



BBS College of Engineering & Technology
Phaphamau, Prayagraj

Department of Computer Science & Engineering

LECTURE PLAN

FACULTY NAME	OMJI AWASTHI
COURSE	BACHELOR OF COMPUTER APPLICATION(BCA)
SESSION	2024-2025
YEAR	FIRST YEAR
BRANCH	BCA
SECTION	A AND B BOTH
SEMESTER	SECOND
SUBJECT NAME	CYBER SECURITY
SUBJECT CODE	B230205T
TOTAL NUMBER OF STUDENTS	85
NUMBER OF LECTURE PROPOSED	42

S.No	Unit No	Topic	CO	No of Lectures Required	Actual Date of Completion	Suggested Reference
	1	Ethics, Ethics in the Business World;		2		
		Corporate Social Responsibility; Fostering Corporate Social Responsibility and Good Business Ethics;		3		
		Improving Business Ethics; Ethical Considerations in Decision Making;		2		
		Ethics in Information Technology;		1		
		Managing IT Worker Relationship;		1		
		Encouraging Professionalism of IT Workers — Professional Codes of Ethics,		2		
		Professional Organizations, Certifications and Licensing; Encouraging Ethical Use of IT Resources among Users.		3		
No of Lectures Required to complete Unit 1				14		
	2	Threat Landscape — Computer Incidents		1		
		Types of Exploits; CIA Security Triad;		1		
		Confidentiality, Integrity, Availability, Implementing CIA at Organizational		2		
		Network, Application, and End-User Level;		2		
		Response to Cyber Attack – Incident Notification Protection of Evidence and Activity Logs Incident Containment Eradication Incident Follow-Up Using an MSSP, and Computer Forensics;		4		
		Cyber Law; Provision of Cyber Law and Electronic Transaction Act of India		3		
No of Lectures Required to complete Unit 2				13		



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	3	Privacy Protection and the Law – Information Privacy	1		
		Privacy Laws, Applications, and Court Rulings;	1		
		Key Privacy and Anonymity Issues	1		
		Consumer Profiling	1		
		Electronic Discovery	1		
		Workplace Monitoring, Surveillance;	1		
		First Amendment Rights; Freedom Expressions: Key Issues; Social Networking Ethical Issues.	2		
No of Lectures Required to complete Unit 3			7		
	4	Intellectual Property	1		
		Copyright; Patent;	1		
		Trade Secrets;	1		
		Intellectual Property Issues: Plagiarism, Reverse Engineering,.	2		
		Open Source Code, Competitive Intelligence, Trademark Infringement, and Cybersquatting	3		
No of Lectures Required to complete Unit 4			8		

TEXT BOOKS & REFERENCES

1	Jitendra Jain – Introduction of Cyber security.
2	Cyber Security Practitioner by IBM Corporation

COURSE OUTCOMES (COS)

At the end of this course students will demonstrate the ability to:		
CO 1	Explain fundamental ethical principles, corporate social responsibility, and best practices for fostering ethical behavior in IT and business environments.	
CO 2	Identify various cyber threats, understand cyber security measures, and analyze cyber laws, including the Electronic Transaction Act of India.	
CO 3	Evaluate privacy laws, key privacy concerns (such as consumer profiling and workplace monitoring), and ethical dilemmas related to freedom of expression in digital spaces.	
CO 4	Analyze intellectual property rights, including copyrights, patents, trade secrets, and legal/ethical concerns such as plagiarism, reverse engineering, and trademark infringement.	

NAME OF FACULTY WITH SIGNATURE: OMJI AWASTHI

HEAD OF DEPARTMENT

DEAN ACADEMICS