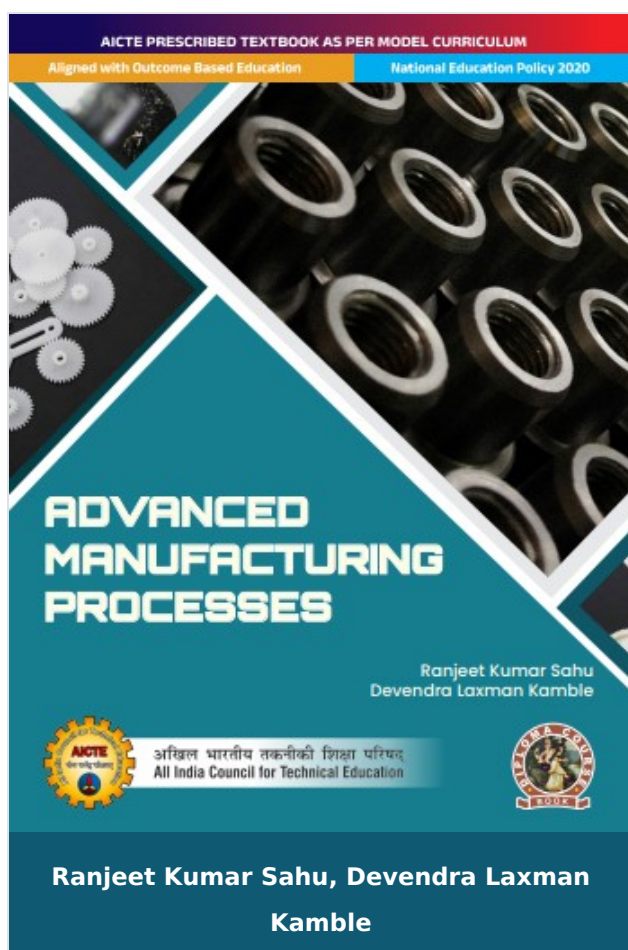




Advanced Manufacturing Processes

Author : Ranjeet Kumar Sahu, Devendra Laxman Kamble

ISBN 13 : 978-93-55385-56-7

ISBN 10 : 9355385560

E-ISBN 13 : 978-93-55385-56-7

Edition : First

Pages : 148

Type of book : Physical

Year : 2026

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 276.00

Categories : [English Books](#), [Book Store](#), [AICTE Prescribed Textbooks](#)

Condition Type : New

Country Origin : India

Product Description

Advanced Manufacturing Processes

The course Advanced Manufacturing Processes provides a fundamental knowledge on work and tool holding devices, machines and tools for processing of materials, and of the scientific principles behind modern processes. The course is presented in five units. Unit 1 deals with the jigs and Fixture; Unit 2 focuses on jig boring and plastic processing; Unit 3 covers modern machining processes; Unit 4 CNC Milling Machines and machine Tool Automation; and Unit 5 deals with special purpose machines and maintenance of machine Tools. All unit in the book provide the objectives of the study and expectations from the students in exercising OBE. This book is designed to serve as a valuable resource, offering both theoretical knowledge and practical guidance, so that the reader can realize the course effectively.

Salient Features:

- The content of the book is aligned with the mapping of course outcomes, programs outcomes and unit outcomes
- Both the student and teacher-centric subject materials are included in the book in a balanced and chronological manner.
- All figures, tables, and others are inserted to improve the clarity of the topic.
- Discussion on each unit helps the overall view of the chapter and helps in answering exercise questions.
- The book provides a lot of information and QR codes for E-resources.
- Explanations with underlying principles and detailed knowledge on machine tools and processes involved are the basics for the course Advanced Manufacturing Processes and, therefore, presented in a systemic way.

Table Of Contents

- Foreword
- Acknowledgement
- Preface
- Outcome Based Education
- Course Outcomes
- Guidelines for Teachers
- Guidelines for Students
- Abbreviations and Symbols
- List of Figures
- List of Figures
- Jigs and Fixtures
- Jig boring plastic processing
- Modern machining processes
- Machining center
- Special purpose machines (SPMs)
- Bibliography
- Appendix
- CO and PO attainment Table
- Index

Author

Ranjeet Kumar Sahu

Dr. Ranjeet Kumar Sahu Assistant Professor (Grade 1) Department of Mechanical Engineering National Institute of Technology Karnataka, Surathkal Mr.

Devendra Laxman Kamble

Mr. Devendra Laxman Kamble Research Scholar Department of Mechanical Engineering National Institute of Technology Karnataka, Surathkal