

## CURRICULUM VITAE

### S. SHEIK MOHAMMED

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### Objective:

Intend to build a career with leading corporate of hi-tech environment with committed & dedicated people, which will help me to explore myself fully and realize my potential. Willing to work as a key player in challenging & creative environment.

### Research (PhD):

Pursuing **PhD** at Kalasalingam University, Srivilliputhur, Tamilnadu, India.

Area of Research: Solar Power

Title of Research work: **Design and Development of Power Conditioning System for Solar Power Applications**

### Experience: 6+ Years in Teaching

- Working as Instructor in the Department of **Electrical and Computer Engineering** at **Dhofar University, Salalah, Sultanate of Oman** from **September 2008 to till date**.
- Worked as a Lecturer in the Department of **Electrical and Electronics Engineering** at **St. Peter's University, Chennai, India** from **September 2006 to August 2008**.

### Education:

- **M.E in Power Electronics and Drives** from **Bannari Amman Institute of Technology, Sathyamangalam, Tamilnadu, India** with First class in **April 2006**.  
**Aggregate: 72%** of all semesters
- **B.E in Electrical and Electronics Engineering** from **Syed Ammal Engineering College, Ramanathapuram, Tamilnadu, India** with First class in **April 2002**.  
**Aggregate: 70.00%** of all semesters.

### Skill Set:

Operating System Packages	:	Win 9X, Win XP and Vista
	:	<b>OrCAD Pspice, MATLAB Simulink, Multisim, Zeland IE3D</b>
Languages	:	C++
Microcontroller	:	89C51
DSP	:	TMS320F240

**Field of Interest:**

- ❖ **Solar Power Generation**
- ❖ **Wireless Power Transmission**
- ❖ **Power Electronics**
- ❖ **Special Electrical Machines**
- ❖ **Electric Drives**
- ❖ **Antenna and Microwave Engineering**

**Paper Presentation and Publications:****Journal Publications:**

1. **S. Sheik Mohammed “Modeling and Simulation of Photovoltaic module using MATLAB/Simulink”** International Journal of Chemical and Environmental Engineering. Volume 2, Issue 5, pp 350-355, 2011.( <http://www.doaj.org/doaj?func=abstract&id=848231>)
2. **S. Sheik Mohammed, K.Ramasamy, T.Shanmuganantham “A Sierpinski Based Mirostrip Patch Antenna for Wireless Power Transmission System”** International Journal of Computer Application, Number 13-Article 18, February 2010. (<http://www.ijcaonline.org/archives/volume1/number13/273-433>)
3. **S. Sheik Mohammed, K.Ramasamy, T.Shanmuganantham “Wireless Power Transmission – A Next Generation Power Transmission System”** International Journal of Computer Application, Number 13-Article 18, February 2010. (<http://www.ijcaonline.org/archives/number13/274-434>)

**Conference Publications:**

1. **S. Sheik Mohammed “Modeling and Simulation of Photovoltaic module using MATLAB/Simulink”** accepted for presentation in International Renewable Energy and Environment Conference (IREEC 2011) to be held from 24-26 June 2011, Kuala Lumpur, Malaysia.
2. **S. Sheik Mohammed, Thabit Sultan Mohammed, and A. Shereen Siddhara “Solar Power Generation and Wireless Power Transmission: A feasibility study on Power Generation and Transmission in hot arid regions”** ICHT 2011 -International Conference on Harnessing Technology, February 2011, Muscat, Sultanate of Oman.
3. **S. Sheik Mohammed, C. Renald, K.Ramasamy, T.Shanmuganantham “A 2.45GHz Sierpinski Carpet Edge-fed Microstrip Patch Fractal Antenna for WPTRectenna”**, 2010 IEEE International Conference on Communication Control and Computing Technologies, October 2010, Tamilnadu, India.

4. **S. Sheik Mohammed**, K.Ramasamy “**Solar Power Generation using SPS and Wireless Power Transmission**” International Conference on Energy and Environment, March 2009, Chandigarh, India.
5. **S. Sheik Mohammed**, V. Kumar Chinnaiyan “**Design and Implementation of High Power DC-DC Converter and Speed Control of DC Motor using TMS320F240 DSP**” at **IEEE conference of India**, December 2006, held at Chennai, India.
6. **S. Sheik Mohammed**, V. Kumar Chinnaiyan “**A Novel Unity Power Factor Stage for AC Drives Application**” on February 2006 at Bannari Amman Institute of Technology, Tamilnadu, India.
7. **S. Sheik Mohammed**, V. Kumar Chinnaiyan “**DSP based DC Motor Speed Control for Industrial Application**” on March 2006 at Government College of Engineering, Salem, India.
8. **S. Sheik Mohammed**, V.Kumar Chinnaiyan “**Design and Implementation of Multistage DC-DC Step Up Converter for DC Drive Application** on February 2006 at Bannari Amman Institute of Technology, Tamilnadu, India.”
9. **S. Sheik Mohammed**, V. Kumar Chinnaiyan “**Implementation of Closed Loop Speed Control of DC Motor using TMS320F240 DSP**” on April 2006 at S.S.N College of Engineering, Chennai, India.

### **Declaration:**

I consider myself familiar with Electrical Engineering Aspects. I am also confident of my ability to work in a team.

I hereby declare that the information furnished above is true to the best of my knowledge.

**Date:**

**Place:**

**(S. Sheik Mohammed)**