

Center for Reliability and Diagnostics

PE first **PLE** in our strive for Excellence

Contact: +91 8805022148
www.reliabilitydiagnostic.com



<-- 1xRPM value due to Unbalance,
<-- Loose/increased clearance
Rubbing/increased top
(as also found later impeller lo



Reliable Plant
IS

**TRAINING
PROGRAMS
2024**

SAFE
LOW-RISK
PRODUCTIVE
STREAM-LINED
ENERGY-EFFICIENT
KNOWLEDGE-BASED



Manage Knowledge Manage Assets Manage Business



CRD Institute of Excellence

World-Class Programs

On-Line / On-Site / Short-term & Long-term

Sl.No.	Course/ Workshop Title	Days	Target Participants
1	Advanced Maintenance best practices for process industry (orientation program)	2	GET, PGET, Junior engineers/ freshers (All branches/ functions)
2	Reliability Centered Maintenance - RCM (process/ power plants)	2 or 3	All branches/ functions
3	Reliability & Maintenance best practices for process industry (focusing Industry 4.0 needs)	2	Project, Operation, Maintenance in Mech./ Elect., Rotary, Reliability Engineers
4	Asset Predictive Analytics and ML and AI	1	All branches/ functions
5	Online Surveillance System for Turbines and Compressors – Maintenance and Diagnostics	2	Rotary, Reliability, Condition Monitoring and Instruments & Electrical Maintenance Engineers
6	Maintenance Capability building for Power/ Process Engineers	2	Operation and Maintenance Sr executives
7	Reliability, Risk and Life Assessment	2	Reliability, Maintenance & Operation engineers
8	FMECA (Failure Mode, Effect and Criticality Analysis	1 or 2	All branches/ functions
9	Asset Integrity & Reliability Management	3	All branches/ functions
10	Diagnostics and Inspection in complete Supply Chain	2	All branches/ functions
11	Manufacturing Excellence/ Operational Excellence with Cost-Benefit Analysis	2	Business Excellence group. Advisory group in Plant Reliability and Availability



Asset Excellence Through People Excellence



CRD Institute of Excellence

World-Class Programs

On-Line / On-Site / Short-term & Long-term

Sl.No.	Course/ Workshop Title	Days	Target Participants
12	Root Cause Analysis (RCA / RCFA)	2	All branches/ functions (especially Mech./ Elect./Inst.)
13	Energy Saving Opportunity in Reliability and Maintenance	1	Energy engineers and Mech./ Elect./ Operation engineers)
14	Condition Monitoring/ CBM/ Pd.M. (covering all latest Techniques)	2 or 3	All branches/ functions
15	Vibration Analysis of Rotating Machinery (Focus on Enhancing Diagnostics Skills in Industry 4.0)	2 or 3	Mech./ Elect./ Inst./ Rotary, Structural, Reliability and Condition Monitoring Engineers
16	Vibration Analysis of Structure & Pipelines (Focus on Enhancing Diagnostics Skills with Inter-disciplinary approach)	2	Mech./ Elect./ Inst./ Rotary, Structural, Reliability and Condition Monitoring Engineers
17	RCM and RBI in Asset Maintenance Strategy Development	3	Mech./ Elect./ Inst./ Rotary, Structural, Reliability and Condition Monitoring Engineers
18	Noise & Vibration Analysis Fundamentals	1	All branches/ functions
19	Thermal Imaging – multidisciplinary cost saving tool for process assets	1 or 2	Mech./ Elect./ Inst./ Rotary, Structural, Reliability and Condition Monitoring Engineers
20	Lubricant and Lubricant Analysis	2	Maintenance in Mech./ Elect., Rotary, Reliability and Condition Monitoring Engineers
21	Spare Management and Reclamation techniques for cost reduction	2	Maintenance in Mech./ Elect., Rotary, Reliability Engineers
22	Dynamics and Troubleshooting of Turbo Machines (exclusive program for STG, GTG, Compressors)	2	Operation and Maintenance in Mech./ Elect., Rotary, Reliability Engineers



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On-Line / On-Site / Short-term & Long-term

Sl.No.	Course/ Workshop Title	Days	Target Participants
23	Dynamic Balancing Principles & In-situ & Shop Balancing of rotors	2	Maintenance in Mech./ Elect., Rotary, Reliability Engineers
24	Acceptance Testing of Rotors in workshop and in commissioning	2	Maintenance in Mech./ Elect., Rotary, Reliability Engineers
25	On-line and Off-line Vibration Monitoring – Systems, Instrumentation, Diagnostics and Software	2	Project, Operation, Maintenance in Mech./ Elect., Rotary, Reliability Engineers
26	CBM/PdM - Effective System Development (plant wide, multi-OEMs product scenario)	1	Maintenance in Mech./ Elect., Rotary, Reliability and Condition Monitoring Engineers
27	Machine Alignment Principles and Techniques with Vibration Response study	2	Maintenance in Mech./ Elect., Rotary, Reliability Engineers
28	Knowledge Management in Reliability and Maintenance (New Dimension to HR Capital Utilization. Focus on Industry 4.0))	1	Maintenance in Mech./ Elect., Rotary, Reliability and Condition Monitoring Engineers
29	An anatomy of TPM /OEE concept with RCM/ RBI initiatives	1	Operation & Maintenance in Mech./ Elect., Rotary, Reliability and Condition Monitoring, Operational Excellence Engineers
30	Assessment of Effectiveness of Reliability and Diagnostics Management Program	1	Operation & Maintenance in Mech./ Elect., Rotary, Reliability and Condition Monitoring, Operational Excellence Engineers
31	Technology & Innovation Management (New dimension to manage Innovation in Corporate)	1	Operation & Maintenance in Mech./ Elect., Rotary, Reliability and Condition Monitoring, Operational Excellence Engineers
32	Bridge Program for Fresh Engineers (for enhancing Employability. It covers all aspects of immediate industry needs)	15	GETs, PGETs, Final Year Students



Asset Excellence Through People Excellence



Center for Reliability and Diagnostics

PEOPLE first in our strive for Excellence

Who we are

M/S Center for Reliability and Diagnostics (CRD) is a registered firm, based in the commercial capital of India, Mumbai, dedicated to management of critical assets by providing specialized plant reliability & maintenance knowledge and related services. CRD attempts to bridge the knowledge gaps between industry & academia on multiple disciplines, namely mechanical, electrical, chemical, structural, instrumentation and control, and information technology etc. keeping pace with the needs of Industry 4.0

Our approach is PEOPLE-FIRST that is to empower the people with the right knowledge on equipment, reliability, maintenance and diagnostics technologies.

Company We Served



Reach us



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