Indian Institute of Materials Management, Bangalore

&

St. Joseph's Institute of Management, Bangalore

SUPPLY CHAIN ANALYTICS FOR PRACTICING PROFESSIONALS AND ACADEMICIANS

Four Months Live-Online Certificate Course

Course Commences December 2024

INTRODUCTION

Indian Institute of Materials Management, (IIMM) Bangalore Branch and St. Joseph's Institute of Management, (SJIM), Bangalore are jointly launching this 4 Month 'Live Online Certification Program in Supply Chain Analytics'.

The use of Data Analytics in Supply Chain Management for making informed decisions on Customer Delivery Performance, Demand Forecasting, Inventory optimisation and efficient and responsive Logistics Management, based on real-time data capture, is no more a choice for most businesses, post the pandemic. The urgency and speed with which most Supply Chains had to adapt and deploy technological advancements during Covid 19 could not be matched in upgrading the knowledge and skill developments of Supply Chain Professionals.

Recognising this gap and in keeping with our constant endeavour to support the SCM fraternity, IIMM, Bangalore and SJIM, Bangalore have designed this 4 Month Live Online Course which includes hands-on-exercises on Supply Chain Analytic topics for the benefit of practicing SCM Professionals and Academicians.

This course provides in-depth knowledge on applying data analytics techniques to solve complex supply chain problems. Through hands-on learning and expert mentorship, you will learn to leverage analytics tools like Power BI and build predictive and prescriptive models

IIMM, Bangalore has been successfully conducting its 6 Months Certification Course in Supply Chain Management over the past several years. Over 500 Supply Chain Professionals from several Private and Public Sector Organisations have successfully completed the Course and benefited from the insights and learnings from the Program. The current batch is the 30th batch for this course.

SJIM, Bangalore is one of India's premier B-Schools overseen by Jesuits with a 50 year Slegacy of nurturing responsible business leaders of unwavering integrity, ethical conduct and a strong commitment to society and the environment. Their 2 year Post Graduate Diploma in Management program offers specialization in Business Analytics along with the domains of Finance, Marketing, HR and Operations. Workshops for Corporates enable faculty research to be shared with companies.

Key Details :

▸ **Duration:** 4 Months
▸ **Start Date:** December 14, 2024. **Last Date for Application:** December 10, 2024
▸ **Class Schedule:** 6 Hours per Week, Weekend Classes, (Saturday/Sunday)
▸ **Attendance:** minimum 75% for attending final examination
▸ **Mode:** Live-Online
▸ **Assessment:** Online for each module
▸ **Capstone Project:** Industry-based real-world problem solving / Work on your own Data/ Evaluation through final Viva and Presentation
▸ **Certificate:** Upon Successful Completion
▸ **Cost :** Rs. 30,000/- + GST

Key Modules:

1. **Basics of Statistics and Data Management (Week 1- 2 – 12 Hours):**

   ▸ Understand foundational statistics concepts and their applications in analysing supply chain data.

   ▸ Data base management and SQL concepts for data management.

2. **Descriptive Analytics using Power BI (Week 3-6 – 20 Hours):**

   ▸ Learn to visualize supply chain data and derive insights using Power BI's capabilities.

   ▸ **Use Cases:** SCM Dashboard, Vendor Rating KPIs

3. **Predictive Analytics (Week 6-9 – 20 Hours):**

   ▸ Use statistical models and machine learning techniques to predict future trends in the supply chain.

   ▸ **Use Cases:**
      1. Predicting supplier lead times based on historical data and external variables.
      2. Demand forecasting

4. **Prescriptive Analytics (Week 9-12 – 20 Hours):**

   ▸ Learn to make actionable recommendations by modelling different decision scenarios and optimizing supply chain operations.

   ▸ **Use Cases:** Optimizing transportation routes, schedules, and facilities locations to minimize costs and delivery times.

5. **Capstone Project (Week 13 -16):**

   ▸ Apply all learned techniques to solve a real-world supply chain challenge / work with your own data under expert guidance by faculty

   ▸ **Project Examples:**
      1. Building a supply chain analytics dashboard for demand forecasting
      2. Optimize inventory with demand and lead time uncertainty
      3. Supplier Reliability

Tools Used:

▸ Power BI: For data visualization and descriptive analytics.

▸ Analytic Solver/ Rapid Miner / Orange: For building predictive models.

▸ Analytic Solver / Data Mining : For prescriptive analytics and decision-making.

What You'll Learn:

▸ Analyse supply chain data using descriptive analytics.

▸ Build predictive models to forecast demand, lead times, and other critical variables.

▸ Apply prescriptive analytics to optimize inventory levels, transportation, and supplier relationships.

▸ Develop dashboards that provide actionable insights to decision-makers.

Learning Aids:

▸ Set of Textbooks, Study Materials

Benefits of Live-Online Classes:

▸ **Interactive Sessions:** Engage with experts and peers in real-time.

▸ **Hands-on Projects:** Work on real supply chain data sets.

▸ **Mentorship:** Receive personalized feedback and guidance.

▸ **Flexibility:** Learn at your own pace with weekend classes.

Faculty

Instructors: Our instructors are industry/consulting veterans with years of experience in improving supply chain management using data analytics. They bring real-world insights and practical experience into the classroom.
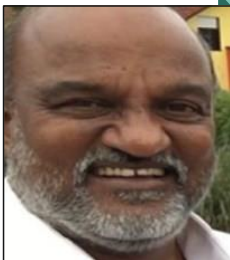
Kamalendu Sith is currently General Manager of Process Excellence and Digital Transformation at Gokaldas Exports Ltd. He brings with him over 17 years of experience in the field of Industrial Engineering, Lean Manufacturing, Sales and Operations Planning. He has post graduation degrees/certifications in Business Analysis and Intelligence from Texas University, EGMP from IIM, Bangalore, in advanced supply chain management and analytics from IIM Kanpur with an undergraduate degree in Garment Manufacturing Technology from NIFT.

Rajendra Desai is a certified consultant with M/s Frontline Systems Inc, USA a leader in providing Predictive and Prescriptive Analytics solutions for Industry. He has successfully executed consulting projects for diverse Industries to help them improve their operations through analytics solutions. He is currently Director (Training & Consulting) at SJIM and Senior Consultant at ISME, Bangalore.

Jayaraman B comes with over 35 years of experience with Bosch, L&T and ACC Babcock in the supply chain functions of purchasing and lean Logistics. His last role was as Senior General Manger at Bosch Limited, Bangalore. He has a B.E (Mechanical) NIT, Nagpur, Graduate Diploma in Management from AIMA and a Diploma in Business Administration, from XIME, Bangalore. He is currently an Independent Consultant in SCM & Lean Logistics and a Bosch Certified Trainer for Lean Production Systems.

Balachandran T S brings with him an experience of over 35 years with Bosch, HAL, Alloycast Foundry and Singpore based Engineering firms in supply chain functions like quality management and supplier development. His last role was Senior General Manager, Bosch Limited, Bangalore. He has a BE from REC Trichy, an MSc from IISc Bangalore and a PGDM from Essae Chandran – TAPMI. He is a Certified Auditor for QMS Systems for Nigel Baur UK.

Certification & Career Prospects

Certification:

Upon successful completion, you will receive a Joint Certificate from Indian Institute of Materials Management, Bangalore and St. Joseph's Institute of Management, Bangalore in Supply Chain Analytics.

Career Opportunities: Boost your career and demonstrate your ability to make data-driven decisions in any supply chain role. Theses roles maybe as Supply Chain Analyst, Operations Manager, Inventory Planner, Data Analyst for Supply Chain, Demand Planner in Manufacturing, Retail, E-commerce, Logistics.

Link for application:

https://forms.gle/wqzLY8791CNm5jeR9

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