



Automotive Electrical and Electronics

Author : A.K. Babu

ISBN 13 : 978-93-82609-69-8

ISBN 10 : 93-82609-69-5

E-ISBN 13 : 978-93-82609-69-8

Edition : Second

Pages : 380

Type of book : Paperback

Weight (g) : 192.00

Year : 2024

Language : English

Publisher : Khanna Publishing House

Regular Price : Rs 369.00

Sale Price : Rs 295.20

Categories : [All books](#), [Automobile Engineering](#), [Electrical, Electronics & Communication Engineering](#), [UNIVERSITY RECOMMENDED](#)

Condition Type : New

Country Origin : India

Product Description

Automobile engineering is a field that has been witnessing tremendous technological developments in recent years, noteworthy among them being next generation hybrid cars and self-driving cars. This book is designed for students who take up the study of the subject 'Automotive Electrical and Electronics' as part of the curriculum requirements of the Automobile Engineering Degree as per the latest revised syllabus of all Indian Universities. The book offers a clear introduction to the Electrical and Electronics Components and Systems used in modern today's vehicles with the aid of several illustrations to facilitate easy comprehension and full understanding. It is anticipated that this comprehensive book will be a valuable source of information and reference to not only undergraduate and postgraduate students but also to the teaching fraternity. Key topics are given due emphasis and important concepts are reinforced with the help of numerous illustration enabling better understanding. It is sincerely hoped that this resource and reference book, written with the intention to provide a sound grounding, will ignite young minds and spark the desire for learning.

Table of Contents

Chapter 1: Fundamentals of Electricity. **Chapter 2:** Vehicle Electrical System. **Chapter 3:** Battery. **Chapter 4:** Charging System. **Chapter 5:** Starting System. **Chapter 6:** Ignition System. **Chapter 7:** Electronic Ignition System. **Chapter 8:** Automotive Wiring. **Chapter 9:** Lighting System. **Chapter 10:** Accessories. **Chapter 11:** Electronic Engine Management. **Chapter 12:** Safety and Warning Systems. **Chapter 13:** Microcomputer Controlled Devices.

Index

Author

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.



Khanna Publishing House

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: + +91-99109 09320