-23	
50	CABSMJ7101	Research Methodology	S	70	30	2	VII (H)	VOC	C.S	2022-23	Yet not started
51	CABSMJ7S01	Seminar	S	40	60	4	VII (H)	SEM	C.S	2022-23	
52	CABSMJ8001	Computer Networks	S	70	30	4	VIII (H)	MJC	C.S	2022-23	
53	CABSMJ8002	Python Programming	S	70	30	4	VIII (H)	MJC	C.S	2022-23	
54	CABSMJ8P08	LAB-VIII (H) (CABSMJ8001/8002)	S	40	60	4	VIII (H)	MJC	C.S	2022-23	
55	CABSMJ8003	Machine Learning	S	70	30	4	VIII (H)	MMO	C.S	2022-23	
56	CABSMJ8004	Bloch chain Technology	S	70	30	4	VIII (H)	MMO	C.S	2022-23	
57	CABSMJ8005	Digital Forensics	S	70	30	4	VIII (H)	MMO	C.S	2022-23	
58	CABSMJ8D01	Dissertation	S	40	60	6	VIII (H)	DIS.	C.S	2022-23	
59	CABSMJ7001	Soft Computing	S	70	30	4	VII (R)	MJC	C.S	2022-23	
60	CABSMJ7002	Internet and Web Technology	S	70	30	4	VII (R)	MJC	C.S	2022-23	
61	CABSMJ7P09	LAB-IX (R) (CABSMJ7001/7002)	S	40	60	2	VII (R)	MJC	C.S	2022-23	
62	CABSMJ7003	Artificial Intelligence	S	70	30	4	VII (R)	MMO	C.S	2022-23	
63	CABSMJ7004	Distributed Computing and IoT	S	70	30	4	VII (R)	MMO	C.S	2022-23	
64	CABSMJ7005	Web Application Security	S	70	30	4	VII (R)	MMO	C.S	2022-23	
65	CABSMJ7102	Research Methodology	S	70	30	4	VII (R)	VOC	C.S	2022-23	Yet not started

66	CABSMJ7D01	Dissertation-I	S	40	60	4	VII (R)	DIS.	C.S	2022-23
67	CABSMJ8001	Computer Networks	S	70	30	4	VIII (R)	MJC	C.S	2022-23
68	CABSMJ8002	Python Programming	S	70	30	4	VIII (R)	MJC	C.S	2022-23
69	CABSMJ8P10	LAB-X (R) (CABSMJ8001/8002)	S	40	60	2	VIII (R)	MJC	C.S	2022-23
70	CABSMJ8003	Machine Learning	S	70	30	4	VIII (R)	MMO	C.S	2022-23
71	CABSMJ8004	Bloch chain Technology	S	70	30	4	VIII (R)	MMO	C.S	2022-23
72	CABSMJ8005	Digital Forensics	S	70	30	4	VIII (R)	MMO	C.S	2022-23
73	CABSMJ8D02	Dissertation-II	S	40	60	8	VIII (R)	DIS.	C.S	2022-23

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***NOTE: Minor & Generic Elective Courses in Computer Science are not being offered in the session 2022-23**