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this book is specially designed for b tech and mba students it explains in a simple but thorough manner the fundamental concepts and techniques involved in both production and operations management sufficient examples are included throughout the text to illustrate these concepts and techniques

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

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

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 relate to the rest of the organization production and operations management systems provides an understanding of the production and operations management p om functions as well as the processes of goods and service producers the modular character of the text permits many different journeys through the materials if you like to start with supply chain management chapter 9 and then move on to inventory management chapter 5 and then quality management chapter 8 you can do so in that order however if your focus is product line stability and quick response time to competition you may prefer to begin with project management chapter

7 to reflect the continuous project mode required for fast redesign rapid response slides lectures excel worksheets and solutions to short and extended problem sets are available on the downloads updates tabs the project management component of p om is no longer an auxiliary aspect of the field the entire system has to be viewed and understood the book helps students develop a sense of managerial competence in making decisions in the design planning operation and control of manufacturing production and operations systems through examples and case studies the text uses analytical techniques when necessary to develop critical thinking and to sharpen decision making skills it makes production and operations management p om interesting even exciting to those who are embarking on a career that involves business of any kind

chapter 1 introduction to production and operations management chapter 2 strategic operations management chapter 3 production processes manufacturing and service operations chapter 4 design of production systems chapter 5 manufacturing technology chapter 6 long range capacity planning chapter 7 facility location chapter 8 facility layout chapter 9 design of work systems chapter 10 production operations planning and control chapter 10 aggregate planning and master production scheduling chapter 11 resource requirement planning chapter 13 shop floor planning and control chapter 14 quality management chapter 15 maintenance management chapter 16 introduction to materials management chapter 17 inventory management chapter 18 justIntime systems chapter 19 logistics and supply chain management index 557564

production management by dr r c bhatia and suresh fauzdar is a publication of the sbpd publishing house agra production management by dr r c bhatia is a publication of the sbpd publishing house agra the text of this book has been developed and designed to cater to the needs of bba students and other professional courses the book makes an attempt to cover the theoretical practical and applied aspects of production management this book captures the essence of the changing global management culture as applicable to the practising discipline of

production management salient features of the book an indispensable text for students of bba and other undergraduate and postgraduate courses in production management and commerce the latest thinking in the field of production management have all been put in one place for the benefit of students the topics have been presented in a simple concise and interesting style

this unique book provides a guide to the selection of appropriate production and manufacturing methods for postgraduate and professional manufacturing engineers it starts by helping the reader to identify the required objectives of industrial management for their particular situation having identified the objectives an analytical assessment of the available production and management methods is made the analytical system presents an objective method of production selection for example this practical book will help the reader to decide whether or not a local just in time process is needed or a full chain jit method is needed alternatively the problem may be deciding between set up time reduction or changeover time reduction should tqm be ceded to pcis this book covers nearly all methods of production and manufacturing and will prove the most comprehensive guide to choosing and using these methods only book of its kind available widest coverage of methods available analytical approach to decision making

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

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

this text has been developed through extensive research to reflect both the new practices and traditional concepts that instructors feel are important for students to know starr uses real world themes such as quality technology people and teamwork globalization service and manufacturing environmental awareness and initiatives and problem solving four real world cases are included spotlighting tom s of maine rosenbluth international global concepts inc at celesticas facility in little rock and the saturn corporation on quality service smart technology and the environment respectively this text follows a systems approach that is both systematic and constructive starr integrates om decisions with the functional areas of business whose challenge is to make the firm perform as a team it combines the methods of analysis and synthesis which lead to better decisions and problem solving skills for complex situations

this book explains why operations management tools are critical and how to successfully use them over 200 examples from real companies show how non operations professionals are using operations management concepts daily it also introduces operations strategy early and often throughout to show how operational decisions are crucial to developing and executing a company s overall strategy production systems and operations management operations strategy tours of operations forecasting capacity planning and facility location selecting the process structure and technology the quality management system aggregate planning managing materials with dependent demands operations and personnel scheduling project planning and scheduling

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