



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

Program Name: Bachelor of Computer Application

Course: B.C.A. (Cyber Security)

YEAR/SEMESTER: I/I

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



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YEAR/SEMESTER: I/II

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



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YEAR/SEMESTER: II/III

S. No.	Subject Code	Subject Title	Credit
		Theory Papers	
1		Operating System	3
2		Computer Network	3
3		Software Engineering	3
4		Beginner Level - CAP (Cyber Security)	4
5		Employability Skills Programme-I	2
5		We CODE-I (Python Programming)	2
6	HA101351	Professional English-I	2
Practical Papers			
1		Operating System Lab	2
2		Computer Network Lab	1
3		Beginner Level - CAP (Cyber Security) Lab	2
4		We CODE-I (Python Programming) Lab	1
5	SODECA	Social Outreach, Discipline & Extra Curricular Activities	1



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S. No.	Subject Code	Subject Title	Credit
		Theory Papers	
1		Linux Administration	3
2		Secure Network Architecture and Design	3
3		Security Standards and Frameworks	2
4		Intermediate Level -CTP (Cybersecurity)	4
5		Employability Skills Programme-II	3
6		We CODE-II	2
7	HA101451	Professional English- II	2
Practical Papers			
1		Linux Administration Lab	2
2		Secure Network Architecture and Design Lab	2
3		Intermediate Level -CTP (Cybersecurity) Lab	1
4		We CODE-II	1
5	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		Ethical Hacking	3
2		IT Acts and Cyber Laws	4
3		Advanced Level -CAP (Cybersecurity)	3
4		Software Project Management	2
5		Employability Enablement Programme	2
6	HA101551	Professional English- II	2
Practical Papers			
1		Ethical Hacking Lab	2
2		Advanced Level -CAP (Cybersecurity) Lab	1
3		Minor Project	3
4	SODECA	Social Outreach, Discipline & Extra Curricular Activities	1



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YEAR/SEMESTER: III/VI

S. No.	Subject Code	Subject Title	Credit
		Theory Papers	
1		Digital Forensics and Investigation	0
2		Major Project	8
		Practical Papers	
1		Digital Forensics and Investigation Lab	0
2	SODECA	Social Outreach, Discipline & Extra Curricular Activities	1