

Name: **Dr. SANTHOSHA KUMAR A**

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**Dept. of Electrical Engineering**  
**School of Engineering**  
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**Are of Interest:** Renewable Energy sources, Power System and Microgrid

**Education:**

**Ph.D** From Department of Electrical and Electronics Engineering, National Institute of Technology Karnataka (NITK), Surathkal, India. 2016.

**M.Tech** in Power and Energy Systems, Department of Electrical and Electronics Engineering, National Institute of Technology Karnataka (NITK), Surathkal, India, 2010

**B.E** in Electrical and Electronics Engineering, **BEC, Bagalkot**, VTU Belgaum Karnataka, India. 2007

**Experience:**

**Industrial:** Worked as graduate trainee in CPRI Bangalore

**Academic:**

Involved in funded projects on Wind and PV hybrid system and fuel cell.(While perusing PhD at NITK Surathkal )

Worked as Associate Professor in the Department of EEE, KITS (S), Telangana for three years.

Life Member ISTE

Member IEEE

**Responsibilities**

Actively involved in NAAC Accreditation process

IPR Cell Coordinator

Member of Career Guidance Cell

Volunteered in organizing Conference and workshop

Member of Internal Audit Committee

UG Projected Guided: 09

UG Project Coordinator

Organized work shop on Fabrication Practice of solar Panels, 23<sup>rd</sup>- 24<sup>th</sup> 2018 at KITS(S)

**Invited Talks**

Renewable Energy sources, KITS (S), FDP CARES-2017

Fuel Cells and Microgrids at SR Engineering College, FDP, REMATSF-2017

### **Workshop and Seminars attended**

Importance of Intellectual Property Rights, 4<sup>th</sup> September, 2019, NIT Warangal

NPTEL-AICTE Faculty development program on Electrical Distribution System Analysis

Recent Trends in Power System Operation and Control, 11<sup>th</sup>- 15<sup>th</sup>- June 2018, NITK Surathkal

Computer interfaced science/ Electronics experiments using expEYES on 23 annual 2018 at KITS (s)

Challenges and advances in renewable renewable energy sources, 6-11 November 2017, KITS(S)

Power electronics Applications and technology in present energy scenario, 4-5 March 2015, NITK Surathkal

Two day workshop on Smart Initiatives in Energy Systems 11<sup>th</sup>-12<sup>th</sup> September 2014 held at GE-John F, Welch Technology Center Bangalore

Lectures series on Advances in Process Control, 4<sup>th</sup> -5<sup>th</sup> 2013 ,NITK Surathkal

Selected Topics of research in electrical power 27<sup>th</sup>-28<sup>th</sup> September 2013, NITK Surathkal

**Volunteered** in 39<sup>th</sup> ISTE Annual convention and the National conference held on 18-20 December 2009, and National system Conference held at NITK Surathkal

- Publications:**
1. Santhosha, K.A. and Gaonkar, D.N. "Performance Analysis of a Variable-speed Wind and Fuel Cell-based Hybrid Distributed Generation System in Grid-connected Mode of Operation" **Journal of Electric Power Components and Systems (Taylor and Francis)** Volume 44, Issue 2, Jan 2016, pages 142-151
  2. Santhosha, K.A., Gaonkar, D.N. and Nayak, S.K. . "Performance Study of Grid Connected Fuel Cell Based Distributed Generation System with Ultracapacitor," Proc. IEEE PES Innovative Smart Grid Technologies - Middle East (ISGT Middle East), pp.1-4, December. 2011, Jeddah, Saudi Arabia
  3. Santhosha, K.A. and Gaonkar, D.N. " Performance Analysis of Variable Speed Wind Energy Conversion System in Grid Connected Mode." Proc. IEEE Fifth Power India Conference (PINCOF-12), Murthal India December 2012.
  4. Santhosha, K.A. and Gaonkar, D.N. " Modeling and Simulation Study of Fuel Cell and Wind Energy Based Hybrid Distributed Generation System." Proc. IEEE Fifteenth International Middle East Power Systems Conference Alexandria, Egypt, December 2012 (MEPCON'12)
  5. Santhosha, K.A. and Gaonkar, D.N. " Performance of wind system with battery-UC in grid connected mode." Proc. IEEE Seventh Power India International Conference Bikaner, Rajasthan, India, November 25-27, 2016 (PIICON'16)