

		Lecture Plan				
Name of the college: Government College of Arts, Science & Commerce, Sanquelim, Goa						
Name of Faculty: Ruchi Fulari		Subject: Computer Science				
Paper code: CSC-133 Cyber Security Essentials		Program: F.Y.BA			Division:	
Academic year: 2024-25		Semester: II			Total Lectures: 45	
Course Objectives: To introduce principles of cyber security and have an understanding on the cyber-crimes taking place.						
To have an understanding of the existing legal framework and laws on cyber security.						
To enable students to adopt safe practices when using social media platforms and digital payment systems.						
Expected Course Outcome: : To introduce principles of cyber security and have an understanding on the cyber-crimes taking place.						
Student Learning Outcome: To enable students to adopt safe practices when using social media platforms and digital payment systems.						
Understand the nature of cybercrimes, legal remedies and as to how to report the crimes through available platforms and procedures.						
Month	Lecture From To	No. of lectures allotted	Topic, Subtopic to be covered	Exercise/ Assignment	ICT Tools	Reference books
Dec 2024	09/12/2024 till 14/12/2024	03	UNIT 1: Introduction to Cyber security : Defining Cyberspace and Overview of Computer and Web-technology, Architecture of cyberspace, Communication and web technology, Internet	Assignment	LCD Projector PowerPoint Presentation	Cyber Crime Impact in the New Millennium, by R. C Mishra, Author Press. Edition 2010.
Dec 2024	16/12/2024 till 21/12/2024	03	World Wide Web, Advent of internet, Internet infrastructure for data transfer and governance, Internet society, Regulation of cyberspace, Concept of cyber security, Issues and challenges of cyber security.	Assignment	LCD Projector PowerPoint Presentation	Cyber Crime Impact in the New Millennium, by R. C Mishra, Author Press. Edition 2010.

Jan 2025	06/1/2025 till 11/1/2025	03	Classification of cyber-crimes, Common cyber-crimes, cyber-crime targeting computers and mobiles, cyber-crime against women and children, financial frauds, social engineering attacks, malware and ransomware attacks, zero day and zero click attacks.	Assignment	LCD Projector PowerPoint Presentation	Cyber Crime Impact in the New Millennium, by R. C Mishra, Author Press. Edition 2010.
Jan 2025	13/01/2025 till 18/01/2025	03	Cybercriminals modus-operandi, reporting of cyber-crimes, Remedial and mitigation measures, Legal perspective of cyber-crime, IT Act 2000 and its amendments, Cyber-crime and offences.	Assignment	LCD Projector PowerPoint Presentation	Cyber Crime Impact in the New Millennium, by R. C Mishra, Author Press. Edition 2010.
Jan 2025	20/01/2025 till 25/01/2025	03	Organizations dealing with Cyber-crime and Cyber security in India, Case studies. UNIT 2: Social Media Overview and Security : Introduction to Social networks. Types of Social media, Social media platforms.	Assignment	LCD Projector PowerPoint Presentation	Cyber Crime Impact in the New Millennium, by R. C Mishra, Author Press. Edition 2010.
Jan 2025	27/01/2025 till 31/01/2025	03	Social media monitoring, Hashtag, Viral content ,Social media marketing, Social media privacy, Challenges, Opportunities and pitfalls in online social network,	Assignment	LCD Projector PowerPoint Presentation	Cyber Crime Impact in the New Millennium, by R. C Mishra, Author Press. Edition 2010.
Feb 2025	03/02/2025 till 08/02/2025	03	Security issues related to social media, Flagging and reporting of inappropriate content,	Assignment	LCD Projector PowerPoint Presentation	Cyber Crime Impact in the New Millennium, by R. C Mishra, Author Press. Edition 2010.
Feb 2025	10/02/2025 till 15/02/2025	03	Laws regarding posting of inappropriate content, Best practices for the use of Social media, Case studies.	Assignment	LCD Projector PowerPoint Presentation	Cyber Crime Impact in the New Millennium, by R. C Mishra, Author Press. Edition 2010.
Feb 2025	17/02/2025 till 22/02/2025	03	UNIT 3: E-Commerce and Digital Payments : Definition of E- Commerce, Main components of E-Commerce, Elements of E-Commerce security, E-Commerce threats, E-Commerce security best practices, Introduction to digital payments.	Assignment	LCD Projector PowerPoint Presentation	Cyber Crime Impact in the New Millennium, by R. C Mishra, Author Press. Edition 2010.
Feb 2025	24/02/2025 till 28/02/2025	02	Components of digital payment and stakeholders, Modes of digital payments- Banking Cards,	Assignment	LCD Projector PowerPoint Presentation	Cyber Crime Impact in the New Millennium, by R. C Mishra, Author Press. Edition 2010.
March 2025	03/03/2025 till 08/03/2025	03	Unified Payment Interface (UPI),e-Wallets, Unstructured Supplementary Service Data (USSD), Aadhar enabled payments.	Assignment	LCD Projector PowerPoint Presentation	Cyber Crime Impact in the New Millennium, by R. C Mishra, Author Press. Edition 2010.

March 2025	10/03/2025 till 15/03/2025	03	Digital payments related common frauds and preventive measures.	Assignment	LCD Projector PowerPoint Presentation	Cyber Crime Impact in the New Millennium, by R. C Mishra, Author Press. Edition 2010.
March 2025	17/03/2025 till 22/03/2025	03	RBI guidelines on digital payments and customer protection in unauthorized banking transactions. Relevant provisions of Payment Settlement Act,2007.	Assignment	LCD Projector PowerPoint Presentation	Cyber Crime Impact in the New Millennium, by R. C Mishra, Author Press. Edition 2010.
March 2025	24/03/2025 till 29/03/2025	03	UNIT 4: Digital Devices Security, Tools and Technologies for Cyber Security End Point device and Mobile phone security, Password policy, Security patch management.	Assignment	LCD Projector PowerPoint Presentation	Cyber Crime Impact in the New Millennium, by R. C Mishra, Author Press. Edition 2010.
March-April 2025	31/03/2025 till 05/04/2025	02	Data backup, Downloading and management of third-party software. Device security policy, Cyber Security best practices, Significance of host firewall and Ant-virus.	Assignment	LCD Projector PowerPoint Presentation	Cyber Crime Impact in the New Millennium, by R. C Mishra, Author Press. Edition 2010.
April 2025	07/04/2025 till 11/04/2025	03	Management of host firewall and Anti-virus, Wi-Fi security, Configuration of basic security policy and permissions.	Assignment	LCD Projector PowerPoint Presentation	Cyber Crime Impact in the New Millennium, by R. C Mishra, Author Press. Edition 2010.

*** Assessment Rubrics**

Component	Max Marks
ISA 1	7.5
ISA 2	7.5
Practical	00
Project	
Semester End Exam	60