

Programme on

APIs & Digital Ecosystem

Programme Coordinator: **Dr. V. Radha**

NOVEMBER 17 - 19, 2025



INSTITUTE FOR DEVELOPMENT AND RESEARCH IN
BANKING TECHNOLOGY, HYDERABAD
(ESTABLISHED BY RESERVE BANK OF INDIA)

Introduction

APIs and digital ecosystem for the Banking and Financial Services (BFSI) sector involves using Application Programming Interfaces (APIs) to connect banks, fintech companies, third-party developers, and customers in a seamless fashion. This collaboration allows for the creation of new financial products and services, enhances customer experience, and drives new revenue streams for financial institutions.

Role of APIs in the BFSI ecosystem

APIs act as the "connective glue" that allows different software applications to communicate and share data securely. APIs are entry points or programming artefacts to access a business functionality. They help complete complex processes that are dependent on the processes of other organisations. APIs are enablers of Straight Through Processing, alleviating the need for cumbersome insecure file upload and download.

API classifications in BFSI:

- **Public APIs:** Made widely available to external, third-party developers.
- **Partner APIs:** Used for secure data sharing and integration with specific, trusted third-party partners like payment processing companies.
- **Internal APIs:** Used within a financial institution to streamline and automate internal processes, breaking down data silos between different departments.

Common types of banking APIs:

- **Account Information APIs:** Enable apps to securely access customer account data, including balances and transaction history, with customer consent.
- **Payment Processing APIs:** Facilitate secure payments directly from a bank account, powering services like online payments and money transfers.
- **Lending and Credit APIs:** Automate parts of the loan process, allowing lenders to verify income, assess eligibility, and speed up loan approvals.
- **Identity and Authentication APIs:** Verify a user's identity and incorporate secure authentication methods like biometrics.

The success of the India Stack and UPI has prompted major Indian banks and fintechs to invest heavily in modernizing their digital capabilities, positioning the country as a leader in digital payment innovation.

This program covers about the role of API in shaping India's digital banking eco system, the journey made so far and the future ahead.

Objective

This program is aimed at providing knowledge about API eco system, highlighting the risks and opportunities of APIs, past and present innovations based on API ecosystem and discussing about the role of API in shaping the future.

Contents

- Introduction to API
- Types of API
- API Security and Governance
- API Management
- Technologies behind API
- Innovation through API
- API Digital Ecosystem – India Stack, UPI and Payment Gateways, Lending APIs
- Selected Case Studies from banks and FinTechs

Who can Participate?

Officers in IT as well as business function involved in digital banking projects and/or activities with Govt or Fintechs.

Programme Coordinator

Dr. V. Radha, Associate Professor. e-mail: vradha@idrbt.ac.in.

End Use

The participants can understand the API Eco System, the benefits and risks thereof. They learn how to manage the API and take risk control measures.

Fee Details

Domestic Participants from

- ★ RRBs & Coop. Banks : Rs. 38,000 + Applicable GST
- ★ All other Banks & Fis : Rs. Rs. 45,000 + Applicable GST

The fees for our programmes can be remitted through NEFT and the bank account details for fee payment are here under:

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

Accommodation

Participants will be provided Air Conditioned Single Occupancy accommodation in IDRBT, Hyderabad, with all cafeteria facilities. The Participants can check-in on the evening of the day before the commencement of the programme and can check-out after completion of the programme on the same day (or) in the morning of the next day of the programme.



Nominations

Nominations should be sent to us latest by **NOVEMBER 03, 2025** by email to hunar@idrbt.ac.in. **Please note that no nominations will be accepted after this date.** This measure is envisaged to further improve the quality and learning outcomes of the programmes based on participants' profile and requirements.

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, Fee billing address, GST No. of the

Contact Us

Please contact our Programme Office for organizing Customized Programmes and/or any other queries related to programmes at hunar@idrbt.ac.in or call us on 040 2329

Forthcoming Programmes of November 2025

S. No.	Programme	Date	Coordinator
1.	Blockchain for CBDC and Beyond	10 - 14	Dr. Susmita Mandal
2.	Customer Identity and Digital Personal Data Protection Compliance for Banks and Financial Institutions	12 - 14	Dr. V. N. Sastry
3.	Advanced AI/ML in Banking	17 - 21	Dr. V. Ravi
4.	Emerging Technologies in Banking	19 - 21	Dr. MVNK Prasad
5.	IT Governance & Risk, Compliance for Business Heads	19 - 21	Dr. Mridula Verma
6.	Intelligent Process Automation	24 - 28	Dr. Mridula Verma
7.	Data Privacy and Cloud Security	24 - 28	Dr. P. Syam Kumar Dr. Susmita Mandal
8.	Cyber Security for IS Auditors - Level 1	26 - 28	Dr. V. Radha Dr. Susmita Mandal
9.	Private Cloud Infrastructure Management	26 - 28	Dr. Abhishek Thakur Dr. P. Syam Kumar

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