



INDIAN STATISTICAL INSTITUTE
SQC & OR Unit
Bangalore



Announces

Online (Weekend) Program
on
Operations Management
(OM-01)

18-19, 25-26 July, 2026



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INTRODUCTION

In today's volatile market, superior resource management is a prerequisite for organizational success. This course provides a strategic framework for optimizing the production and delivery of high-quality goods, ensuring maximum operational efficiency and logistical precision. The curriculum covers fundamental operational concepts and global best practices, including operations research, linear and integer programming, productivity metrics, and forecasting. Students will gain deep insights into project management, inventory control, and the optimization of internal processes and supply chain networks. Participants will enhance their professional expertise in quality assurance and inventory systems while mastering key analytical software—such as Excel, LINGO, and Minitab. This technical proficiency enables data-driven decision-making and provides quantitative methods to resolve complex operational challenges effectively.

PROGRAM HIGHLIGHTS

- **Comprehensive Operations Management:** Master the end-to-end process, including optimization, supply chain, inventory, and quality assurance.
- **Methodological Expertise:** Develop a robust toolkit of analytical methods to identify and resolve complex operational issues.
- **Advanced Technical Proficiency:** Gain hands-on experience with Minitab for rigorous data analysis and statistical modeling.
- **Applied Industry Learning:** Bridge the gap between theory and practice through the analysis of real-world business case studies.

VENUE AND TIMINGS:

- The Sessions shall be held at **Online Session**
Date: 18-19, 25-26 July, 2026
Time: 10.00 hrs to 17:30 hrs.

ELIGIBILITY:

- Diploma/Degree holder in any discipline or students/faculties, and Industry Personnel are eligible to apply.
- Online examination will be conducted at the end of the program, and successful candidates will be issued the certificate.

TOPICS COVERED:

Day 1
<ul style="list-style-type: none">▪ Introduction to Operations Research▪ Linear and Integer Programming▪ Linear and Integer Programming Models▪ Hands-on Exercises and Case Studies using Software
Day 2
<ul style="list-style-type: none">▪ Introduction to Operations Management▪ Productivity Performance in Operations▪ Basic Statistics & Forecasting in Operations▪ Hands-on Exercises and Case Studies using Software
Day 3
<ul style="list-style-type: none">▪ Project Management in Operations▪ Inventory Management in Operations▪ Quality Management In Operations▪ Hands-on Exercises and Case Studies using Software
Day 4
<ul style="list-style-type: none">▪ Quality Control in Operations▪ Operations Optimization▪ Supply Chain Optimization▪ Hands-on Exercises and Case Studies using Software

PARTICIPATION FEE: INR 12,000/- per head (+ 18% Tax)

(Note: This comes to a Total of **INR 14,160/- with tax**)

- NOTE:**
- 1. Total fees (+ Taxes) to be paid in full along with the application**
(Refer to Page 2 of the Registration Form for details).
 - 2. For information on Registration,** refer to Page 2 of the Registration Form.
 - 3. Mode of Payment:** Through bank transfer **only**.

PROGRAM DIRECTOR:

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INDIAN STATISTICAL INSTITUTE

- ❖ The **Indian Statistical Institute** is a quasi-central organization under the Ministry of Statistics and Program Implementation.
- ❖ It is declared by an **Act of Parliament** as an **Institute of National Importance**.
- ❖ Over the years the Institute has grown as a multi-disciplinary organization.
- ❖ It functions as a **university** empowered to award degrees up to D.Sc.; as a **corporation** in undertaking large scale projects; as a **Firm of Consultants** to industries to improve Quality, Reliability and Efficiency and as a **Meeting place** of Scientists, Economists and Literary figures from all parts of the world.
- ❖ For further details, please visit the website **www.isibang.ac.in/**
www.isical.ac.in

Role & Function of SQC & OR DIVISION, ISI

- ❖ The **pioneer and leader** in blending **statistical theory with practice** and institutionalizing the **continuous improvement process** into a sustaining system.
- ❖ To strengthen **national economy** through continual search for excellence in Quality.
- ❖ To disseminate the basic concepts and **techniques for Quality Improvement** by organizing Training programs, Workshops and In-house programs.
- ❖ To develop **highly skilled professionals** capable of self actualization.
- ❖ To help industries in their efforts to cope up with the growing challenge of global competition through Implementation of quality system based on **ISO-9000 series, ISO-14000, TS- 16949-2002 standards, Lean Six Sigma & World Class Manufacturing**.
- ❖ To continually develop and improve methodologies through **applied research** efforts to attain International Standards in services provided.
- ❖ To provide **solutions to the problems** pertaining to the entire gamut of complex Business Decision Processes with the aid of **Statistics and Operations Research**.