

# Maxwell Centre For Industrial Training & Development

An ISO 9001:2015 Certified Organization



**One Day Training Program On** 

**Course Content:** 

• Reliability in Maintenance.

• A priori and A posteriori.

• Goodness of FIT Test.

Failure Data Analysis.

Logic Gates. Cm Cmk.

• Industrial Case Study 1

• Real Time Case study 2.

• Fault Tree Analysis.

Reliability Mathematical Model.

Availability and Maintainability.

• Master Data sheet Preparation.

Reliability Function, MTBF & MTTR.

Hazard Rate and Measures of Reliability.

What is Reliability and Applications in Engineering.

• Data Collection. Exponential and Weibull Distribution.

• Quality in Reliability. Probability in Reliability.

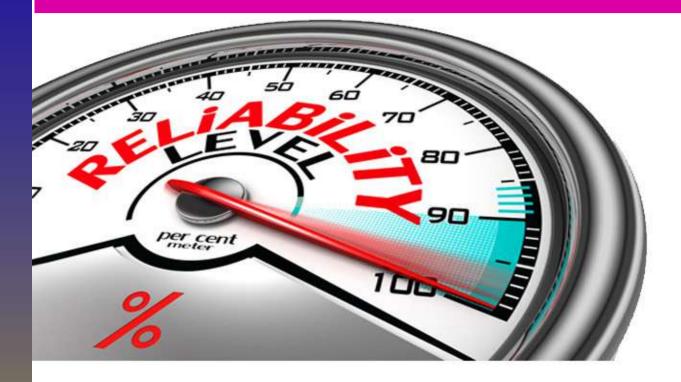
Level 1

• Design Life.

Level 2

### TÜV SÜD ISO 9001

# Reliability Engineering



#### **Objective:**

The Reliability Engineering is focused on using the reliability and probability mathematical models to find out the machine and machine parameters fault finding and root causes to reduce the machine breakdown and reduce the repairing time then improving the machine efficiency and Good Effectiveness. To impart knowledge in reliability concepts, reliability estimation methods and reliability improvement methods.

#### **Benefits expected:**

- Increasing MTBF with Reducing machine Break downs.
- Reducing repair time with Less MTTR.
- Repeatability.
- Complex processes can be simplified.
- Techie persons able to conduct reliability assessment and failure analysis on any complex systems.

#### Target Group:

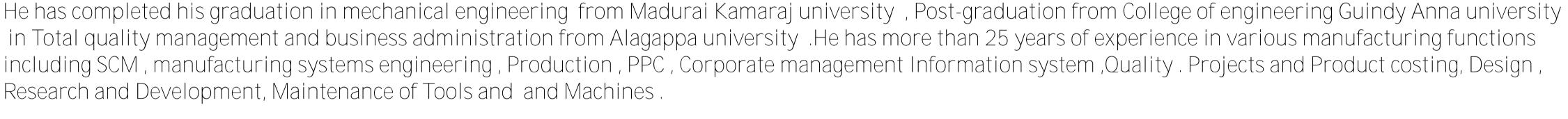
Managers, deputy managers, engineers and executives of Project Engineering, Development and Maintenance Department

#### Methodology:

PDCA cycle, Reliability mathematical models and some of Probability distribution tools.

#### Facilitator - Mr Shyam & Mr Padmanabhan

Mr Shyam Sundar KS



Mr. PADMANABHAN

MR. K. PADMANABHAN PANCHU, ASSISTANT PROFESSOR

Field of specialization: Reliability Maintenance, PPC, Operations Scheduling, and Robotics.

PRESENT POSITION

Assistant Professor, Department of Industrial Engineering, College of Engineering Guindy, Anna University, Chennai from October-2009.

#### TRAINING PROGRAMME FEE:

Rs. 3500/-per participant + 18% GST.

GSTIN: 33AFKPG7543M1Z5 SAC CODE: 999293 (Commercial Training and Coaching Services)

It Covers course Material, grand buffet Non veg. Lunch & refreshment

Cheque / DD drawn in favour of "Maxwell Centre for Industrial Training and Development".

Date and Time:
20th November 2018
Tuesday
9 am - 5 pm





#### Venue:

Quality Inn Sabari Thirumalaipillai Road, T Nagar, Chennai-600017.

## For registration contact:

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