SUBJECT NO-MA41010, SUBJECT NAME- Non Linear Programming
LTP- 3-1-0,CRD- 4

SYLLABUS :-
Prerequisite: Operations Research

Convex set, Convex function, Generalized convex functions. Fritz John and Karush- Kuhn – Tucker optimality condition, duality, Convex programming problems, Quadratic programming, Fractional programming, Separable programming, Non linear integer programming. Constrained Optimization: One dimensional search methods, Multi-dimensional search methods. Unconstrained optimization: Conjugate gradient method, Generalized reduced gradient methods, Method of feasible direction.