

Faculty Profile



Name: Dr DHARAVATH KISHAN

Designation: Assistant Professor

Teaching Areas: Power Electronics, Control Systems

Research Interests: Power Electronic Applications in Electric Vehicles, Micro grid, Wireless Power Transfer for EV Applications.

Education:

- Ph.D : National Institute of Technology, Tiruchirappalli, 2018.
- M.Tech: CMRCET (JNTUH), Hyderabad, 2013.
- B.Tech: MRIET (JNTUH), Hyderabad, 2011.

Professional Experience (Total: Inclusive of Teaching and Industrial)

1. Feb 2015 – Sep 2018 Research Scholar, National Institute of Technology, Tiruchirappalli.
2. June 2014 – Jan 2015, Assistant Professor, SPEC (JNTUH), Hyderabad.
3. June 2012 – May 2014, Assistant Professor, SPEC (JNTUH), Hyderabad.

Research / Selected Publications:

1. **Dharavath Kishan**, P Srinivasa Rao Nayak “Performance Analysis of Series/Parallel and Dual Side L-C-C Compensation Topologies of Inductive Power Transfer for EV Battery Charging System” in *Frontiers in Energy-Springer Publications*, (Accepted for Publication) DOI: 10.1007/s11708-018-0549-z.
2. P Srinivasa Rao Nayak, **Dharavath Kishan**, P Sathish “Investigation of Mutual Inductance between Circular Spiral Coils with Misalignments for Electric Vehicle Battery Charging” *IET Science, Measurement & Technology*, Volume 12, Issue 7, October 2018, p. 844 – 850.
3. **Kishan Dharavath**, P. Srinivasa Rao Nayak “Development and Analysis of S/S Resonant Wireless System for Electric-Two Wheeler Battery Charging” *International Journal of Electric and Hybrid Vehicles* – Accepted for Publication.
4. **Dharavath Kishan**, P. Srinivasa Rao Nayak “Wireless Power Transfer Technologies for Electric Vehicle Battery Charging – A State of the Art”, *Proceedings of IEEE International Conference on Signal Processing, Communication, Power and Embedded System (SCOPES)*, Oct 3-5, 2016, Odisha, India.
5. Dileep K, **Kishan Dharavath** and Sankaran R “Speed Control of PMBLDC Motor for Electrically Assisted Power Steering System”, *Proceedings of IEEE International Conference on Energy, Communication, Data Analytics and Soft Computing (ICECDS)*, Aug 1-2, 2017, Chennai, India.
6. P. Srinivasa Rao Nayak, **Kishan Dharavath** “Design and Analysis of SS Resonant IPT System with Computed Mutual Inductance through FEM Model” *Proceedings of IEEE International Conference on Power Instrumentation Control and Computing*, Jan 18-20, 2018, Kerala, India.
7. P. Srinivasa Rao Nayak, **Kishan Dharavath**, Radhakrushna Dey, K. Sundareswaran and Sishaj P Simon “Performance Evaluation of Square Coupled Coils at Different Misalignments for Electric Vehicle Battery Charging” *4th International Conference on Vehicle Technology and Intelligent Transport Systems (VEHITS)*, Mar 16-18, 2018, Portugal.