Ethical hacking is an important tool in many national security agencies and even companies. An Ethical Hacker is usually employed with the organization and can be trusted to undertake an attempt to penetrate networks and/or computer systems using the same methods as a Hacker. The goal of the ethical hacker is to help the organization take pre-emptive measures against malicious attacks by attacking the system himself; all the while staying within legal limits. In order to become an Ethical Hacker or Security Expert, one must think out of the box with the mentality that in order to catch a thief.

This workshop is specifically designed to provide the right knowledge to the aspiring Hacking and Cyber Security enthusiasts. This workshop will explore the various means that an intruder has available to gain access to computer resources. It will investigate weaknesses by discussing the theoretical background behind, and whenever possible, actually performing the attack.

**Delivery Method**

• Instructor led hands-on Workshop

**Contact Hours of Training**

• 12 Hours Training

**Number of Days**

• 2 Days

**Number of Trainers**

• 1 or 2

**Practical: Theory Ratio**

• 7:3rerequisites

©Sterling

2

**Prerequisites**

* Passion to learn new creative things.
* Knowledge of how to use Computer.
* Having basic knowledge of Web & Internet.

**Infrastructure Required**

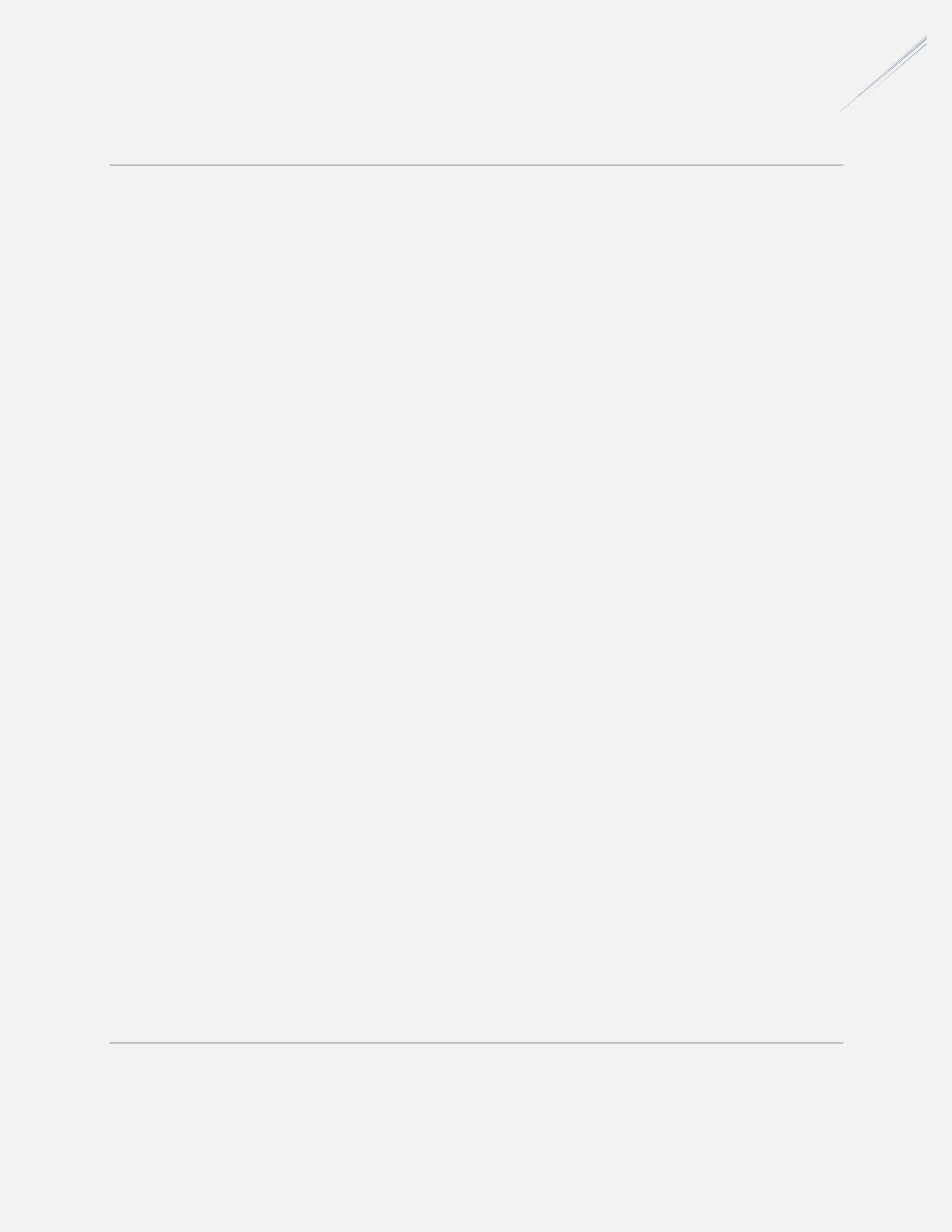
A seminar Hall

A speaker and Microphone System in the hall

One LCD Projector for Live demonstrations

Internet connection for participants to be able to perform lab practical

©Sterling

3

Course Description

**Module 01: Introduction to Ethical Hacking**

**Module 02: Basics of Web Technology**

**Module 03: OS Bypass**

**Module 04: E-Mail Attacks and Security**

**Module 05: Trojans and Backdoors**

**Module 06: Viruses and Worms**

**Module 07: Sniffers**

**Module 08: Google Dorks**

**Module 09: Social Engineering**

**Module 10: Denial of Service**

**Module 11: Hacking Wireless Networks ( Wifi )**

**Module 12: Hacking Mobile Platforms**

**Module 13: Buffer Overflow**

***Note:*** *These are just the major aspects that we will be discussing, each point will be**elaborated in detail with demonstrations of the tools and techniques.*

Material

* **Comprehensive course material will be provided to participants.**
* **Ethical Hacking Toolkit (Containing Tools, Videos, Ebooks, Presentations )**

©Sterling

4

Benefits

* **Learn all the Basics in Information Security & Ethical Hacking with ease**
* **Know about creating and networking virtual machines**
* **Know how a hacker can exploit a Windows OS and how to secure them**
* **Learn about Cloud Computer and setting up one.**
* **Know about Viruses, Trojans & Spywares in depth**
* **Learn Email Hacking & Security from a Hackers Perspective**
* **Learn about Website Flaws, Exploiting those flaws and also to secure them.**
* **Get to learn Android Hacking techniques and Security Measures**
* **All topics included with case studies and demo**

*Note: THIS WORKSHOP IS ONLY FOR EDUCATIONAL PURPOSE NOT FOR*

*HACKING PURPOSE*

©Sterling