

INSTITUTE	FACULTY OF MANAGEMENT STUDIES
PROGRAM	BACHELOR OF BUSINESS ADMINISTRATION
SEMESTER	4
COURSE TITLE	PRODUCTION & OPERATIONS MANAGEMENT
COURSE CODE	04BB0401
COURSE CREDITS	4

Course Outcomes: After completion of this course, student will be able to:

- 1 Understand the relevance of production and operations management in industry.
- 2 Enable the students to manage the productive resources for the growth and competitiveness of any organization.
- 3 To recognize the production management and planning problems.
- 4 Apply principles and techniques in the design, planning and control of these systems to optimize /make best use of resources in achieving their objectives.
- 5 To recognize the production management and planning problems.
- 6 Apply the techniques of inventory management and quality management and To analyse and select the most appropriate methods and tools for the solution of problems related to production planning, shop floor scheduling and inventory control

Pre-requisite of course:None

Teaching and Examination Scheme

Theory Hours	Tutorial Hours	Practical Hours	ESE	IA	CSE	Viva	Term Work
4			50	30	20	0	0

Contents : Unit	Topics	Contact Hours
1	Introduction Meaning, Nature and Scope of Production and Operation Management, Types of production processes	8
2	Plant location and Lay out Factors considered in location, Types of Layout, PPC (Only concept)	10
3	Materials Management Importance of Materials Management, Concept of purchasing, principles of purchasing and process of purchasing., Types of purchasing, Inventory management, its prime importance, Inventory Control Techniques, GOLF, VED, SOS (only concepts).	12

Contents : Unit	Topics	Contact Hours
4	Methods Study & Maintenance Management Methods Study, Work Study and Time Study: (only Concept),, Maintenance Management, Need of maintenance management, Types of maintenance management	10
5	Quality Management lean manufacturing, JIT, Kaizen, ISO series, TQM	8
Total Hours		48

Textbook :

- 1 Production and Operation Management, K. Aswathappa and K. Shridhara Bhat, Himalaya Publishing House, 2018

References:

- 1 Production and Operation Management, Production and Operation Management, S.A.Chunawalla and D.R. Patel, Himalaya Publishing House, 2018
- 2 Production and Operation management, Production and Operation management, Kanishka Bedi, Oxford higher education, 2020
- 3 Operations Management, Operations Management, Mahadevan B, Pearson Education, 2018

Suggested Theory Distribution:

The suggested theory distribution as per Bloom's taxonomy is as follows. This distribution serves as guidelines for teachers and students to achieve effective teaching-learning process

Distribution of Theory for course delivery and evaluation					
Remember / Knowledge	Understand	Apply	Analyze	Evaluate	Higher order Thinking
20.00	30.00	25.00	15.00	10.00	0.00

Instructional Method:

- 1 Theory

Supplementary Resources:

- 1 https://www.vssut.ac.in/lecture_notes/lecture1429900757.pdf 2. <https://www.ddegjust.ac.in/studymaterial/bba/bba-303.pdf> 3. https://ebooks.lpude.in/management/mba/term_3/DMGT501_OPERATIONS_MANAGEMENT.pdf
- 2 https://www.vssut.ac.in/lecture_notes/lecture1429900757.pdf
- 3 <https://www.ddegjust.ac.in/studymaterial/bba/bba-303.pdf>
- 4 https://www.vssut.ac.in/lecture_notes/lecture1429900757.pdf
- 5 <https://www.ddegjust.ac.in/studymaterial/bba/bba-303.pdf>

Supplementary Resources:

- 6 https://ebooks.lpude.in/management/mba/term_3/DMGT501_OPERATIONS_MANAGEMENT.pdf
- 7 https://en.wikipedia.org/wiki/Production_and_Operations_Management
- 8 <https://www.icmrindia.org/case%20volumes/Case%20Studies%20in%20Operations%20Management%20-%20Vol.%20I.htm>