FACULTY OF COMPUTER APPLICATIONS
Department of Computer Science & IT
Teaching Scheme Session 2023 - 2024

Program Name: Bachelor of Computer Application
Course: B.C.A. (Full Stack Development)
YEAR/SEMESTER: I/I

S. No.	Subject Code	Subject Title	Credit
		Theory Papers	
1	CA102101	Fundamentals of Computer	3
2	CA102102	Computer Architecture	3
3	CA102103	C Programming	3
4	CA102104	Mathematics	3
5	CA102105	Web Development	3
6	CA102106	Effective Communication Skills-I	3
		Practical Papers	
1	CA102121	Office Tools Lab	2
2	CA102122	C Programming Lab	2
3	CA102123	Web Development Lab	2
4	SODECA	Social Outreach, Discipline & Extra Curricular Activities	1

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S. No.	Subject Code	Subject Title	Credit
		Theory Papers	
1	CA102201	Data Structures Algorithm	3
2	CA102202	OOPS Using Java	3
3	CA102203	Database Management System	3
4	CA102204	Digital Marketing	3
5	CA102205	Probability & Statistics	3
6	CA102206	Effective Communication Skills-II	3
		Practical Papers	
1	CA102221	Data Structure Lab	2
2	CA102222	OOPS with Java Lab	2
3	CA102223	DBMS Lab	2
4	SODECA	Social Outreach, Discipline & Extra Curricular Activities	1

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S. No.	Subject Code	Subject Title	Credit
		Theory Papers	
1	CA102301	Operating System	3
2	CA102302	Full Stack-I (MongoDB & Type Script)	3
3	CA102303	Full Stack-II (NODE JS)	3
4	CA102304	Python Programming	3
5	CA102305	Computer Network	3
6	HA101351	Professional English-I	2
		Practical Papers	
1	CA102321	Full Stack Lab - I	2
2	CA102322	Computer Network Lab	2
3	CA102323	Python Lab	2
4	SODECA	Social Outreach, Discipline & Extra Curricular Activities	1

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S. No.	Subject Code	Subject Title	Credit
		Theory Papers	
1	CA102401	Full Stack-III (Angular JS)	3
2	CA102402	Full Stack-IV (Express & API)	3
3	CA102403	Cloud Computing	3
4	CA102404.1	Cyber Security (Ethical Hacking)	3
	CA102404.2	Android Application Development-I	
5	CA102405	Competitive Coding	3
6	HA101451	Professional English- II	2
		Practical Papers	
1	CA102421	FS-III Lab	2
2	CA102422	FS-IV Lab	2
3	CA102423.1	Cyber-I Lab	2
	CA102423.2	Android-I Lab	
4	SODECA	Social Outreach, Discipline & Extra Curricular Activities	1

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YEAR/SEMESTER: III/ V

S. No.	Subject Code	Subject Title	Credit
		Theory Papers	
1	CA102501	Block Chain Technology	3
2	CA102502	Full Stack-V (Mean Stack Framework)	3
3	CA102503	Software Project Management	3
4	CA102504.1	Cyber Forensic Investigation-II	3
	CA102504.2	Android Application Development-II	
5	HA101551	Professional English- II	2
		Practical Papers	
1	CA102521	Full Stack Lab - V	2
2	CA102523.1	Cyber-II Lab	2
	CA102523.2	Android-II Lab	
3	CA1025PR	Minor Project	2
4	SODECA	Social Outreach, Discipline & Extra Curricular Activities	1

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YEAR/SEMESTER: III/VI

S. No.	Subject Code	Subject Title	Credit
		Practical Papers	
1	CA1026PR	Major Project	8
2	SODECA	Social Outreach, Discipline & Extra Curricular Activities	1