DECISION SUPPORT SYSTEM FOR
MANAGERS

MULTI-FACULTY

TYPE OF COURSE : New | Elective | PG
COURSE DURATION : 12 weeks (20 Jul' 20 - 9 Oct' 20)
EXAM DATE : 18 Oct 2020

PRE-REQUISITES : Interested Learners

INTENDED AUDIENCE : Management, Industrial and Systems Engineering, Mechanical Engineering, and related disciplines.

INDUSTRIES APPLICABLE TO : Tata Group of Industries, Multinationals, L&T, and similar such manufacturing and service organizations including IT companies

COURSE OUTLINE :
This course is designed with the purpose of making the participant an effective user as well as a builder of Decision Support systems (DSS). The course is application oriented and particularly focused towards solving semi-structured decision problems faced by managers in manufacturing and service organizations.

ABOUT INSTRUCTOR :

MULTIFACULTY

COURSE PLAN :


Week 3: Decision Support System for Evaluation of Investment Proposals

Week 4: Decision Support System for Materials Managers

Week 5: Decision Support System for Forecasting Demand for Independent Items – single and multi-period forecasting, forecasting for products with intermittent demand

Week 6: Decision Support System for Determination of Product Mix – product choice and bundling decisions, product mix decisions

Week 7: Decision Support System for Production Distribution Problem for a Multi-Product and a Multi-Unit Organization

Week 8: Decision Support System for Vehicle Scheduling

Week 9: Decision Support System for Customer Centric Value Driven Decisions – designing the service system

Week 10: Decision Support System for Human Resources Function

Week 11: Decision Support System for Distribution Network Design in a Supply Network

Week 12: Decision Support System for Pricing Decisions