

**Santhini**

**Santhini.332422@2freemail.com**

**Career Objective:**

To seek a career to share my knowledge and experience with students, while providing a challenging and constructive classroom environment.

**Personality Traits:**

* Excellent interpersonal skills
* Strong analytical, logical and mathematical skills
* Excellent presentation and communication skills both in written and verbal
* Patient & Hardworking
* Excellent motivational and leadership skills
* Ability in clarifying the doubts
* Ability to provide quality knowledge and to generate interest in the subject
* Proficient in giving conceptual knowledge in simple and interesting manner

**Recent Achievements:**

* Prepared the documentation for A P J Abdul Kalam Technological University at Government College of Engineering, Attingal.
* Initiated all the documentation to set up IEEE Chapter at Government College of Engineering, Attingal.
* Presented a paper entitled “Speed Estimation Algorithms for Sensorless Control of PMSM” in the 2013 IEEE International Multi Conference on Automation, Computing, Control, Communication and Compressed Sensingheld at St. Joseph’s College of Engineering & Technology, Palai, Kottayam.
* The paper, “Comparison of Speed Estimation Algorithms for PMSM Sensorless Control” was selected for IEEE International National Conference on Power Energy & Control at PSNA College of Engineering and Technology Dindigul, Tamilnadu on Feb 2013.

**Work Experience:**

***5 years of teaching experience in various Engineering Colleges located at Kerala.***

**Assistant Professor** at Government Aided IHRD College of Engineering, Attingal, Trivandrum, Kerala Affiliated by Cochin University of Science & Technology from 02/12/2014 to 25/04/2016

Key responsibilities handled:

*As an Assistant Professor at IHRD college:*

* Staff Chair in Department Association
* Conducting external lab examination
* Staff in charge of final year students
* Identify weak students and provide appropriate guidance
* Guide and assist Projects and Seminars

*As a Lecturer in Nehru College of Engineering and Research Centre, Thrissur, Kerala.*

* Guide and assist graduate students to carryout projects and seminars
* Organize industrial visits for students
* Co-ordinate extra-curricular activities of students
* Identify the weak points of students and provide necessary support to them
* Conduct Power point presentations for students
* Coordinating and supervising internal and external examinations

*As an M.Tech student:*

* Assist senior professors in academic documentation related to graduate students
* Paper evaluation for graduate students' internal exams

**Computer Knowledge/Application Skills**:

* Simulation with MATLAB and PSIM.
* Programming languages BASIC, C, C++, INTEL 8085, 8086, 8051, PIC 18.
* Orcad.
* LABVIEW.

**Industrial Visits Conducted:**

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| M.Tech | * Study of electrical drives and its applications in FACT (Fertilizers and chemicals Travancore LTD), Kochi
* Study of variable frequency drives and in RUBCO, Kottayam
* Study of various drives and its applications in KSE Ltd, Ettumanoor, Kerala
* Study of drives in Western India Plywood’s Ltd , Kannur, Kerala
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| B.Tech | * ISRO, Bangalore
* Hindustan Machines Tools, Ernakulam, Kerala
* Kerala Minerals And Metals Ltd , Kollam, Kerala
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**Seminars Conducted:**

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| M.Tech | * Vector control drive of permanent magnet motor without a shaft encoder
* A dual input dual output z-source inverter
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**Academic Projects:**

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| M.Tech | * Speed Estimation Algorithms For PMSM Sensorless Control
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| B.Tech | * Eddy current & Variable speed drive.
* Programmable Telephone Controlled Switch.
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**Activities:**

* Unit Chair in Electrical Association, Electrical and Electronics Engineering Department of Government College of Engineering, Attingal.
* Conducted technical fest & technical exhibitions under Electrical Association at Government College of engineering, Attingal.

**Conferences/Workshops Attended:**

1. International Conference on Engineering and Technology at Rajiv Gandhi Institute of Technology, Kottayam, Feb 2012.
2. 1st Indian Workshop of IEEE IAS STUDENT BRANCH CHAPTER conducted at Rajiv Gandhi Institute of Technology, Kottayam, October 2012.
3. Appeared for **Faculty Development Program** course in occupational Conducted by ISO Certification, INDIA.
4. Attended National Seminar in Electrical & Electronics Engineering Conducted By Nehru College of Engineering & Research Centre, KERALA.

**Academic Details:**

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| **Qualification** | **School/ College** | **Board /University** | **Year of Passing** | **% of Marks** |
| M. Tech –Industrial Drives & Control | Govt. Rajiv Gandhi Institute of Technology, Kottayam, Kerala | Mahatma Gandhi University | 2012 | 69 |
| B. Tech.– Electrical and Electronics Engineering | Govt. Aided College of Engineering, Perumon, Kollam, Kerala | Cochin University of Science & Technology | 2007 | 62 |

**PERSONAL DETAILS:**

Languages Known : English, Malayalam and Hindi

Hobbies : Listening to Music, Reading, Gardening and Handicrafts