

**Course:** Operation Research

**Scheme : 2010**

**Course Code: 10CS661**

**Sem: 6**

	Course Outcome	POs/ PSOs	CL	Class Sessions (approximate)	Tutorial (Hrs)	Lab Sessions (Hrs)
CO1	Understand the objectives, phases, models, used in operation research	PO1, PSO1	U	6	NA	NA
CO2	Solve linear programming problems using simplex method ,Big M method 2-phase method	PO1, PO3, PSO1	Ap	11	NA	NA
CO3	Solve linear programming problems using revised simplex method, duality theory and post optimality analysis	PO1, PO3, PSO1	Ap	7	NA	NA
CO4	Solve problems on transportation and assignment problems	PO1, PO3, PSO1	Ap	9	NA	NA
CO5	Solve problems of game theory ,and queuing theory.	PO1, PO3, PSO1	Ap	10	NA	NA
CO6	Understand the nature of metaheuristics, simulated annealing ,genetic algorithms and tabu search method	PO1, PSO1	U	9	NA	NA
Total Hours of instruction				52		