

P.C.E.T'S
S. B. Patil Institute of Management

Certification Course in Lean Manufacturing

Syllabus

1. **INTRODUCTION TO LEAN MANUFACTURING** - Conventional Manufacturing versus Lean Manufacturing – Principles of Lean Manufacturing – Basic elements of lean manufacturing – Introduction to LM Tools. (6 hours)
2. **CELLULAR MANUFACTURING, JIT, TPM** - Cellular Manufacturing – Types of Layout, Principles of Cell layout, Implementation. (6 hours)
3. **JIT** – Principles of JIT and Implementation of Kanban. TPM – Pillars of TPM, Principles and implementation of TPM. Set up time reduction, TQM, 5S, VSM - Set up time reduction – Definition, philosophies and reduction approaches. (8 hours)
4. **TQM** – Principles and implementation. 5S Principles and implementation - Value stream mapping - Procedure and principles. (6 hours)
5. **Various case studies** of implementation of lean manufacturing at industries. (6 hours)

