

## PREFACE

Innovation is an inevitable factor in the growth of any nation. Innovation is possible only through sustained research. Exchange of knowledge and innovative ideas plays a key role in promoting research in the field of engineering and technology.

In this era of technological advancements every research aims to meet the increasing human needs. The conference aims to provide a platform for researchers, scientists, industrial professionals and students to exchange and share their research accomplishments and innovations on the contemporary and emerging trends in electrical and electronics engineering. The conference aims to explore the interface between the industry and real time environment with state-of-the-art techniques. The conference focuses to bring to limelight, the recent researches being carried out in the various fields of Electrical & Electronics Engineering. The conference targets to bring to table the futuristic technologies around the globe in meeting out these needs. The meeting of technocrats will bring to front various remedies and solutions to overcome the technical deficiencies in the various engineering problems.

The first "International Conference on Emerging Trends in Powering the Nation (ICETPN '14)" is a forum for scientists, professionals, researchers and engineers to present state of art innovations, scientific results and advancements in the field engineering.

In total we received 160 papers from various academic institutions and research organisation. After review by a team of experts, 50 papers were selected for oral presentation in ICETPN '14. The papers presented in the conference are the outcome of innovative researches carried out in various institutions, industries and research organisations.

We are extremely thankful to the Managing Trustee, Sri Krishna Institutions for all the help and encouragement extended for the success of ICETPN '14. We whole heartedly acknowledge the expert advice and support offered by Dr S Subramanyan, Advisor, Sri Krishna Institutions. We sincerely extend our heartfelt thanks to Dr S Annadurai, Principal, Sri Krishna College of Engineering & Technology for being a constant source of inspiration during the conference preparations.

We thank the National & International Advisory Committee members for their suggestions & guidance. We extend our heartfelt thanks to the sponsor of our conference, IEEE Madras Section. Our thanks to all other co-sponsors and advertisers of ICETPN '14.

We thank all the faculty co-ordinators, student volunteers and non-teaching staff of our department for their hard work and dedication in making ICETPN '14 a grand success.

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