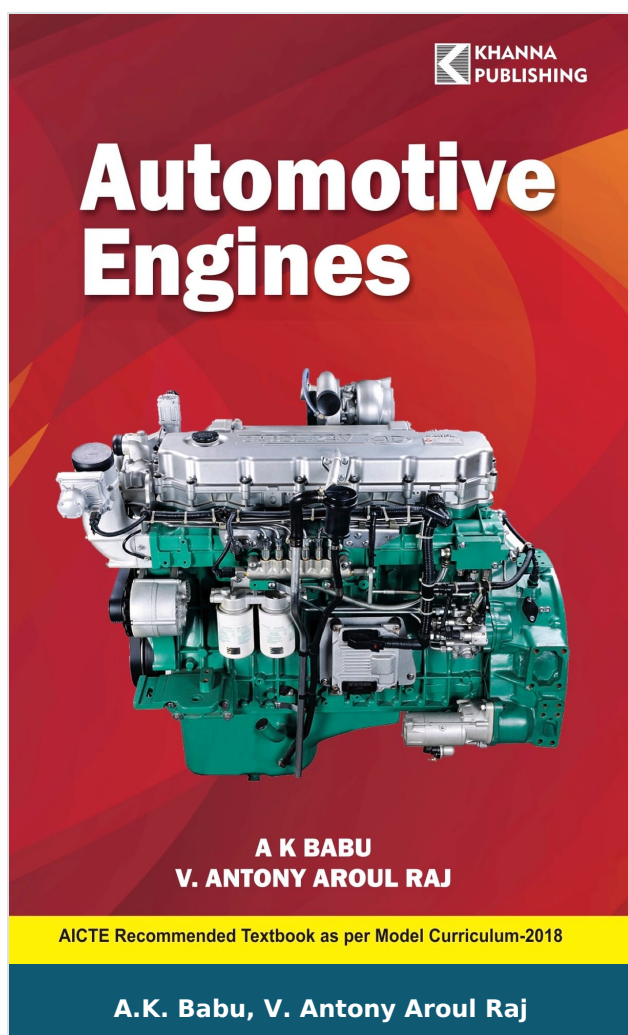




Automotive Engines

Author : A.K. Babu, V. Antony Aroul Raj

ISBN 13 : 978-93-86173-15-7

ISBN 10 : 9386173158

E-ISBN 13 : 978-93-86173-15-7

Edition : First

Pages : 296

Type of book : Physical

Year : 2019

Language : English

Publisher : Khanna Publishing House

M.R.P : Rs 299.00

Categories : [Automobile Engineering,](#)
[University Recommended,](#)
[Automobile Engineering, Book](#)
[Store](#)

Condition Type : New

Country Origin : India

Product Description

This book is designed to meet the requirements of the students of Mechanical Engineering and Automobile Engineering. It is based on the latest syllabi prescribed by different Technical Colleges and Universities in India. Each chapter is describes in simple, non-technical language and explains by clear illustrations that how engine parts and systems are constructed, how the part works, and what is required to maximize performance in terms of power, speed, economy and safety.

The important short and long review questions which the are included at the end of each chapter are taken from previous semesters question papers of various Technical colleges and Universities. This book is intended to be used as a Text and for Reference by colleges and technical universities offering subjects like Automotive Engines and Internal Combustion Engines.

Table Of Contents

- Engines
- Fuel Systems
- Combustion in Engines
- Turbocharging and Supercharging
- Engine Testing
- Cooling and Lubrication
- Emission and Control
- Review Question

Author

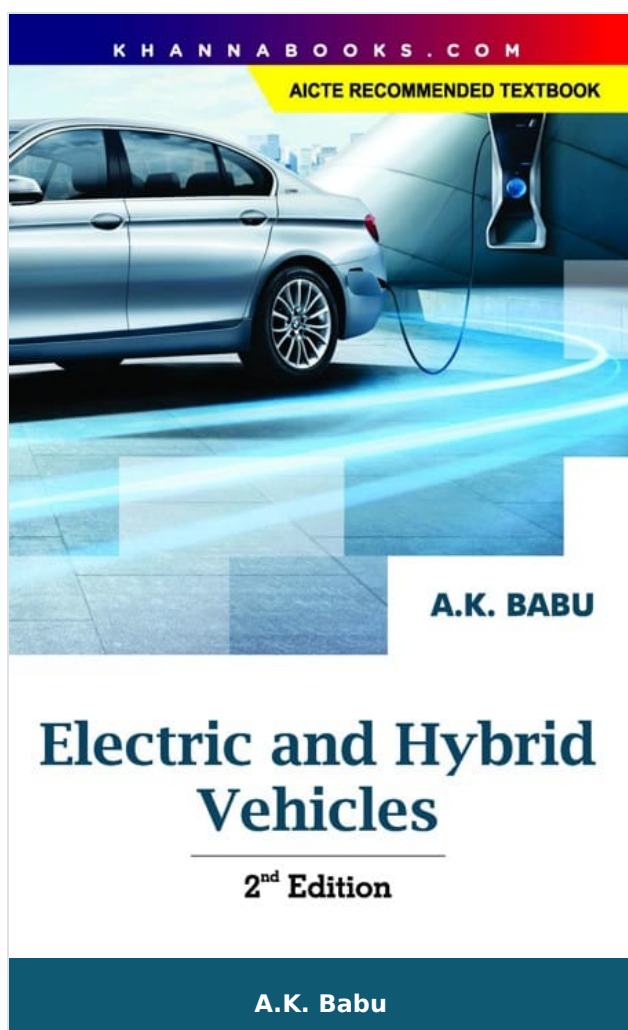
A.K. Babu

A.K. Babu A.K.Babu is working as Associate Professor in the Department of Automobile Engineering, SRM Easwari Engineering College, Chennai, India. He has over 18 years of experience in teaching, research and industry. A.K.Babu, completed his Master Degree in Automobile Engineering from Madras Institute of Technology (M.I.T.), Anna University (1997). He has served in other countries like Malaysia, Ethiopia and Eritrea for more than 5 years. A.K.Babu has published considerable number of research papers in international journals and conferences. His research paper published in SAE Journal of Fuels and Lubricants awarded one the most outstanding papers in the year 2003.

V. Antony Aroul Raj

V. Antony Aroul Raj Dr.V.Antony Aroul Raj is a Professor in the Department of Mechanical Engineering, SRM Easwari Engineering College, Chennai, India. He has over 15 years of research and teaching experience. Dr.V.Antony Aroul Raj obtained B. E. Degree in Mechanical Engineering from the Pondicherry Engineering College (1993) and a Ph.D in

Energy Engineering from the Anna University, Chennai, India (2011). He has received the best project award for his PG project. He has worked in the air-conditioning Industry for 4 years and installed about 60 plants. He has more than 10 research publications in International Journals with high impact factors and in various conferences in India and abroad. He is a Life member of ISHRAE and SAE.



Electric & Hybrid Vehicles

Author :	A.K. Babu
ISBN 13 :	978-81-95123-15-5
ISBN 10 :	8195123155
E-ISBN 13 :	978-81-95123-15-5
Edition :	Second
Pages :	212
Type of book :	Physical
Year :	2025
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 248.00
Categories :	Automobile Engineering, University Recommended, Automobile Engineering, Book Store
Condition Type :	New
Country Origin :	India

Product Description

This book is written to be easy to read and to meet the critical skill requirements of students studying Automobile Engineering, Mechanical Engineering and Electrical Engineering. The content is organized into 25 easy-to-understand chapters. The fundamentals, electric vehicles (EVs), hybrid electric vehicles (HEVs), and fuel cell vehicles (FCVs) are all covered in this book. It covers the performance, configuration, and control strategy of several electric and hybrid electric vehicles in details. Colleges and technical universities offering core and elective subjects like Electric and hybrid Vehicles and New Generation Vehicles can utilize this course book as a textbook and major reference book.

Table Of Contents

- Fundamentals of Electricity
- Fundamentals of Electronics
- Electric Vehicle Evolution
- History of Hybrid Vehicles
- Electric Vehicle
- Classification of EVs
- Energy Sources
- Electric Motor
- Control System
- Configurations of Electric Vehicles
- Performance of Electric Vehicles
- Charging
- Indian Electric Vehicles
- Hybrid Vehicles
- Hybridisation
- Drive Configuration of HEVs
- Performance of Hybrid Vehicles
- Fuel Cell Electric Vehicle (FCEV)
- Comparison
- Transmission in EVs
- Hybrid Cars in India
- Steering System for EVs and HEVs
- Suspension System for EVs And HEVs

- Brake System For EVs
- Best Electric and Hybrid Cars.

Author

A.K. Babu

A.K. Babu A.K.Babu is working as Associate Professor in the Department of Automobile Engineering, SRM Easwari Engineering College, Chennai, India. He has over 18 years of experience in teaching, research and industry. A.K.Babu, completed his Master Degree in Automobile Engineering from Madras Institute of Technology (M.I.T.), Anna University (1997). He has served in other countries like Malaysia, Ethiopia and Eritrea for more than 5 years. A.K.Babu has published considerable number of research papers in international journals and conferences. His research paper published in SAE Journal of Fuels and Lubricants awarded one the most outstanding papers in the year 2003.