AKSHARA MOHAN
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Objective

Accomplished, skilled and talented candidate with diverse knowledge of imparting knowledge in the areas of Electrical and Electronics Engineering. Looking to obtain an **Electrical Engineer** position in a dynamic organization, bringing exceptional ability to handle multiple projects with high professionalism.

Achievements

- Academic proficiency award for securing maximum CGPA in the year 2015-'16.
- Academic proficiency award for securing maximum CGPA in the year 2016-'17.
- Endowment award for the best outgoing student of Mtech (power systems) in EEE Department in the year 2016-'17.

Professional Summary

- Detailed knowledge about technical aspects of power systems in HVDC systems
- Participated a one week training programme on " NBA ACCREDITATION PROCEDURES" by National institute of technical teachers training and research, Chennai , Gov. of India
- Attended a two days FDP by Excellence Unlimited organized , SNGCET
- Attended training on Solar PV system designing by Steinbeis Solar Research Centre.
- Participate Art and skill of writing project reports and publishing journal paper by Indian Institute of Industrial Engineering in 2015.
- Attended Industrial Training at Kallada Hydro electric Project, KSEBL, Thenmala and 220 KV substation, Pothencode under KSEBL.

Experience

- [January 20 2020 to December 03 2020] : **Assistant Professor, Electrical and Electronics Engineering Department, Mohandas college of engineering and technology, Thiruvananthapuram, Kerala**
  - Build strong rapport with students through class discussions and academic advisement
  - Used variety of learning modalities and support materials for facilitate learning process and accentuate presentation including visual, aural and social learning modalities
- [August 01 2018 to January 16 2020] : **Assistant Professor, Electrical and Electronics Engineering Department, SNGCET, Kerala**
  - Created materials and exercises to illustrate application of course concepts
  - Evaluated student progress through analysis of test scores and homework completion
  - Contributed to planning appropriate and engaging lessons for both classroom and distance learning applications
- [May 05 2017 to Jul 31 2018] : **Managerial Staff, Amritha Gas Agency Ayoor Kollam, Kerala.**
  - Managed quality assurance programs including on-site evaluations, internal audits and customer surveys.

Educational Qualification

- M.Tech in Power systems, 2017, APJ Abdul Kalam Technological University, Kerala with 8.45 CGPA
- B.Tech in Electrical and Electronics Engineering, 2015, Kerala University, Kerala with 7.31 CGPA

Technical skills

- Subject skills: Power systems, Circuits and networks, Electric drives, Microprocessor and Microcontroller, Industrial Instrumentation and Automation, Power Electronics, Electrical Machines, Power System Analysis, Electromagnetics.
- Controllers: Basics of PLC, Arduino.
- Languages: Basics of C, C++
- Tools used: MATLAB 2014a, Lab VIEW 2015, ETAP,PSCAD

Personal Information

- Indian
- Unmarried
- Language: Malayalam(R/W/S), English(R/W/S), Hindi(R/W/S),Tamil(S)
- Willing to relocate anywhere in UAE

Visa Status – Visit Visa
Visa Validity – 10.06.2022

Project Undertaken

- Design and modelling of self-synchronized synchronverters based HVDC transmission system
- Dynamic Voltage restorer using AC chopper for voltage sag compensation in distribution system
- Implementation of an improved P&O –based MPPT Technique for PV systems using intelligent Method

Conference & Publication

.[1] Akshara Mohan, Prameeda Mohan," Design and Modeling of Synchronverter-Based HVDC Transmission Systems" PRABANDH 2017, 4th National Conference on Recent Advance in Computer Science, Applied Electronics and Power Engineering, April 19th 2017.

[2] Akshara Mohan, Prameeda Mohan," Design and Modeling of Synchronverter-Based HVDC Transmission Systems", International Journal of Advanced Research Trends in Engineering and Technology (IJARTET) Volume 4, Special Issue 6,April 2017.

[3] Akshara Mohan, Archana Mohan,"Dynamic Voltage Restorer Using AC Chopper for Voltage Sag Compensation In Distribution System", NaCTAE 2017, 3th National Conference on Technological Advancements In Engineering, March 25.

References

[1] Dr Deepa Nair, Head of Department, Department of Electrical and Electronics Engineering, Mohandas college of Engineering and Technology, Thiruvananthapuram, Kerala-695541

[2] Dr Lathika B S, Associate Professor, Department of Electrical and Electronics Engineering, Mohandas college of Engineering and Technology, Thiruvananthapuram, Kerala-695541

[3] Dr. Lakshmi Nair K B, Associate Professor, Department of Electrical and Electronics Engineering, P A Aziz College of Engineering and Technology, Thiruvananthapuram, Kerala-695564

Contacts in UAE

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[2] Sumayya Shyjuraj, Charge Nurse,Al Ain Hospital, Abudhabi, UAE