

# Deepthi Antony

*Dedicated, confident and resourceful Engineer with Ph.D in Electrical Engineering. Also proficient in engineering and programming software: Matlab, PSIM, PSpice, C, C++. Proven ability to work individually as well as in a team with engineering problem solving skills reinforced by strong academics and research.*

- Authorized to work for any US employer

## Contact

**Address**  
North Aurora, IL, 60542

**LinkedIn**  
/deepthiantony

## Skills

Skilled with analytical software  
Familiarity with International Standards  
Research

## Software

Matlab  
PSIM  
PSpice  
C  
C++

## Work History

2018-07 -  
2019-07

### Assistant Professor

*Ramaiah University Of Applied Sciences, Bangalore, India*

- Delivered scheduled lectures to students on Electrical Machines and Elements of Electrical Engineering.
- Organized and conducted AC Machines Lab, High Voltage Lab and Basic Electrical Lab.

2013-06 -  
2014-12

### Assistant Professor

*SCMS School Of Engineering And Technology, Cochin, India*

- Delivered lectures on Basic Electrical and Control Systems Engineering
- Conducted MATLAB and PSpice tutorial for undergraduate students as part of the Control System Lab.

## Education

2014-12 -  
2018-12

### Ph.D.: Electrical And Electronics Engineering

*National Institute of Technology Karnataka - Surathkal, India*

- Thesis: Localization of partial discharge source in oil insulation using acoustic emission technique: Non-iterative method, Newton's method and genetic algorithm
- Score (CGPA): **9.69/10**

2011-07 -  
2013-06

### Master of Technology: Power And Energy Systems

*National Institute of Technology Karnataka - Surathkal, India*

- Thesis: Acoustic Emission Partial Discharge Location Detection Using Genetic Algorithm
- Score (CGPA): **8.49/10**

2006-07 -  
2010-04

### Bachelor of Engineering: Electrical And Electronics Engineering

*Anna University - Chennai, India*

Score (Percentage): **83%**  
Electrical Engineering department topper  
Awarded best student of 2006-2010 batch

## Major Publications

- Deepthi Antony and G. S. Punekar, "Noniterative Method for Combined Acoustic-Electrical Partial Discharge Source Localization", **IEEE transactions on power delivery** vol. 33, no. 4, pp. 1679 - 1688, 2018 (SCI-indexed, Impact factor: 4.415)
- Deepthi Antony and G. S. Punekar, "Identification of invalid time-delay groups using discriminant and jacobian-determinant in acoustic emission PD source localisation," **IET Science, Measurement Technology**, vol. 11, no. 3, pp. 315–321, 2016 (SCI-indexed, Impact factor: 1.895)

## Achievements

- Secured first place in student paper competition in Electrostatics Joint Conference held in Boston University, USA, June, 2018.
- Represented Kerala State, Anna University and NITK Surathkal in National level Basketball Championships.