SPYPRO SECURITY SOLUTIONS Pvt. Ltd.,

C Y B E R S E C U R I T Y

5-Days Workshop on CYBER SECURITY

In today's rapidly evolving digital landscape, organizations and individuals face increasing threats to their sensitive data and systems. To effectively counter these threats, it is crucial to have a solid understanding of cyber security principles, best practices, and cutting-edge techniques. The Comprehensive Cyber Security Workshop is a 5-day immersive training program designed to equip participants with the knowledge and skills needed to protect their digital assets and mitigate cyber risks.

Topics to be covered in CYBER SECURITY

Day 1: **Introduction to Cybersecurity**
- **Overview of cybersecurity and its importance**
- **Common cybersecurity threats and attack vectors**
- **Introduction to cybersecurity frameworks and standards (e.g., NIST, ISO 27001)**
- **Discussion on the roles and responsibilities of cybersecurity professionals**

Day 2: **Network Security**
- **Fundamentals of network security**
- **Introduction to firewalls, intrusion detection systems (IDS), and intrusion prevention systems (IPS)**
- **Network segmentation and secure network architecture**
- **Securing wireless networks**
- **Practical exercises on configuring and securing network devices**

Day 3: **Application Security**
- **Introduction to application security and secure software development**
- **Common vulnerabilities in web applications (e.g., OWASP Top 10)**
- **Secure coding practices and secure development life cycle (SDLC)**
- **Web application firewalls (WAF) and secure coding practices**
- **Hands-on exercises on identifying and mitigating application vulnerabilitie**

Day 4: Threat Intelligence and Incident Response
- Understanding threat intelligence and its role in cybersecurity
- Introduction to incident response and handling security incidents
- Incident response planning and preparation
- Incident detection, containment, eradication, and recovery
- Practical exercises on incident response and handling simulated incidents

Day 5: Security Operations and Risk Management
- Introduction to security operations center (SOC) and security monitoring
- Security information and event management (SIEM)
- Security incident and event management (SIEM)
- Risk management and risk assessment methodologies
- Practical exercises on security operations and risk management

Duration: The duration of this workshop will be three consecutive days, with 6 hour session each day in a total of 30 hours properly divided into theory and hands on practicals sessions.

Certification Policy:

- **Certificate of Merit for all the workshop participants from SmartBridge.**
- **At the end of this workshop, a small competition will be organized among the participating students and winners will be awarded with a 'Certificate of Excellence'.**
- **Certificate of Coordination for the coordinators of the campus workshops**
- **Internship and placement also provide for selected student..**

Eligibility: It's a basic level workshop so there are no prerequisites. Anyone interested, can join this workshop.

Pre-Requisites:

- **Seminar hall/classroom having sitting capacity of 200 students for conducting hands on session for all the participants.**
- **Good Quality public address system ideally one/two cordless mikes will be required.**
- **Projector/ Screen along with black/white board for teaching and presentation purposes.**
- **One small stereo jack cord to connect in laptop for its sound system.**
- **Laptop/Computer per two students is necessary.**
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Fee: Rs. 600/-(inclusive of all Taxes) per participant.

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Cyber Security | Ethical Hacking | Cyber Forensics | Projects & Training

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