

GAYATHRI ACHANTA

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Professional Overview:

Dedicated Assistant Professor with experience in teaching research in the areas of Electrical & Electronics Engineering. Combines a focus on student achievement with a passion for scholarly work, presenting and publishing at conferences, and maintaining thought leadership in peer-reviewed journals. Deeply invested in learning in recent advanced Electrical Technologies, and an achievement- oriented approach to teaching.

Skill Highlights:

- Speaking
- Student mentoring
- Learning strategies
- Academic committees
- Curriculum development

Academic Qualifications:

- Masters in Power Electronics & Drives, 2019 from VELS UNIVERSITY, Chennai.
- Bachelor of Technology in Electrical & Electronics Engineering, 2011 from SASI INSTITUTE OF TECHNOLOGY & ENGINEERING, Tadepalligudem, Andhra Pradesh.

Professional Experience:

1. Working as a part time faculty in King's Cornerstone International College, Chennai from June 2023
2. King's Cornerstone International College, Chennai Apr – 2022 to Apr- 2023 (Asst. Professor in the Dept. of Electrical & Electronics Engineering)

Teaching Electric & Electronic principles, Digital principles & Electric power in aircrafts.

Documenting Assignment briefs as internal verifications, evaluations & preparing grading sheets as per Pearson guidelines

3. Ramachandra College of Engineering, Eluru Jan – 2020 to Jun – 2022 (Asst. Professor in the Dept. of Electrical & Electronics Engineering)

- Carry teaching load (4 courses & 2 Labs annually) with management related activities
- Participate in the faculty workshop series, FDP's, and other training programs for students
- Devote substantial time to publish papers on different concepts on SCOPUS INDEX
- Mentor students, developing individualized academic action plans in coordination with department head as needed
- Handled NBA ,NAAC and ISO works and acted as the Criteria incharge for college

4. Sasi Institute of Technology & Engineering, Tepalligudem Jun – 2012 to Apr – 2015 (Asst. Professor in the Dept. of Electrical & Electronics Engineering)

- Carry teaching load (4 courses & 2 Labs annually)
- Initiate, facilitate & moderate the classroom discussions
- Utilizing skills & qualities by assigning work to students in different project areas
- Mentor students, developing individualized academic action plans in coordination with department head as needed.

5. NOVA Institute of Technology & Engineering, Eluru May – 2011 to Apr – 2012 (Asst. Professor in the Dept. of Electrical & Electronics Engineering)

- Carry teaching load (4 courses & 2 Labs annually)
- Conducting lectures & preparing materials for undergraduate students
- Collaborate with colleagues to address teaching issues

Publications:

- *Modelling of PV Powered Standalone water pumping system using PMSM DRIVE.* International Journal of Control & Automation, ISSN.2005-4297.
- *Implementing Fuzzy Logic Controller for Non-Isolated DC to DC Converter.* International Journal of Control & Automation, ISSN.2005-4297.
- *Industry Process automation using programmable switching.* International Journal of Control & Automation, ISSN.2005-4297.
- *Design of prototype hybrid inverter for solar battery charging system.* International Journal of Advanced Science & Technology, ISSN.2005-4238.

Publications:

• *Method of protection of Induction Motor from phase imbalance and overtemperature.* International Journal of Advanced Science & Technology, ISSN.2005-4238.

• *An Implementation of a combined hybrid power system reliability model of distribution systems.* International Journal of Advanced Science & Technology, ISSN.2005-4238.

Memberships and Achievements:

IAENG from 2012

Holds JNTUK gold medal with university 6th rank

In M.E I have first class with distinction

Declaration:

I hereby declare that the above is true to the best of my knowledge and belief.

Place: Chennai

Date: Gayathri Achanta