

# ★ CERTIFIED LEAN SIX SIGMA YELLOW BELT PROGRAM

*Build a Strong Foundation in Process Improvement, Waste Elimination & Data-Driven Thinking*

Government of India Certification · MSME-TDC, Chennai

## 1. PROGRAM OVERVIEW

The **Lean Six Sigma Yellow Belt Program** builds a strong foundation in **process improvement, waste elimination, and basic data-driven thinking**. Ideal for beginners, freshers, and professionals starting their Lean Six Sigma journey.

**Participants will gain the ability to:**

- ✓ Understand processes using  $Y = f(X)$  thinking
- ✓ Support and contribute to DMAIC projects
- ✓ Identify waste and process inefficiencies
- ✓ Apply basic problem-solving tools effectively

Delivered through **LIVE interactive sessions** with case studies & practical exercises — concluding with a **Government of India certification examination**.

## 2. SYLLABUS

### MODULE 1

### HISTORY & INTRODUCTION

Evolution of Quality Management · History of Motorola & Six Sigma · History of Toyota & Lean · Lean vs Six Sigma vs Lean Six Sigma · Process Thinking & Systems Approach · Benefits of Lean Six Sigma

### MODULE 2

### LEAN SIX SIGMA FRAMEWORK

7 Wastes (Muda) · Concept of Variation · DMAIC Methodology Overview · DFSS (DMADV) Introduction · Belt Levels & Roles · Overview of Tools

### MODULE 3

### CORE CONCEPTS OF SIX SIGMA & LEAN

Meaning of Six Sigma (Accuracy, Consistency, First Time Right) · CTQ (Critical to Quality) · DPMO Concept with practical examples · Defects vs Defectives · Lean Thinking: Value vs Non-Value Added · Cost of Quality (Prevention, Appraisal, Failure)

### MODULE 4

### BUSINESS & PROCESS THINKING

Operational Excellence · Traditional vs Lean Six Sigma Thinking · Requirements for Competitiveness · Chain of Causation · Process Approach:  $Y = f(X)$

### MODULE 5

### DEFINE PHASE

Objective & Importance of Define Phase · Pareto Analysis & Stratification · Project Charter (6 Key Elements)

**MODULE 6****MEASURE PHASE**

Objective of Measure Phase · Data Types (Continuous vs Discrete) · Data Collection Plan · Operational Definitions · Basic Measurement System Understanding · Baseline Performance: FPY & DPMO

**MODULE 7****ANALYZE PHASE**

Objective of Analyze Phase · Root Cause Identification (Why-Why, Fishbone) · Prioritization (Impact-Control Matrix) · Scatter Plot & Correlation

**MODULE 8****IMPROVE & CONTROL PHASE**

Improve Phase Objective · Solution Identification & Selection · Control Phase Objective · Standardization & Sustenance · DMAIC Flow Summary

**3. PROGRAM DELIVERY****Mode**

Live Online / Classroom

**Tools**

Basic Excel

**Method**

DMAIC Framework

**Support**

Case Studies & Exercises

**4. CERTIFICATION EXAMINATION****25**

MCQ Questions

**60%**

Passing Score

**Zero**

Negative Marking

**Govt. of India**

MSME-TDC Certificate

**5. LEAD FACILITATOR****Prof. Dr. Gopal Sivakumar**

**Founder & CEO — Vision Excellence Consulting Pvt. Ltd.**

*Lean Six Sigma Master Black Belt · Trainer · Consultant · Academician*

20+ years of experience in teaching, research, training, and industrial consulting. Trained thousands of professionals across Lean Six Sigma, Root Cause Analysis, 5S, Operational Excellence, and Continuous Improvement.

**Academic Qualifications:** Ph.D – Mechanical Engineering · M.Tech – Industrial Engineering · B.E – Production Engineering

104 batches of Lean Six Sigma Yellow Belt

128 batches of Lean Six Sigma Green Belt

103 batches of Lean Six Sigma Black Belt

9 batches of Master Black Belt

**6. WHO SHOULD ATTEND****7. KEY LEARNING OUTCOMES**

Students & Freshers

✓ Understand Lean & Six Sigma fundamentals

Entry-level Professionals

✓ Identify process inefficiencies

Engineers & Executives

✓ Interpret basic performance metrics

Anyone starting the Lean Six Sigma journey

✓ Support DMAIC improvement projects

## 8. HOW TO REGISTER

### STEP 1

Check the [upcoming schedule](#) and ensure your availability for **LIVE sessions**.

### STEP 2

Pay via **Credit/Debit Card** at checkout, or **Bank Transfer** — SBI Guindy, A/C: 39868874350, IFSC: SBIN0000956, or **UPI via QR code** (see note below).



### STEP 3

Share payment confirmation with **9087888225** and join the official WhatsApp group, or email [info@visionexcellence.in](mailto:info@visionexcellence.in).

### STEP 4

Fill the **application form** and collect your **course material**.

### STEP 5

Attend **LIVE interactive training sessions** & appear for the **online certification examination**.

### STEP 6

Receive your **Lean Six Sigma Yellow Belt Certificate via post** — Government of India recognised.

## SAMPLE CERTIFICATE



## 9. ABOUT VISION EXCELLENCE

★ 4.9

1500+ Google Ratings

🏆 Award Winner

Best Institution – Lean Six Sigma Training

10+

Industries Served

Industries: Manufacturing · Automotive · Electronics · Healthcare · Banking & Financial Services · IT & Technology · Logistics & Supply Chain · Education · Retail · Government

The award was presented by **Dr. Justice S. TamilVanan** recognising Vision Excellence's sustained excellence in Lean Six Sigma training across India. ► [Watch on YouTube](#)

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