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| **BBA 601: Production and Operations Management** | |
| **Teaching Scheme** | **Examination Scheme** |
| Lectures: 3 hrs/Week | Class Test -12Marks |
| Tutorials: 1 hr/Week | Teachers Assessment - 6Marks  Attendance – 12 Marks |
| Credits: 4 | End Semester Exam – 70 marks |

# Course Objectives:

1. To increase understanding of the problems and opportunities faced by the operations manager in manufacturing and service operations.
2. To develop an ability to apply operations management concepts in a variety of settings.
3. To develop an understanding of operations management techniques in order to be able to evaluate recommendations made by technical specialist in the field.
4. To develop an ability of decision making in the field of operations management.
5. To develop an ability of deterministic and probabilistic approach of decision making.

# Detailed Syllabus

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| **Unit-1**  Production Management: Definition, Nature and Scope, functions of productions management, production systems, responsibilities of production managers. |
| **Unit-2**  Types of manufacturing systems: intermittence and continuous system, production design and development.  . |
| **Unit-3**  Plant Location-definition, types of plant locations, plant layout-definition, types of plant. |
| **Unit-4**  Material management and inventory control, Material Requirement Planning (MRP), Work in Process (WIP) inventories, purchasing economic lot quantity. |
| **Unit-5**  Economic Lot Quantity, Lead Time, reordering level, ABC Analysis, Stock-keeping, Objectives of Production Planning & Control (PPC). |
| **Unit-6**  Quality Control, quality assurance, quality assurance, quality circles, Total Quality Management (TQM), Just-in Time (JIT), JIT Statistical Quality Control. |
| **Text and Reference Books-**  1.Production and Operations Management, Chary: Tata McGraw-Hill, 1997, 9th edition.  2. Production and Operations Management, Adam Junior Everetl E. R J; Prentice-Hall, 2000, 5th edition.  3. Production and Operations Management, Goel B.S: Pragati Publication.  4. Production Management, Sareen Buffa; Wiley Pvt.Ltd, 8th edition. |

# Course Outcomes:

# Understanding the manufacturing technology.

# Understanding production system.

# To understand quality control of a manufacturing system.

# Understanding production planning and control.

# Understanding technological upgradations and its relation to the product.

# Understanding the effect of globalization on operations management.