Webinar Title: **SIX SIGMA METHODOLOGIES (DMAIC & DMADV) AND MACHINE LEARNING THROUGH SIX SIGMA**

<u>Registration Fee (including GST):-</u> Rs 299/- (Rupees Two Hundred Ninety Nine Only) per participant inclusive of GST

Expert Speaker (Name/ Designation) – Mr. Naresh Chawla, Six Sigma Master Black Belt

Webinar Date: **27.12.2020** **Duration:** 11.00 hours to 12.00 hours (one hour)

<u>About Webinar (Brief One para):-</u> Six Sigma ia a set of techniques and tools that help organizations improve business processes.. It is a is a statistical-based, data-driven, disciplined approach and continuous improvement methodology for eliminating errors and defects in a process, service, and product. These tools improves quality of output by identifying and eliminating causes of defects and help the organisations in the reduction of variability in business and manufacturing processes.

The two most widely used Six Sigma methodologies are DMAIC (Define, Measure, Analyze, Improve, Control) and DMADV (Define, Measure, Analyze, Design, Verify) . Both methods are designed so a business process will be more efficient and effective. While both of these methodologies share some important characteristics, they are not interchangeable and were developed for use in differing business processes. DMAIC is mostly reactive in nature we focus on improvement whereas in DMADV focus is on process design to meet six sigma level of performance. That is way DMADV is also referred as DFSS (Design for Six Sigma).

Machine learning is a method of data analysis that automates analytical model building. It is a branch of artificial intelligence based on the idea that systems can learn from data, identify patterns and make decisions with minimal human intervention.

We adopt Six Sigma to improve Machine Learning process from an engineering perspective. DMAIC are mapped to machine learning steps.

The Webinar will focus on describing Six Sigma methodologies DMAIC and DMADV and how Six Sigma can be used to improve Machine Learning processes.

<u>Webinar Coverage:-</u>

- Understanding Six Sigma and key Six Sigma Principles
- Six Sigma implementation methodologies- DMAIC (Define, Measure, Analyze, Improve, Control) and DMADV(Define, Measure, Analyze, Design, Verify)
- How are DMAIC and DMADV Similar?
- How are DMAIC and DMADV Different?
- Six Sigma for analyst (Business Analyst/Quality Analyst/Supply Chain Analyst)
- Lean six sigma and DMAIC for Lean six sigma
- Machine Learning and Mapping DMAIC with Machine Learning
- Case study and examples

Speaker Profile :-

Mr. Naresh Chawla is a Business Excellence professional and Lean Six Sigma Coach with more than 28 years of experience . He is a Certified Productivity Practitioner from APO, Japan and a Certified Six Sigma Master Black Belt from ISI, India.. He has certified more than 400 people in green belts and black belts . He served with Vardhman Group as Industrial Engineer, with National Productivity Council as Dy. Director, with KDDL Ltd as Corporate Head Quality & Engineering, and with PTU Nalanda School of TQM & Entrepreneurship as General Manager. He also got an opportunity to get associated with Punjab Engineering College (a deemed University) as Visiting Professor where he coordinated a MTech Program in TQM.

Register to learn (Key Learning's' in bullet points):
- ➢ Six Sigma implementation methodologies- DMAIC and DMADV
- ➢ DMAIC for Lean six sigma
- ➢ Machine Learning and Mapping DMAIC with Machine Learning

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Thanks and regards

S.P.Singh
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