



Operations Management: A Quantitative Approach

P.B. Mahapatra

Download now

[Click here](#) if your download doesn't start automatically

Operations Management: A Quantitative Approach

P.B. Mahapatra

Operations Management: A Quantitative Approach P.B. Mahapatra

This text is an extensively revised and a thoroughly expanded version of the author's earlier book entitled Computer-Aided Production Management. It is specially designed to suit the latest syllabi of courses on Production/ Operations Management offered by various universities to the undergraduate students of Mechanical Engineering, Production Engineering and Industrial Engineering as well as students of Master of Business Administration (MBA) specializing in Production and Operations Management stream.

The book offers a balanced coverage of the fundamental principles of managing operations and the quantitative techniques used to support the functions of operations management. There are many worked-out examples in each chapter to enable students to comprehend the quantitative material of the book.

The text is divided into two parts. Techniques of operations research such as linear programming, transportation assignment models, dynamic optimization and waiting line models are discussed in Part I. These topics serve as prerequisites for solving problems in Operations Management discussed in Part II. Some generic classes with functions for array and matrix manipulation, analysis of queuing models and evaluation of probability for some standard distributions have been defined and used throughout for writing programs for diverse managerial applications.

Part II is devoted to a detailed discussion of management functions such as Product Design and Development, Forecasting, Capacity Analysis, Plant Layout, Assembly Line Balancing, Inventory Control, Materials Requirement Planning, Production Scheduling, Quality Control, Total Quality Management, Just in Time (JIT), Supply Chain Management, Maintenance Management and Six Sigma. Small computer programs have been given wherever required for solving practical problems. The functions developed in generic base classes have been used to take advantage of source code reusability offered by Object Oriented Programming (C++).

The book provides a solid and comprehensive introduction to the core tasks of operations management with practical guidance on how to solve problems through computer programming.



[Download Operations Management: A Quantitative Approach ...pdf](#)



[Read Online Operations Management: A Quantitative Approach ...pdf](#)

Download and Read Free Online Operations Management: A Quantitative Approach P.B. Mahapatra

From reader reviews:

Madeline Wayt:

Book is to be different for every grade. Book for children till adult are different content. As you may know that book is very important for all of us. The book Operations Management: A Quantitative Approach seemed to be making you to know about other knowledge and of course you can take more information. It is rather advantages for you. The publication Operations Management: A Quantitative Approach is not only giving you far more new information but also for being your friend when you truly feel bored. You can spend your own spend time to read your publication. Try to make relationship together with the book Operations Management: A Quantitative Approach. You never truly feel lose out for everything in the event you read some books.

Louise Best:

This Operations Management: A Quantitative Approach book is not ordinary book, you have it then the world is in your hands. The benefit you obtain by reading this book is usually information inside this publication incredible fresh, you will get information which is getting deeper you actually read a lot of information you will get. This particular Operations Management: A Quantitative Approach without we know teach the one who reading it become critical in considering and analyzing. Don't end up being worry Operations Management: A Quantitative Approach can bring any time you are and not make your tote space or bookshelves' turn out to be full because you can have it inside your lovely laptop even cellphone. This Operations Management: A Quantitative Approach having excellent arrangement in word and also layout, so you will not sense uninterested in reading.

Pamela Bradley:

The particular book Operations Management: A Quantitative Approach has a lot of information on it. So when you check out this book you can get a lot of advantage. The book was published by the very famous author. The author makes some research prior to write this book. This kind of book very easy to read you can obtain the point easily after scanning this book.

Marcus Casale:

This Operations Management: A Quantitative Approach is completely new way for you who has fascination to look for some information because it relief your hunger of knowledge. Getting deeper you into it getting knowledge more you know or else you who still having bit of digest in reading this Operations Management: A Quantitative Approach can be the light food for you because the information inside this book is easy to get through anyone. These books build itself in the form which can be reachable by anyone, sure I mean in the e-book web form. People who think that in book form make them feel drowsy even dizzy this book is the answer. So there isn't any in reading a guide especially this one. You can find actually looking for. It should be here for an individual. So , don't miss this! Just read this e-book sort for your better life as well as knowledge.

Download and Read Online Operations Management: A Quantitative Approach P.B. Mahapatra #465FZ1VL9CU

Read Operations Management: A Quantitative Approach by P.B. Mahapatra for online ebook

Operations Management: A Quantitative Approach by P.B. Mahapatra Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Operations Management: A Quantitative Approach by P.B. Mahapatra books to read online.

Online Operations Management: A Quantitative Approach by P.B. Mahapatra ebook PDF download

Operations Management: A Quantitative Approach by P.B. Mahapatra Doc

Operations Management: A Quantitative Approach by P.B. Mahapatra MobiPocket

Operations Management: A Quantitative Approach by P.B. Mahapatra EPub