SANTOSH R

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Objective

To pursue a career though a progressive organization offering a conductive work environment and providing an opportunity to prove personal capabilities and contribute to the growth of the organization.

Career Summary

- Evaluate the needs of the graduates and teach **MATLAB** code according to the project.
- Ability to modelling simulating and analysing multi domain dynamic system using **SIMULINK**.
- Energetic, organized, positive and self-motivated with ability to speak and write effectively.
- Ability to adapt quickly to challenges and changing environment.

Personal Qualities.

- Ability to explain difficult concepts very easily.
- Patience.
- Effective communication skills.

Education

POST GRADUATE MASTER IN ENGINEERING– Velammal Engineering College – India, Chennai

- Specialization: Applied Electronics.(7.35 cgpa) 2011-2013

UNDER GRADUATE BACHELOR IN TECHNOLOGY – Sri Ram Engineering College – India, Chennai

- Specialization: Electrical and Electronics Engineering.(70%) 2008-2011

DIPLOMA – Sri Ram Polytechnic College – India, Chennai

- Specialization: Electrical and Electronics Engineering.(77.29%) 2005-2008

Work Experience

ASSISTANT PROFESSOR–Sri Venkateswara Institute of Science & Technology - India, Chennai
June 2013 – April 2016

DEPARTMENT: Electrical and Electronics Engineering.

Published Work

Research Papers

- Speckle reduction and linear feature extraction from microwave images using Beamlet transform. *International conference on Science Engineering & Management Research* (ICSEMR' 14) special issue published in IEEE Journal *ISBN*: 978-1-4799-7614-0

- "A novel power reduction scheme for MIMO network interface is published in, *IJCA Proceedings on International Conference on Innovations in Intelligent Instrumentation, Optimization and Electrical Sciences* ICIIIOES (5):39-43, December 2013. Published by Foundation of Computer Science, New York, USA. ISBN: 973-93-80878-85-9h

Software Tool Used: Matlab, Simulink, Labview (RF Communication Toolkit)

Technical Knowledge/Subject Handled

- Mechatronics
- Very Large Scale Integration (VLSI) Design and Applications
- Power System operation & control
- Linear Integrated Circuits
- Mobile Networks, operating system.

Key Responsibilities Handled

- Develop and adjust curriculum to accommodate individual needs.
- Planned and instruct subject areas using a wide variety of teaching aids, strategies.
- Primarily responsible for teaching Electrical and Electronics. Overall student development, research, projects with students, grading assignments, mentoring students, etc.
- Key responsibility is to impart knowledge, skills and attitude transformation to undergraduate students in a professionally oriented learning environment.
- Established a learning environment to meet and enhance the students' needs of emotional, intellectual and creative strengths.
- The roles include liaising with other academic and non- academic staff in other departments, to ensure integrated delivery of all courses.
- Provide counseling and guidance to students for personality, career development, personal and professional development and academic progress.
- Undertake administrative and other duties as required by the institute from time to time.
- Identify and sort out quality problems.
- Control assembly rejection and maintain the necessary quality records.

Other Administrative/Academic Charges

- Convener of Board of Studies (BOS), Dept. of Electrical and Electronics Engineering
- Member of Organizing Committee of The Modeling & Simulation Of Electrical Power Systems (MSEPS) organized by Sri Venkateswara Institute of Science & Technology
- Member of Training & Placement Committee, Department of Electrical and Electronics Engg.
- Member of Curriculum Committee, Department of Electrical and Electronics Engineering.

Academic Project Experience

A NOVEL POWER REDUCTION SCHEME FOE MIMO NETWORK INTERFACE

2011-2013

In this paper, the antenna management technique is used to reduce the power for MIMO network interface on mobile systems. The main idea is to reduce some antennas and RF chains to improve capacity and reduce circuit power.

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Software Tools: MATLAB 2013 and LAB VIEW
Operating System: Windows and Ubuntu 14.0.2

Personal Information

- Date of birth - January 2nd ,1990
- Sex - Male
- Marital Status - Single
- Nationality - Indian
- Languages known - Tamil, English

References

- References available upon request.

Declaration

- I hereby declare that the above furnished details are true to the best of my knowledge.