

TRAINING PROGRAM ON

# Value Stream Mapping

# 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](http://www.arrellic.com/offerings/training-and-development)

# ARRELIC AWARDS & RECOGNITIONS

## NASSCOM® TOP5

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



Selected for GES – 2017, Hyderabad and showcased among top 100 Start-ups from 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 finalist in SPARCH - 2017



Selected for Web summit - Lisbon



Selected for Hello tomorrow, Paris Summit.



Selected and presented in 1000 open startups.



# ABOUT THE TRAINING COURSE

## Value Stream Mapping

Value Stream Mapping (VSM) is a technique that can be employed to not only provide a visual representation of a procedure, but also have the potential to identify significant savings in the way in which the process is organised and performed. Value Stream Mapping technique is often associated with Lean programmes to identify opportunities for improvement in lead time, logistics, supply chain, service related industries, healthcare, software development, and product development.

Value Stream Mapping enables a company to identify and eliminate waste, thereby streamlining work processes, cutting lead times, reducing costs and increasing quality. It is a tool commonly used in lean continuous improvement programs to help understand and improve the material and information flow within organizations. Value Stream Mapping borne out of lean ideology captures and presents the whole process from end to end in a method that is easy to understand by those working the process - it captures the current issues and presents a realistic picture.

Through Value Stream Mapping, a team of employees can map the current state; beginning from customer back to raw material including all the steps, both value-added and non-value-added, and develop a future state vision to act as a blueprint for Lean activities. The Future State often represents a significant change compared to the way the company currently operates. The VSM team will develop an implementation strategy to make the Future State a reality. The most urgent needs will be addressed first, and can typically be accomplished in a very short time frame with the appropriate resources applied.

Arrelic's VSM Course solve growth problems- such as maintaining the throughput, quick fix solutions may be used, also the course will provide the basis for the analysis, comprehension and improvement of key business processes.



# LEARNING OBJECTIVES & KEY BENEFITS OF ATTENDING THE WORKSHOP

By attending this technical training on “Value Stream Mapping” delegates will be able learn and deliver the following things.

- ✓ Knowing how to identify processes and distinguish from procedure
- ✓ Collecting data for Value Stream mapping
- ✓ Applying the recognised industry standard analysis technique associated with Value Stream mapping.
- ✓ Knowing the benefits of 'Value Stream Mapping'
- ✓ Knowing how to form the value stream team
- ✓ Understanding customer demand associated with VSM
- ✓ Knowing how to develop the value stream information system
- ✓ Using the Value stream mapping symbols
- ✓ Knowing how to construct the 'Current State Map'
- ✓ Knowing how to Construct the 'Future State Map'
- ✓ Establishing 'Future State' implementation strategy development and deployment
- ✓ Identifying opportunities and problem areas within existing business Value Streams
- ✓ Modelling and assessing the impact of any proposed changes to a key process.
- ✓ Providing the opportunity to make real major financial saving.
- ✓ Value Stream mapping software
- ✓ Completing a Value Stream Mapping initiative

## WHO SHOULD ATTEND ?

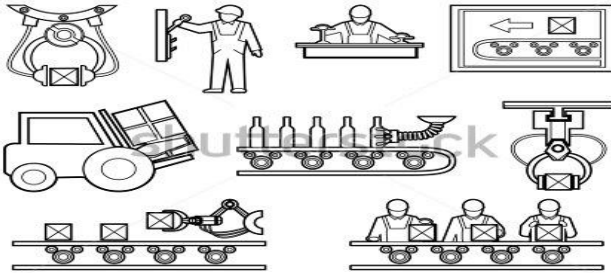
Successful Value Stream Mapping programs require the disciplined application of proven processes and interdepartmental partnerships. It is important for departments that are influenced and impacted by the processes to understand the processes. People in the following roles should participate in this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

- ✓ Quality Managers
- ✓ Quality Engineers
- ✓ Lean practitioners
- ✓ Business Process Owners
- ✓ Process Improvement Managers
- ✓ System implementers
- ✓ Management representatives
- ✓ System coordinators
- ✓ Change managers
- ✓ Improvement teams.



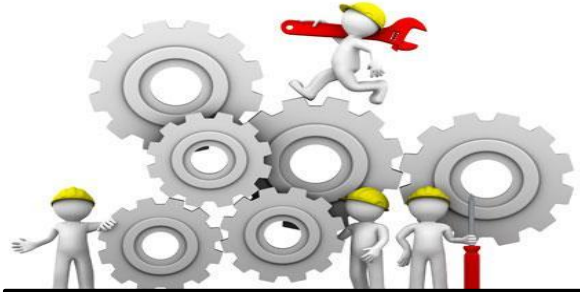
# INDUSTRIES THAT CONCERN ABOUT

## 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

### FUNDAMENTAL

- ✓ Introduction to Lean
- ✓ What is a Process & Process Mapping
- ✓ Different types of Process Mapping techniques
- ✓ What is Product Family.
- ✓ Identification of Product Family for VSM

### VALUE STREAM MAPPING

- ✓ What is Value and Value Stream
- ✓ VSM basics and symbols
- ✓ How to construct a VSM
- ✓ Lean Terminologies & Data Collection for VSM
- ✓ Lean thinking
- ✓ Process re-engineering / process improvement

### VALUE STREAM MAPPING TECHNIQUES

- ✓ The 8 steps of Value Stream Mapping
- ✓ Team member roles and responsibilities
- ✓ Value stream mapping techniques
- ✓ Identifying and eliminating non-value activities
- ✓ Understanding the change implications

### REVIEW & Q/A

## DAY - 2

### FUTURE STATE VALUE STREAM MAPPING

- ✓ Kaizen Project Identification
- ✓ Future State Value Stream Map
- ✓ How to construct Future State VSM

### STREAMLINING THE VALUE STREAM

- ✓ Using the Value Stream Map to understand sources of waste and then to conduct a work analysis and then to create a macro workflow and finally a micro workflow.
- ✓ Focus on the characteristics of a lean value stream and how to build those into the future state.

### COURSE REVIEW

- ✓ Learning and developments in the Value Stream Mapping
- ✓ Tips to Success in Value Stream

### POST ASSESSMENT

## PROGRAM SCHEDULE

09:00 -10:30	Morning Session 1	13:30 -15:00	Afternoon Session 1
10:30 -11:00	Refreshments & Networking Break	15:00 -15:30	Refreshments & Networking Break
11:00 -12:30	Morning Session 2	15:30 -17:00	Afternoon Session 2
12:30 -13:30	Lunch	17:00 -17:30	Day review & Q/A