

21CYS03	CYBER LAW AND ETHICS	L	T	P	C
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<p><u>Course Objectives</u></p> <ul style="list-style-type: none"> • To make the students understand the types of roles they are expected to play in the society as practitioners of the civil engineering profession • To develop some ideas of the legal and practical aspects of their profession. 					
UNIT I	INTRODUCTION TO COMPUTER SECURITY	9 Hours			
Introduction to Computer Security: Definition, Threats to security, Government requirements, Information Protection and Access Controls, Computer security efforts, Standards, Computer Security mandates and legislation, Privacy considerations, International security activity.					
UNIT II	SECURE SYSTEM	9 Hours			
Secure System Planning and administration, Introduction to the orange book, Security policy requirements, accountability, assurance and documentation requirements, Network Security, The Red book and Government network evaluations.					
UNIT III	INFORMATION SECURITY POLICIES	9 Hours			
Information security policies and procedures: Corporate policies- Tier 1, Tier 2 and Tier3 policies - process management-planning and preparation-developing policies-asset classification policy developing standards.					
UNIT IV	INFORMATION SECURITY FUNDAMENTALS AND TOOLS	9 Hours			
Information security: fundamentals-Employee responsibilities- information classification Information handling- Tools of information security- Information processing-secure program administration.					
UNIT V	ORGANIZATIONAL AND HUMAN SECURITY	9 Hours			
Organizational and Human Security: Adoption of Information Security Management Standards, Human Factors in Security- Role of information security professionals.					
UNIT VI	CASE STUDIES				
Case studies on application of cyber law and ethics.					
TOTAL PERIODS: 45					
<p><u>Course Outcomes:</u></p> <p>At the end of the course, Students can able to</p> <ul style="list-style-type: none"> • Understand the importance of professional practice, Law and Ethics in their personal lives and professional careers. • Learn the rights and responsibilities as an employee, team member and aglobal citizen 					

Text books:

1. Kenneth J. Knapp, "Cyber Security and Global Information Assurance: Threat Analysis and Response Solutions", IGI Global, 2009.
2. Thomas R. Peltier, "Information Security policies and procedures: A Practitioner's Reference", 2nd Edition Prentice Hall, 2004.

Reference Books:

1. Debby Russell and Sr. G. T Gangemi, "Computer Security Basics (Paperback)", 2nd Edition, O' Reilly Media, 2006.
2. Thomas R Peltier, Justin Peltier and John blackley," Information Security Fundamentals", 2nd Edition, Prentice Hall, 1996
3. Jonathan Rosenoer, "Cyber law: the Law of the Internet", Springer-verlag, 1997 6. James Graham, "Cyber Security Essentials" Averbach Publication T & F Group.

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<u>Course Objective:</u>					
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LIST OF EXPERIMENTS					30 Periods
<u>Course Outcomes:</u>					
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