

## ETPEC 2018

Department of EEE organized 3rd National Conference on "Emerging Trends in Power, Energy and Control" (ETPEC 2018) from 10-11 Aug 2018. The vision of the ETPEC-2018 was to promote brainstorming, so that critical issues pertaining to individual research activities can be addressed and ideas can be exchanged through extensive discussions. The conference focused on specific Engineering streams – allowing the speaker to drill deep into the issue and ensure that we return to our workplace with actionable information that we can put to use the very next day. By wide publicity a total of 86 papers were received and of that 58 papers have been thoroughly reviewed by technical expert committee and were shortlisted for presentation. Dr M V Venkateswara Rao, Advisor (Power), Amravathi Development Corporation, Andhra Pradesh as Chief Guest and Dr S V M Bhuvanaika Rao, Retd Superintendent Engineer, APGENCO as Guest of honour along with Dr G Srinivasa Rao, Dean Research & Development and Convenor ETPEC 2018, Commodore Dr M S Raghunathan, Registrar, Dr P M V Rao, Incharge Vice Chancellor and Dean Academic Registration and Evaluation inaugurated the conference. Guest of honour Dr S V M Bhuvanika Rao informed the budding research scholars to identify practical problems and find the optimal solution for the same such neutral grounding and voltage imbalances. Audience felt proud of the person who came from a background where his village did not had any lamp till the age of 10 but afterwards he worked as Superintendent Engineer in APGENCO. Sri M V Venkateswara Rao informed the substantial increase in power generation from 1713 MW to 344 GW. After the inaugural the session was chaired by Dr S V M Bhuvanaika Rao and the budding researchers received suggestions in their areas. Post lunch session was chaired by Dr S Sivanagaraju, Prof, JNTUK and expressed his happiness over the research topics selected by budding scholars.

2nd day session started with keynote address on Pole charging station for electric vehicles by Dr K Sivakumar, Associate Professor and Director International Relations IIT Hyderabad. He emphasized the need of poly phase machines which are reducing the spatial harmonics rather than time harmonics. Most of the research is concentrated on time harmonics but spatial harmonics too affect the performance. He also explained the practical realization of the same at a very low cost. He also encouraged the budding researchers to try everything in real then they will automatically get different way to optimize the cost. The session ended with the distribution of certificates to the participants and felicitation to Dr K Sivakumar. The conference aimed to research and emphasizes the latest in terms of technological advancements. The conference also aimed to provide outstanding opportunity for both academic and industrial communities to address new trends and challenges and emerging technologies on the topics relevant to today's fast moving areas of power, energy and control systems. On receiving the feedback from the participants department will continue to organize the conference in upcoming years.