**Shaft Alignment & Vibration Analysis**

**Course Objectives:**

* Identify different types of shaft misalignment and their effects and learn various practical shaft alignment methods
* Identify types of vibrations and vibrating systems, model and analyze vibrating systems and learn about effects of mechanical vibrations on various components
* Understand the basic concepts of conditions monitoring, its types, and importance of vibration analysis in condition monitoring and learn about different techniques and tools used for vibration analysis.

**Course Outlines:**

* Introduction to shaft misalignment, types of misalignment, effects of misalignment. Shaft alignment techniques, dial indicator method, reverse indicator method, laser alignment. Coupling Misalignment. Introduction to mechanical vibrations, desirability and undesirability, types of vibrations, classification of vibrating systems. Modeling and analysis of single DOF systems, introduction to multi DOF systems. Effects of vibrations on various parts like shafts, bearings and foundations. Condition monitoring basics, predictive vs. preventive maintenance, types of condition monitoring, importance of vibration analysis, tools and techniques used for condition monitoring, position.

**Who Should Attend?**

* Technician and supervisors responsible for operation, inspection and maintenance of rotating equipment.

**Duration:** 10 Days

**For more information:**

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