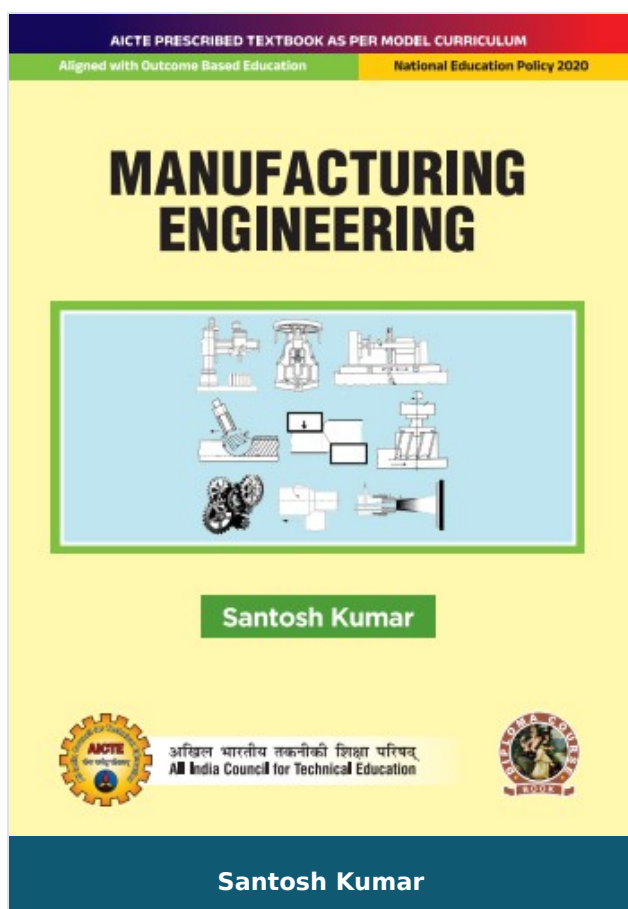




Manufacturing Engineering

Author :	Santosh Kumar
ISBN 13 :	978-93-55388-14-8
ISBN 10 :	9355388144
E-ISBN 13 :	978-93-55388-14-8
Edition :	First
Pages :	292
Type of book :	Physical
Year :	2026
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 445.00
Categories :	English Books , Book Store , AICTE Prescribed Textbooks
Condition Type :	New
Country Origin :	India

Product Description

Manufacturing Engineering

A student is always curious to make his idea converted into physical form as a useful product or a device. A product may consist of many sub assembly or components and need to be manufactured physically using some engineering materials like metals. Polymer, composites or ceramics. Such material can be converted into a given shape and sizes using basic manufacturing process like machining, forming, grinding, finishing, polishing, welding of press working etc. therefor it is very important for mechanical, production, manufacturing and materials engineers to have a systematic understanding on fundamentals of manufacturing practices and engineering that affect process selection and its parameters as per the need of an application. The book entitled 'manufacturing Engineering' is developed as per the model curriculum of AICTE, New Delhi for 2nd year of Diploma students on subject 'Manufacturing Engineering'.

Salient features:

- Content of the book aligned with the mapping course outcomes, programs and Units Outcomes.
- In the beginning of each unit learning outcomes are listed to make the student understand what is expected out of him/her after completing that unit.
- Book provides lots of recent information, interesting facts, QR code for E-resources, QR code for use of ICT, projects, group discussion etc.
- Student and teacher centric subject materials included in book with balanced and chronological manner.

- Figures, tables, and software screen shots are inserted to improve clarity of the topics.
- Apart from essential information a 'know more' section is also provided in each unit to extend the learning beyond syllabus.
- Short questions, objective questions and long answer exercises are given for practice of students after every chapter.
- Solved and unsolved problems including numerical examples are solved with systematic steps.

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 Tables
- Cutting fluids, lubricants and lathe machine Operations
- Broaching and drilling Machines
- Welding-Brazing-Soldering and Milling Machines
- Gear Making and Press Working
- Unit Summary
- Exercises
- Practicals
- Know more
- Suggested Resources for Further Reading/Learning
- Grinding and Finishing Processes
- Unit Summary
- Exercises
- Practicals

- Know more
- Suggested Resources for Further Reading/Learning
- Index

Author

Santosh Kumar

Prof. Santosh Kumar, Former Professor of Civil Engineering at the Bihar College of Engineering/NIT Patna, obtained his Bachelor's degree in Civil Engineering from Regional Institute of technology/NIT Jamshedpur and Master's degree from University of Roorkee/NIT Roorkee. Further he obtained Dip. H.E. From Delft University, Netherlands. He completed his Ph.D from Patna University. Prof. Kumar taught water resources related subjects for more than 40 years. During his tenure he successfully guided four Ph.Ds. and a record 28 M.Tech dissertations. He also produced more than 50 research papers. Later he also acquired advanced knowledge in Environmental Science. Dr. Kumar was picked up by the World Bank as a consultant to its projects in Bihar at FMISC, where he served for four years. He is a Fellow of Institution of engineers India; Chairman Indian Water Resources Society (Patna Chapter).