

### Other Programmes Scheduled in July 2019

S. No.	Programme	Date	Coordinator
1.	Cyber Defence for Banks	01 – 05	Dr. Rajarshi Pal
2.	Certificate Programme on DevOps	01 – 12	Dr. P. Syam Kumar
3.	Workshop on Registration Authority Operations	15 – 16	Dr. N.P. Dhavale
4.	Data Centre Management	24 – 26	Dr. P. Syam Kumar
5.	Data Science in Banking and Finance	29 – 31	Dr. Mridula Verma

Please visit our website for more details on programmes at : [www.idrbt.ac.in/upcoming.html](http://www.idrbt.ac.in/upcoming.html)

#### Bank Account Details for Remittance of Fees

Account Name : IDRBT  
 Bank : Axis Bank Limited  
 Branch : Humayun Nagar (Mehdipatnam Ring Road) Branch, Hyderabad  
 Account Number : 426010100018823  
 IFSC Code : UTIB0000426  
 GSTIN : 36AAAAI0204K1Z4.

#### Programme Office

Please contact our Programme Office for organizing Customized Programmes and/or any other queries related to programmes:

**Dr. M. V. Sivakumaran**  
Senior Domain Expert and Coordinator - EEDP

**Mr. K. Srinivas**  
Administrative Executive

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# Secure Coding Practices

Coordinator: **Dr. V. Radha**

July 01 – 05, 2019



# Secure Coding Practices

July 01 – 05, 2019

**Coordinator:** Dr. V. Radha, Associate Professor, IDRBT  
e-mail: [vradha@idrbt.ac.in](mailto:vradha@idrbt.ac.in)

## Introduction

With lots of digitisation around, banks are under stress to open APIs, develop new Applications for customers as well as employees around their core banking. Building new apps around core banking without proper understanding of OWASP top 10 security vulnerabilities like SQL Injection, Remote Code Execution etc might put the bank in higher risk zone. Whether the bank develops the application on its own or buys it, it is advisable for the bankers to understand the OWASP vulnerabilities, how do they manifest and what are the remedial measures. For majority of the attacks, bad programming is the sole source of problem. Security experts deploy remedial measures across the entire enterprise network stack right from Web application firewalls, to end-point security. It is like making the outer wall stronger to secure the weak inner applications. Majority of these solutions are not needed if the programs are written with security in mind.

## Objective

To bring awareness about OWASP top 10. Discuss and demonstrate the remedial measures; Automated testing of applications; Code Scanning and Code Analysis.

## Contents

- \* OWASP Top-10 – Overview
- \* PKI for Information Security in Banking Services
- \* SSL
- \* Web Application Security
- \* Cross Site Scripting and Remedial Measures
- \* Database Security
- \* SQL Injection and Remedial Measures
- \* Remote Code Execution – Buffer Overflow Attacks and Remedial Measures
- \* Session Hijacking and Remedial Measures
- \* Insecure Authentication and Remedial Measures
- \* Insecure Data Storage and Remedial Measures
- \* Weak Encryption and Remedial Measures
- \* Testing Overview
- \* Automated Testing Tools

## End Use

Participants would be able to appreciate the RCA of vulnerabilities and act accordingly to strengthen the overall IT environment in all its dimensions: Data, Applications and Technologies.

## Who Can Participate?

Developers, Inspection officials as well as officers in IT function involved in design, deployment and maintenance of information systems

Level of Participants: From Scale I to IV

## Faculty

Faculty of IDRBT, Guest Speakers from the Industry & Practitioners.

## Fee Details

### Domestic Participants from

- \* RRBs & Coop Banks : Rs. 41,300/- (Rs. 35,000/- + 18% GST)
- \* All other Banks & FIs: Rs. 53,100/- (Rs. 45,000/- + 18% GST)

### Foreign Participants from

- \* SAARC Countries : US \$ 1180/- (US \$ 1000/- + 18% GST)
- \* Other Countries : US \$ 1770/- (US \$ 1500/- + 18% GST)

The fees for our programmes can be remitted through NEFT and the bank account details for fee payment available at: <http://bit.ly/PAYFEES>.

## Nominations

Nominations should be sent to us latest by **June 17, 2019** by email to [program@idrbt.ac.in](mailto:program@idrbt.ac.in)

While nominating, please provide the details of the participants (Name, Designation, Bank, Mobile No / Phone No., email address) along with the nominating authority details (Name, Designation, Bank, Mobile No / Phone No., email address, Fees billing address, GST No. of the bank).

## Venue & Timings of Programme

**Venue:** IDRBT

**Timings:** 9.30 AM to 5.30 PM

## How to Reach IDRBT

A major landmark near Masab Tank flyover is NMDC. IDRBT is located just behind NMDC. Google Pin: <http://bit.ly/IDRBT>

## Accommodation and Travel Plans

The boarding & lodging arrangements will be made at IDRBT, Hyderabad. The participants will be provided single occupancy a/c rooms.

**Check-in** : From 3.00 PM on Sunday, June 30, 2019.

**Check-out** : 7.00 AM on Saturday, July 06, 2019.