

ME 801 : Industrial Engineering

Contacts : 3L

Credits : 3

Production Planning and Control; Product: product design, customer requirements, value engineering, quality, reliability, service life, competitiveness;

Plant: location, layout, material handling, equipment selection, maintenance of equipment and facilities;

Processes: Job, batch and flow production methods, Group Technology Work study and Time and Motion study, Work/job evaluation, quality control (SPC), control charts;

Resource planning: production/ operation control, forecasting, capacity management, scheduling and loading, line balancing, break-even analysis, inventory of materials and their control, manufacturing planning, MRP - II, JIT.