



## Department of Electrical and Electronics Engineering

Date:13-02-2015




### Recommendations of DRC members for Pre-Ph.D. courses

The members of Doctoral Review Committee met on 13-02-2015 to review the Pre-PhD courses suitable for course work pertaining to PhD Programme in "Electrical and Electronics Engineering". The members have recommended the following courses for pre-PhD Course work in the "Power Systems" area of research.

#### Courses:

1. Power System Planning and Reliability
2. Power System Automation
3. Energy Auditing and Management
4. Soft Computing
5. Smart Grid
6. Advanced Power System Protection

#### Members Present:

1	Dr. M. Venu Gopala Rao, Prof & Head, Department of EEE, KL University, Vijayawada	External DRC Member	 13/2/2015
2	Dr. G. Durga Sukumar, Assoc Professor, Dept. of EEE, VFSTR	Internal DRC Member	
3	G. Srinivasa Rao, Assoc Professor, Dept. of EEE, VFSTR	Subject Expert	

  
HOD, EEE



## Department of Electrical and Electronics Engineering

Date: 23.02.2015

### **Minutes of the Board of Studies (BoS) Meeting held on 23/02/2015 at 09.00 A.M. in Chancellors Chamber (Ph.D-Electrical and Electronics Engineering)**

The following are the members presented for the meeting.

- 1) Dr. V. T. Somasekhar - Professor, Dept. of Electrical Engineering,  
NIT Warangal
- 2) Dr. K. Siva Kumar - Assistant Professor,  
Dept. of Electrical Engineering, IIT Hyderabad
- 3) Dr. G. Durga Sukumar - Head, Dept. of EEE, Vignans University
- 4) Mr. G. Srinivasa Rao - Assoc. Prof, EEE, Vignans University
- 5) Mr. P. V. S. Sobhan - Assoc. Prof., EEE, Vignans University

### **The following views were expressed by the external members**

- 1) Dr. G.DurgaSukumar, HoD, EEE briefed the recommendations of DRC member views for Pre-PhD courses for Power Systems area of research to the external members.
- 2) External BoS members appreciated the courses proposed by DRC member for Pre-PhD courses for Power Systems area of research.
- 3) Dr. K. Siva kumar suggested to add Differential Evolution in addition to Genetic Algorithm and Particle Swarm Optimization techniques.
- 4) Dr. V. T. Somasekhar appreciated about the inclusion of Smart Grid course as a Pre-PhD course for power systems specialization.
- 5) BoS members appreciated for Energy Auditing and Management course as a Pre-PhD course for power systems specialization, because this course very much required for researchers who are working in the area of Energy auditing and conservation.
- 6) Dr. V. T. Somasekhar suggested to add Human Machine Interface concept in the power system automation course, because majority of industrial research is going on in AI based techniques.



**Outcomes:**

The Board of studies reviewed the course recommended by Doctoral Review Committee for Pre-Ph.D. Course work in addition to existing M.Tech. Courses in Power Electronics and Drives specialization programme. The list of courses are given below:



1. Power System Planning and Reliability
2. Power System Automation
3. Energy Auditing and Management
4. Soft Computing
5. Smart Grid
6. Advanced Power System Protection

The following are the members present for the Board of Studies meeting held at Department of Electrical & Electronics Engineering on 23-02-2015.

**External Members:**

Sl. No.	Name of the Member	Designation	Signature
1.	Dr. V.T. Somasekhar	Professor Department of Electrical Engineering, NIT Warangal Ph:9908150883	
2.	Dr. K.Siva Kumar	Assistant Professor, Department of Electrical Engineering, IIT Hyderabad Ph:9494750750	

**Internal Members :**

Sl. No.	Name of the Member	Designation	Signature
1.	Dr. G. Durga Sukumar	HOD, EEE	
1.	Dr. G. Srinivasa Rao	Assoc. Professor	
2.	Mr. P.V.S. Sobhan	Assoc. Professor	