With the increasing demands for stable, reliable and un-interrupted power supply, utilities all over the world are adopting Smart Grid technologies. The mantra “ Smart Grid “ not only gives opportunities and challenges to Electrical Engineers, but also opens a wide gateway to Communication engineers , Instrumentation Engineers and of course software Engineers as well. The issues and challenges in this modern technology are enormous and at least for another 30 years this technology will keep us engaged in the process of research. However, the success of this technology depends on smart and knowledgeable engineers like us, who operate the system.

At the outset, We the coordinators thank our principal Prof. Dhanajayan, Dean (Research) and QIP coordinator Prof Himavathy and Head of Department EEE, Prof Alamelu Nachaiappan and Head of the Department IT, Prof. Saraswathy and IT for the opportunity given to us to coordinate the first interdisciplinary short term course in our college.

We have sent nearly 600 applications across the country through post and received a response of 200 through online registration. We have undergone great challenge to select the participants as the number is limited to 35. We have given equal importance to all the disciplines of engineering and shortlisted according to their area of interest. Although we adopted so many strategies to stick to the limited strength, due to the overwhelming response, we extend the strength to 45 wth the permission of dean research.

We took great effort in preparing the course schedule in a way that it will cover all research issues related to SG Technology. Thus in the first day we have lectures on

Hybrid Vehicles and Hybrid Power plants by our chief guest Prof Arul Daniel followed by Prof Gnanadass and Prof Santhi Baskaran on Smart Distribution system and smart communities and Introduction of Cloud computing respectively

On the second day morning, we have Application of Cloud computing to Power systems by Dr, Gomathi from anna university and Integration of Renewable Energy resources by Dr. Kavitha from the same college. Afternoon session will be occupied by Prof Jeevananthan and Dr. Sundaramurthy on Power Electronics in Smart Grid and Internet of things – A Designers perspective respectively.

On the third day morning , we have Demand side management –A Game Theory approach by myself and Multiobjective Optimization techniques to Smart Grid applications by Dr. Sarulatha. In the afternoon we have a industrial visit to Puducherry electricity department and smart grid pilot project Puducherry where Super indent Engineer Er Ravi and Assistant Engineer Er, Vivek Antony will address the participants on the implementation of smart grid pilot project in Puducherry

On Thursday we have Er. Karthi Ganesh from Dell International Services, Bangalore, will deliver the lecture on Big data analytics and Clustering Techniques for smart grid applications , followed by Prof Nithyanadhan and Dr Santhi on Internet of Power Things and Communication and Networking Technolgies for Smart Grid applications.

On final day we have Dr. Rajeswari from GCT, Coimbatore will deliver a lecture on Synchro phasor Technology followed by Dr. Geetha on IT related issues and Challenges in smart grid technology.

In the after noon we have a fantastic session on stress management by Prof Jayasri Kurshev from Mahatma Gandhi health sciences and nursing, Puducherry wherein then stress pf the beloved participants will be released and ready to go their native place happily . The final Session of the Course is awaiting/interesting Project presentation, wherein the participants will present a new proposal in group based on the ideas they received through this course and will be judged by our eminent senior professors of both the department along with QIP coordinator.

Last but not the least we end up with feedback and Validictory function where the participants will be prizes for the best project proposal and summary writing and the certificates for the successful completion of the course.

Thank u one and all