National Productivity Council

NATIONAL PRODUCTIVITY COUNCIL
DPIIT, UNDER MINISTRY OF COMMERCE AND INDUSTRY, GOVT. OF INDIA

PRESENTS:

5 DAYS ONLINE TRAINING SERIES ON

"DATA ANALYTICS FOR LEAN SIX SIGMA USING MINITAB"

DATE & TIME:

15th, 16th, 17th, 18th, 19th of November 2021 (Monday, Tuesday, Wednesday, Thursday & Friday) at 11.00 AM to 1.00 PM

ABOUT THE COURSE:

➢ Welcome to this course on Data Analytics for Lean Six Sigma. In this course you will learn data analytics techniques that are typically useful within Lean Six Sigma improvement projects.

➢ At the end of this course, you can analyse and interpret data gathered within such a project. You will be able to use Minitab to analyse the data. It will also briefly explain what Lean Six Sigma is.

➢ It will emphasize on use of data analytics tools and the interpretation of the outcome.

➢ It will use many different examples from actual Lean Six Sigma projects to illustrate all tools.

➢ It will not discuss any mathematical background. The setting we chose for our data example is a Lean Six Sigma improvement project. However, data analytics tools are very widely applicable.

➢ So, you will find that you will learn techniques that you can use in a broader setting apart from improvement projects.

➢ Hands on experiencing of handling and visualizing data through Minitab Software.

➢ Hope that you will enjoy this course and good luck!

SESSION TAKEAWAYS:

Day-1
- **Introduction to Lean Six Sigma & Data**
- Why Six Sigma
- QC tools in Lean
- Data types and uses of data
- Introduction to Minitab & Its Installation.

Day-2
- **Explanatory Analysis**
- Measures of Central Tendency
- Measures of Dispersion
- Common Graphical Plots

Day-3
- **Probability Distribution**
- Normal Distribution
- Uniform Distribution
- Beta Distribution
- Binomial Distribution
- Poisson Distribution

Day-4
- **Inferential Statistics**
- Confidence interval estimation and its impact on decision making
- Parametric Tests
- Non- Parametric Test

Day-5
- **Predictive Analysis**
- Correlation
- Simple Linear Regression
- Multiple Regression
- Logistic Regression
- Introduction to Time Series

EXPERT SPEAKER PROFILE:

Mr. Amit Kumar
B.Tech, MBA (Finance & Operations)
Consultant & Trainer (Lean Six Sigma BB), Lean I 4.0(APO, Japan), ZED

✓Graduate Engineer, MBA & Certified Lean Six Sigma Black Belt Professional Cum Trainer.

✓More than 14 years of experience in implementing various Operational Excellence Projects Like 5S, TPM, Value Stream Mapping, Quality Improvement, Kaizen, SMED, Poka yoke, Manpower Optimization, Process Stability, VOC, Cash Flow Management etc both in India & abroad

TARGET AUDIENCE:

This course is aimed at anyone who would like to learn more about data analytics tools and Lean Six Sigma. No prior knowledge (data analytics or Lean Six Sigma) is required.

CERTIFICATION:

An E-Certificate of Participation would be issued to the participants by National Productivity Council.

PARTICIPATION FEE: **Rs 4999/- (Including GST)**

FOR ANY QUERY KINDLY CONTACT:

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Mail Us on: training@npcindia.gov.in

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