



INDIAN STATISTICAL INSTITUTE
SQC & OR Unit
Bangalore



Announces

Online Program
on

Root Cause Analysis
(RCA-01)

13, 14 & 20 December, 2025



Indian Statistical Institute,
8th Mile, Mysore Road,
Bangalore - 560 059, INDIA

Phone: +91 8811940517

Web: www.isibang.ac.in

E-mail: jagadish@isibang.ac.in

INTRODUCTION

- The demand for Root Cause Analysis (RCA) has been steadily increasing across various industries due to the growing emphasis on quality management, operational efficiency, and risk mitigation.
- This training program is designed to provide individuals with the necessary skills and methodologies to identify the underlying causes of problems within the manufacturing or service organization. Also, for the organizations committed to Continual Improvement of their Quality Management System.
- This training program typically starts with an introduction to the fundamental principles of RCA with various tools, explaining its importance in improving processes and preventing recurring issues.

PROGRAM HIGHLIGHTS

- This training program provides the fundamentals and principles of RCA, along with various RCA methods/tools and their importance in solving the problem.
- Understand & usage of various RCA methods/tools to identify the problem, analyzing the potential causes, correcting and eliminating causes of quality problems to prevent recurrence.
- Usage of software package like Minitab for analysis.
- Discussion of real life case studies.

VENUE AND TIMINGS:

- The Sessions shall be held at **Indian Statistical Institute, Bangalore**
(Online Session)
Date: 13-14 & 20, December 2025 (*3 days*)
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
▪ Introduction to RCA & Principles ▪ TQM & 8D Approach ▪ Data Planning & Collection ▪ RCA-Graphical Tools ▪ RCA-GEMBA, 5-Whys, FMEA, FTA ▪ Exercise using Minitab Software
Day 2
▪ RCA-Methods ▪ RCA-Control Charts ▪ RCA-Tests of Hypotheses ▪ ANOVA ▪ Correlation & Linear Regression ▪ Exercise using Minitab Software
Day 3
▪ Multiple Linear Regression ▪ RCA-DoE ▪ Exercise using Minitab Software

PARTICIPATION FEE: INR 10,000/- per head (+ 18% Tax)

(Note: This comes to a Total of INR 11,800/- 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:

Dr. Jagadish
SQC & OR Unit
Indian Statistical Institute
8th Mile Mysore Road
Bangalore-560059

Web: www.isibang.ac.in
E-Mail: jagadish@isibang.ac.in
Mobile: +91-8811940517

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**.