INDUSTRIAL MANAGEMENT  
(Mechanical Engineering)

Course Code: 13HM1103  
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4 0 0 3

Course Educational Objectives:  
To familiarize with the process of management and to provide the basic insights in effective and efficient running of an industry using its human and non-human resources in order to achieve its set goals and objectives

Course Outcomes:  
To understand the management processes and evolve management levels for effective decision making

UNIT-I  
(10 Lectures)  
MANAGEMENT AND ORGANIZATION:  
Definition – meaning and nature of management- Functions of management- Evolution of management thought- Taylor’s Scientific management- Fayol’s Principles of management- Basic concepts related to organization- Departmentation, Delegation and Decentralization, Type of organization structures- authority, responsibility and accountability

UNIT-II  
(12 Lectures)  
MOTIVATION THEORIES AND LEADERSHIP:  
Definition, Meaning and Types of Motivation – Theories of Motivation- Douglas Mc Gregor Theory X and Theory Y, Mayo’s Hawthorne Experiment- Herzberg two factor theory of motivation, Maslow’s hierarchy of human needs  
Leadership: Definition, Meaning, Features and Types of Leadership (Autocratic, Democratic and Lassie Faire )

UNIT-III  
(12 Lectures)  
PLANT LOCATION & LAYOUT:  
Plant location – Definition, factors affecting the plant location, comparison
of rural and urban sites- methods of selection of plant. Plant layout-definition, objectives, types of production, types of plant layout-various data analyzing forms-travel chart

UNIT-IV (12 Lectures)

WORK STUDY:
Definition- objectives, method study- definition, objectives, steps involved – various types of associated charts- difference between micromotion and memomotion studies. Work measurement- definition, time study, steps involved –equipment, different methods of performance rating- allowances, standard time calculation. Work Sampling- definition and steps involved.

UNIT-V (14 Lectures)

INDUSTRIAL RELATIONS & LABOR WELFARE:

Labor welfare: Meaning- Statutory and Non Statutory Act

TEXTS BOOKS:

REFERENCES: