Course Name: Digital Forensics for the Officials of Armenia
Dates: 25.11.2024 to 06.12.2024
Duration: 2 Week
Mode: Physical mode at NFSU, Gandhinagar Campus

Objectives of the course:

- This course presents an overview of the principles and practices of various digital investigation techniques related to digital forensics.
- The objective of this program is to emphasize the fundamentals and importance of digital forensics.
- Participants will learn different techniques and procedures that enable them to perform a digital forensic investigation.
- This course focuses mainly on the analysis of physical storage media and volume analysis of the storage devices.
- It covers the major phases of digital investigation such as preservation, analysis and acquisition of artifacts that reside in various digital devices.
- The objective of this program is to emphasize the importance of digital forensics and to prepare participants to conduct a digital device-based investigation in an organized and systematic way.
- This course will provide theoretical and practical knowledge, as well as current research on digital forensics and investigation.
- Upon completion of the course, participants can apply open-source forensics tools to perform digital investigation and understand the underlying theory behind these tools.

Block Syllabus:

- Emerging trends & techniques in digital crimes
- Introduction to Electronic Evidence
- Window Operating System Components (Theory and Practical)
- Core Forensic Principles
- Live Response and Triage Data-Acquisition Techniques
- Advance Acquisition Challenges
- Windows Image Mounting and Examination
- Acquisition Review with Blocker
- NTFS – File System Overview
- Documents and File Meta-Data
- Memory, Cache File and Unallocated Space Analysis
- Registry Forensics In-Depth
- New SD Forensic Examination
- Windows Event Log Analysis
- Email Forensics
- Shell Item Forensics
- Files Carving
- Booting from Image and password braking
- Additional Windows OS Artifacts
- Identification of Remote Server, Cloud Accounts, their Back-Up and Prevention
- Browsers Forensics
- Visit of NFSU & DFS etc.
- Hands-on-training