



Institute for Development and Research in Banking Technology

(Established by Reserve Bank of India)

Castle Hills, Road No. 1, Masab Tank, Hyderabad-57, India.

e-Programme on

API DEVELOPMENT

March 02 - 05, 2021

Introduction

APIs are entry points or programming artefacts to access a business functionality. They help complete complex processes that are dependent on the business processes of other organisations. APIs are enablers of Straight Through Processing, alleviating the need for cumbersome insecure file upload and download. Banks have been consuming the APIs

(Application Programming Interfaces) offered by agencies like AADHAR and NPCI. However, banks may have to open up their APIs such that other businesses can easily develop applications weaving their bank inside their business processes. Web services technology represents an important way for businesses to communicate with each other. While web services (REST) are programmatic interfaces, XML and JSON are the languages that define the data transmitted between the applications. This program focusses on how to design and deploy APIs using latest technologies available.

Objectives

- To bring awareness about API development
- To discuss and demonstrate the simplicity and power of the technologies like XML, JSON, REST, etc. with hands-on labs/Demos.

Contents

- SOA– Introduction
- Introduction to Middleware
- Mark-up Languages – Introduction
- XML, XSD, XBRL etc.
- JSON
- Designing SOAP based APIs
- Designing REST based APIs
- API Life Cycle
- API Management
- API Security

Mode of Teaching

Online teaching plus learning inputs through reading material, videos, webinars, assignments, quizzes, online interactions and clarifications. Each e-Programme will have four live webinars and course material will be made available in advance for study.

Who Can Participate?

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

End Use:

Participants would be able to appreciate the power of API; can ensure better design, development, management and seamless integration of APIs, into internal and external business processes.

Programme Coordinator:

Dr. V. Radha, Associate Professor, IDRBT;

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Fees:

For Indian Participants

- RRBs & Coop Banks: Rs. 8,850/- (Rs. 7,500/- + 18% GST)
- All Other Banks & FI's: Rs. 11,800/- (Rs. 10,000/- + 18% GST)

For International participants

- US \$ 175 (per participant, All inclusive)

Bank Account Details for Remittance of Fees

The fees for this e-programme can be remitted to the following accounts:

For Indian Participants

Account Name : IDRBT
Bank & Branch : Axis Bank Limited, Humayun Nagar, Mehdiapatnam, Hyderabad
Account No. : 426010100018823
MICR Code : 500211012
IFSC Code : UTIB0000426

For International participants

Receiver's Correspondent Bank : JP Morgan Chase, New York, USA
Swift Code : CHASUS33XXX
Fed Wire Routing Number : ABA 021000021
Beneficiary Bank & Branch : Axis Bank Ltd., Mumbai, India
Account Number : 0011407376
Beneficiary Bank Swift Code : AXISINBB

Ultimate Beneficiary

Account Name : IDRBT
Customer ID : 030021632
Account No. : 426010100018823
Bank & Branch : Axis Bank Ltd., Jubilee Hills, Hyderabad, India. (AXISINBB030)

Nominations

Banks may nominate any number of participants to these e-Programmes, which may be accepted on a first-cum-first-served basis. While nominating, please provide the details of the participants (Name, Designation, Bank, Mobile No/Phone No, email address, fees billing address, GST No. of the Bank).

Apart from nominations by banks, staff members of banks can self-nominate themselves for these e-Programmes by providing their employee credentials and paying the programme fee latest by **March 01, 2021**.

How to Register

The nominations for these e-Programmes, and queries if any, may please be sent to eprogram@idrbt.ac.in. Please visit <https://www.idrbt.ac.in/eprogrammes.html> for more details about these programmes.

e-Programmes in March 2021

S. No.	Name of the e-Programme	e-Programme Date	e-Programme Coordinator	Last Date for Nomination
1	Threats to Digital Payment Ecosystem	Mar 01 - 04, 2021	Dr. Susmita Mandal	Feb 28, 2021
2	Emerging Cyber Security Practices	Mar 02 - 05, 2021	Dr. Rajarshi Pal	Mar 01, 2021
3	API Development	Mar 02 - 05, 2021	Dr. V. Radha	Mar 01, 2021
4	Basics of IT Vendor Management	Mar 15 – 18, 2021	Dr. Abhishek Thakur	Mar 14, 2021
5	Virtualization and Cloud Computing	Mar 15 – 18, 2021	Dr. P. Syam Kumar	Mar 14, 2021
6	Fundamentals of Keylogger	Mar 16 – 19, 2021	Dr. Dipanjan Roy	Mar 15, 2021
7	Data Science in Banking and Finance	Mar 16 – 19, 2021	Dr. Mridula Verma	Mar 15, 2021
8	Mobile Banking, Social Media Banking and Mobile App. Security Testing	Mar 22 – 25, 2021	Dr. V. N. Sastry	Mar 21, 2021
9	Insider Threats - Detection and Prevention Techniques	Mar 23 – 26, 2021	Dr. B. M. Mehtre	Mar 22, 2021
10	Introduction to Authentication Techniques	Mar 23 – 26, 2021	Dr. M.V.N.K. Prasad Dr. N.P. Dhavale	Mar 22, 2021