



A Training Programme on Theory of Constraints (ToC), Lean and Six Sigma (TLS)

Kaizen

Manufacturing

Lean
6 σ

Project

Six Sigma

Process

DMAIC

INSIDE INFORMATION

1. Introduction
2. Course Objectives
3. Why Should Attend?
4. Course Material
5. Certification
6. About Us
7. Course Outline
8. Dates and Venue
9. Course Fee and Registration
10. Important Dates
11. Terms and Conditions
12. Registration Form

Date and Venue

6th - 9th August, 2018

National Institute of Technical Teachers'
Training and Research (NITTTR),
Shamla Hills, Bhopal (M.P.) 462002

Programme Coordinator

Prof. B. L. Gupta

Professor, *Department of Management,*
blgupta@nitttrbpl.ac.in, badrilalgupta72@gmail.com

A Training Programme on Theory of Constraints (ToC), Lean and Six Sigma (TLS) The New School of Thought for Organizations Exponential Growth

1. Introduction

Dr. Juran had predicted that 20th Century was the century of “productivity” but 21st Century will be the century of “QUALITY” (Product Quality & Service Quality). The World Market has indeed enabled this prediction to come true. Traditional business management courses often miss out this aspect which is a critical requirement, today, in both manufacturing and service businesses.

Globalization and liberalization have caused a major change in the way businesses are managed. Organizations do not have the time, nor can they afford the cost, to make mistakes. They need to be right, the first time and right every time.

This has led to the need for a new breed of managers who were trained on different School of thought; Lean, Theory of Constraints (TOC) and Six Sigma to meet the future management challenges of achieving product / service standardization, process-optimization, removing constraints, proactive working methodologies and customer delight. The theme of TOC is eliminating bottlenecks, the theme of Lean is eliminating waste and none value added activity (NVA) and the theme of Six Sigma is eliminating variation. Each School of thought have proven their effectiveness, otherwise they simply wouldn't exist. In combination (TLS) they collaborate and the organization's Growth is Exponential.

TLS is rigorous adherence to proven methodologies, tools and techniques that will enable a leader to confidently solve Process problems using data driven approaches so that the problems stay solved.

2. Course Objectives

- To provide comprehensive understanding of Lean, Six Sigma and Theory of Constraints (ToC) concepts & benefits
- To trigger TLS thinking in leadership to addresses cost accounting, waste, NVA, variations and performance measurements
- To provide a framework on how to implement TLS in your organization?
- To provide an insight into how profits can be maximized through integration of three disciplines

3. Who Should Attend?

- Senior Managers
- Business Process Managers
- Project Managers
- Operation Managers
- HR Managers
- Accounts Managers & Financial Analysts
- Engineers and MBAs

4. Course Material

Course kit comprising detailed course material will be provided to each participant.

5. Methodology & Certification

A judicious mix of class room presentations, exercises, group discussion, case studies and hands-on practice will be used. Participants will be encouraged to relate the learning to live situations. Participants who successfully complete the continuous assessment during the course and also the written examination conducted on last day of the course will be issued a certificate.

6. About Our Faculty

Our Lead faculty for this course Prof. Narendra Vishwarup has more than 20 years of Industrial experience in varied & diversified engineering fields and . He is an engineer, Certified ZED Master Trainer from Quality Council of India (QCI), Lean Six Sigma Black Belt from Six Sigma Advantage Inc., USA, Lean Six Sigma Lead Auditor with Lean and Six Sigma Society of Professionals (LSSSP), Australia, ASCB (E) – UK approved Faculty for Lean Six Sigma courses and PMI trained professional. For past several years he has been disseminating knowledge as a trainer and consultant in field of quality standards like ISO 9001, TS 16949, Project Quality Management, Lean Six Sigma, Lean manufacturing, TQM, JSS-55555, BS, IEC and rules of classification society. He has trained more than 10,000 students and professional on variety of subjects including Lean, Six Sigma Black Belt, Green Belt, Yellow Belt & White Belt certification courses, ISO 9001, ISO14001, TQM, Kaizen, 5- S, Lean Manufacturing, Retail Management, Fashion Design Management, Customer Service Management, Leadership, Attitude, Interpersonal and Soft skills.

7. Course Outline

Introduction and Foundation

- What is Quality? q Vs. Q approaches to Quality
- Why do we need quality? And how do we achieve it?
- What is a process?
- The PDCA cycle
- What, Why & How of Six Sigma? & Concept of Six Sigma
- Introduction to Lean ,5S and Kaizen
- Understanding Variations
- Basics of Statistics and its application as management tool
- Process and Cost of Quality and its impact on profitability
- DPU, DPMO & Sigma Level calculation
- Introduction to DMAIC Methodology
- Six Sigma Roles

Tools and Techniques

- Process Approach, CTP, Dashboard & The 7 QC Tools
- VOC, CTQ, Keno Model & FMEA
- DMAIC Methodology for process improvement in details & DMAIC Case Studies
- Problem solving using PDCA
- Introduction to Minitab and Inferential Statistics

Lean

- Lean Overview & Lean Methodology
- Lean View Offers improvement ideas
- Lean Advance Tool kit & Lean Deployment

Theory of Constraint

- TOC: Strengthening Your "Weakest Link" & System as a Chain
- 4 Assumptions of TOC & its overview
- TOC System & System Thinking

Integrating 3 Disciplines

- Integrating 3 Disciplines Theory of Constraint, Lean & Six Sigma (TLS)
- Self-reading Material to ruminate the Learning

8. Dates and Venue

6th -9th August, 2018,

National Institute of Technical Teachers' Training and Research (NITTTR),

Shamla Hills, Shanti Marg, Bhopal (M.P.)- 462002

9. COURSE FEE AND REGISTRATION

Course fee -The institute will charge Rs.12440.00 per person which includes the cost of Registration kit, working lunch, two teas and snacks, and certificate fee. Participants are requested to deposit the amount through RTGS in the account of Director NITTTR, Bhopal, Canera Bank, NITTTR, Bhopal Branch, IFSC Code CNRB0003765 Account No 3765101000142, PAN AABAR 2266H, or through demand draft drawn in favour of Director NITTTR, Bhopal payable at Bhopal.

Participants will have to make their own travel boarding and lodging arrangement.

Registration – Participants are requested to fill up the registration form and mail it to coordinator of the workshop along with course fee. All participants will get confirmation by 30th July 2018 by email.

10. Important dates

1. Participants application for registration – 5th July 2018
2. Invitation to participants by coordinator to deposit the fee Rs 12440.00 – 15th July 2018
3. Confirmation to participants – 30 July 2018

11. Terms and conditions

1. NITTTR, Bhopal will provide working Lunch and two time tea and biscuits during the conference time.
2. In case of cancellation of participation before 30th July 2018 Rs 2000.00 will be deducted and remaining amount will be refunded.
3. Fee will be charged from participants of all types of technical institutes including government institutions, industry participants, research scholars etc
4. If programme is cancelled by NITTTR Bhopal full amount will be refunded
5. No local transport facility will be arranged by NITTTR Bhopal
6. No accommodation will be arranged by NITTTR, Bhopal



PROGRAMME ORGANISATION CELL

Form No. F/TR/03

Rev. No 01

REGISTRATION FORM

(To be filled in by the participant in **CAPITAL** letters)

NAME OF THE PROGRAMME: A Training Programme on Theory of Constraints (ToC), Lean and Six Sigma (TLS)

DURATION OF THE PROGRAMME: 06-09 August, 2018

PROGRAMME CODE: _____

COORDINATOR OF THE PROGRAMME: PROF. B. L. GUPTA

NAME OF THE PARTICIPANT: _____

FATHER'S / HUSBAND'S NAME: _____

NAME OF YOUR ORGANISATION: _____

STATE: _____

DESIGNATION: _____

AREA OF SPECIALISATION: _____

TYPE OF THE INSTITUTION: IF FROM GOVT./GOVT. AIDED INSTITUTE,

WHETHER THE PARTICIPANTS FROM SELF FINANCED PROGRAMME: _____

QUALIFICATIONS (GRADUATION&ABOVE) : _____

EXPERIENCE IN YEARS: TEACHING _____ **OTHER:** _____

RESIDENTIAL ADDRESS: _____

_____ **CITY** _____ **PIN** _____

SEX: MALE () FEMALE () **CATEGORY:** GENERAL () OBC () SC () ST () PH ()

PHONE NO. (Office) _____ **(Residence)** _____

FAX NO. _____ **E-MAIL:** _____

MOBILE : _____

REMARKS (If any, by NITTTR Official) _____

SIGNATURE OF THE PARTICIPANT