



COMPUTER-AIDED PRODUCTION MANAGEMENT

P. B. MAHAPATRA



Computer Aided Production Management By P B Mahapatra

KJ Lindholm-Leary



Computer Aided Production Management By P B Mahapatra:

Computer-Aided Production Management P. B. Mahapatra, 2004-08-01 **Operations Management : a Quantitative Approach** P. B. Mahapatra, 2010 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 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 Books In Print 2004-2005 Ed Bowker Staff, Staff Bowker, Ed, 2004 **Computer-Aided Production Management** Asbjorn Rolstadas, 2012-12-06 The purpose of this book is to discuss the state of the art and future trends in the field of computerized production management systems It is composed of a number of independent papers each presented in a chapter Some of the widely recognized experts in the field around the world have been asked to contribute lowe each of them my sincere gratitude for their kind cooperation I am also grateful to Peter Falster and Jim Browne for their kind support in helping me to review topics to be covered and to select the authors This book is a result of the professional work done in the International Federation of Information Processing Technical Committee IFIP TC5 Com puter Applications in Technology and especially in the Working Group WG5 7 Computer Aided Production Management This group was established in 1978 with the aim of promoting and encouraging the advancement of the field of computer systems for the production management of manufacturing off shore construction electronic and similar and related industries The scope of the work includes but is not limited to the following topics 1 design and implementation of new production planning and control systems taking into account new technology and management philosophy 2 CAPM in a CIM environment including interfaces to CAD and CAM 3 project management and cost engineering 4 knowledge engineering in CAPM 5 CAPM for Flexible Manufacturing Systems

FMS and Flexible Assembly Systems F AS 6 methods and concepts in CAPM 7 economic and social implications of CAPM

An Introduction to Computer Aided Production Management Stephen J. [from old catalog] Childe,1997 **An Introduction to Computer Aided Production Management** S. Childe,1996-11-30 The control of manufacturing operations is of crucial importance in industry The correct regulation of manufacturing activities makes the difference between meeting and missing customer requirements Nowadays computerised solutions are available as an aid to production management However many companies proceed to use sophisticated computer tools without first understanding the basic operating principles This book is written for students of manufacturing systems as well as people in industry who need a concise explanation of the concepts of Computer Aided Production Management CAPM or who may be looking for new ideas

Computer Aided Production Management Institution of Production Engineers (Great Britain),1984 *International Books in Print* ,1991 *Computer Aided Production Management* Institution of Production Engineers (Great Britain),Institution of Electrical Engineers,Institution of Mechanical Engineers (Great Britain),Society of Manufacturing Engineers, International Classification ,1986 Journal on theory and practice of universal and special classification systems and thesauri *Library & Information Science Abstracts* ,1990 *Computer Aided Production Management in Large Organisations: Theory and Application* Alan Roger Loxley,1993 A Model Based Approach to the Design and Implementation of Computer Aided Production Management Systems Adam Matthew Weaver,1995 **Computer Aided Production Management for Small/medium Sized Enterprises** James Kinsella,1995 **Computer Aided Production Management** Great Britain. Department of Trade and Industry,1984 Computer Aided Production Control S. K. Gupta,1973 **An Integrated Computer-aided Production Management System for Batch Chemical Processes** Barry John Cott,1989 *A Study of Computer Aided Production Management in UK Batch Manufacturing* ,1987 Computer Aided Production System Planning Allan Carrie,1976 *Computer Aided Production Planning in a Small Firm* A. Arinbjarnarson,R. V. V. Vidal,IMSOR.,1985

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