## Faculty Profile

### Basic Information:



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|---|---|---|
| NAME | : | **Dr.KOMMURI HARINATH REDDY** |
| DESIGNATION | : | **ASSISTANT PROFESSOR** |
| DEPARTMENT: | | **EEE** |
| DATE OF BIRTH | : | **28/081981** |
| DATE OF JOINING | : | **18/09/2008** |
| EMAIL ID | : | **harinathreddyks@gmail.com** |
| EMPLOYEE ID: | | **:12** |

### Academic Profile:

| Qualification | Name of the Board/University | YEAR |
|---|---|---|
| Ph.D | MONAD UNIVERSITY,UP | 2024 |
| M.Tech | JNTUA | 2010 |
| B.Tech | SKU,ANANTAPUR | 2006 |

### Research Details:

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|---|---|---|
| 1. Areas of Specialization | : | EMBEDDED SYSTEMS |
| 2. No. of Publications | : | 30 |
| 3. Awards Received | : | NIL |
| 4. Research Guidance | | |
| | No. of PhD Guided: | |
| | No. of MTech. Guided: | 12 |
| | No. of B.Tech. Guided: | 20 |
| 5. Details of Professional Membership: | | ISTE & IE |
| 6. Subjects Taught | : | STLD, ELECTRICAL MACHINES, ANALOG ELECTRONICS, INSTRUMENTATION, EHVAC/DC, MPMC, ESPS, BEEE. |

## Publication Details:

| Title | Publisher | Published Year |
|---|---|---|
| 1.Economic Load Dispatch Downside with Valve-Point Result Employing a Binary Bat formula | International Journal of Electrical and Computer Engineering | 2014 |
| 2.Optimal location and size of distributed generations using kalman filter algorithm for reduction of power loss and voltage profile improvement | International Journal of Engineering Research and Development | 2014 |
| 3.Economic Load Dispatch Problem with Valve-Point Effect Using a Binary Bat Algorithm | ACEEE Int. J. on Electrical and Power Engineering | 2013 |
| 4.Modeling and Simulation of SRF Control Based Shunt Active Power Filter and Application to BLDC Drive | International Journal of Computer Science and Information Security | 2014 |
| 5.Back Propagation Algorithm Based Fuzzy Logic Strategy for Wind-DG Microgrid | Pramana Research Journal | 2017 |
| 6.LOW FREQUENCY OSCILLATIONS DAMPED BY USING D-FACTS CONTROLLER | International Journal of Computer Science and Information Security | 2014 |
| 7.Distributed static series compensators in mitigating sub-synchronous resonance improved with ANFIS controller | International Conference on Electrical, Electronics, Signals, Communication and Optimization (EESCO) | 2015 |
| 8.Power quality enhancement in microgrid using artificial intellegence controller | 2nd International Conference on Communication and Electronics Systems | 2017 |
| 9.Design of PI speed controller for 3-Ph converter fed DC motor drive using symmetrical optimization | Journal of Applied Science and Engineering | 2021 |
| 10.Water Cycle Algorithm Tuned Cascade Controller for the Frequency Control of a Nonlinear Hydrothermal Power System with PEV Integration | E3S Web of Conferences | 2024 |
| 11.Subsynchronous Resonance Mitigation in SMIB System Using GCSC and TCSC with Conventional and Fuzzy Logic Controllers | Third International Conference on Advances in Electrical, Computing | 2023 |
| 12.An Efficient Shortest Path Optimized Algorithm For Vehicle Adhoc Networks System | 2024 7th International Conference on Circuit Power and Computing Technologies | 2024 |
| 13.Hybrid boost-cuk converter with bat-chicken swarm-optimized PI controller for photovoltaic grid systems | Future Technology | 2025 |