

**GOVERNMENT COLLEGE OF TECHNOLOGY, COIMBATORE-641 013**

**DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING**

**CENTER OF EXCELLENCE ON ALTERNATE ENERGY RESEARCH**

**MINUTES OF ADVISORY COMMITTEE MEETING**

The first Advisory Committee meeting was held on 02.08.2014 at CoE lab, JJ Rudra Block, Government College of Technology, Coimbatore -641013.

The Following Committee members reviewed the progress of CoE and made suggestions for improvement.

1. Principal Investigator - **Dr. N. Devarajan**  
Professor , Department of Electrical Engineering,  
Government College of Technology,  
Coimbatore – 641013.
  
2. Members -
  1. **Dr. K.K.Sasi**  
Professor , Department of EEE,  
Amrita school of Engineering ,  
Coimbatore- 641 112.
  
  2. **Dr. A.K.Unnikrishnan**  
Head, Education & Training Group,  
Centre for Development of Advanced Computing,  
Thiruvananthapuram – 695 033.
  
  3. **Er. A.D. Thirumoorthy**  
Director,  
Coimbatore Solar Energy Solutions Pvt.Ltd., 352, First  
Floor, AMM Buildings, Mettupalayam Road,  
Coimbatore - 641043.
  
  4. **Dr.B. Hariram Selva Murugan Satheesh,**  
Principal Scientist,  
ABB Global industries and Services Ltd,Whitefield Road,  
Hoodi, Bangalore,Karnataka-560048
  
3. Ph.D Scholar
  1. **Prof. K. Yasoda**  
Assistant Professor,  
Department of Electrical Engineering  
Government College of Technology,  
Coimbatore -641013.

**2. Mr. Immanuel John Samuel**  
Full time Ph.D scholar,  
Department of EEE,  
Government College of Technology,  
Coimbatore -641013.

4. Special Invitees

1. Dr. V. Geetha, Asso. Prof.
2. Dr. E. LathaMercy, Asso. Prof
3. Dr. V. Prasannamoorthy, AP
4. Dr. N. Narmadhai, AP
5. Dr. R. Rajeswari , AP
6. Dr. K. Ranjithkumar, AP
7. Dr. P. Maruthupandi, AP
8. Prof. S. Chitra, AP

Professor / Principal Investigator of CoE AER Dr. N. Devarajan presented the activities thematic area of CoE, status of procurement, Projects undertaken by PG Scholar and Ph.D scholars, Research Publications, Recommendations made by the experts at the CoE Review meeting held on 20.06.2014 at Delhi and interdisciplinary research activities. The following are the suggestions made by the committee on current of areas of Research in Renewable Energy.

❖ **Dr.B. Hariram Selva Murugan Satheesh**

- Need for developing Cost- effective Instrumentation System for reliable operation of solar PV arrays in field.
- Remote monitoring and control of small units- Role of information Technology in Power system

❖ **Dr. K.K.Sasi**

- Development of small scale solar wind hybrid and solving design Issues.
- Simple and reliable single stage inverter based solar Grid tied System

❖ **Dr. A.K.Unnikrishnan**

- Elimination of Sub synchronous Oscillation in Power system with distributed Generation

- Faulty Ride through Capability of solar & wind Energy systems

❖ **Er. A.D. Thirumoorthy**

Development of Power converter topologies – Multilevel Inverters, DC-DC converters.

The procurement of the following items / equipment are approved by the advisory committee

<b>S.No</b>	<b>Items/ Equipment</b>	<b>Cost in Lakhs</b>
1	IR Thermometer	0.5
2	PA System	0.6
3	LCD Projectors	2
4	Interactive Projector	3
6	E-Journals-Engg & Tech	1.98
7	Wind Turbine Protection system FACTS Controllers and Accessories	5
8	PMSG based Wind Turbine Setup & Accessories	9
9	Energy Storage system & Accessories	9
10	DSPACE	17
11	LCR Meter	0.2
12	Personal computers	5
13	Power Electronic Converter Kits	5
14	Intelligent Power module	9
15	Dynamic Fault Simulator	5
16	DSP, PIC controllers with interfacing unit	9
17	Solar system analyzer	3.5

Principal Investigator / Co – Ordinator

CoE – AER