

### Programmes Scheduled in February 2023

S. No.	Programme	Date	Coordinator
1	IT Operational Risk Management	06 - 08	Dr. N. P. Dhavale
2	Biometric Payment Systems	06 - 08	Dr. MVNK Prasad
3	Secure Coding Practices	06 - 08	Dr. V. Radha
4	Robotic Process Automation	13 - 15	Dr. Rajarshi Pal
5	Big Data and Cloud	13 - 17	Dr. P. Syam Kumar
6	Payment Systems	13 - 17	Dr. Susmita Mandal
7	Server-less Compute Platforms	20 - 22	Dr. Subhrendu
8	Mobile Application Development and Security Testing	20 - 24	Dr. V. N. Sastry
9	Blockchain for Banking	Feb 27 - Mar 01	Dr. Susmita Mandal
10	Information Systems Control and Audit	Feb 27 - Mar 03	Dr. Dipanjan Roy
11	IT Project Management & Vendor Management	Feb 27 - Mar 03	Dr. Abhishek Thakur
12	Fraud Analytics	Feb 27 - Mar 03	Dr. Mridula Verma

Please visit our website for more details at : <https://www.idrbt.ac.in/offline-programmes>

#### Programme Office

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

**Mr. K. Srinivas**  
Administrative Executive

**Mr. D. Chaitanya**  
Administrative Executive

Institute for Development and Research in Banking Technology  
Castle Hills, Road No. 1, Masab Tank, Hyderabad - 500 057, India.

**Phone:** +91-40-2329 4121 / 22 / 24 / 25

**Web:** [www.idrbt.ac.in](http://www.idrbt.ac.in) **E-mail:** [eprogram@idrbt.ac.in](mailto:eprogram@idrbt.ac.in)

# Program on Mobile Application Development and Security Testing

**Coordinator: Dr. V. N. Sastry**

**February 20 - 24, 2023**



## Introduction

Mobile Applications have become the primary interface for Banking Services to Customers. Since mobile technology in terms of mobile device, mobile communication and mobile services is fast changing, mobile subscriber base and banking transactions are increasing in fast pace, and number of security crimes are growing, it is necessary to redesign for enhanced user experience and continuously upgrade the security of mobile banking applications.

This programme focuses on the recent developments in Mobile Technology, Mobile Banking, Mobile Payments and Mobile Security. Mobile Application Design using Unified Modelling Language diagrams and Development on Android platform using Android studio would be covered with hands on exercises on activities, intents, broadcasts, database, web data retrieval etc. Development of APIs, multiple language support, localization and usability aspects would be discussed. Mobile App Security Testing would be covered using security testing tools. It would also cover on Mobile Forensics and i-OS Mobile App development.

## Objective

- ★ To learn about the mobile application development life cycle and design using UML diagrams.
- ★ To learn about the architectures of mobile operating systems, mobile browsers and API.
- ★ To learn with hands on mobile application development for Android platform
- ★ To learn about mobile application development on i-OS platform and cross platform development tools.
- ★ To do security testing of mobile applications for android / i-OS mobile platforms.

## Contents

- ★ Developments in Mobile Technology, Mobile Communication and Mobile Services
- ★ Mobile Banking, Mobile Payments ( IMPS, AEPS, UPI, NEFT ) and Mobile Wallets
- ★ APIs, User Interfaces, Multi-lingual and location based services
- ★ Android Architecture and Android Studio for Integrated Development Environment
- ★ Mobile Security Threats and Security Testing of Mobile Banking Apps.
- ★ Mobile Forensics and Social Media Banking
- ★ i-OS Software stack and Xcode IDE

## End Use

- ★ Learning recent developments in Mobile Technology, Mobile Communication, Mobile Banking, Mobile Payments, Mobile Wallets, Social Media and regulations would help to improve Mobile Banking Services.
- ★ Learning to draw UML diagrams would help to design banking services better. Learning on Mobile Security Testing would help to overcome Security Threats in Mobile Banking Services.
- ★ Participants would be able to understand and experience the development of mobile banking application in android and do security testing to enrich its security.

## Who Can Participate?

Officers working in payment systems

## Fee Details

### Domestic Participants from

- ★ RRBs & Coop Banks : Rs. 59,000/- (Rs. 50,000/- + 18% GST)
- ★ All other Banks & Fis : Rs. 70,800/- (Rs. 60,000/- + 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: <https://bit.ly/3PXGK35>.

## Bank Account Details for Remittance of Fees

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

## Nominations

Nominations should be sent to us latest by **FEBRUARY 14, 2023** 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).

## How to Register

The nominations for these e-Programmes, and queries if any, may please be sent to [program@idrbt.ac.in](mailto:program@idrbt.ac.in). Please visit <https://www.idrbt.ac.in/offline-programmes> for more details about these programmes.

## 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, February 19, 2023.

**Check-out** : 7.00 AM on Saturday, February 25, 2023.

## Programme coordinator

**Dr. V. N. Sastry**, Professor, IDRBT; E-mail: [vnsastry@idrbt.ac.in](mailto:vnsastry@idrbt.ac.in).