

**Dear Member,**

**ISACA Mumbai Chapter**, in association with **MIEL e-Security Private Limited** ([www.mielesecurity.com](http://www.mielesecurity.com)), is pleased to organize a **One Day Training Workshop** as per the following details:

**Details of the Workshop :**

A One Day Workshop on  
**Web Application Security**  
Mumbai

**DATE: 7<sup>th</sup> Aug 2010, Mumbai**

**Time: 9.00 am to 5.30 pm**

**Venue :**

MIEL Academy, Arena House Anx, Lower Ground floor, Plot No. 103, Road No 18, Opp. Hotel Saffron Spice, Marol-MIDC, Andheri (East), Mumbai 400093.  
Landmark: The Lane to Hilton House, MIDC

**Fees & Batch Size :**

<i>Course Fees</i>	<i>Member</i>	<i>Non Member</i>
<b>Regular Rates</b>	<b>Rs.2,206/-</b>	<b>Rs.2,758/-</b>
<b>(Fees Inclusive of Courseware, Refreshment, Lunch &amp; Service Tax)</b>		

The **number of Participants** for this course is restricted to a **maximum of 20** only

**CPE Hours :**

Members can earn **7 CPE hours** in accordance with ISACA guidelines

**Course Objective :**

This training provides an introduction to web application security basics and various tools and techniques to audit them for security flaws.

## **Course Outline :**

### **1. Introduction to web applications**

- a. Web application basics
- b. Web server basics
- c. Database basics
- d. HTTP and HTTPS protocol basics
- e. Web browser basics

### **2. Web application security**

- a. OWASP Top 10 with Concept and Demo
  - i. Injection Flaws
  - ii. Cross Site Scripting
  - iii. Broken Authentication and Session Management
  - iv. Insecure Direct Object References
  - v. Cross-Site Request Forgery (CSRF)
  - vi. Security Misconfiguration
  - vii. Insecure Cryptographic Storage
  - viii. Failure to Restrict URL Access
  - ix. Insufficient Transport Layer Protection
  - x. Unvalidated Redirects and Forwards
- b. Sample vulnerable applications
  - i. Webgoat
- c. Platforms to analyse web applications
  - i. OWASP Live CD
  - ii. Web Security Dojo
  - iii. Backtrack
  - iv. Ubuntu PE

### **3. Web application firewalls**

- i. Concepts
- ii. Demos

### **4. Conclusion**

## **Instructor: Mr. Vivek Ramachandran**

Vivek Ramachandran is a security evangelist and has been working in computer security for the past 7 years. He is currently an advisor to the computer science department of IIT Guwahati for Govt. of India projects in Intrusion Detection Systems.

In 2007, Vivek spoke at world renowned conferences Defcon (WEP Cloaking Exposed) held at Las Vegas and Toorcon (The Caffe Latte Attack) held at Sand Diego. The discovery of the Caffe Latte Attack was covered by CBS5 news, BBC online, Network World etc. news agencies. The Caffe Latte Attack is now documented in the latest books on wireless security. Vivek was also featured in the CBS5 California News where he demonstrated wireless security awareness programs to the general public.

In 2006, Vivek was announced as one of winners of the Microsoft Security Shootout contest held in India among 65,000 participants. The competition involved finding security holes in a custom application provided by Microsoft and patching the same to prevent the attacks. Vivek's solution to the problem was considered one of the best submissions in the whole of India. Vivek is a recipient of the Team Achievement at Cisco Systems for his work on 802.1x and Port Security modules on the Catalyst 6500 switches. The 6500, is Cisco's flagship product in the switching segment and has thousands of deployments worldwide. He also founded a community driven site for computer security education in 2007 called SecurityTube which is being used by security enthusiasts worldwide to share information.

At MIEL, Vivek is part of the Educational Services team and is responsible for creating highly technical courseware in the field of Information Security. Prior to that, he was part of the Technical Services team and was responsible for guiding technical efforts in vulnerability assessment, penetration testing, application security and secure software development.

Vivek is a Bachelor in Electronics and Communications Engineering from the prestigious Indian Institute of Technology, Guwahati. While studying at IIT-G, he wrote various research papers on computer and network security, which have now been published in research journals.

#### **Registration Procedure :**

Members are requested to register early, to avoid disappointment, as the seats are restricted to **20** only, by completing the Application Form and making appropriate payment of fees by cheque from a local bank or a draft payable in Mumbai in favor of "**MIEL e-Security Pvt. Ltd.-Training**". Registrations will be considered strictly on a first-come-first-served basis.

For further information,

**Contact: Ms. Pushpa Redkar**

**Email: [predkar@mielesecurity.com](mailto:predkar@mielesecurity.com)**

**Tel: +91 (22) 3009 6956, Mobile: 98921 49409**

#### **Registration & Cancellation Policy :**

- ✓ Registration for the event will only be confirmed when full payment is received. An official receipt will be sent to you
- ✓ Program, Speakers & Topics may be subject to change(s) at the Chapters discretion.
- ✓ Notification of withdrawal in writing / by email received 7 working days or more before the event will be processed for refund after deduction of 15% of the fees toward cancellation charges
- ✓ No refund will be made for cancellation at a shorter notice.
- ✓ The Management reserves the right to change any of the aforesaid condition in the interest of the Chapter.

#### **Disclaimer Notice :**

*Note: The chapter reserves the right to cancel / postpone the workshop if the minimum numbers of participants have not registered for the workshop. The chapter reserves the right to make changes in the workshop, which is beyond the control of the chapter*

*This program is being brought to you by ISACA Mumbai Chapter on a Best Effort basis. No representation or warranties are made by the ISACA Mumbai Chapter with regard to the training / conducting organization and members are expected to perform their own due diligence. The views expressed by the Speakers / Faculty are their own views and do not represent the views of ISACA Mumbai Chapter.*

Thanking you.

**Pramod Nayak,  
Secretary  
ISACA MUMBAI CHAPTER**