


## Faculty Profile

<b>Name of the Faculty</b>	Ms.R.SUGANTHALAKSHMI	
<b>Department</b>	Electrical and Electronics Engineering	
<b>Qualification</b>	B.E,M.E	
<b>Area of Specialization</b>	Power Systems Engineering	
<b>Date of joining</b>	02.12.2019	
<b>Nature of Associations (Regular/contractual/Adjunct)</b>	Regular	
<b>E-mail id</b>	Suganthalakshmi.eee@dgct.ac.in	
<b>No. of years of Experiences</b>	3 years , 1 month	

### ACADEMIC QUALIFICATIONS

- M.E (Power Systems Engineering) Government College of Technology, (Coimbatore) Year:2016
- B.E (Electrical and Electronic Engineering) Mahendra Engineering College for Women, (Tiruchengode)Year:2014
- Vaidheeswara Higher secondary School, (Mettur Dam). Year:2010
- GV Higher Secondary School, Mettur ,(Salem) . Year:2008

### FIELD OF INTEREST

- Power System Protection
- Smart Grid
- Control System Software

### SOFTWARE EXPOSURE

- MATLAB 2014
- Adobe Photoshop 8.0
- PSIM 9.0
- NI Multisim 12.0

### PROJECT DETAIL

- DESIGN AND IMPLEMENTATION OF AUTOMATIC TRANSFER SWITCH IN ROTARY UPS.
- A NOVEL SCHEME FOR SINGLE PHASE GRID INTERFACED WITH HARMONIC AND LOAD COMPENSATING PV SYSTEM USING NOTCH FILTER

## **WORKSHOPS ATTENDED**

- Participated in two days workshop on “**EMBEDDED SYSTEM DESIGN**” at Mahendra Engineering College for Women, Tiruchengode.
- Attended one day national level seminar on “**ELECTROMAGNETIC THEORY**” at Kongunadu College of Engineering and Technology.
- Participated in one day workshop on “**WEATHER MONITORING STATION AND ITS APPLICATION**” at Government College of Technology, Coimbatore on 11 December 2014.
- Participated in one day workshop on “**RESEARCH FOCUS IN SMART GRID AND WIND ENERGY SYCHRONIZATION**” on 15<sup>th</sup> July 2015 at Government College of Technology, Coimbatore.
- Participated in a two day workshop on “**EMBEDDED SYSTEMS FOR ALTERNATIVE ENERGY RESEARCH**” during 10<sup>th</sup> – 11<sup>th</sup> of November 2015 at Government College of Technology, Coimbatore.
- Participated in two day Faculty Development on “**INNOVATIVE TEACHING** “ During 1<sup>st</sup> & 2<sup>nd</sup> july,2016.

## **CONFERENCE**

- Presented a Paper on the topic “**APF activated synchronous generators for power quality improvement**”, in the International Conference on ‘RTES’19’ held at Sona College of Technology, Salem on 1<sup>st</sup> March 2019.
- Presented a Paper on the topic “**A NOVEL SCHEME FOR SINGLE PHASE GRID INTERFACED WITH HARMONIC AND LOAD COMPENSATING PV SYSTEM USING NOTCH FILTER**” in the International Conference on ‘Alternative Energy Technologies’ held at Government College of Technology, Coimbatore on 25<sup>th</sup> & 26<sup>th</sup> November, 2015.
- Presented a Paper on the topic “**RTIO BASED SINGLE PHASE GRID INTERFACED WITH HARMONIC AND LOAD COMPENSATING PV SYSTEM USING NOTCH FILTER**” in the International Conference on ‘NCATCCEE’16’ held at The Kavery Engineering College , Mecheri on 30<sup>th</sup> Sep, 2016.

## **JOURNAL PUBLICATION**

- R.Suganthalakshmi, “**Selective Harmonic Elimination on a Multilevel Inverter Using Ann and Genetic Algorithm Optimization Techniques**”, IJAER, Vol.6 No.9, pp.2527-2536, September 2018.
- R.Suganthalakshmi and Dr.K.Ranjithkumar,” **A NOVEL SCHEME FOR SINGLE PHASE GRID INTERFACED WITH HARMONIC AND LOAD COMPENSATING PV SYSTEM USING NOTCH FILTER**” IJAER, Vol.10 No.88, pp.190-195, December 2015.

## **INDUSTRIAL EXPOSURE**

- Completed **EMBEDDED SYSTEM & VLSI** course at Mahendra engineering college for women from BLUE GENIT INFORMATION TECHNOLOGY.
- Had done my UG project at **DYNASPEDE INTEGRATED SYSTEMS PRIVATE LIMITED**, Hosur

**PERSONAL DETAILS**

Date of Birth & Age : 06.12.1992 & 27 years  
Parents' Name : Mr.G.Ramasmy (Late) & Mrs.R.Kalaiivalli  
Marital Status : Un- Married  
Nationality/Religion : Indian /Hindu  
Languages known : English & Tamil (Read &Write)

**REFERENCE:****Dr. K. RANJITHKUMAR**

Associate professor (Electrical Department)  
GCT, Coimbatore  
Email Id: ranjith@gct.ac.in  
Mobile No: 9443015058

**Dr. K. BASKARAN**

Associate professor (Electrical Department)  
GCT, Coimbatore  
Email Id: drbaskaran@gct.ac.in  
Mobile No: 9443661901

**DECLARATION :**

I hereby declare that the above written particulars are true to the best of my knowledge and belief.

Yours Truly

**(R.SUGANTHALAKSHMI)**