Webinar Title: Improvement through Lean Manufacturing Techniques and Tools of Industry 4.0

Registration Fee (including GST):- Rs 99/-

About Webinar :- Lean manufacturing is a methodology that focuses on minimizing waste within manufacturing systems while simultaneously maximizing productivity.
Lean manufacturing typically has four goals, one of which is to improve quality. Manufacturing companies today must focus on producing, and delivering, high-quality products to beat the competition The second goal of lean manufacturing, is to eliminate waste. Manufacturing companies tend to produce a lot of waste. Manufacturing companies can reduce their waste production by focusing on the principles of lean manufacturing. The third goal of lean manufacturing is to reduce time. This is attributed to the fact that there's less waste and greater overall efficiency in the workplace. The producing products faster mean lower overhead and more revenue, making lean manufacturing company more competitive. The fourth and final goal of lean manufacturing is to reduce total costs. When products are produced faster, it leads to reduced total costs. Lowering costs allows companies to stay competitive, which is essential for success in the manufacturing industry.

The twelve types of wastes are reduced under lean manufacturing:

- Transport: the movement of goods from one location to another.
- Inventory: from finished goods stocks to work in progress (WIP) and raw materials.
- Motion: the movement of a person or a machine within the operations.
- Waiting: time spent idle and unproductive.
- Overproduction: producing something that is not actually required now.
- Over-Processing: doing work that is beyond what is actually required.
- Defects: all of the rejects and rework that may be produced.
- Talent: this is the failure to use the skills and knowledge of employees.
- Minimising four Resources: like power, water, space and other resources being used unnecessarily.
- By-Products: not making use of anything left over within processes.

The various tools and techniques of lean manufacturing are used for the elimination of all non- value-adding activities and waste from the processes. Waste is seen as anything that customers do not believe adds value and are not willing to pay for. With the advent of industry 4.0, the lean manufacturing is getting further fortified With advanced digital technologies known as Industry 4.0 in which with deployment of the right combination of technologies, manufacturers can boost speed, efficiency, and coordination and even facilitate self-managing factory operations called smart factory. Both lean manufacturing and Industry 4.0 have the same goal, which is operational excellence. Manufacturers that have successfully deployed Lean Industry 4.0 can reduce conversion costs by as much as 40% in five to ten years — considerably better than the reductions captured by the best-in-class independent deployment of lean or Industry 4.0.The webinar will focus on how to companies can improve their operations by implementing various tools and techniques of lean manufacturing and how tools of Industry 4.0 can support lean in achieving operational excellence.

Webinar Coverage:-

- Changes and Challenges in Business Scenario
- Lean Thinking and Concept of 3M
- Principles of Lean Manufacturing
- 12 types of wastes (Seven main wastes and additional five wastes)
- Tools and techniques of lean manufacturing and their implementation
- How tools of Industry 4.0 can support lean manufacturing
- Case studies and examples

SPEAKER PROFILE: - Mr. Naresh Chawla is a Business Excellence professional and Lean Six Sigma expert with more than 28 years of experience. He is a lean manufacturing consultant and has implemented lean manufacturing techniques in different units under Lean Cluster. 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 :

- Understanding Principles of Lean Manufacturing
- 12 types of wastes (Seven main wastes and additional three wastes)
- Tools and techniques of lean manufacturing and their implementation
- How tools of Industry 4.0 can support lean manufacturing

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