



**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**REPORT FOR NATIONAL CONFERENCES ON " ENERGY MANAGEMENT AND  
RENEWABLE ENERGY SYSTEMS 2018"**

The National Conferences on "Energy Management and Renewable Energy Systems 2018" was organized by the Department of Electrical and Electronics Engineering at DSEC, Perambalur.

NCER 2018 is organized with the objective to promote and disseminate knowledge on various topics and topologies of renewable energy systems and to apply alternative solutions to current practices. The conference is indented for PG students, Research scholars and faculties. It also paves a way for converging new developments in the field of renewable energy systems.

A total of about 70 technical papers were received from post graduate students, faculty members and Research scholars covering a wide spectrum of areas, viz. Energy management, Solar energy, Wind energy, Energy conservation, Economic dispatch, Electrical grid, Economic dispatch, Power system, Power electronics, Control system, Electrical machines, Power system protection, Special electrical machines, Energy storage system, Instrumentation and IOT Applications on Renewable energy. These papers were peer reviewed by technical experts and about 41 papers have been selected for presentation. This volume is a record of current research in the field of Energy management and Renewable energy systems and it is hoped that it will be a trigger for expanding the realms of research.

The conference was inaugurated in the presence of our Chairman **Shri.A.Srinivasan**, Principal **Dr.S.Durairaj**, Dean Academics **Mrs.J.Premalatha**, Principal/DSPC **T.Sugumar**, Principal/SPC Prof.**R.Ramesh** and Head of the Department/EEE Dr.**K.Anbarasan**.

**Dr.K.Anbarasan** HOD/EEE welcomed the gathering and Conference overview was given by **Prof.S.Selvakumaran**. The conference proceeding was released by the chief guest **Dr.P.Ajay-D-Vimalraj** and received by the Principal, Dean and it is distributed among the dignitaries and the audience.

**Dr.S.Durairaj**, Principal delivered presidential address he insisted the importance of research in Energy management and Renewable energy and necessitated the need for knowledge dissemination and motivated the audience to gain more knowledge.

The chief guest **Dr.P.Ajay-D-Vimalraj**, Professor, Department of Electrical and Electronics Engineering, Pondichery Engineering College, inaugurated the conference and delivered the keynote address and presented invited topic on "Emerging Trends in Energy

Management. He motivated the students to convert their young mind to create the advancement of energy management and renewable energy systems and to do service to the country.

### **SESSION 1**

The session1 of NCER 2018 was chaired and presented an invited talk on Recent Trends in Energy Conservation by **Mrs.V.Malathy**, Professor, University College of Engineering Ariyalur. 21 technical papers have been presented which includes the following areas: Energy management, Energy conservation, Economic dispatch, Electrical grid, Power system, Power electronics, Power system protection, Energy storage system and etc.

### **SESSION 2**

The session2 of NCER 2018 was chaired and presented an invited talk on IOT Applications on Renewable Energy by **Dr.S.Titus**, Professor & Head, MAM Engineering College 20 technical papers have been presented which includes the following areas: Renewable energy, Control system, Electrical machines, Special electrical machines, Instrumentation and IOT Applications on Renewable energy and etc.