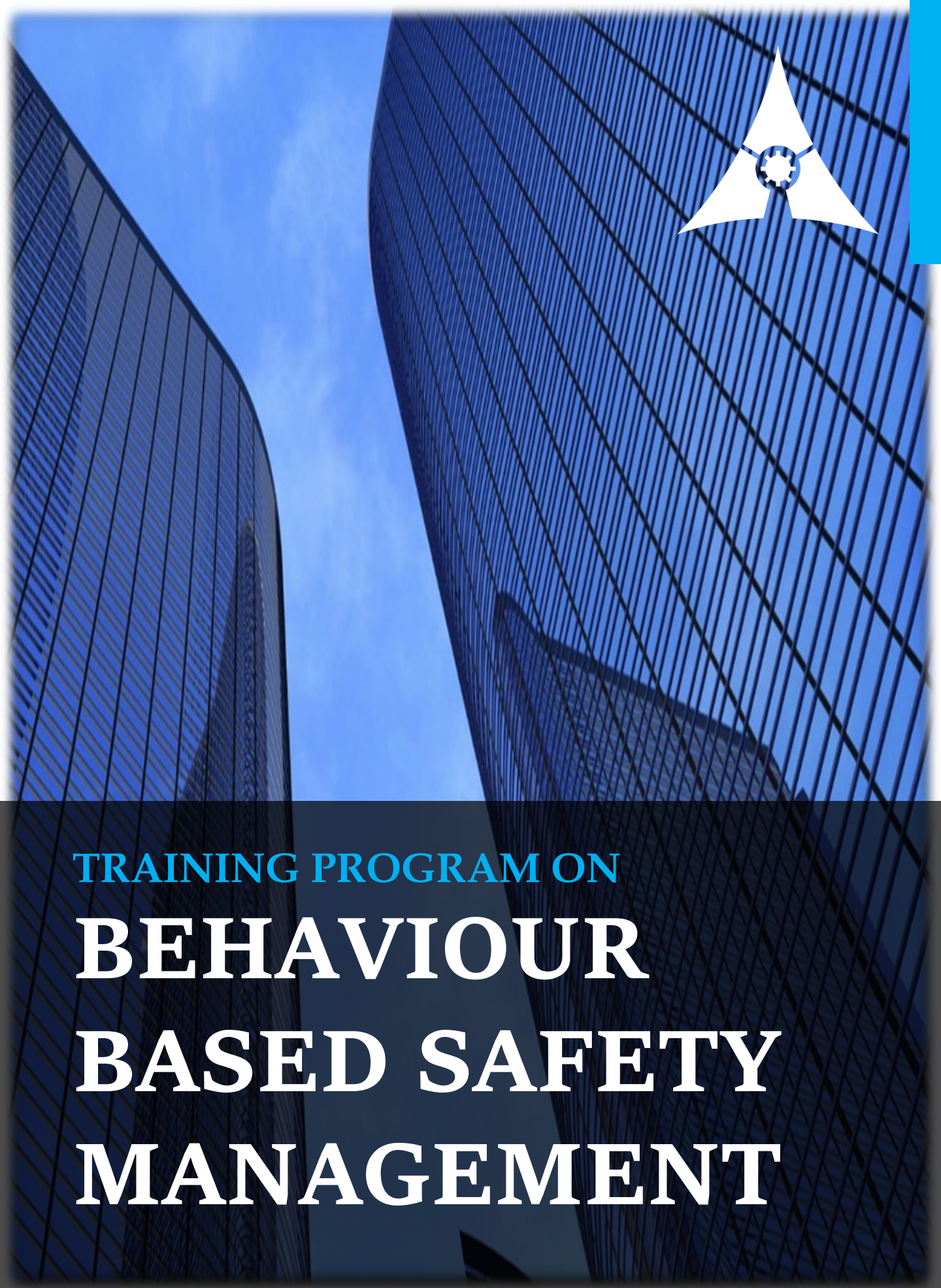


TRAINING PROGRAM ON

BEHAVIOUR BASED SAFETY MANAGEMENT

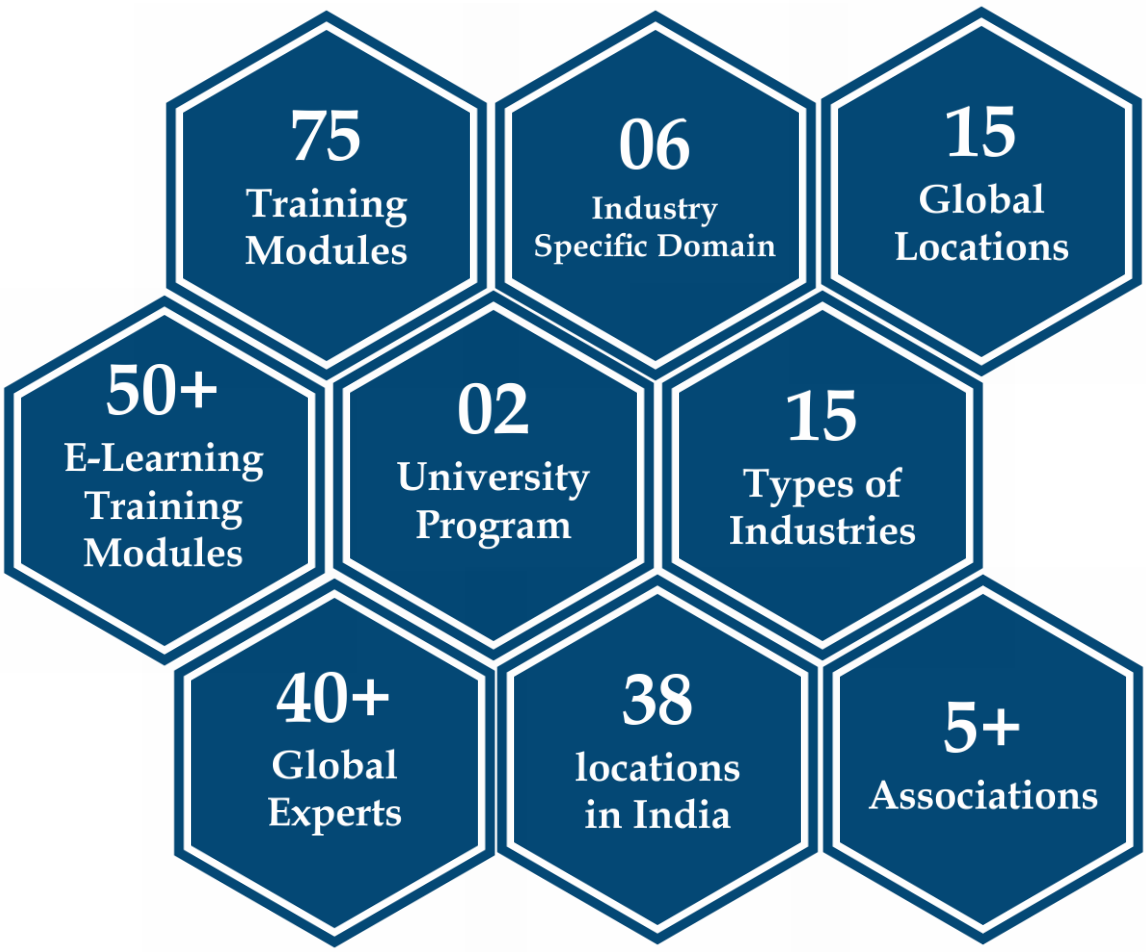
ABOUT ARRELIC TRAINING INSTITUTE

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
BEHAVIOUR BASED SAFETY MANAGEMENT

Today, we are becoming more aware of the importance of taking human factors into account in our management of occupational health and safety management in the workplace. Usually, when an accident has occurred, human error (at-risk behaviour) is conveniently cited as a cause of the accident.

When accidents are investigated, many of the systemic causal factors are human in their origins, for example, inadequate training for the workers, bad design of workplaces/workstations, fatigue due to shift structures, inadequate tools and equipment, or an overall poor safety culture in place. Today, with the advancement of technology and better design safety knowledge, the rate of failure in equipment/facilities has reduced significantly, while human error has emerged clearly as the main cause.

Organizations whose safety performance have stagnated, and many have tried various initiatives to increase their performance though having a sound safety and health management system. The answer to this situation is to focus on the individual and their behaviour. Behaviour-based safety is an excellent tool for collecting data on the quality of an organization's safety and health management system. It is an objective approach to understand why people behave the way they do when it comes to safety. It truly complements building a successful safety culture building when properly applied.

The behaviour- based safety system is employee-based driven for continuous improvement. It analyses tasks, hazards, and past accidents, and conduct job observation and interviews to identify safety-related critical behaviours, and uses feedback about the safety performance as reinforcement to change or modify at-risk behaviour or sustain safe behaviour.

LEARNING OBJECTIVES &
KEY BENEFITS OF ATTENDING THE WORKSHOP

By attending this technical training on **"Behaviour Based Safety Management"** delegates will be able learn and deliver the following things.

- ✓ **Methods and tools used to eliminate hazards and prevent injuries on the job.**
- ✓ **Identify steps to implement a behavior-based safety program**
- ✓ **Knowledge of Behavioral psychology**
- ✓ **Importance of safety culture**
- ✓ **Concept and understanding of safety**
- ✓ **Assessing and implementation of safety culture in work place**
- ✓ **Improved Corrective Action rate**
- ✓ **Ability to analyze human errors and intervene with proper communicational strategies**
- ✓ **Improved safety standards**
- ✓ **How to conduct safety observations**
- ✓ **Identification of related system issues**
- ✓ **How to approach incorrect behavior**
- ✓ **Better safety leadership**
- ✓ **How to guide employees in learning safe work practices**

WHO SHOULD ATTEND ?

Successful behaviour based safety management 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:

- ✓ **Operations Managers**
- ✓ **Maintenance Engineers**
- ✓ **Safety Specialists**
- ✓ **Safety Managers**
- ✓ **Safety Coordinates**
- ✓ **Safety Committee members**
- ✓ **Loss Control Managers**
- ✓ **Full-time Safety Practitioners**

INDUSTRIES THAT CONCERN ABOUT

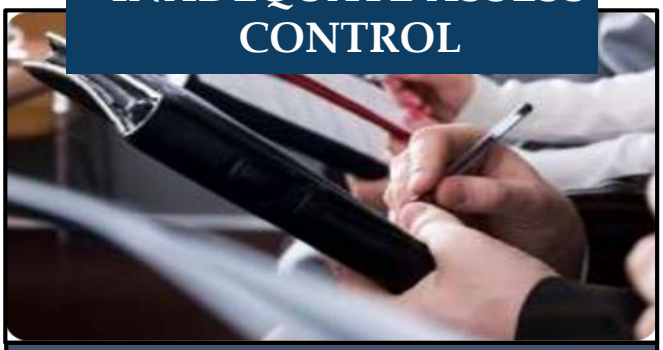
LOW PRODUCTIVITY

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
- ✓ Learning Objectives
- ✓ Goals of human error prevention

UNDERSTANDING HUMAN ERROR
- ✓ Errors and their relationship to loss events
- ✓ Which is more important: Management system deficiencies or personal behaviour?
- ✓ Types of human error
- ✓ Modelling human behaviour
- ✓ Elements associated with understanding and controlling human error

BEHAVIORAL- BASED SAFETY PROCESS
- ✓ Principles of Behaviour Safety (BBS)
- ✓ Relevance of BBS to you and your job, especially to maintenance and daily operations
- ✓ Human Factors, Errors and At-risk Behaviors
- ✓ The Laws of Human Learning and Behavior Change
- ✓ Techniques of BBS Observation – The COACH Process
- ✓ Intervention Strategies and Communication Styles for BBS
- ✓ Benefits of BBS

REVIEW & Q/A

DAY – 2

BEHAVIOURAL SCIENCE AND IMPROVING HUMAN BEHAVIOUR
- ✓ What controls human behaviour (T-H-O Theory and Analysis)
- ✓ Identifying an inventory of key undesirable behaviours
- ✓ Applying T-H-O to undesired behaviours to identify how to correct bad habits
- ✓ Implementation strategies for controlling undesired behaviours

COMMON HUMAN ERROR PREVENTION TECHNIQUES
- ✓ Information Presentation Rules (procedures, trainers, communication, signs, etc.)
- ✓ Process/Operation/ Workplace Design Rules
- ✓ Other General Rules
- ✓ Selected Exercises
- ✓ Overview of Techniques for Predicting and Analyzing Human Error

REVIEW & Q/A

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