Optimization Techniques in Operation Research

By C. B. Gupta

I.K. International Publishing House Pvt. Ltd., 2012. Paperback. Book Condition: New. Second Edition. 16cm x 24cm. This book meets the requirements of Engineering/Science and Management students at graduate and postgraduate level. Main topics discussed in the book are: Linear Programming including duality and sensitivity analysis, Non-linear programming including quadratic and separable programming, Transport and assignment problem, Game theory, Integer programming including Traveling Salesman problem, Goal programming including multi-objective programming, Network analysis (CPM and PERT), Sequencing problem, Dynamic programming. Two new chapters, viz., ôIntroduction to Optimizationö, ôClassical Optimization Techniquesö, some more solved, unsolved examples and a new article on processing 2-jobs through k-machines in Chapter 13, have been added in the present edition. Special features of the book: A very comprehensive and accessible approach in the presentation of the material, A variety of solved examples to illustrate the theoretical results, A large number of unsolved exercises for practice at the end of each section, Solutions to all unsolved examples are given at the end of each exercise.

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