गृह मंत्रालय
MINISTRY OF
HOME AFFAIRS

राष्ट्रीय न्यायालयिक विज्ञान विश्वविद्यालय
(राष्ट्रीय महत्त्व का संस्थान, गृह मंत्रालय, भारत सरकार)
National Forensic Sciences University
(An Institution of National Importance under Ministry of Home Affairs,
Government of India)

NFSU

Essentials of Cyber Security and Cyber Warfare

Dr. Lokesh Chouhan

Associate Professor

गृह मंत्रालय
MINISTRY OF
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सत्यमेव जयते

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NFSU
विद्या अमृतं अश्नुते

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Overview of the Course

Theory

- **Windows Security**
- **Windows Security Policy**
- **Linux Security Hardening**
- **Introduction to Cyber Warfare**
- **Information Warfare and Information Operations**

Lab

- VMware for Linux or windows
- Wireshark
- report an incident on CERT-IN
- pgportal.gov.in
- Browser Security
- Windows Security Tool
- Linux Security Tools

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Overview of the Course

1. Mastering Linux Security and Hardening: Secure your Linux server and protect it from intruders, malware attacks, and other external threats by Donald A. Tevault

2. Hardening Linux 1st ed. Edition by James Turnbull

3. Microsoft Windows Security Essentials 1st Edition by Darril Gibson

4. Cyber Warfare: Techniques, Tactics and Tools for Security Practitioners Book by Jason Andres and Steve Winterfeld.

5. Cybersecurity and Cyberwar: What Everyone Needs to Know Book by Allan Friedman and P. W. Singer.
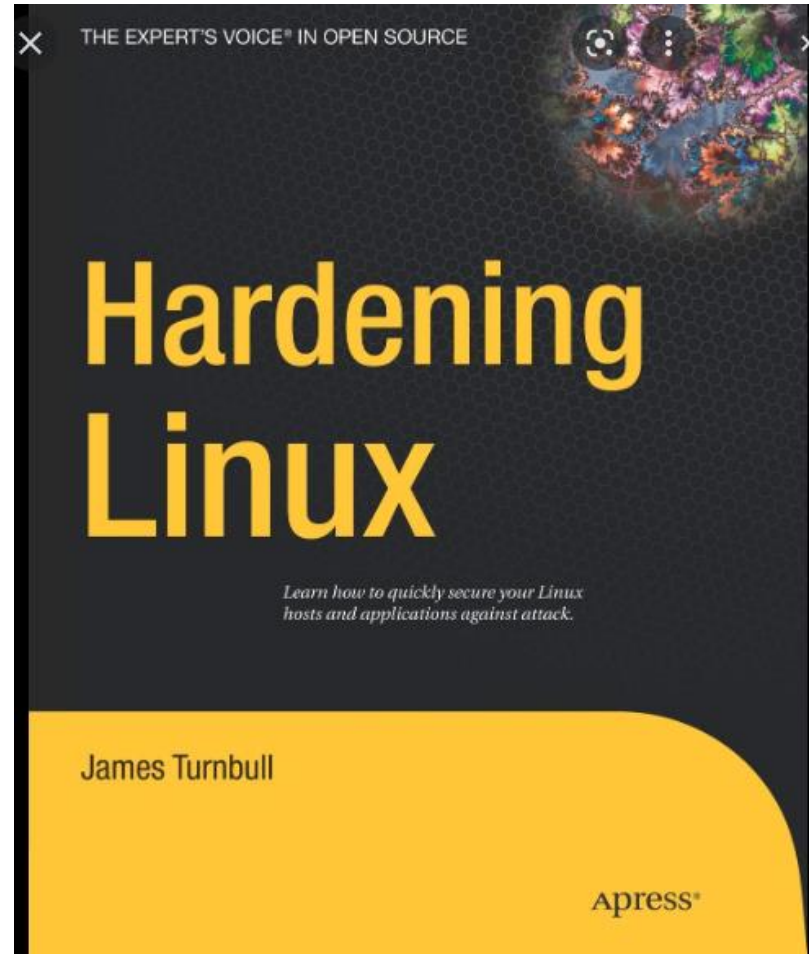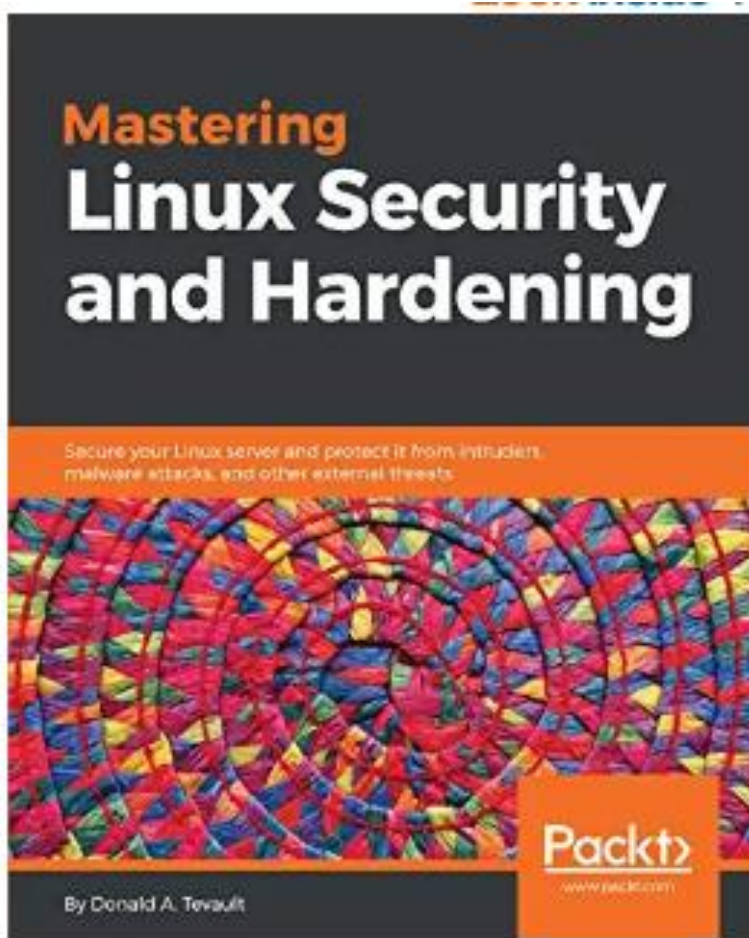
- **Marks Evaluations:**

TE-1	25 Marks
TE-2	25 Marks
Mid Sem	50 Marks
End Semester	100 Marks
Total	**200 Marks**

Books

Marks Distribution
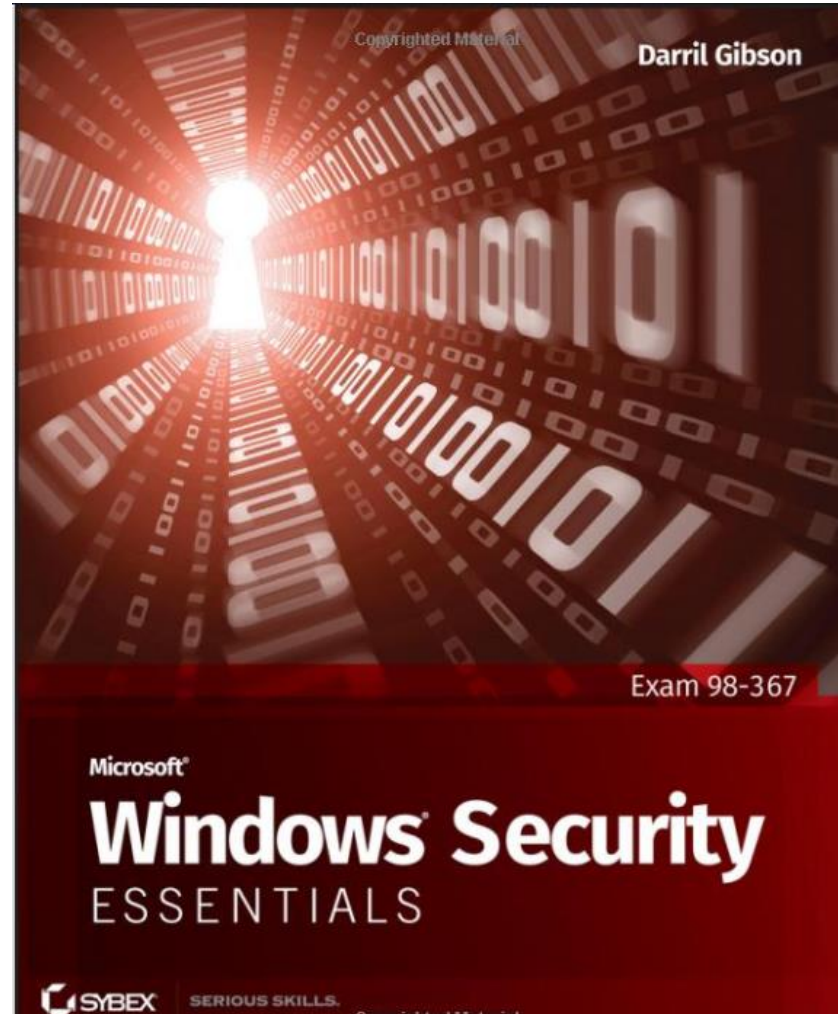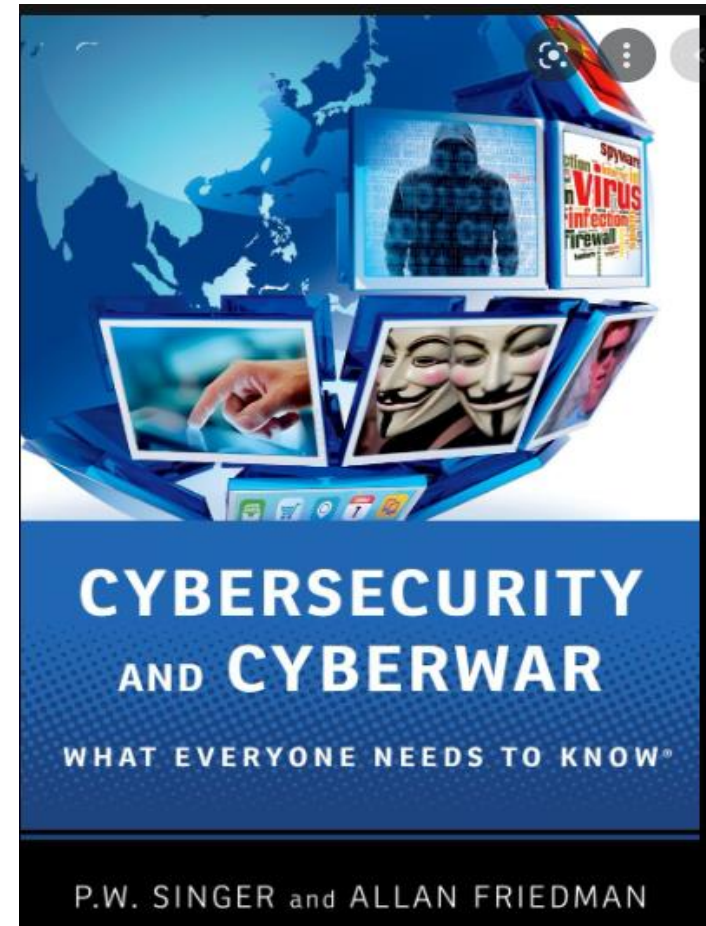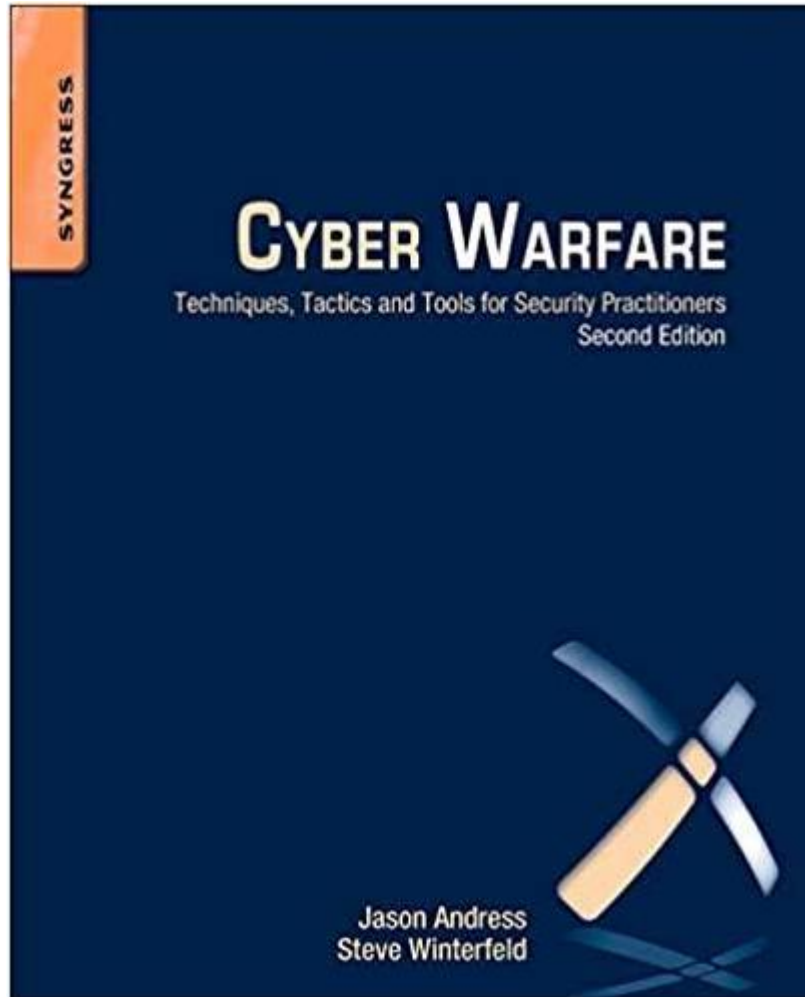
Books

Content

1. Introduction to Cyber Crimes and Forensics

2. Forensics and Digital Forensics

3. Interesting Cases

4. Social Media

5. Do and Don't !

6. Career

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