

PROGRAM INFORMATION FORMAT

Course Name	Professional Certificate Programme in Advanced Operations Analytics and Supply Chain Management (with Six Sigma Yellow Belt)
Course Name as on Certificate	Professional Certificate Programme in Advanced Operations Analytics and Supply Chain Management (Six Sigma Yellow Belt Certified)
Certificate Issued by	IIM Jammu
Institute	Indian Institute of Management Jammu
Introduction	This program is designed to equip participants with analytical tools and techniques essential for efficient operations and supply chain management, while also enabling them to achieve Six Sigma Yellow Belt certification. It blends analytics, process improvement, and strategic supply chain thinking to drive operational excellence. Participants will gain hands-on exposure to industry-grade software tools such as Minitab 21, JMP Pro (SAS), SigmaXL, EngineRoom (MoreSteam), Microsoft Power BI, QI Macros (Excel Add-in), Tableau, SmartDraw, and Lucidchart to conduct data analysis, visualize processes, and drive actionable insights.
Course Objectives	Develop a solid understanding of operations and supply chain analytics. Master Six Sigma Yellow Belt concepts for process improvement. Apply data-driven decision-making models to real-world supply chain and operations challenges using tools like Minitab 21, JMP Pro, and SigmaXL. Enhance operational efficiencies through advanced analytical frameworks supported by visualization software such as Tableau and Power BI.
Eligibility	Graduates, postgraduates, and working professionals interested in operations, supply chain, analytics, and quality management.
Program Prerequisites	Basic understanding of statistics, business operations, and a willingness to learn data-driven techniques.
Target Segment/ Who Should Attend	Supply chain and operations professionals, Manufacturing and service industry executives, Business analysts and consultants, Entrepreneurs and startup founders in logistics and supply chain sectors, Engineering and management students aspiring for careers in operations and analytics
Type of Certificate	Professional Certificate with Six Sigma Yellow Belt Certification
Total No. of Hours	45
Fee	45000+ 18% GST
Date	15/7/2025 to 15/9/2025
Mode	Online
Pedagogy	Interactive lectures Hands-on workshops and simulations using Minitab, EngineRoom, and QI Macros for DMAIC cycle applications Case studies and real-world projects, analyzed using Power BI and Tableau dashboards Guest lectures by industry experts (including foreign industrialists) Group discussions and peer learning, supported with SmartDraw/Lucidchart for process flow visualization
Course Content	<ol style="list-style-type: none"> 1. Introduction to Operations Analytics 2. Supply Chain Fundamentals and Strategy 3. Data Analysis and Interpretation for Operations 4. Lean Management Principles 5. Six Sigma Yellow Belt Training (DMAIC Framework using Minitab, QI Macros, and EngineRoom) 6. Inventory and Demand Forecasting Models (Modeling via Excel + Power BI integration) 7. Process Mapping and Value Stream Analysis (Visualized via SmartDraw and Lucidchart) 8. Logistics and Network Optimization (Scenario analysis using Tableau) 9. Predictive Analytics in Supply Chains 10. Basics of Data Collection and Measurement Systems (Minitab for GR&R and capability studies) 11. Root Cause Analysis and Basic Statistical Tools 12. Process Mapping and Process Improvement Techniques (Lucidchart and SmartDraw) 13. Control Mechanisms and Sustaining Improvements (Real-time tracking via Tableau dashboards) 14. Overview of Six Sigma Green Belt and Career Pathways 15. Capstone Project: Real-life Supply Chain Case Study using full software stack for analysis and presentation

Key Programme Highlights/USP	Certification from a prestigious institute, Includes globally recognized Six Sigma Yellow Belt Training, Live projects and case-based learning, Hybrid delivery for flexible learning , Sessions by senior industry leaders and international experts, Career guidance for roles in operations analytics and SCM, Access to specialized simulation tools and software (Minitab, JMP Pro, SigmaXL, Power BI, Tableau, Lucidchart)
Program Directors	Dr. Sourav Mondal , Dr. Kapil Gumte , Dr. Atanu Bhuyan
Key Attractions for sessions	Expert in Sustainable Supply Chains, Specialist in Global Operations Strategy, Leader in Lean Six Sigma Implementation

