

DEPARTMENT OF MECHANICAL ENGINEERING

VLCI-Module -2 Execution Plan:

Title: Evolution of Modern Manufacturing

| Session | Topic | No of Hrs / Chapter | How Much | How |
|---|--|---------------------|----------|-----------------|
| Introduction | | | | |
| 1 | Introduction - Types of Manufacturing | 2 | 1 | PPT |
| | Input – Output Model of Manufacturing | | 1 | PPT |
| Evaluation of Craftsman (Job) Production | | | | |
| 2 | Characteristics of Craft Production | 2 | 1 | PPT |
| | Advantages and Disadvantages of Craft (Job) production | | 1 | PPT |
| Assembly Line Production | | | | |
| 3 | Characteristics – Suitability of Mass Production – Advantages of mass production | 7 | 1 | PPT |
| | Example of evolution of cloth stitching (Tailor to Garment Factory) | | 3 | Practical |
| | Difference between Job Production v/s Mass Production | | 4 | PPT / Practical |
| Factory Concept | | | | |
| 4 | Introduction - Types of Waste – Things seen in Factory | 31 | 1 | PPT |
| | Finish Goods (FG) store, Packing Section, Inspection and Testing Section, Assembly | | 10 | PPT / Practical |

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|---|--|-----------|------------------|
| Line, Shop Floor, Machines, Material Handling Equipment, Store Room, | | | |
| Tool Room | | 1 | PPT |
| Organization of Men – Technical Staff, Office Staff, Shop Floor Worker | | 1 | PPT |
| Types of Materials – Raw Material, Semi Finish Parts / Work in Process, Finished Goods, Tools, Spares, Consumables, Scrap | | 7 | PPT / Practical |
| College Canteen / Kitchen & Factory – Input / Output Process model, Supplier | | 1 | PPT / Practical |
| Manufacturing – Customer Model – Flow Model (Information, Material, Operators)- Factory Language – Vocabulary | | 10 | PPT / Practical |
| Total No Hours | | 45 | Practical |