

Advance Certificate Programme on Lean Logistics and Productivity Improvement (Online)



Introduction:

Lean principles and components are now being applied outside a company's premises as well. From lean manufacturing to lean logistics is a journey of total waste elimination and continuous improvement. The services industry such as the healthcare industry is also gradually adopting lean principles to bring in maximum efficiencies and reduce errors that have the potential to literally save lives. As supply chains become more and more crucial to both survival and growth of firms, lean manufacturing and lean logistics will continue to gain prominence in corporate planning. In a competitive world, small and medium enterprises have also begun to place emphasis on following lean principles. As India aims to become a manufacturing hub for the world, a faster response to consumer demand will get facilitated by adopting the lean philosophy.

Course Objective:

- Understanding Lean Logistics and Productivity Improvement.
- Understanding Process Analysis and Design Work Methods.
- Understanding role of Waste Elimination in productivity improvement.
- Understanding Lean Operations Design.

Target Audience: Middle Level and Senior Level Management, Entrepreneurs, Financial services professionals, Venture capital professionals.

Pedagogy: Live Online-Interactive sessions, Case Study Analysis, Assignments and Assessment.

Relevant Industry: Manufacturing Industry, Office Environments, Auto Mechanics and garages, Product Design industry, Hospital Industry, Service Industry.

Reference Materials:

- Yasuhiro Monden. 2012. Toyota Production System: An Integrated Approach to Just-In-Time. 4th Edition. CRC Press. USA
- Euclides A. Coimbra. 2013. Kaizen in Logistics and Supply Chains. McGraw-Hill. USA.
- Mark Graban. 2009. Lean Hospitals: Improving Quality, Patient Safety, and Employee Satisfaction. CRC Press. USA.
- Cindy Jimmerson. 2010. Value Stream Mapping for Healthcare Made Easy. CRC Press. USA.
- Don Tapping et al. 2002. Value Stream Management: Eight Steps to Planning, Mapping and Sustaining Lean Improvements
- Peter L King and Jennifer S. King. 2015. Value Stream Mapping for the Process Industries. CRC Press. USA.

<https://www.leanvlog.com/what-is-lean-logistics/>

https://ocw.mit.edu/courses/16-660j-introduction-to-lean-six-sigma-methods-january-iap-2012/video_galleries/lecture-videos/

Session Plan:

Session Plan (Each Unit of 2 hrs)	
Session No.	Topics
Session 1	Introduction to Lean Logistics and Productivity Improvement
Session 2	Just in time production
Session 3	Pull system and Kanban
Session 4	Process Analysis and Design Work Methods
Session 5	Waste elimination 5S and Visual Workplace
Session 6	Value Stream Mapping
Session 7	Value Stream Management
Session 8	Kaizen
Session 9	Jidoka Mistaken proofing system
Session 10	Additional Productivity improvement tools and Performance measurement
Session 11	LEAN Operations Design
Session 12	LEAN Operations Design
Session 13	Application of lean logistics in services industry
Session 14	Case Studies/Presentations in the Indian Context
Session 15	Case Studies/Presentations in the International Context

Assessment Criteria:

Class participation	10%
Individual work	20%
Group work	20%
Final examination	50

Appeal Procedure

Should the students have any appeal regarding the assessments or grade, inquiry can be made to the instructors and/or the course coordinator immediately either by direct contact, telephone or email.

Learning Outcomes:

At the end of the course, the participants will be able to:

1. Efficiently apply lean logistics and productivity improvement principles of inventory, warehouse, transportation and distribution management in industry and service improvement.
2. Systemically analyze problems and propose solutions in lean logistics and productivity improvement
3. Communicate and select suitable method for presentation in lean logistics and productivity improvement.

Programme Details:

Commencement Date: First week of May 2023

Schedule of Classes: Saturdays & Sundays

Mode of Delivery: Online Sessions through MS Teams Platform.

Cost per Participant: Rs. 20,000/-

Course Duration: 30 hrs. (15 sessions)

Course Credits: 3 Credits

How to Apply:

- Participants are requested to fill the online form through the mentioned link.
- Last date to apply: **15-April-2023.**
- Please ensure that all details are filled including the E-mail address. Incomplete applications will not be accepted.
- Tuition fee needs to be paid in two instalments:
First Instalment: Rs 12,000/-
Second Instalment: Rs 8,000/-



Contact for query:

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