TRAINING PROGRAM ON

Operational Excellence Introduction

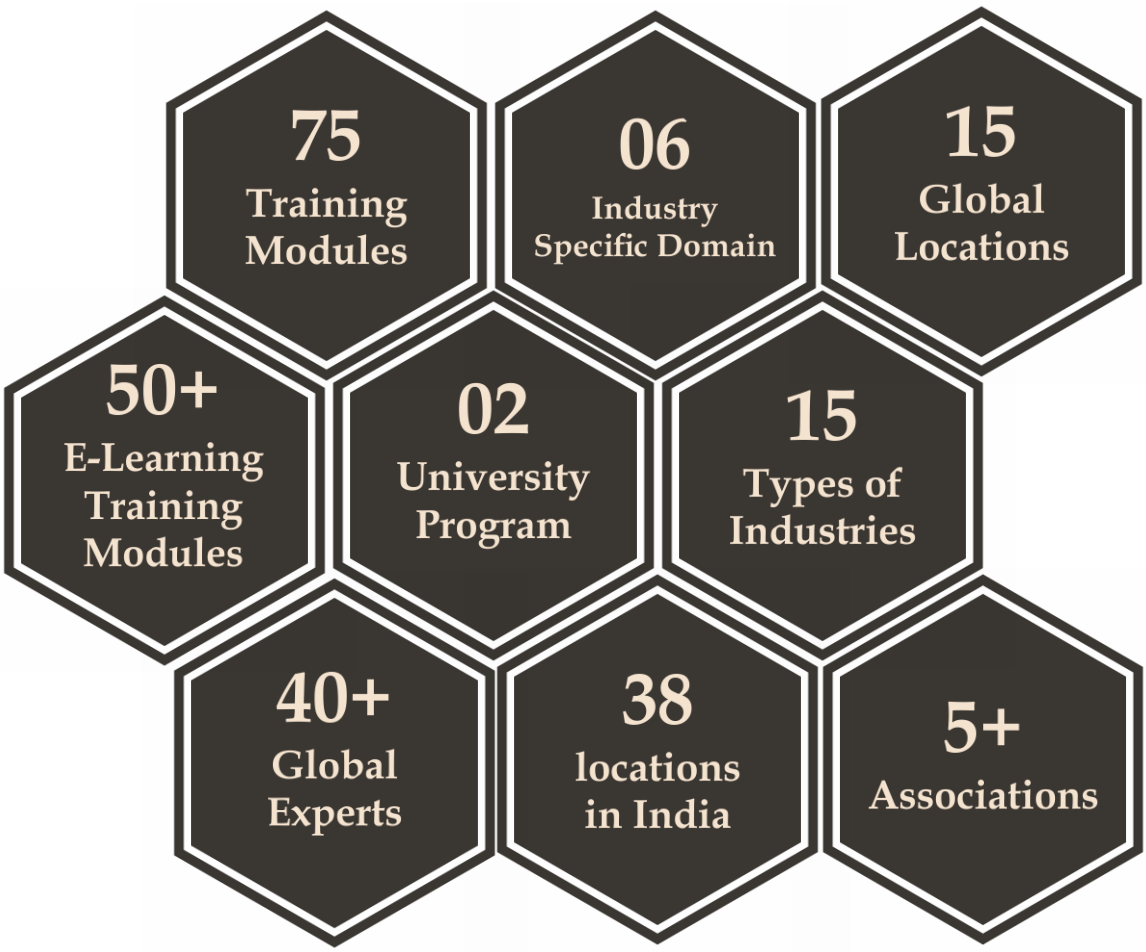
ABOUT ARRELIC TRAINING INSTITUTE

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

Arrelic 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.

Arrelic 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.arrelic.com/offerings/training-and-development

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.

NASSCOM®
PRODUCT CONCLAVE

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

TiE CON DELHI-NCR

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

#startupindia

Startup India Recognize

Startup Odisha

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.

100 open startups

Selected and presented in 1000 open startups.

ABOUT THE TRAINING COURSE

Operational Excellence Introduction

Operational Excellence is not easy to define. Some descriptions are too broad. Others set parameters so narrow that the ultimate definition seems too focused in scope. Often, we end up with definitions that seem plausible in an academic sense, such as:

•Being world class
•Being the best globally
•Excellence in everything we do

These definitions are difficult to translate into practical actions. Worse yet, we end up with so many different interpretations of what "Operational Excellence" is that the organization as a whole lacks a precise definition and a roadmap to follow for achieving it.

To leverage operations to achieve business growth, the first step is to understand what Operational Excellence really is, and then how we achieve it. Think of it as answering the question: Where will our journey of continuous improvement take us? A good answer is that our journey will take us to Operational Excellence, or the point at which —"Each and every employee can see the flow of value to the customer, and fix that flow before it breaks down."

Once everyone can see normal and abnormal flow, the next step is to create what's known as standard work for abnormal flow. In this phase, we create standard work that corrects when abnormal conditions in the flow begin to occur. This means that the people working in the flow (either on the manufacturing floor or in the office) have a standard methodology for correcting things when they go wrong. The end result is something called "self-healing" value streams, which means that when flow breaks down somewhere in the operation, the employees working in the flow are able to fix it without the need for management intervention. Arrelic's Operational excellence is defined as the most comprehensive optimization program for the company, which tailor all processes to customer requirements, quality and efficiency.

LEARNING OBJECTIVES &
KEY BENEFITS OF ATTENDING THE WORKSHOP

By attending this technical training on **"Operational Excellence Introduction"** delegates will be able learn and deliver the following things.

- ✓ **Understand the full impact that reliability can have on business performance: profitability, costs, quality,**
- ✓ **Safety and environmental performance improvements**
- ✓ **How to create a high reliability performance culture through a proven reliability model**
- ✓ **Understand the practices that underpin high reliability in the areas of project design, purchasing, spare**
- ✓ **Parts storage, installation and start up processes, operations and maintenance of plant and equipment**
- ✓ **How to develop a compelling case for reliability and win business support**
- ✓ **Understand and be able to explain the five OE principles**
- ✓ **Recognise non-value added activities in a process**
- ✓ **Understand how to start identifying improvement opportunities at work and how to approach change**
- ✓ **Apply OE tools to improve processes performance and user experience**

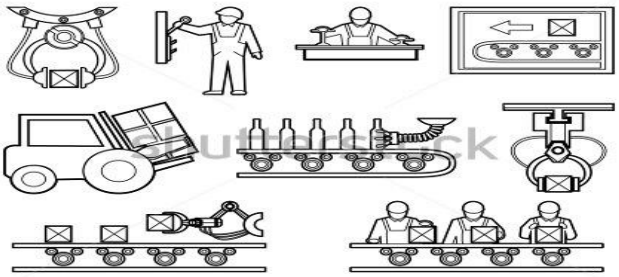
WHO SHOULD ATTEND ?

Successful Operational Excellence Introduction 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.**

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 Operational Excellence
- ✓ Benefits of a Operational Excellence
- ✓ Definitions of Terms and Measures in Operational Excellence
- ✓ The Principles of Operational Excellence

DAY – 2

OPERATIONAL EXCELLENCE METHODOLOGIES

- ✓ Lean Manufacturing
- ✓ Six Sigma
- ✓ Kaizen

DAY – 3

OPERARIONAL EXCELLENCE APPROACH

- ✓ Stop waste and loss
- ✓ Stop defect and Failure
- ✓ Life time Risk reduction
- ✓ Stress to process model
- ✓ Six PWW processes
- ✓ Making changes stick
- ✓ Plant wellness program

REVIEW & Q/A

DAY – 4

ADDITIONAL TOOL

- ✓ Process Mapping
- ✓ Value Added Work and Waste
- ✓ Metrics and Data Analysis
- ✓ Visual Management
- ✓ Managing Resources
- ✓ Reflection, Action planning and Consolidation

COURSE REVIEW

- ✓ Learning and developments in the Operational Excellence
- ✓ Tips to Success in Operational Excellence

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