

Mr.C. Kumar, M.E., M.I.S.T.E.,

Assistant Professor

Dept. of Electrical and Electronics Engineering

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Academic Background

Degree	Specialization	College/University	Class	Year
B.E	Electrical and Electronics Engineering	V.M.K.V Engineering College, Salem (Vinayaka Mission University Salem)	FWD	2011
M.E	Power Electronics and Drives	Paavai Engineering College, Namakkal-18 (Affiliated to Anna University, Chennai)	FW	2013
Ph.D	-	-	-	-

Years of Experience: 8 Years 10 Months

Areas of Specialization

Power Electronics
Electrical Machines
Power System
Computer Vision
Machine Learning
Mat lab

Research Contribution

1. **Post Graduate Project** on “Neural Network Based Interleaved Buck Boost Converter for DC Drives”, Jun 2013.
 2. **Under Graduate Project** on “Safety Monitoring for Substation Perimeter Using ZIGBEE Technology”, April 2007.
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Research Publications in International Journals

1. **Kumar.C** ,March 2019,'Performance enhancement of PV system using LUO converter and FLC based P&O MPPT' **Journal of Applied Science and Computations (JASC)** Volume-VI/issue-III/ISSN NO: 1076-5131(UGC approved journal Serial Number: **41238, Impact Factor 5.8**)
 2. **Kumar.C**, March 2018,'Optimal PAM Control for a Buck Boost DC-DC Converter with a Wide-Speed-Range of Operation for a PMSM' **Journal of Applied Science and Computations (JASC)** Volume 5,special issue 9, ISSN 2394-3777(Print) ISSN 2394-3785(Online) (UGC approved journal Serial Number: **41238, Impact Factor 5.8**)
 3. **Kumar.C** ,March 2017, Grid Connected Hybrid Power System' **Journal of Applied Science and Computations (JASC)** Volume 4,special issue 11, ISSN 2394-3777 (Print)ISSN 2394-3785 (On line) (UGC approved journal Serial Number: **41238, Impact Factor 5.8**)
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Research Publications in International and National Conference

International Conference

1. **C.Kumar**, "The Neural Network Based Control Of Buck Boost DC – DC Converters For DC Motor Driveson Variable Dc Voltage'' International Conference on Computing Information Electronics and Electrical Engineering, March 2019.
2. **C.Kumar**, "A New Topology of Solar Based High Efficient Water Pumping System Using Cuk Converter'' International Conference on Recent Innovation in Science, Engineering & Management (ICRISEM), March 2018.
3. **C.Kumar**, "Scalable Source Transmission with Unequal Frequency Reuse in MIMO Cellular Networks.'' International Conference on Newer Engineering Concepts and Technology, March 2018.
4. **C.Kumar**, "Recent Advancements In Energy Storage Technologies For Smart Grid Applications'' International Conference on Computing Information Electronics and Electrical Engineering, December 2018.
5. **C.Kumar**, ;ZVZCS Based Single Phase 14 level Flying Capacitor Multilevel inverter an ANN Controller, International Conference on Newer Engineering Concepts and Technology, March 2017.
6. **C.Kumar**, " Advanced Technologies for Research &Product Development'' In: Proc. Of the international conference held at Kathir college of Engineering – Coimbatore, on December 2012
7. **C.Kumar** "Advanced Computing Machines and Embedded Technology 'In: Proc. Of the international conference held at J.K.K.Nattraja College of Engineering and Technology ,Namakkal, March 2013
8. **C.Kumar** "Localization and Tracking of Wild Animals using Radio Frequency Identification Technology with Zigbee'' In: Proc. Of the international conference held at Muthayammal Engineering College, Rasipuram-Tamil Nadu, December 2013

National Conference

1. **Kumar.C** ‘Recent Advancements In Energy Storage Technologies For Smart Grid Applications’ In: Proc. Of the national conference held at Kongu Nadu College of Engg and Tech, Tiruchy, India 21st December 2019.
2. **Kumar.C** “Intelligent Controller in Electrical and Electronics Systems ‘In: Proc. Of the national conference held at AVS Engineering College – Salem, March 2013
3. **Kumar.C** “Innovations in Electrical, Electronics and Control Systems” In: Proc. Of the national conference held at Kumaraguru College of Technology -Coimbatore.
4. **Kumar.C** “Innovations in Power Engineering and Soft Computing” In: Proc. Of the national conference held at Sona College of Technology – Salem.
5. **Kumar.C** “Frontier Research in Power and Energy Conversion” In: Proc. Of the national conference held at Muthayammal Engineering college – Rasipuram.
6. **Kumar.C** “Frequency Stabilization with Fuzzy Logic Based Technique HVDC Link in a Parallel Connected AC-DC Inverter” In: Proc. Of the national conference held at Dr.Navalur Neduchezhiyan College of Engineering in Tholudur.

Membership

- ISTE - Lifetime Member

Additional Responsibilities:

Member of Admission Cell
Member Secretary of Physical Education
Program Officer of Youth Red Cross
Member of Discipline Committee

[C.KUMAR]