



S-VYASA
Deemed to be University
SATTVA GLOBAL CITY CAMPUS
BANGALORE

NAAC GRADE A+
ACCREDITED UNIVERSITY

SCHOOL OF MANAGEMENT & COMMERCE

in Association with



PRIMAX FOUNDATION



(Registered Under Karnataka Societies Registration Act 1960)
Reg. No. JNR-S211-2015-16, MSME Reg. No.: UDYAM-KR-03-0144791
CSR Reg. No.: CSR00038642, NITI AAYOG Reg. No. :KA/2022/0318909
Bengaluru, Karnataka, India

Organizes

15 DAY VIRTUAL TRAINING PROGRAM

ON

“MACHINE LEARNING-DRIVEN FINANCIAL DATA ANALYTICS FOR DECISION MAKING”



Registration Fee
Rs. 2,500/-

For Registration

CLICK HERE

16-02-2026 to 06-03-2026
(Exclude Saturday and Sunday)

7.00 PM to 9.00 PM

About S-VYASA Deemed-to-be University

India's leading university (NAAC A+, AICTE approved), discover the transformative power of education at S-VYASA. Explore diverse programs, from undergraduate to Ph.d, that blend tradition with modern advancements. At S-VYASA University, we prepare you to launch your career by providing a supportive, creative, and professional environment from which to learn practical skills, build a network of industry contacts, and gain real-world experience. Students at S-VYASA undergo a unique form of education that integrates life training and character building through yoga as a way of life. The institution blends the gurukula style of education with a modern scientific approach, placing a strong emphasis on practical, hands-on experience and in-depth research.

About School of Management & Commerce

The School of Management and Commerce is committed to developing future business leaders through a curriculum that integrates contemporary business practices, international standards, and advanced digital strategies. Our programs offer specializations in areas such as Finance, Marketing, Operations, Business Analytics, International Business, Healthcare Management, Logistics and Supply Chain Management, and Digital Business Management, allowing students to tailor their education to their career goals. We emphasise experiential learning through case studies, internships, and collaborations with industry experts from leading companies, ensuring that our students gain practical insights and real-world experience. Additionally, our curriculum incorporates wellness programs to promote holistic development, equipping students with the resilience and integrity needed to navigate the challenges of the business world.

About Primax Foundation, Bengaluru, Karnataka

Primax Foundation (Reg. No JNR-211-2015-16), Established in 2015 is a registered non-profit organization located in Bengaluru, Karnataka, India. Being committed to social development, it offers high-quality educational and professional development opportunities through workshops, conferences, seminars, and training programs. These programs encompass journal publications, faculty development, management development, educational and skill development initiatives, and research activities. As an emerging training and development center, Primax Foundation provides both on campus and off campus programs to empowering students, research scholars, and faculty members with the knowledge and skills needed for academic and professional success.

About Training Program

Financial Data Analytics with Machine Learning combines financial theory, data analytics, and artificial intelligence to extract actionable insights from complex and high-volume financial data. The rapid digitalization of financial markets, banking systems, and fintech platforms has led to an unprecedented growth in structured and unstructured financial data, necessitating advanced analytical techniques for effective decision-making.

Objective



The objectives of this training program are to:

- Introduce the fundamentals of financial data analytics and machine learning
- Develop skills in handling, cleaning, and analyzing financial datasets
- Apply machine learning models to solve financial problems
- Enhance analytical, critical thinking, and data interpretation skills
- Provide exposure to real-world financial applications and case studies

Training Outcomes

After completing this training program, participants will be able to:

- Understand financial data structures and analytics workflows
- Perform data preprocessing, visualization, and exploratory analysis
- Apply supervised, unsupervised and semi supervised ML techniques in finance
- Build and evaluate basic machine learning models for financial data
- Interpret analytical results to support financial and business decisions

Who can Participate?

- Faculty members
- Administrators & Corporate employees
- Research Scholars & PG Students (Any Domain)

Key Information

- Duration: 15 days (**16-02-2026 to 06-03-2026**)
- Timings: **7.00 PM to 9.00 PM**
- Registration fees: **For Indian Participant Rs.2,500/- and for Foreign Participant 60 Dollars**
- **Limited to 100 seats only**
- All participants will receive 'Softcopy of Certificate of Participation' after successful completion of the Training Program
- Registration fee can be done through Googlepay/ Phonepe / Paytm (**OR**) QR Code Scan
- No Recorded session will be provided.

Resource Person



Dr. DHARMENDRA H.

M.Com, NET, KSET, TNSET, Ph.D

Faculty, School of Commerce, Finance and Accountancy

Department of Commerce

CHRIST (Deemed to be University)

Yeshwanthpur Campus

Bangalore, Karnataka

Dr. Dharmendra H. is an assistant professor at the CHRIST (Deemed to be University) School of Commerce, Finance, and Accountancy, Yeshwanthpur Campus, Bangalore. He graduated with a Master of Commerce and a Ph.D. in Finance from Bangalore University. His primary areas of expertise include statistics, data analytics, and finance, and he has over ten years of combined teaching and research experience. His areas of interest in research are management, investing choices, and financial literacy. He is skilled in Machine Learning using Python, Financial Modelling, and has hands-on experience with tools like SPSS, AMOS, JAMOVI, JASP, SMART PLS, Tableau, R, and Excel. He has conducted numerous workshops and training sessions for postgraduate students, research scholars, and faculty members.

Dr. Dharmendra has published numerous research papers/Chapters in Scopus indexed journals/books, as well as co-authored books on Emerging Trends in Entrepreneurship, Strategic Cost Management, Strategic Financial Management, Business Ethics, and Human Resource Development. He has worked as a reference person for FDPs, MDPs, and SDPs, as well as chaired sessions at academic conferences.

Training Content

Module 1 Introduction to Financial Data Analytics

- Evolution of Financial Analytics
- Role of Data and AI in Modern Finance
- Types of Financial Data:
 - Market Data
 - Banking & Credit Data
 - Corporate & Accounting Data
- Applications of Machine Learning in Finance:
 - Risk Management
 - Fraud Detection
 - Investment Analytics

Module 2 Python for Financial Data Analytics

- Data Analytics Process in Finance
- Introduction to Python Environment (Jupyter/Anaconda/IDLE)
- Core Libraries:
 - NumPy – Numerical Computation
 - Pandas – Data Handling & Manipulation
 - Matplotlib & Seaborn – Financial Visualization
- Hands-on:
 - Loading Financial Datasets
 - DataFrames and Series Operations

Module 3 Financial Data Sources & Preprocessing

- Financial Data Sources:
 - Stock Market Data
 - Banking & Credit Data
 - Macroeconomic Data
- Open Financial Data (Introductory)
- Data Preprocessing Techniques:
 - Handling Missing Values
 - Duplicate Removal
 - Data Transformation & Scaling
- Practical:
 - Cleaning Real-World Financial Data

Module 4 Exploratory Data Analysis (EDA) in Finance

- Descriptive Statistics for Financial Data
- Data Visualization Techniques
- Identifying Trends, Volatility, and Patterns
- Hands-on:
 - EDA on Financial and Banking Datasets

Module 6 Regression Models for Financial Prediction

- Linear and Multiple Regression
- Financial Applications:
 - Return Prediction
 - Cost & Revenue Estimation
 - Model Assumptions and Diagnostics
- Evaluation Metrics:
 - R², MAE, RMSE
- Hands-on:
 - Regression Modeling using Python

Module 5 Machine Learning Foundations

- Machine Learning Paradigms:
 - Supervised Learning
 - Unsupervised Learning
- ML Workflow for Financial Problems
- Training, Testing, and Validation
- Financial Use Cases Mapping

Module 7**Classification Models in Finance**

- Logistic Regression
- Decision Trees
- Financial Applications:
 - Credit Scoring
 - Default Risk Prediction
 - Fraud Detection (Introductory)
- Evaluation Metrics:
 - Confusion Matrix, Precision, Recall, ROC-AUC
- Hands-on:
 - Credit Risk Classification Case Study

Module 8**Ensemble Learning Techniques**

- Ensemble Concepts:
 - Bagging
 - Boosting
 - Random Forests
 - Feature Importance in Financial Models
- Practical:
 - Ensemble Model Demonstration

Classification Models in Finance

- Mini Project
- Interpretation of Results
- Career Opportunities in Financial Analytics
- Program Summary and Conclusion

**ADVISORY BOARD MEMBERS****Prof. T. Rajeswari**

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Bengaluru, Karnataka

Dr. V. Selvaraj

Secretary- Primax Foundation
Bengaluru, Karnataka

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