



Mr. Krishnan S

Assistant Professor

Experience (Teaching and Industry)

- RNS Institute of Technology (July 2025 to Till date)
- SRM Easwari Engineering College (June 2024 to December 2024)
- Chennai Institute of Technology (April 2017 to June 2024)
- Jaya Institute of Technology (July 2013 to April 2017)

Qualifications

- B.E EEE (T.J Institute of Technology, Anna University, Chennai)
- M.E Power Electronics and Drives (S.K.R Engineering College, Anna University, Chennai)
- Ph.D Pursuing (Sathyabama Institute of Science and Technology, Chennai)

Specialization (Academics)

- Electrical Drives
- Power Electronics
- Design of Electrical Machines

Specialization (Research)

- Power Electronics

Publications

- IEEE Access Volume. 12, pp. 24396-24411, 2024, "Boundary Value Controlled Gamma Z-Source Inverter for Pump Applications," doi: 10.1109/ACCESS.2024.3363440.
- International Journal of Power Electronics and Drive Systems, Volume 14, Issue 4, December 2023, pp. 1955~1964 "FOPID controlled, PV Based, QBC fed Gamma Z-Source Inverter applicable for pump operations in an induction motor drive, DOI: 10.11591/ijpeds.v14.i4.pp1955-1964
- Materials Today Proceedings, "Identification of converter for Gamma ZSI fed induction motor drive system" <https://doi.org/10.1016/j.matpr.2023.01.106>
- 2024 International Conference on Recent Innovation in Smart and Sustainable Technology (ICRISST) "Fuzzy Logic Controlled Trans-Z Source Inverter Fed PMBLDC Motor Drive," Bengaluru, India, 2024, pp. 1-5, doi: 10.1109/ICRISST59181.2024.10921808.
- AIP Conference Proceedings, Volume 2519, Issue 1, October 2022 "Analysis of modified DC-DC single ended primary inductor converter with high voltage gain"
- AIP Conference Proceedings, Volume 2519, Issue 1, October 2022 "Power oscillation damping control by satcom using fuzzy controller"