

EDS 320- Introduction to Operational Research

Definitions, origin, development of operations research, usefulness and limitations, modelling in Operations Research; Decision analysis; Mathematical programming concepts formulation, analysis and application of linear and non-linear programming, Dynamic, integer and goal programming, theory of games; two-person, zero-sum features and limitations; System models - system dynamics, advanced simulation; Queuing Theory and Application: Theory of Stochastic process, Theory of Queues.