



RCETCSAC07 - IOT and Social Media Security

Course outcomes:

- Identify various IoT applications.
- Analyze various security challenges in IoT and tips to minimize them.
- Appreciate the need for IoT security.
- State the importance of Social Media Security.

Syllabus:

UNIT I

IOT concepts

Internet of Things (IoT) Security -Applications of IoT- Challenges in IoT- IoT Security Definition- Attacks on Service Oriented Architecture Layers-Tips to minimize IoT Security Vulnerabilities

UNIT II

Social Media Security

Introduction to Social Media- Crimes in Social Media- Common Social Media Security Risks- Securing Social Media- Social Media Security tips and best practices- Social Media Security Strategies-

Reference Text Books:

1. Cyber Security Understanding Cyber Crimes, Computer Forensics and Legal Perspectives by Sumit Belapure and Nina Godbole, Wiley India Pvt. Ltd.
2. Information Warfare and Security by Dorothy F. Denning, Addison Wesley.
3. Security in the Digital Age: Social Media Security Threats and Vulnerabilities by Henry A. Oliver, Create Space Independent Publishing Platform.
4. Data Privacy Principles and Practice by Natraj Venkataramanan and Ashwin Shriram, CRC Press.
5. Information Security Governance, Guidance for Information Security Managers by W. KragBrothy, 1st Edition, Wiley Publication.