				Sem	ester Lecture Plan			
			Name of the	college: Government Coll	ege of Arts, Science and C	ommerce, Sanqu	elim - Goa	
Name of	Faculty: Sh	ubham Naik			Subject: Com	Division:	Division:	
Paper co	de: VAC-11	) Awareness	of Cyber Crime	s and Security	Program/Cou	ırse: F.Y.B.Sc.	Total Lectures: 30	
Academi	c year: 202	<b>1- 2025</b>			Semester: I			
Course O	bjectives:				<u>.</u>	<u>.</u>	·	
This cour	se is intend	ed to:						
Introduce	e to student	s the awaren	ess of cybercrin	nes and cyber security – c	oncepts, theory.			

Course Outcomes

Students will,

Aware of the various cybercrimes and will able to guide others.

Explains mitigation techniques and policies for cyber security.

Understand the global problems faced by individuals, organisations due to cybercrimes and attacks.

Apply the cyber security analysis to mitigate and prevent such attacks.

## Student learning outcomes

To understant the basics of Cyber Crime against Individuals

To understant the basics of Cyber Crime against Organisations

To understant the basics of global perspective on Cyber crimes

To understant the basics of global perspective on Cyber Security

		No. of					
		lectures		Experiment/Assign			
Month	Lectures	allotted	Topic, Subtopic to be covered	ment	ICT Tools	Reference books	

	From:	То:					
July	rrom:	10:		Unit 1: Cyber Crime against Individuals and Organisations Cyber Crime- Overview, Internal and		Microsoft PowerPoint	1. Jain Atul; "Cyber Crime: Issues, Threats and Management", 2004 2. Yar Majid; "Cybercrime and Society", Sage Publications, 2006 3. Matt Bishop, "Computer Security Art and Science",
	14/07/24	20/07/24	2	External Attacks, Attack Vectors.	Assignment	Presentation	Pearson/PHI,
	22/07/24	27/07/24	2	Cybercrimes against Individuals – E-mail spoofing and online frauds, Phishing and its forms, Spamming,	Assignment	Microsoft PowerPoint Presentation	1. Jain Atul; "Cyber Crime: Issues, Threats and Management", 2004 2. Yar Majid; "Cybercrime and Society", Sage Publications, 2006 3. Matt Bishop, "Computer Security Art and Science", Pearson/PHI,
	29/07/24	03/08/24	2	Cyber-defamation, Cyberstalking, Cyber Bullying and harassment,	Assignment	Microsoft PowerPoint Presentation	1. Jain Atul; "Cyber Crime: Issues, Threats and Management", 2004 2. Yar Majid; "Cybercrime and Society", Sage Publications, 2006 3. Matt Bishop, "Computer Security Art

							and Science",	
							Pearson/PHI,	
							1. Jain Atul; "Cyber	
							Crime: Issues, Threats	
							and Management", 2004	
							2. Yar Majid;	
							"Cybercrime and	
Aug							Society", Sage	
							Publications, 2006	
				Committee Cohotage Barragraphia			-	
				Computer Sabotage, Pornographic			3. Matt Bishop,	
				offenses, Password Sniffing.Keyloggers		Microsoft	"Computer Security Art	
			_	and Screen loggers. Cyber Crimes		PowerPoint	and Science",	
	05/08/24	10/08/24	2	against Women andChildren.	Assignment	Presentation	Pearson/PHI,	
							1. Jain Atul; "Cyber	
							Crime: Issues, Threats	
							and Management", 2004	
							_	
							2. Yar Majid;	
							"Cybercrime and	
							Society", Sage	
				Cybercrime against organization –			Publications, 2006	
				Unauthorized access of computer,			3. Matt Bishop,	
				Password Sniffing, Denial-of-service		Microsoft	"Computer Security Art	
				(DOS) attack,		PowerPoint	and Science",	
	12/08/02	17/08/24	2		Assignment	Presentation	Pearson/PHI,	

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19/08/24	24/08/24		Backdoors and Malwares and its types, E-mail Bombing, Salami Attack, Software Piracy,		Microsoft PowerPoint Presentation	1. Jain Atul; "Cyber Crime: Issues, Threats and Management", 2004 2. Yar Majid; "Cybercrime and Society", Sage Publications, 2006 3. Matt Bishop, "Computer Security Art and Science", Pearson/PHI,	
19/00/24	24/06/24	2		Assignment	riesentation	rearson/rin,	
					Microsoft	1. Jain Atul; "Cyber Crime: Issues, Threats and Management", 2004 2. Yar Majid; "Cybercrime and Society", Sage Publications, 2006 3. Matt Bishop, "Computer Security Art	
26/09/24	21/00/24	2	Industrial Espionage, Intruder attacks.		Procentation	and Science",	
26/08/24	31/08/24	2	Security policies violations,	Assignment	Presentation	Pearson/PHI,	1

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Sept	02/09/24	07/09/24	2	Crimes related to Social Media, ATM, Online and Banking Frauds. Intellectual Property Frauds. Cyber Crimes against Women and Children.	Assignment	Microsoft PowerPoint Presentation	1. Jain Atul; "Cyber Crime: Issues, Threats and Management", 2004 2. Yar Majid; "Cybercrime and Society", Sage Publications, 2006 3. Matt Bishop, "Computer Security Art and Science", Pearson/PHI,	
	02,03,2	07/03/21			7.00.ge.r.c	T T C S C T T C C T C T C T C T C T C T		
							1. Jain Atul; "Cyber	
							Crime: Issues, Threats	,
							and Management", 2004	
							2. Yar Majid;	
							"Cybercrime and Society", Sage	
				Unit 2: Global perspective on Cyber			Publications, 2006	
				crimes and Cyber Security			3. Matt Bishop,	
				A global perspective on cybercrimes,		Microsoft	"Computer Security Art	
				Phases of cyber-attack –		PowerPoint	and Science",	
	09/09/24	14/09/24	2	Reconnaissance, Passive Attacks,	Assignment	Presentation	Pearson/PHI,	

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19/09/24	21/09/24	2	Active Attacks, Scanning, Gaining Access, Maintaining Access, Lateral movement and Covering Tracks. Detection Avoidance, Types of Attack vectors,	Assignment	Microsoft PowerPoint Presentation	1. Jain Atul; "Cyber Crime: Issues, Threats and Management", 2004 2. Yar Majid; "Cybercrime and Society", Sage Publications, 2006 3. Matt Bishop, "Computer Security Art and Science", Pearson/PHI,	
19/09/24	21/09/24	2	Avoidance, Types of Attack vectors,	Assignment	Presentation	Pearson/PHI,	
			Zero-day attack, Overview of Network based attacks. Introduction to Cyber		Microsoft	1. Jain Atul; "Cyber Crime: Issues, Threats and Management", 2004 2. Yar Majid; "Cybercrime and Society", Sage Publications, 2006 3. Matt Bishop, "Computer Security Art	
22/00/24	20/00/24	2	Security. Confidentiality, Integrity and	A i	PowerPoint	and Science",	
23/09/24	28/09/24	2	Availability	Assignment	Presentation	Pearson/PHI,	

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	30/09/24	05/10/24	2	Triad. Attacks: Threats, Vulnerabilities and Risk. Risk Management, Risk Assessment and Analysis.	Assignment	Microsoft PowerPoint Presentation	1. Jain Atul; "Cyber Crime: Issues, Threats and Management", 2004 2. Yar Majid; "Cybercrime and Society", Sage Publications, 2006 3. Matt Bishop, "Computer Security Art and Science", Pearson/PHI,	
	33,03,2	00,10,2	_		roongriment	. resemute.	1. Jain Atul; "Cyber Crime: Issues, Threats and Management", 2004 2. Yar Majid;	
Oct				Information Classification, Policies,			"Cybercrime and Society", Sage Publications, 2006 3. Matt Bishop,	
				Standards, Procedure and Guidelines. Controls: Physical, Logical and		Microsoft PowerPoint	"Computer Security Art and Science",	
	07/10/24	12/10/24	2	Administrative;	Assignment	Presentation	Pearson/PHI,	

	14/10/24	19/10/24	2	Security Frameworks, Defence in-depth: Layers of security. Identification and Authentication – Factors. Authorization and Access Controls- Models,	Assignment	Microsoft PowerPoint Presentation	1. Jain Atul; "Cyber Crime: Issues, Threats and Management", 2004 2. Yar Majid; "Cybercrime and Society", Sage Publications, 2006 3. Matt Bishop, "Computer Security Art and Science", Pearson/PHI,	
		26/10/24		Methods and Types of Access Control.	Assignment	Microsoft PowerPoint Presentation	1. Jain Atul; "Cyber Crime: Issues, Threats and Management", 2004 2. Yar Majid; "Cybercrime and Society", Sage Publications, 2006 3. Matt Bishop, "Computer Security Art and Science", Pearson/PHI,	
Assessmen t Rubrics		Max Marks						
	ISA 1	5						
	ISA 2	5						
	ISA 3	5						
	Practical	NA						
	Project	NA						

CEE	40			
ISEE	4()			
922	.0			