

**Title of the book**

Basic Electrical Engineering

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**About the Book**

This Book with the title 'Basic Electrical Engineering' covers the Basic Electrical Engineering. The four chapters' of this book was written in an easily digestible and reproducible format with required information. An effort has been made to present the book in this form and if it proves helpful to the students, we shall consider my effort has been amply rewarded.

# Cover Page



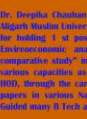
**Prof. S. K. B. PRADEEPKUMAR Ch.** He has 14 years of academic experience in the field of teaching. He received his B.Tech in Electrical and Electronics Engineering from Anna University Technological University, Hyderabad and his M.Tech in High Voltage Engineering from Anna University Technological University, Hyderabad and his Ph.D. in Electrical Engineering from Anna University, Chidambaram, TamilNadu. His research interests include distributed generation, reliability, renewable energy sources, Artificial Intelligence and optimization techniques. In relation to his research areas, he published 12 international journal papers and 6 conference papers. He patented 14 patents in different areas, he published four text books in the area of power systems and power electronics in Lambert Academic Publishing. He was awarded best paper at the International Conference on Electrical Engineering, which was held at Anna University, Visakhapatnam. He is a reviewer for the REST publication house. At his current working Institute, he has organized 05 TQM, 2 IPM & Patents workshops, and 2 guest lectures. He is an IEEE Professional Basic Life Member. He gave lectures in several colleges in Andhra Pradesh and Tamil Nadu.



**Dr. N. Saravanakumar** received Bachelor's degree in Electrical and Electronics Engineering and Master's Degree in Embedded system Technologies from KJ Somaiya Institute of Engineering, Mumbai. Completed Ph.D in Electrical Engineering from Anna University in the year 2012 and is a recognized supervisor of Anna University Chennai. Having more than 15 years of academic and administrative experience has published many research papers in various reputed international and National Journals and Conferences, guided more than 40 B.Tech and 10 M.Tech students. Organized many workshops, seminars and Faculty Development Programs at National level. Life member of ISTE and Institution of Engineers, India.



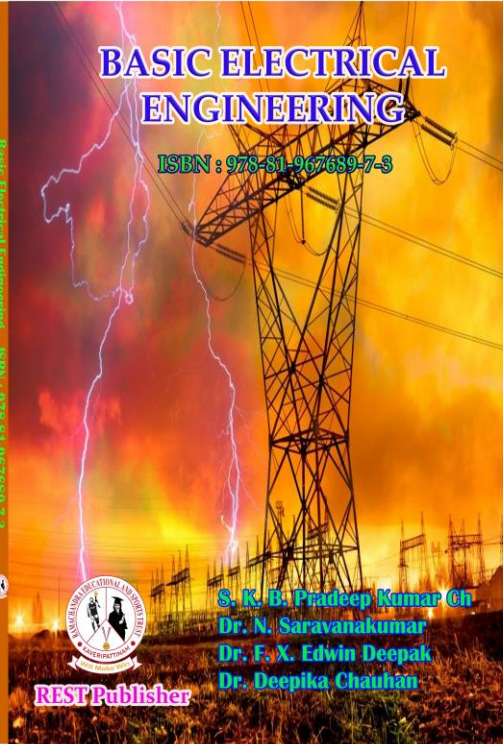
**Dr. F. X. Edwin Deepak** holds a BE degree in Electrical and Electronics Engineering, which he completed in 2006 from PSNA College of Engineering and Technology, affiliated with Anna University Chennai. He further pursued M.E degree in Power Electronics and Drives, completing it in 2009 at the same institution, affiliated with Anna University Tiruchirappalli where he secured the University Second Rank. He further enhanced his academic credentials by completing a Ph.D. degree in Electrical Engineering from Anna University Chennai, South, he pursued this degree as a part-time scholar, showcasing his dedication to advancing his expertise while concurrently contributing to his professional responsibilities. Presently, he serves as an Assistant Professor in the EE Department at National Engineering College, Kovilpatti, Tiruchirappalli District, TamilNadu, India.



**Dr. Deepika Chauhan** has done her B.Tech in Electrical Engineering from Aligarh Muslim University, Aligarh in 2002 and was awarded with Gold Medal for holding 1 st position. Completed her PhD in "Energconomic and Environment analysis of Hybrid Photovoltaic Thermal systems: A comparative study" in 2016 from Jagadgurh University, Jaipur. Worked in various capacities as Assistant Professor, Associate Professor, Professor, HOD, through the career of 15 Years in Academics. Published around 72 papers in various National and International Conferences and Journals. Guided many B.Tech and M.Tech projects and one of the student projects got

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