

MBG5083 PURCHASING AND MATERIALS MANAGEMENT

Course Code	MBG5083	Semester	IV
Course Title	PURCHASING AND MATERIALS MANAGEMENT		
Credits	3	Type	Elective III-Operations

This skill-based course is enriched with concept applications, practical knowledge, and competency-oriented.

Course Description

- To introduce students to the basics of purchasing and material planning to controlling in an organization.

Course Outcome

By the end of the course, students are expected to be able to equip with the following outcomes:

1. Knowledge gained:
 - Demonstrate an understanding of the basic concepts in Materials Management.
 - Understand the Forecasting Techniques in Materials Planning and Budgeting.
 - Have an idea on the role of Purchasing, Suppliers and Vendors in Material Management.
2. Skill gained:
 - Skills on MRP, Budgeting , Value Analysis and Warehouse management with the latest technology.
3. Competency gained:
 - In-depth understanding of Store management, Layout and various disposals.
 - Ability to analyze and evaluate material handling through value analysis and engineering.

Course Structure

The following is a detailed syllabus.

Module I

Importance of materials management, integrated approach. Materials management at micro-macro levels. Total concept – Systems approach. The materials function – interfaces-Benefits of integrated systems approach.

Module II

Forecasting & Planning. Forecasting methods, factors affecting forecasts – Materials planning, Materials Cycle and Flow Control Systems, Materials Budget.

Module III

Purchasing, Purchasing organization, duties of purchasing department, centralized and localized purchasing, purchasing policies, budgets, methods of purchasing, buying

factors, source selection, source development, supplier performance appraisal make or buy decision, Vendor – Vendee relations, Vendor development, International purchasing – purchasing procedures and records : Requisition, purchases order follow up and expediting systems, receipt and inspection.

Module IV

Stores management and Control: Stores and Stores organization: organization of stores location and layout of stores; functions of stores keeping; stores records and procedure; salvage and surplus disposal & scarp disposal. Standardization and variety reduction. Merits and demerits of codification.

Module V

Materials handling systems basic principles. Types equipment, materials handling, movement and storage cost. Evaluation of material handling – Evaluation of value, essentials of value, essentials of value analysis and engineering. Organization for value analysis.

Testing & Evaluation (if any)

- Assignments
- Case analysis/ Problems
- Seminar/Project
- Discussions/ Group activity
- Internal Test

References

1. PremVrat (2016). Materials Management: An Integrated Systems Approach. Springer, First edition.
2. Chapman Stephen N., Arnold J. R. Tony, Gatewood Ann K. & Clive Lloyd M. (2017). Introduction to Materials Management. Pearson Education, Eighth edition. 81
3. Chitale A.K. & Gupta R.C. (2014). Materials Management a Supply Chain Perspective: Text and Cases. Prentice Hall India Learning Private Limited; Third edition.
4. Gopalkrishnan P. & AbidHaleem (2015). Handbook of Materials Management. Prentice Hall India Learning Private Limited; Second edition.
5. Gopalakrishnan P. (2017). Purchasing and Materials Management. McGraw Hill Education, First edition