

Two Days Workshop Course Outline for Reliability Centered Maintenance

UNDERSTANDING EQUIPMENT MAINTENANCE

- ✓ Why Do Machines fail, Maintenance perspective of Equipment?
- ✓ Machine Maintenance Practices Evolution.
- ✓ Introduction to Asset Management frameworks
- ✓ Factor responsible for Emergence of RCM
- ✓ How RCM is different from traditional Maintenance Approaches

ELEMENTS OF RCM

- ✓ Important terms used in RCM Methodology.
- ✓ Physics of Failure
- ✓ Operational risk Assessment
- ✓ Equipment Life Cycle approach
- ✓ Reliability Engineering.
- ✓ Evident and Hidden failures
- ✓ Quality control and Assurance in Maintenance Operations
- ✓ Managing Human Error in Reliability Domain.
- ✓ Main Quality tools used for RCA, FMEA SPC
- ✓ Defect Elimination

RCM IMPLEMENTATION PROCESS.

- ✓ Make a cross functional team led by an experience facilitator.
- ✓ Determine the Scope of RCM project.
- ✓ Do Equipment criticality analysis of Plant.
- ✓ Carryout rigorous FMEA and Quantify the risk of Failures.
- ✓ Selection of Preventive strategies.
- ✓ Embedded the RCM outcomes and triggers as a part of your business processes SOPs and Skill Matrix.

