

# **G. Pulla Reddy Engineering College (Autonomous): Kurnool, (A.P)**

## **IEEE PES Chapter (SBC15721)**

### **Sub:A Report on A Two Day National Level Workshop on “Renewable Energy and Smart Grids” 21<sup>st</sup> – 22<sup>nd</sup> March, 2016**

For the benefit of Faculty, Research Scholars, PG students and UG students the IEEE PES chapter of GPREC organized a two day national level workshop on “Renewable Energy and Smart Grids” (RESG) during 11-12 March 2016.

#### **Objective :**

To create awareness in latest emerging technologies in the field of Renewable energy sources and Smart Grid and to Encourage innovative research ideas in Renewable Energy resources and Smart grid Applications

**Target Audience:** Academicians, Industry Persons, Research Scholars and PG students

#### **Resource Persons:**

1. Dr.P.Sreedhar, IFS Executive Director, MGIRED, Bengaluru.
2. Dr. Shobha Ananda Reddy, Deputy Director, MGIRED, Bengaluru.
3. Dr Y.Pradeep, Assistant Professor, IIT Hyderabad.
4. Dr. Dr. Siva Kumar Assistant Professor, IIT Hyderabad.
5. Dr.A.Venkata Naidu, Senior Manager ( O&M), Gamesa Renewable Pvt. Ltd.
6. A.Krishna, MD, Rapid Technologies Ltd. Hyderabad.
7. Sri. P Vivek Subramanian, Executive Director, Fourth Partner Energy Ltd.Hyd.
8. Sri. M. Kodandarama Murthy, District Manager, NEDCAP, Ananthapuramu.

#### **Outcome:**

At the end of this workshop the participants will be keen to research in the field of Renewable energy sources and Smart Grid Applications which are very essential for today’s power scarcity.

A total of 200 members have been registered for this workshop out of which 22 are from out station and remaining are internal participants. Also a total of 8 theory sessions and 1 solar plant visit have been conducted as a part of this workshop. The following topics were discussed in depth.

- Opportunities and challenges in Renewable energy Sector.
- SPV systems and BIO Plants
- Smart Grid and Conceptual Overview
- Power Electronic Converters for Renewable sources.
- Wind Power stations
- Design of Small Scale Solar Power Station
- Distributed Solar Opportunity in India
- BIO Plants and Job opportunities
- 100kW Solar Plant visit

The workshop concluded with a valedictory function.

The following are few snap shots of the workshop.



