

INDUSTRIAL MANAGEMENT

Code : HU 802(EI)

Credits : 4

Module I

Growth of Industries, Management thoughts and scientific management, Taylorism; Factory system of production, Introduction to management problems, Types of manufacture, Planning analysis and control aspects in industries.

Types of business ownership, means of finance and business combinations, organization structures, committee organization, authority and responsibility, duty and span of control.

Module II

Plant location, factory buildings and physical facilities, plant layout, tools and techniques of plant layout, materials - handling arrangements. Product development, standardization, simplification and diversification.

Functions of production, planning and control, production forecasting, production scheduling and network techniques, Gantt chart, CPM, PERT.

Module III

Work study, job evaluation and merit rating; purchase system and inventory control. Inspection and quality control of systems, statistical quality control, maintenance and replacement policies for machine and equipments; decision making theories, breakeven analysis cost benefit analysis, evaluation of financial and managerial efficiencies

Introduction to operational research techniques. Application of fuzzy logic in modern management concepts.

Module IV

Human relations in industry and labour compensation. Personnel management, provision of industrial legislations in India. Wage and salary administrations. Welfare and safety provisions, trade union acts.

Study of environmental impacts and environmental laws. Professional ethics.