

- Dr. Manoj Gadre: ICT and E resources usage

1. MS Office,

2. Website,

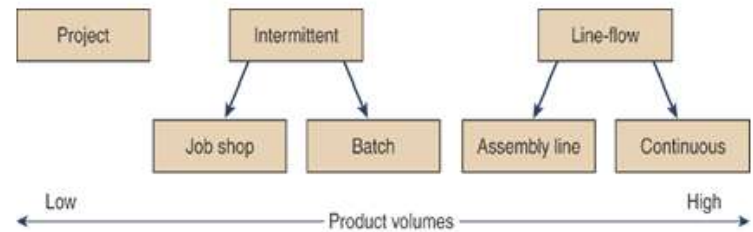
3. Video,

4. G-suite: Google Form

MS Office: Sample PPT of OSCM

METHODS OF MANUFACTURING

Types of Processes



Batch Production

- ❑ Batch production normally produces a **moderate volume**.
- ❑ Goods are produced usually in **larger quantities than in the job shops**.
- ❑ The volume of production depends on the capacity of the process equipment.



Process design for operations

Salient feature of alternative choices

Flow Characteristics	Continuous	Intermittent	Jumbled
Product Characteristics	High Volume, Very low variety	Mid volume, Mid variety	Very high variety, low volume
Examples of production systems	Process Industry, Mass production systems in discrete manufacturing	Batch production in Process and discrete manufacturing	Project Organisations, Tool Rooms, General purpose fabricators
Issues of importance	Flow Balancing, Maintenance, Capacity utilization and debottlenecking, Vertical integration	Manufacturing system and layout design, Changeover management, Capacity planning and estimation	Capacity Estimation, Scheduling, Production Control, Cost estimation
Operations Management Tools & Techniques	Line Balancing, Maintenance management, Process optimisation, Product layout design, Flow shop scheduling, Pull type scheduling, Single piece flow design	Forecasting, Capacity Planning and estimation, Optimized production planning and product sequencing, Group Technology layout design, Materials Management	Project Management & Scheduling, Capacity planning and optimization, Job shop scheduling, Functional Layout design, Job order costing, Work in Process Management

Example: Websites referred

- <https://economictimes.indiatimes.com/topic/Operations-Management>
- <http://www.supplychainupdate.co.za/>
- <https://www.youtube.com/watch?v=5ZBqa-V3up8>
- <http://www.scdigest.com/>
- <https://www.youtube.com/watch?v=FkVJ5no4U1A>

Example: Videos referred



JIT in Dell



Toyota just in time system at the factory (Remember to comment ,vote and Subscribe)

47,864 views



Google Forms: To conduct students practice sessions for MCQ's :205 OSCM

The screenshot displays a Google Forms editor interface. The browser's address bar shows the URL: <https://docs.google.com/forms/d/14q06zgh45SD9Y3Zle4h4I2mGPwflsJYCoB2ykApcifk/edit>. The form title is "OSCM MCQ 2018". The interface shows two tabs: "QUESTIONS" and "RESPONSES" (with a count of 88). The "Total points" are set to 43. The current question is a multiple-choice question with the following text and options:

1. Which one of the following would not generally be considered an aspect of operations management?

- A) Work methods
- B) Secure financial resources
- C) Maintain quality
- D) Product or service design
- E) Manage inventories

Below this question, there is another question:

Which one of the following is not a typical question dealt with by an operations managers?

- A) How much capacity will be needed in the months ahead?
- B) What is a satisfactory location for a new facility?

The interface includes a "SEND" button, a user profile icon with the letter "K", and a vertical toolbar on the right with icons for adding questions, text, images, videos, and sections. The Windows taskbar at the bottom shows various application icons and the system clock indicating 10:23 AM.