Dr. BHIMRAO AMBEDKAR UNIVERSITY, AGRA

Dau Dayal Institute of Vocational Education

VALUE ADDED COURSE

Course Name: CYBER SECURITY
Duration: 30 Hrs.

Course Objectives

- To demonstrate expertise in safeguarding compromised systems, safeguarding sensitive personal information, and secure computer networks within an organization.
- To comprehend the fundamental principles of web security and ensure network security by scrutinizing and evaluating cyber attacks using cyber and computer forensics tools and software.
- To grasp the standards, guidelines, and procedures for managing cybercrime, and to oversee the execution and governance of these practices.

SYLLABUS

Module	Contents	Time (Hrs.)
Module I	Definition - Crime, Cyber Crime, Information Security, Digital Forensics - Conventional Crime vs. Cyber Crime - Uniqueness of Cyber Crime - History of Cyber Crimes	5
Module II	Forms of Cyber Crimes Hacking - types of hacking, hackers, Cracking, Dos, DDos, Cyber Bullying, Cyber Stalking, Pornography, Phishing. Intellectual Property Theft, Data Theft, Dada diddling, malwares, stegnography, salami attacks. ATM and Credit card frauds, Telecom Frauds	7
Module III	Social Media - Definition. Types. advantages and disadvantages Crimes through social media. victimization through social media - Do's and Don'ts in Social Media - Safe Surfing	6
Module IV	Understanding cyber criminal behavior, modus operandi, Criminological, Sociological and Psychological theories relating to cyber crime behavior	6
Module V	Information Security, Fraud Triangle, Components of Information Security, Desktop Security, Email Security, Web Security, Threats to information security and counter measures	6