



सिद्धिमूल प्रबन्धनम्
भा. प्र. सं. इन्दौर
IIM INDORE

भारतीय प्रबंध संस्थान इंदौर INDIAN INSTITUTE OF MANAGEMENT INDORE



LEAN SIX SIGMA FOR BUSINESS EXCELLENCE

Date: December 08 - 12, 2025 Venue: IIM Indore Campus

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Programme Overview

Global competition and increasingly discerning customers are driving businesses to optimize operations and streamline supply chain processes to deliver high-quality products faster. Lean Six Sigma (LSS) is a practical, application-oriented approach that integrates Lean's waste reduction with Six Sigma's focus on minimizing variability and defects to enhance process efficiency and quality. Originating from the Toyota Production System (TPS), Lean emphasizes eliminating non-value-added activities, while Six Sigma targets process variations that lead to defects. The DMAIC methodology - Define, Measure, Analyze, Improve, and Control - provides a structured framework for problem-solving and continuous improvement. Widely adopted across industries such as manufacturing, healthcare, finance, and services, LSS helps organizations streamline operations, reduce waste, and improve customer satisfaction. The course offers an insight into these.

Objectives

- To develop a foundation in Lean and Six Sigma philosophies to obtain an ASQ (American Society of Quality) certification in future.
- To introduce and discuss characteristics of Toyota Production System (TPS) practices and introduce various elements and guiding principles of lean system.
- To understand process flow and value stream mapping and its role in waste reduction.
- To help in designing the road map for JIT implementation and understanding the various issues involved in linking suppliers to customers through JIT delivery.
- Develop the skills to lead process improvement projects, perform detailed data analysis and apply Six Sigma tools, including statistical process control.
- Understand the flow and objectives of each of the DMAIC (Define, Measure, Analyze, Improve and Control) problem-solving steps.
- Use real-life case studies to understand practical applications of Six Sigma tools.
- Apply Six Sigma critical tools and techniques to eliminate defects and reduce process variation.

Content

The course will cover the following topics:

1. Introduction to Lean Six Sigma (objectives, historical significance)
2. 6σ DMAIC Process: Definition (project charter, voice of the customer, CTQs, SIPOC)
3. 6σ DMAIC Process: Measurement (data collection, MSE, Bias, Gage R&R, baseline, process capability, toyota production system (TPS), TPS principles, waste, pull system, Kanban, Heijunka, value stream mapping)
4. 6σ DMAIC Process: Analysis (root cause identification, validation, graphical tool and statistical technique, hypothesis test for validation)
5. 6σ DMAIC Process: Improvements (solutions to root causes and CTQs, improvement tools, solution selection matrix, FMEA)
6. 6σ DMAIC Process: Control and Application (control plan, control charts, Poka-yoke, Project closer)
7. Integrated Case and Industry Application (real life case studies).

Who Can Participate in the Programme?

Higher level, Middle management and Junior level managers who are involved/responsible for planning and implementation of improvement and operation excellence projects, including consulting work in the supply chain.

Fees

The fee for the programme is INR 90000 /-* per participant. This includes course material, a room on twin sharing basis and board expenses. GST, as applicable, will be additionally charged.

Discount

An organization sponsoring five or more participants to a Management Development Programme (MDP) will be entitled to a group discount of 10% on the total fee payable, provided that at least five participants actually attend the programme. If the actual participation is less than 5, a refund may be made after deducting the full fee of the actual number of participants who attend the training programme. The group discount will be applicable only to short duration programmes of up to 20 days.

Registration

Participants are generally sponsored by their organizations. However, applications by individuals may also be accepted. A formal communication regarding the acceptance of nomination/application will be sent to nominees prior to the commencement of the programme. Nomination form(s) and programme fees as paid through Electronic Fund Transfer must reach the MDP Office 15 days prior to commencement of the programme.

Accommodation

Participants opting for accommodation at Indore will be provided a room on a twin sharing basis in furnished, air-conditioned rooms. Accommodation is provided from noon on the day before the first day of the program, until noon on the day after the last day of the program. If a participant desires accommodation on a single occupancy basis, the same may be provided on request, on a first-come-first-served basis, subject to availability and applicable accommodation charges.

Executive Education Alumni Status at IIM Indore

Participants who successfully complete the programme will be eligible for the Executive Education Alumni status at IIM Indore. Any eligible participant is required to apply separately and deposit the necessary fee of Rs. 1,000/- + GST @18% per person (for a two year alumni status) and Rs. 10,000/- + GST @18% per person (for a lifetime alumni status) to register his/her name with the IIM Indore Executive Education Alumni.

Benefits of becoming IIM Indore's Executive Education Alumni include:

- a) Subscription to the brochures and newsletters from IIM Indore.
- b) Access to the IIM Indore Campus Library (on-site access only).
- c) Access to the official email ID of the institute.

Faculty Coordinator

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About IIM Indore

Indian Institute of Management Indore (IIM-I) is an autonomous public business school located in Indore, Madhya Pradesh, India. IIM Indore has received the prestigious Triple Crown accreditations - first from the Association of MBAs, AMBA in 2016 (a UK-based accreditation agency), second from the AACSB in 2019, and third from the EFMD Quality Improvement System (EQUIS), the globally recognized international organization for management development, in December 2019. IIM Indore is the second IIM in India to receive these triple accreditations.

National and International Rankings

IIM Indore, due to its consistent efforts in improving academic standards and achieving academic excellence in all its programmes, has achieved commendable rankings by various National and International ranking agencies. Presently, IIM Indore is ranked 8th in the NIRF ranking (a Ministry of HRD, Government of India initiative), 61st globally in the Executive Education (Open) programmes and 85th globally in the Executive Education (Customized) programmes in the FT Ranking and 25th rank (Asia) in QS World Rankings for our global MBA.



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