



**CERTIFIED MOBILE FORENSIC  
FUNDAMENTAL COURSE  
(GCMF)**

**BY**

**GMDSOFT & ZOOM TECHNOLOGIES**

**MODULE I: INTRODUCTION TO MOBILE FORENSICS**

- Definition of mobile forensics
- Types of mobile devices and their operating systems
- Architecture of Android and iOS operating systems
- Components of mobile devices
- Chain of custody
- Overview of forensic tools and techniques

**MODULE II: MOBILE DEVICE ACQUISITION TECHNIQUES**

- Physical acquisition
- Logical acquisition

**MODULE III: ANDROID ACQUISITION METHODS**

- Android live
- App Downgrade
- Manufacture backup acquisition
- MTP acquisition
- SD Card acquisition
- USIM acquisition

**MODULE IV: BYPASSING ANDROID LOCK SCREEN**

- Security options on android
- Methods for bypassing locked android Devices.
  - o Secure Start-up utility (Brute force)
  - o Unlock Utility

**MODULE V: IOS ACQUISITION METHODS**

- Full-File System acquisition
- Full-File System (Checkm8) acquisition
- IOS backup acquisition
- USIM acquisition

**MODULE VI: MOBILE DATA ANALYSIS TECHNIQUES**

- Retrieving user activity information from mobile devices (Active/ Deleted)
  - o Accounts
  - o Information
  - o Contacts
  - o Call history
  - o Messages
  - o Emails
  - o Notes
  - o Bluetooth log
  - o Browser history
  - o Search words
  - o Pictures
  - o Videos
  - o Audio
  - o Credentials/ Tokens
- Timeline analysis
- Link Analysis
- Keyword searches

**MODULE VII: CHALLENGES FACED IN MOBILE FORENSICS.**