FACULTY OF EDUCATION

DEPARTMENT OF EDUCATION

UEDUVAC05 - CYBER CRIME EDUCATION

LEARNING OBJECTIVES: The Student
- acquires knowledge of the terms, concepts and relationship between education and cyber crime
- Comprehends the importance of cyber crime
- develop interest in knowing the various strategies of cyber crime like cyber law and cyber security
- develop skill in exploring the different types of cyber crime

COURSE OUTCOMES: The students should able to
- CO1.   describe the terms and concepts in the development of cyber crime education and computer network security and database security
- CO2.   use different strategies involved in cyber-crime education
- CO3.   know their cyber crime related problems
- CO4.   identify their ways and means of related cyber crime issues
- CO5.   solve their related people cyber crime issues
- CO6.

Unit I: Meaning, Nature and Scope of Education

Meaning of Education - Definition of the Term Education - Indian Concept of Education - Western Concepts of Education - Signification of Education - Nature of Education - Scope of Education - Functions of Education Process of Education.

Unit II: Cyber Law

Fundamental Definitions - Interface of Technology and Law - Jurisprudence and Jurisdiction in Cyber Space - Indian context of Jurisdiction - Enforcement Agencies - Need for It act - UNCITRAL - E.Commerce Basic Information Technology Act, 2000 - Upto Data Revised Acts - Aims and Objects - Overview of the Act - Jurisdiction -Intellectual Property Rights.

Unit III: Security in Operating System

Requirements for Operating System Security - Secure Operating Systems - the Operating System - Protection Mechanisms - Domain of Protection - user Oriented Access Control- Data Oriented Access Control.

Unit IV: Introduction to ISO's OSI Network Architecture

Internet Model - IP Design and Implementation - Internetworking and Routing Protocol - Transport Layer Service and Variants - Peer to Peer Networks - Application Layer Protocols.

Unit V: **Database and Security**

SOL - Building of Database - Manipulation of Data Goals of Database Security - Access Point Of Database Security - Database Security Levels and Menaces to Database - Database Security Method and Methodologies - Security Control: Flow Control, Influence Control and Access Control.

Practical

1. Identify a cyber crime issue and find a solution for that.
2. Make fruitful awareness programme among your friends related with cyber crime issues.
3. Collect software for cyber crime issues.
4. Prepare a note about education related with cyber crime issues.

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