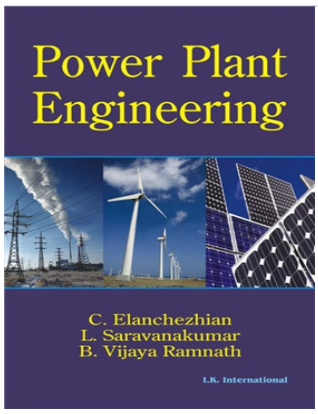
Book Information Sheet



Power Plant Engineering, 1/e

C. Elanchezhian, B. Vijaya Ramnath & L. Saravanakumar

2010 | 356 pp | Paperback | ISBN: 9788189866303 | Price: 395.00

About the Book

Power Plant Engineering has been designed for the students of B.E./B.Tech Mechanical Engineering. Divided in five units it will also prove to be a valuable source for practicing engineers and teachers.

It provides all the necessary information about Power Plants and Steam Power Plant, Nuclear and Hydel Power Plants, Diesel and Gas Turbine Power Plants, Geothermal Plants, Ocean Thermal Plants, Tidal Power Plants, Solar Power Plants and Economics of various Power Plants.

Salient Features

Each chapter is accomplished with solved problems.
Text has been supplemented with illustrated diagrams, tables, flow charts, and graphs wherever required, for clear understanding of students.
Summary, at the end of each chapter helps students to review literature presented in the chapter.
Review questions and exercise problems have been designed to enhance the engineering skills of students.

Table of Contents

Introduction to Power Plants and Boilers
Steam Power Plant
Nuclear and Hydel Power Plants
Diesel and Gas Turbine Power Plants
Other Power Plants and Economics of Power Plants

About the Author

C. Elanchezhian :- C. Elanchezhian is currently Senior faculty, Department of Mechanical Engineering, Sri Sai Ram Engineering College, Chennai. He obtained his bachelor's and master's degree in Production Engineering from Annamalai University. He is pursuing Ph.D., in Anna University. He has more than thirteen years of experience in teaching Process Planning and Cost Estimation, Manufacturing Sciences, SOC and Reliability Engineering, TOM, Engineering Graphics and Design subject. He has written 30 books in his area of specialisation.

B. Vijaya Ramnath :- B. Vijaya Ramnath is currently Senior faculty, Department of Mechanical Engineering. Sri Sai Ram Engineering College, Chennai. He obtained his bachelor's degree in Mechanical Engineering from University of Madras and master's degree in Production Engineering from Thiaga Madurai Kamaraj University. He is pursuing Ph.D., in Anna University. He has more than ten years of experience in teaching PPCE, CAD/CAM, Production Technology I and II, TOM, Engineering Graphics, UMP and Design subjects. He has written 30 books in his area of specialisation.

L. Saravanakumar :- L. Saravanakumar, is Senior Faculty in the Department of Mechanical Engineering, Sri Sai Ram Engineering College, Chennai. He Obtained his Bachelor's degree in Mechanical Engineering from University of Madras and Master's degree in Thermal Plant Engineering from Bharathidasan University.