



INSTITUTE OF HUMAN RESOURCES DEVELOPMENT

(Established by Govt. of Kerala)

Thiruvananthapuram, Kerala.

Short-term Certificate Course on “Fundamentals of Cyber Security & Forensics”

Course Code: 2207 [Scheme 2022]

1. Aim : To create awareness on the usage of digital Media and Familiarization of the Fundamentals of Cyber Security & Forensics
2. Duration of the course : 30 Hrs (2 weeks-3 Hrs/day)
3. Mode of Study : Blended-Online/Offline- Theory, Lab Sessions handled by Expert Faculties and Experts from industry
4. Engagement Hours : Expert Faculty- **25 Hours**
Experts from Industry: **5 Hours**
5. Eligibility for admission : 12th Pass
6. Intake : Batch of 30
7. Course Fee : Rs. 3000/- +GST Applicable.
8. Targeted Group : All 12th pass Students
(Cyber Security and Forensics aspirants)
9. Eligibility for Certificate:
 - i) Student shall have minimum 75% attendance during the course.
 - ii) Student shall pass the evaluation test.

Thiruvananthapuram

Dated: 26/09/2022

Sd/-
Director

[Course Code:2207]



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(Duration: 30 hrs.) - Theory (22 Hrs), Lab(8 Hrs)

Module – 1(Computer and Network Fundamentals) 5 Hrs

Basics of a Computer System: Physical Components- CPU, Motherboard, Processor, RAM, Hard disk.

Software- System Software and Application Software, Drivers.

Storage devices, Network and Communication devices-Mobile phones.

IP address: IPv.4 and IP v.6

Module – 2(Cyber Security) 5 Hrs

Different Types of Cyber-attacks and threats- Do's and Dont's of Online Usage, Protecting privacy online.

Module – 3(Cyber Forensics) 8 Hrs

Basic cyber forensic principles, Types of investigations, Locard's Exchange principle-Steps in collecting Digital Evidence in a forensically sound manner, Different types of Forensics, Analysis of Evidence.

Module – 4 (Ethical Hacking and Cyber laws) 4 Hrs

Ethical Hacking concepts.

Cyber Laws and Case Study.

Lab: 8 Hrs.

Familiarization of Storage Devices.

Familiarization of Command Line Tools in Windows.

Familiarization of Linux Commands.

Familiarization of Cyber Forensics Tools.

26/09/2022

**Sd/-
Director**