



TRAINING PROGRAM ON
Lean
Manufacturing





ABOUT ARRELIC TRAINING INSTITUTE

Arrellic Institute is focused to equip both industry professionals and college graduates with the skills and knowledge required for bridging the desire state of workforce which industry needs to compete globally.

Arrellic Institute provides over 75 different type of customized training programs in the field of Reliability Engineering, Asset Management, Best Practice, Operation & Maintenance, Predictive Maintenance, NDT, Predictive Analytics, Quality, Risk & Safety.

Arrellic Institute conducts public trainings and workshops in 38 locations across India and 10+ International locations. We are working for large corporate house from 15 different types of industries ranging from Airlines, Automobiles, Cement, Defence Manufacturing, FMCG, Glass, Marine, Metals, Mining, Oil & Gas, Power, Pulp & Paper, Facility Management and Fertilizer.

ARRELIC INSTITUTE: AT A GLANCE



www.arrellic.com/offerings/training-and-development

TRANSPORT

INVENTORY

MOTION

WAITING



ARRELIC AWARDS & RECOGNITIONS

NASSCOM®

TOP5

Won the Top 5 Startups in eastern India in Thieve 30 by NASSCOM



GLOBAL ENTREPRENEURSHIP SUMMIT
INDIA 2017

Selected for GES – 2017, Hyderabad and showcased among top 100 Start-ups from India.



SMART FIFTY

50 Solutions to Transform India

TOP50

Emerged as one of the top 40 startups in #Smartfifty' – a search for solutions to transform India



Top 24 Start-ups selected over 1850 startups across India By CNBC.



Selected for NPC – Bangalore and NPC – Kolkata for Product showcase.



Product showcased in TIECON – 2017 and selected through Govt. Of Odisha.

#startupindia

Startup India Recognize



STARTUP ODISHA recognised.



birac

Ignite Innovate Incubate

BIRAC finalist in SPARCH - 2017

web summit

LISBON, NOVEMBER 6-9, 2017

Selected for Web summit - Lisbon



hello tomorrow

Selected for Hello tomorrow, Paris Summit.



Selected and presented in 1000 open startups.



ABOUT THE TRAINING COURSE

Lean Manufacturing

Lean is a continuous improvement philosophy which is synonymous with Kaizen or the Toyota Production System. Lean Management creates more value with fewer resources, reducing unwanted activities or process that do not add value to a product or service for a customer.

Introduction to Lean Manufacturing training provides you with the techniques for streamlining missions in any manufacturing environment. A comprehensive overview of lean manufacturing delivers cost and cash flow, velocity and lead time, and deliberates how waste impacts both profit and customer happiness.

In today's business world, where international competition and constant price reduction requires from customer's impact significantly on management strategies, lean manufacturing helps corporates to stay competitive, innovative, and profitable. "Lean" execution leads to lower cost and cycle-time, higher customer satisfaction, and standardized high quality. This hands-on training will concentrate on lean approaches that can be used to reduce all forms of waste and increase value for the customer.

Lean manufacturing training intends to give you a complete comprehension of what "Lean" means, describe the tools used, and, via case studies and group activities, show how these tools can be used in your organization.





LEARNING OBJECTIVES & KEY BENEFITS OF ATTENDING THE WORKSHOP

By attending this technical training on “Lean Manufacturing” delegates will be able learn and deliver the following things.

- ✓ Understand the terms, terminology, and benefits of Lean Manufacturing, Lean Philosophy, Lean Principles, and Application of Lean in the Industry.
- ✓ Conduct value stream maps of the current state, identify the potentials for reduced waste and improved flow, and develop a future state map.
- ✓ Participate in the development of a site-specific lean implementation roadmap.
- ✓ Avoid the common pitfalls encountered during lean implementation.
- ✓ Identify key features of a production line process and how it can be made more effective
- ✓ Determine common types of waste and how those wastes impact an organization's revenues, competitive edge, and customer fulfilment.
- ✓ Comprehend how a team-based technique to change can accomplish sustainable results

WHO SHOULD ATTEND ?

Successful Lean Manufacturing programs require the disciplined application of proven processes and interdepartmental partnerships. It is important for departments that are influenced and impacted by the processes to understand the processes. People in the following roles should participate in this training:

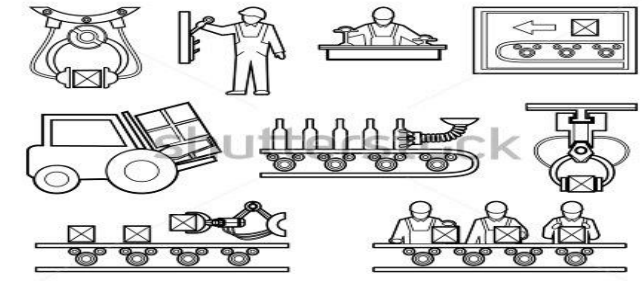
- ✓ Top and middle level management personnel of small, medium and large scale companies
- ✓ Production/Maintenance/Quality/Materials managers and executives
- ✓ Quality/Quality management consultants





INDUSTRIES THAT CONCERN ABOUT

LOW PRODUCTIVITY



Conventional use of time-based approach for maintenance does not take into consideration the way assets are being utilized, their current condition and real world operating conditions.

HIGH DOWNTIME



Failure to curb unplanned downtime and lack of control over value chain processes lead to high costs, inefficiencies and poor compliance. These severely impacts the profit and industrial growth.

INADEQUATE ASSESS CONTROL



Industries lack the ability to interpret assets data and because of unavailability of proper predictive methods they are unable to predict equipment failures which leads to unplanned downtime.

HIGH MAINTENANCE COST



Increased competition, pressure to grow revenue & profit, tighter regulations, scarcity of raw material, fluctuation demand and obsolete technologies have impacted the way industries are being operated.



COURSE OUTLINE

DAY - 1

Introduction

- ✓ Introduction to Lean Manufacturing
- ✓ Objectives of Lean & Principles of Lean Manufacturing,
- ✓ Economic aspects of lean
- ✓ Value proposition of lean

Concept of Waste in Lean Manufacturing

- ✓ Types of Wastes
- ✓ Waste Management
- ✓ Concept of Value & Waste
- ✓ Techniques to reduce wastes

REVIEW & Q/A

DAY - 2

Industrial Application

- ✓ Introduction to Industry 4.0

Lean Tools & techniques

- ✓ Types of Lean Tools
- ✓ Value Stream Mapping,
- ✓ Concept of Kaizen in manufacturing industry
- ✓ Concept of Just in Time & Kanban
- ✓ Single Minute Exchange of Die (SMED)
- ✓ Standardized Work
- ✓ The pillars of lean manufacturing

REVIEW & Q/A

DAY - 3

Lean Implementation

- ✓ Lean Transformation
- ✓ Putting Lean Principles into practice
- ✓ Implementation Strategy
- ✓ Implementation Steps
- ✓ Lean Leadership
- ✓ Exercises practice
- ✓ Test of Learning

POST ASSESSMENT

PROGRAM SCHEDULE

09:00 -10:30

Morning Session 1

10:30 -11:00

Refreshments & Networking Break

11:00 -12:30

Morning Session 2

12:30 -13:30

Lunch

13:30 -15:00

Afternoon Session 1

15:00 -15:30

Refreshments & Networking Break

15:30 -17:00

Afternoon Session 2

17:00 -17:30

Day review & Q/A