Short-term Certificate Course on
"Basics of Cyber Security & Forensics"

Course Code: 2206   [Scheme 2022]

1. Aim : To create awareness on the usage of digitalMedia and Familiarization of the Basics of "Cyber Security and Forensics"

2. Duration of the course : **30** Hrs + **10** Hrs.(Internship-Optional)

3. Mode of Study : Online – Theory (**22** Hrs), Lab (**8** Hrs) & Virtual Internship (Optional-**10** Hrs), 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 : **10th** Pass

6. Intake : Batch of **30**

7. Course Fee : Rs. 3000/- +GST Applicable.

8. Internship : Rs. 1000/- +GST Applicable (Optional)

9. Targeted Group : All 10th pass Students
   (Cyber Security and Forensics aspirants)

10. Eligibility for Certificate:

    i)   Student shall have minimum 75% attendance during the course.
    ii) Student shall pass the evaluation test.

Thiruvananthapuram   Sd/-
Dated: 26/09/2022   **Director**

[Course Code: 2206]

INSTITUTE OF HUMAN RESOURCES DEVELOPMENT
*(*Established by Govt. of Kerala)
Thiruvananthapuram, Kerala.

Short-term Certificate Course on
"Basics of Cyber Security & Forensics"

[Scheme 2022] (Duration:30 Hrs + 10 Hrs(Internship-Optional)

Theory(22 Hrs), Lab(8 Hrs) & Virtual Internship(Optional-10 Hrs)

Module – 1(Computer and Network Fundamentals)   **5 Hrs**
Basics of a Computer System: Physical Components.
Software- System Software and Application Software.
Storage devices, Network and Communication devices-Mobile phones.
IP Address- IPv.4 and IPv.6

Module – 2(Cyber Security)   **5 Hrs**
Cyber-attacks and threats- Do's and Dont's of Online Usage, Protecting privacy online.

Module – 3(Cyber Forensics)   **8 Hrs**
Cyber Forensics Principles, Types of investigations, Locard's Exchange principle-
Steps in collecting Digital Evidence in a forensically sound manner, Analysis of Evidence.

Module – 4(Ethical Hacking and Cyber laws)   **4 Hrs**
Ethical Hacking concepts.
Cyber Laws and Case Study.

Virtual Lab: **8 Hrs.**
Familiarization of a Computer System.

Familiarization of Commands in Windows/Linux OS.
Familiarization of Cyber Forensics Tools.

Virtual Internship (Optional)   **10 Hrs**

Sd/-
26/09/2022   **Director**