Mr. Ravikiran Inapakurthi

Associate Professor

Department

Electrical and Electronics Engineering

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Academic Background

Ph.D. (Pursuing) – Andhra University

M.Tech. (Power Electronics) – National Institute of Technology, Calicut

B.Tech. (Electrical and Electronics Engineering) – GMR Institute of Technology

Mr. Ravikiran Inapakurthi has more than ten years of rich experience in the field of Power Electronics. He has guided several graduate and post-graduate students towards their degrees. Variety of courses like Power Electronics, Control Systems, Network Analysis, Electrical Machines, Electrical Measurement, taught by him showcase his keen interest in teaching.

He also worked as a research fellow at IIT Delhi under Summer Faculty Research Fellowship Programme. He has been an active learner and gained knowledge in Machine Learning, Deep Learning, Arduino Programming, Python, Java, .Net, and Salesforce.

Currently he is actively involved in research and development activities. He has published **seven** research articles in various peer reviewed journals of which **three** are indexed in **Science Citation Indexing**. He has communicated one research proposal to AICTE under RPS Scheme.

Research Interests:

Electric Vehicles, Renewable Energy Systems, Power Electronic Converters, and Non-Linear Control.

Achievements:

1. Ramakrishna S S Nuvvula, Devaraj Elangovan, Kishore Srinivasa Teegala, Rajvikram Madurai Elavarasan, Md Rabiul Islam, **Ravikiran Inapakurthi**, "Optimal Sizing of Battery-Integrated Hybrid Renewable Energy Sources with Ramp Rate Limitations on a Grid Using ALA-QPSO," Energies (MDPI), (SCI indexed and Open Access) https://www.mdpi.com/1996-1073/14/17/5368/htm
2. Ayyarao S.L.V. Tummala, Ravikiran Inapakurthi, "A Two-Stage Kalman Filter for Cyber-Attack Detection in AGC system", Journal of Modern Power Systems and Clean Energy (IEEE), (SCI indexed, Free and Open Access) https://doi.org/10.35833/MPCE.2019.000119
3. Ayyarao S.L.V. Tummala, **Ravikiran Inapakurthi**, P. V. Ramanarao "Observer based sliding mode frequency control for multi-machine power systems with high renewable energy", Journal of Modern Power Systems and Clean Energy (Springer), Volume:6, Issue:3, pp-473-481, May, 2018. (SCI indexed, Free and Open Access) https://doi.org/10.1007/s40565-017-0363-3
4. Ayyarao SLV Tummala, **Ravikiran Inapakurthi**, P.V.Ramana Rao, "A novel gain tuning of anti-windup PID controller using antlion optimization", International Journal of Control Theory and Applications 10(16):85-94, June 2017.