

### Other Programmes Scheduled in October 2022

S. No.	Programme	Date	Coordinator
1	Automated Testing of Software Applications	10 - 14	Dr. V. Radha
2	Virtualization and Cloud Computing	10 - 14	Dr. P. Syam Kumar
3	Proactive Fraud & Risk Management in Digital Payment Landscape	13 - 14	Dr. Susmita Mandal
4	Red Team & Blue Team Exercise	17 - 19	Dr. B. M. Mehtre
5	Re-imagining Customer Engagement with Conversational Chatbots	17 - 19	Dr. Mridula Verma
6	IoT Security	31 - Nov 04	Dr. Dipanjan Roy

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:

**Mr. K. Srinivas**  
Administrative Executive

**Mr. D. Chaitanya**  
Administrative Executive

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# Programme on Automated Testing of Software Applications

Coordinator: **Dr. V. Radha**

**OCT 10 – 14, 2022**



## Automated Testing of Software Applications

October 10 – 14, 2022

Coordinator: **Dr. V. Radha**, Associate Professor, IDRBT

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### Introduction

Every software development team tests their software before rolling out. Recent times witnessed Government emphasis on digitisation and reduced timelines to roll out new applications that led to less or no time for testing. Testing is a crucial step in a software development. Test engineers try to catch the bugs much ahead of application release but bugs always creep in and they often reappear, even with the best manual testing processes. Test Automation software is the best way to increase the effectiveness, efficiency and coverage of software testing.

Software tests should be repeated as and when source code is modified. With an automated testing tool, one can playback pre-recorded and predefined actions; compare the results to the expected behaviour and report the success or failure of these actions (test cases). Once automated tests are created they can easily be repeated and they can be extended to perform tasks impossible with manual testing.

### Objective

To bring awareness about Automated Testing. Discuss and demonstrate automated testing, carrying out different test types, test case creation and performing load testing.

### Contents

- \* Introduction Testing
- \* Testing Types
- \* Smoke Testing
- \* Unit Testing
- \* Integration Testing
- \* Functional Testing
- \* Keyword Testing
- \* Regression Testing
- \* Data Driven Testing
- \* Black Box Testing
- \* GUI Testing
- \* API Testing
- \* Performance Testing

### Who Can Participate?

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

Level: Scale I to IV.

### Faculty

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

### End Use

Participants would be able to appreciate the importance of testing and recent advances in it and act accordingly to strengthen the overall IT environment in all its dimensions: Data, Applications and Technologies.

### 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: <http://bit.ly/PAYFEES>.

### Nominations

Nominations should be sent to us latest by **OCTOBER 04, 2022** 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, October 09, 2022.

**Check-out** : 7.00 AM on Saturday, October 15, 2022.