Banking, Financial Services and Insurance Domain

Domain Specialization & Project Expertise

Banking, Financial Services & Insurance

6 Industry Relevant Projects

20+ Case Studies & Assignments

100% Interview Guarantee

✅ Discover success in a tough job market with cutting-edge tools and proven methods for competition.

✅ Excel in analyzing data, craft an interactive dashboard to showcase your insights proficiently.

✅ Enhance leadership abilities by understanding data, making informed decisions on customers, products, and teams.

Who Can Apply?

Executive level Professional

High-level finance experts or advisors, aspiring to lead in the forefront of the banking and finance industry.

Professionals interested in banking & finance sector

Aspiring individuals interested in the banking and finance sector, with limited coding expertise can achieve their tech dreams through our Program

Experienced Professionals at Leadership Roles

For managers and leaders aiming to infuse cutting-edge, data-driven methodologies into their current business operations, enabling future-proofing and innovation.

Tools & Modules

Python

SQL

Tableau
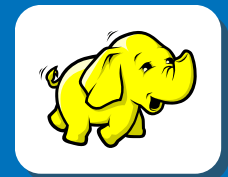
PowerBI

R

MongoDB

Tensorflow

Hadoop

Apache Spark

Azure

Git

GitHub

Transition Process

Transforming 35k+ careers with staggering 250% salary boosts and an exceptional 175% average hike.

Get IBM Course Completion Certificate

Complete the most sought-after program, get IBM's course certificate, and elevate your skills to new heights!

Flexible Learning with Hands-On Exposure

Get immersive experiences for unparalleled learning through practical engagement taught by industry experts

Unlock Limitless Career Opportunities

Conquer the tech domain and open the gateway to boundless career prospects with 250% salary hike

Master Key Skills to Excel

Learn essential skills and industry insights for a remarkable career transition that propels you to excellence.

Enrol in our Program

Supercharge your career by enrolling in our industry-relevant program, designed to shape your professional trajectory.

What Will You Learn?

With new applications being developed all the time, banking is in a state of constant change. Data science is everywhere in banking. As a result of the financial crisis of 2008, the face of the banking sector has been quickly changing. In the world of information technology, banks were early adopters for both procedures and security. Banks are becoming bigger, and client loyalty is poor, which implies consumers demand more operational efficiency. Banks want to understand their clients better and keep them on their books. The analytics team is focused on trends found in the data to better interact with customers and better comprehend transactional data

The elective covers several banking and finance data analysis tools and ideas, but its emphasis is on practical applications and implementations.

It explains decision analytics in a manner that non-mathematicians and everyday statistical data analysis experts may easily comprehend.

Ready-to-use practical analytical tools are imparted to students who take this module.

Project Life Cycle Expertise with 2 Capstone Projects

Domain Training

Module 1

Introduction to Banking Finance & Insurance Domain

In this Introductory session, you will learn the basic banking sector information.

We'll be looking at several financial organizations and the many different kinds of financial services they offer to their customers.

To understand how a bank produces return, we may look at a bank's balance sheet and income statement.

We will conclude with a brief overview of several career options in banking.

Module 2

Financial Institutions and their Services

- Types of Financial institutions
- Organization of Financial Institutions
- Universal Banks, Large Banks, Investment Banks, Community Banks, Online Banks, Credit Unions, Cooperative Banks
- Banking Services, Retail Banking, private Banking, Business Banking, Commercial Banking, Corporate Banking, Investment Banking

Domain **Training**

Module 3

How returns are generated in Financial Institutions?

- Bank's Balance Sheet, Income Statement, Net Interest Income, Components of total revenue.
- Measuring returns in a bank, The impact of Leverage, The importance of Operating Efficiency, Asset Liability Matching and Securitization

Module 4

Managing customer data, Customer segmentation and Real-time and predictive analytics

- Here we will learn how Machine Learning and Analytics can be useful to counter a shrinking customer base by trying a number of different retention techniques with significant results.
- With this one will be able to predict which currently active customers are likely to reduce their business with banks which in turn may reduce the churn percentage.

Domain Training

Module 5

Process Automation, Security

This module will help you understand in identifying "high net worth or potential "prospects and customers, Improve the ability to target products and services to prospects or customers, Maximise the specific elements of the offer (product, pricing, channel) and allow senior management to make informed operational decisions.

Module 6

Fraud detection, Underwriting and credit scoring and Risk modeling for investment banks

The Analytics in this module will help you to understand how banks identify right customers for lending, monitor collections, predict and reduce delinquencies and reduce NPA and increase profitability.
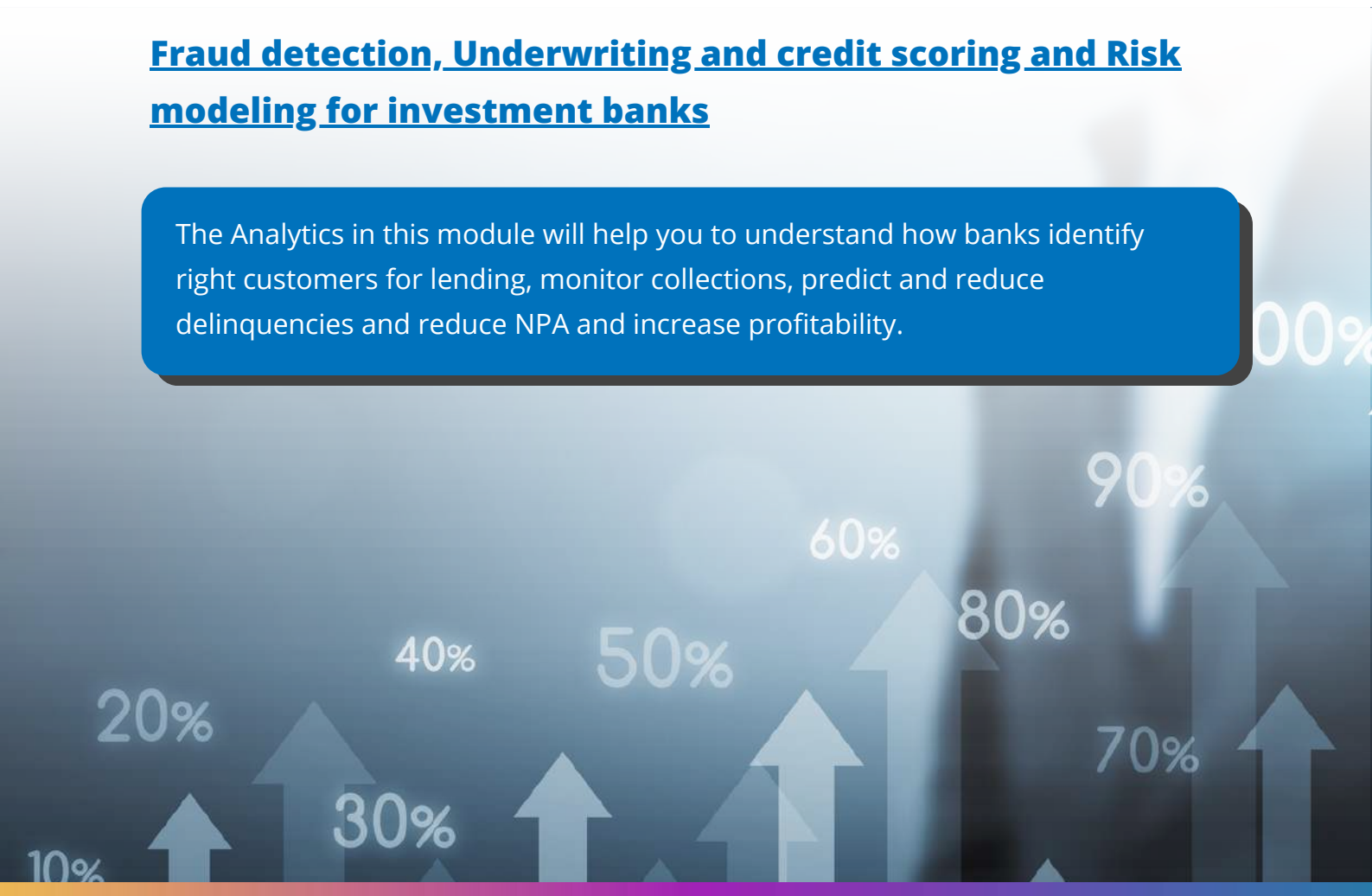
Domain Specalized Projects

Banking Domain 💵

Loan Default Prediction

The bank wants to improve their services by finding interesting groups of clients. Fortunately, the bank stores data about their clients, the accounts (transactions within several months), the loans already granted, the credit cards issued.

This process of loan default prediction can be done with machine learning algorithms.

Banking Domain 💳

Identify Fraudulent credit card transactions

To recognize fraudulent credit card transactions so that customers are not charged for items that they did not purchase.

It involves various processes like Data Cleaning, Data Visualization, Insights generation, Model generation, Feature Engineering and so on.

Insurance Domain 🛡️

Forecasting Insurance Pricing

Insurance firms should collect a higher premium than the amount paid to the insured person in order to generate a profit.

As a result, insurance firms devote a significant amount of time, effort, and resources to developing models that properly estimate health-care costs.

Domain Specalized Projects

Insurance Domain 💰

Claims Prediction

The insurance industry is particularly interested in future forecasting. Accurate forecasting allows the organization to minimize financial losses. For this, insurers employ quite complicated procedures. A decision tree, a random forest, a binary logistic regression, and a support vector machine are the main models.

In this example, a large number of different variables are being investigated. The methods include recognition of claims-to-claims relationships, high-dimensionality implementation to reach all levels, and detection of missing observations, among other things. The portfolio of each individual consumer is created in this manner.

Forecasting future claims enables insurers to set competitive premiums that are neither too high nor too cheap. It also assists in the development of pricing models.

This allows the insurance firm to stay ahead of the competition.

Finance Domain 💵

Algorithmic Trading

- The most significant aspect of financial institutions is algorithmic trading.
- Complex mathematical formulas and lightning-fast computations are used in algorithmic trading to assist financial firms in developing new trading strategies.
- The data used in algorithmic trading is made up of huge data streams that are measured and described using a model.
- The analytical engine's goal is to better analyse the large datasets and generate forecasts for the future market.

Domain Specalized Projects

Finance Domain

Analysing Risk in Finance Industry

One of the most important fields of data science and business intelligence in finance is risk analytics. Risk analytics and management allow a corporation to make strategic decisions while also increasing its trustworthiness and security.

While classic organized data can always be accommodated in spreadsheets, more complex data is not. Institutions can benefit from this type of big data in a variety of ways.

A corporation might be exposed to a variety of dangers. Competitors, credit, the market, and other factors all contribute to these risks.

Identifying, monitoring, and prioritizing risks are the most important elements in risk management.

There is an abundance of data, such as client information and financial transactions.

As a result, the institutions use this type of data to improve risk scoring models and save expenses.

Verifying the creditworthiness of consumers is another crucial part of risk management.

FAQs

❓ Can I select multiple domain electives?

You can select multiple electives based on your career goal and work experience/academics.

❓ What if I don't have any prior experience in any domain?

Even if you don't have any prior experience, you can still opt for any elective.

❓ Can I change my domain electives later ?

Yes, you can change your elective or repeat the training later within the Course Accessibility Duration.

❓ Are there any additional charges for electives?

No, there are no additional/ hidden charges.

STILL CONFUSED?

Apply for FREE Career Counselling Session with our Expert

📞 **+91 77 956 87 988**

BOOK NOW

Follow us on