

# SIX SIGMA - GREEN BELT



17<sup>th</sup> May to 15<sup>th</sup> June, 2024



## About TSIC – TATA Steel Industrial Consulting

Tata Steel Industrial Consultancy (TSIC) is Tata Steel's maiden foray in the consulting space, where our goal is to co-create solutions to complex problems both strategic and tactical in nature, by leveraging more than a century of experience of successfully running India's first mega factory and evolving into a light house of Indian industry today.

TSIC currently has 50+ organizations added to its clientele, and it has been providing organizations with numerous consultation services in the fields of:





# TQM Programs

TQM - Total Quality Management is one of the core competencies of the organization helping it stay focused on its True North. The systematic approach towards improving / innovating products, processes and services has ensured TSL's leadership position in the marketplace. Tata Steel runs its own TQM Academy with the help of in-house experts to continuously enhance people's capability thereby creating experts of tomorrow!

With a vision to create ambassadors for the journey of business excellence In the last 5 years, ~ 700+ people have been groomed under the aegis of the ambitious TQM Academy through classroom-based training programs.



**1. Quality circles concept:**  
(Aims to enhance the ability to solve shop floor problems)

- » Introduction to Quality Circles
- » 12 steps problem-solving methodology
- » 7 QC tools
- » Quality Control Technique



**2. Daily Management:**  
(Aims to enable consistent performance through a stable process)

- » Deciding right KPIs
- » Monitoring of KPIs
- » Abnormality analysis
- » Review (stability & conformity)



**3. QA & QMS:**  
(Aims to enhance the ability to implement Quality Assurance practices)

- » Cost of Quality
- » QA Standardization, QMS
- » Elements of QMS, IATF pillars
- » MSA, SPC, QFD, QA Audit



**4. Internal auditor's training on integrated management system:**  
(Aims to strengthen the deployment of IMS)

- » Risk-based thinking
- » Process approach
- » Standard requirements
- » Auditing technique



**5. Problem-solving:**  
(Aims to enhance the ability to solve complex problems)

- » Yellow belt
- » Six Sigma Green Belt
- » Six Sigma Black belt
- » DMAIC
- » Hypothesis Test
- » Modelling & Simulation techniques



## About The Program

Six Sigma is a systematic implementation of statistical techniques to minimize variances and achieve exceptional outcomes in business operations.

### Program Objectives

To enhance proficiency in solving intricate problems by utilizing advanced statistical tools



To guide participants toward making decisions based on factual information



### ACHIEVE INDUSTRY-RECOGNIZED CERTIFICATIONS

1. Evaluation at the end of each Module
2. Minimum 70% score requirement in each test for certification qualification
3. After the training program, participants must undertake and finalize an improvement project utilizing the DMAIC methodology. The completed projects will undergo a comprehensive evaluation by a panel of experts
4. Course completion certification based on successful project completion and examination qualification requirements

### Course Topics:

1. Problem Formulation
2. Project Charter
3. SIPOC (Suppliers, Inputs, Process, Outputs, Customers)
4. Measuring CTQ (Critical to Quality)
5. 7 QC Tools (Quality Control Tools)
6. Measurement System Analysis
7. Stability & Normality Analysis
8. Process Capability: CP & CPK
9. Hypothesis Testing: Parametric
10. Modelling Techniques: Multiple Linear Regression
11. Design of Experiments
12. Statistical Process Control
13. Hands-on Exercise on Analytical Tools

## Who Should Attend

- ✓ A minimum of two years' experience in the industry is required
- ✓ Complex projects to be worked on by participants

## Talk To Our Program Enrolment Team

We have a dedicated team to help guide you through the application process and related matters. They are available to:

- ✓ Address questions related to the application
- ✓ Give you a better understanding of the program and answer your queries (if any)

**Upon completion of the program you will receive a certificate from TSIC and complimentary access to our TQM E-learning modules**

### Program Schedule

From  
17<sup>th</sup> May to 15<sup>th</sup> June,  
2024

### Duration

16 hours  
(Scheduled for 4 hrs. every week)  
13 hrs. of TQM E-Learning

### Delivery Mode

(Online Live)

### Program Fees

INR 12,000/- per participant  
+ applicable tax

To apply for the program you will have to fill an **application form**.

Please write to **tsic@tatasteel.com**, your application will be reviewed and to be notified for further **registration process**.

10% discount for 3 or more participants from same organization.

The fees can be paid through **DD or NEFT** in favour of **"Tata Steel Ltd."**

**Registration is on first come, first served basis**

For further details and registration, please contact:

**Jatin Sabharwal: +91 98182 88636 | jatin.sabharwal@tatasteel.com**

Company sponsored & Group enrolment discounts are available.

Fee is non-refundable post registration confirmation.

### The Program Fee Includes:

» Teaching sessions, cases, certificate, other reading material and E-learning module

**Disclaimer:** While every effort will be made not to change the dates of application or class start date, TSIC reserves the right to modify the schedule in case of extenuating circumstances