## **Ethical Hacking and Countermeasures Course Outline**

- 1. Introduction to Ethical Hacking
- 2. Footprinting
- 3. Scanning
- 4. Enumeration
- 5. System Hacking
- 6. Trojans and Backdoors
- 7. Sniffers
- 8. Denial of Service
- 9. Social Engineering
- 10. Session Hijacking
- 11. Hacking Web Servers
- 12. Web Application Vulnerabilities
- 13. Web-based Password Cracking Techniques
- 14. SQL Injection
- 15. Hacking Wireless Networks
- 16. Virus and Worms
- 17. Physical Security
- 18. Linux Hacking
- 19. Evading IDS, Firewalls, and Honeypots
- 20. Buffer Overflows
- 21. Cryptography
- 22. Penetration Testing