

# Production Operations Management

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Production Operations Management: Contemporary Policy for Managing Operating Systems  
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this book presents lucid treatment of a wide range of issues involved in production and operations management it focuses on the latest techniques in production planning and control considered to be pivotal for organizations which aim at maximizing their productivity and profitability the book further discusses in detail the production system concept facility location plant layout design production scheduling mass production techniques such as assembly line balancing maintenance planning and control scheduling quality control and modern production management tools that include cim tqm and iso 9000 series primarily designed as a textbook for various courses like bbm bba b com mba and also useful for students pursuing courses production and operations management mechanical industrial and production engineering of bangalore and other indian universities salient features book is written in simple and lucid style contents are presented in a most meticulous manner charts are provided for easy understanding of the concepts exercises are designed for self evaluation and include objective type analytical type and application type questions contains examination question bank contains exhaustive glossary of terminologies focuses on materials management concepts and techniques focuses on plant location and layout concepts focuses on statistical quality control concepts and technique focuses on industrial engineering concepts such as time motion study maintenance management waste management automation

the material in this book is intended as an introduction to the field of production and operations management it is suitable for both undergraduate and graduate students

covers key aspects of managing either the production function responsible for manufacturing a product or an operations function responsible for providing a service the book includes case studies reflecting the nature of management an lpb edition is available

contents organisation an outline of the problem the classic economic production quality model the timing of labour transfers in dual resource constrained systems procedures for determining relative frequencies of production materials a discrete production switching rule for aggregate planning replanning frequencies for master production schedules new technology investments in multistage production systems simulation approach for determining maintenance crew size for a machine shop a case study quality control productivity and materials management product structure complexity and multilevel lot sizing using alternative costing policies budgeting in public enterprises

concerns the management of the essential parts of any business the goods producing and service producing processes this revised and updated edition includes 22 international case studies which illustrate the practical applications of issues discussed in the book

market desc manufacture managers and executives about the book the thrust of this edition is more quantitative in approach and more comprehensive in its discussion of strategic issues it provides treatments of multi criteria decision methods quality control and operations strategy not found in other texts divided into four sections the first convincingly demonstrates that the operations function is of paramount importance in the success of a firm the second section presents quantitative models and the third and final sections discuss the design of operations systems advanced technologies strategy formulation and implementation

the productivity of operations is often improved by using industrial engineering and operations research techniques thus operations management is composite area and this book is also diverse and cross functional in characteristic it links both manufacturing and the service sectors on one extreme it is linked with sales and marketing management and on the other extreme linked to purchase and material management these days lean thinking is more prominent and the book covers many such new concepts and cases of operations management the present publication attempts to provide basic reading material for students of production and operation management in mba bba and engineering programs the chapters relate to the identified and new areas of production and operations management they include the cases on location layout and capacity planning and the focus on advanced topics like scm wcm and six sigma etc make this book a value addition to rather a merged literature on this vital and ever changing subject

about the book this book presents lucid treatment of a wide range of issues involved in operations management it emphasises on the analysis and quantitative techniques for the overall role of operations management in organisations which aim at maximis

this book covers the emerging and important topics related to production and operations management in a systematic way it covers not only the essentials of planning designing managing and controlling of manufacturing operations but also a number of relevant topics such as total preventive maintenance environmental issues in production system advanced production system total productivity management and work system design which are not covered in many books the book is a useful resource for undergraduate and postgraduate students of mba programmes as well as b tech and m tech programmes of production and industrial engineering key features theories and concepts based on day to day practical applications in the industry large number of solved examples to explain the theoretical concepts case study at the end of each chapter to illustrate the theory brings out the link between linear programming and its applications

structured around the 5 ps model product plant processes programmes and people this text considers production and operations management this edition contains greater coverage of

quality and reliability short term forecasting and new material on opt mrp and mrp ii

discover the comprehensive operations management e book designed specifically for mba ii sem students at anna university chennai published by thakur publications this essential resource offers in depth insights practical strategies and real world case studies to enhance your understanding of operations management principles master the art of optimizing processes improving productivity and achieving operational excellence with this must have e book for mba students get your copy today and gain a competitive edge in the world of business

the third edition of production and operations management has been updated with one new chapter new sections and new exhibits and case studies the text material has been restructured to focus on the changes since the last edition it now has 16 chapters beginning with an introduction to the basic concepts of production and operations management it goes on to discuss operations strategies new product development and outsourcing and offshoring it provides in depth coverage of the core components of facility capacity and layout planning project management inventory management and total productive maintenance the book explores issues and challenges operations scheduling demand forecasting and service operations management

since the beginning of mankind on earth if the busyness process was successful then some form of benefit sustained it the fundamentals are obvious get the right inputs materials labor money and ideas transform them into highly demanded quality outputs and make it available in time to the end consumer illustrating how operations relat

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