

LEAN THINKING - BASIC

Module Units

Tutorials

Case Studies

Discussions

Assignment-1

Assignment - 2

1

LEARNING OUTCOMES

- Upon completion of this module, students will be able to:
 - To describe what Lean actually means,
 - To describe its contextual perspective
 - To provide you with a working knowledge of basic tools available within the Lean toolbox.

MODULE UNITS

- Unit 01 Module Introduction
- Unit 02 Introduction to Lean Management
- Unit 03 Value Stream Mapping
- Unit 04 Cellular Manufacturing
- Unit 05 Workplace Standardisation and Standard Unit 06 Pull Systems
- Unit 07 SMED and 5S
- Unit 08 Kaizen

TUTORIALS

- VSM intro
- Transactional Value Stream Mapping
- Transactional VSM examples
- Current State VSM
- VSM Lean guidelines
- Future State VSM
- Cells
- 5S
- Pull
- SMED
- Kaizen

CASE STUDIES - MANUFACTURING

- Medical Device Manufacturer case study
- Medical Device Lean transformation story
- 08-01 Chen A Kaizen Approach for Cellular Manufacturing System Design: A Case Study
- Using VSM in Medical Device development

CASE STUDIES - TRANSACTIONAL

- The joy of Lean Innovation - Menlo
- Transforming the Starbucks experience

CASE STUDIES - HEALTHCARE

- Operating Room Patient Flow Improvements
- 06-04 Piloting Lean in Healthcare - A Case Study

DISCUSSION BOARDS

- Discussion Board Guidelines
- Discussion Board Groups

ASSIGNMENT 1 — STANDARD WORK

- Set of Blank Standard Work Forms
- Blank Process Observation Form
- Blank TT/CT Chart
- Blank Process Capacity Table
- Blank Std Work Combination Sheet
- Blank Std Work Chart
- Standard Work slides with worked Admin example
- Basic Standard Work Example
- Std Work Example_Pizza-2 operators

ASSIGNMENT 2 – A3

- A3 Report -basics
- A3 explanatory notes
- A3 Report - Sobek
- A3 Report - 50 questions to ask
- A3 explained
- A3 Example 1 - Fin services
- A3 Example 2 - Manufacturing
- A3 Example 3 - Manufacturing
- A3 Example 4 - Home Improvement
- A3 Template (Lean Enterprise Institute)
- A3 Template (Toyota)
- Blank A3 (ppt)-1
- Blank A3 (Excel)-1
- Blank A3 (Excel)-2