Logistics and Supply Chain Management
Course Outcomes

CO1

Given a business situation containing the data (material and information flow) from supplier to manufacturer to the retailer, the student manager will be able to identify and explain the best Supply Chain strategy from the five supply chain strategies.

CO2

Given a particular type of product, its manufacturer and customer, the student manager will be able to select, construct and explain the appropriate distribution network design type.

CO3

Supplier is not able to deliver the products to the manufacturer because of one of the reasons (such as exchange rates, reliability of transportation channels, transfer price, political stability, and natural calamity). Student manager will be able to explain different types of uncertainties its solutions.

CO4

Student manager will be able to explain all the modes of transportation and for given a situation, would be able to identify the appropriate mode of transportation.

CO5

Student manager will be able to explain the role of technology in intermodal freight transportation and enlist and explain various technological tools, for intermodal freight security.

Operations Research
Course Outcomes

CO1

Given a verbal descriptive problem (management, industry or miscellaneous) with numerical data, the student manager will be able to define the variables, establish the inter-relationships between them, formulate the objective function and constraints and solve the problem graphically   for optimization.

CO2

Given/ specified the competition scenario between two players and their payoffs in advance, the student manager will be able to identify the saddle point and/ or determine the optimum strategies of both the players that would result in optimum payoff (gain or loss)to both the players.

CO3

Given a set of limited resources, a set of limited activities and related cost/ profit matrix, the student manager will be able to assign one resource to one activity so as to maximize or minimize the given measure of effectiveness.

CO4

Given a business situation containing the transportation costs from n sources to m destinations, the student manager will be able to associate one source to one destination to minimize the cost of transportation.

CO5

In a decision making environment that is represented by numerical data, the student manager will be able to apply relevant operations research technique for managerial decision making and problem solving.