

Sri. Yaramasu Suri Babu

Assistant Professor

Electrical & Electronics Engineering Department

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Date of Joining:22-06-2006

Educational Qualifications:

- Pursuing Ph.D from ANU.
- M.Tech in (Power & Industrial Drives) JNTU College of Engineering, Ananthapur 2005.
- B.Tech in (EEE) JNTU College of Engineering, Hyderabad, 2001.

Total Teaching experience: 17 Years and 9 Months. (As on 15-04-2024)

Industrial Experience: 1 Year.

Research Interests: Power Electronics and Drives, Nonconventional energy sources.

Memberships in Professional Societies: Member of IAENG

[Publons citations](#)

[Scopus Citations](#)

[Google Scholar Citations](#)

[ResearchGate Citations](#)

[Vidwan ID](#)

[Orcid ID](#)

Research Work/Research Papers Published:

1. Yaramasu Suri Babu, K. Chandra Sekhar; "Five-phase induction motor drive for electric vehicle with high gain switched-inductor quasi impedance source inverter", International Journal of Power Electronics and Drive Systems (IJPEDS), 13, 1, 411-422, 2022, Institute of Advanced Engineering and Science (IAES)
2. Raveendhra, Dogga; Rajana, Poojitha; Narasimharaju, Beeramangalla Lakshminarasaiah; Babu, Yaramasu Suri; Rusu, Eugen; Fayek, Hady Habib; "Analysis and Operation of a High DC-AC Gain 3- ϕ Capacitor Clamped Boost Inverter", Energies, 15, 8, 2955, 2022, MDPI.
3. Babu, Yaramasu Suri; Sekhar, Koritala Chandra; "Investigation of common mode voltages of single stage boost inverter for five phase induction motor drive", International Journal of Power Electronics and Drive Systems, 13, 3, 1352-2022, IAES Institute of Advanced Engineering and Science
4. Yaramasu Suri Babu, K. Chandra Sekhar; "Investigation of Common Mode Voltage problems in five-phase Induction Motor Drive", Design Engineering, 2021, 6, 6074-6087, 2021, Design Engineering
5. Y. Suri Babu, K. Chandra Sekhar, "Battery Assisted, PSO-BFOA based Single Stage PV Inverter fed Five Phase Induction Motor Drive for Green Boat Applications", Intelligent Systems, Technologies and Applications, 2020, Volume 910, ISBN : 978-981-13-6094-7, DOI: 10.1007/978-981-13-6095-4_17.
6. Y. Suri Babu, K. Chandra Sekhar, "Current-Fed Switched Boost Inverter Fed 5-Phase Induction Motor Drive for EV Application", Dec 2020 in Solid State Technology.
7. Yaramasu, S.; Koritala, C.S., "V/F based Multi-Phase Induction Motor Drive For PV Powered Boat Applications", July 2019 in International Journal of Innovative Technology and Exploring Engineering, DOI: 10.35940/IJITEE.I8614.078919
8. Yaramasu Suribabu and Sridevi. T, "Mitigation of Voltage Sag and Swell in a Grid Connected PV System by Using Dynamic Voltage Restorer", International Journal of Creative Research Thoughts, V 6, N 2, 659-665, 2018.
9. Suribabu Yaramasu, "Performance Analysis of Three-Phase Four leg voltage source converter" in International Journal of Science, Engineering and Technology Research, V 6, N 8, Pp1316-1321, 2017
10. Mr.Y.Suri Babu, A.SaiKrishna Assistant Professor, "Power Control Scheme of D-Statcom", in Int. Journal of Engineering Research and Applications ISSN : 2248-9622, Vol. 4, Issue 6(Version 3), June 2014, pp.37-42.
11. "Shunt Active Power Filter for Current Harmonic Cancellation", Proc. Of International Conference on Control, Communication & Power Engineering, July 2010, PP.274-276.

Conference Proceedings:

1. yaramasu Suribabu, kumari, P.Anjali, "Shunt Active Power Filter for Current Harmonic Cancelation", Proc. Of International Conference on Control, Communication & Power Engineering, 274-276, 2010, Proc. Of International Conference on Control, Communication & Power Engineering.

Workshops / Seminars / Courses Participated:

- Participated in AICTE sponsored Quality Improvement Programme (QIP) short-term course on "PWM Control Techniques in Modern Multi-Phase Power Converters used for Grid Interfaces and Industrial Drives" organized via online mode during 11-01-2021 to 15-01-2021 by the Department of Electrical Engineering, Indian Institute of Technology Roorkee.
- Attended the National Webinar on "Converter Harmonics-Causes and Elimination", by Dr. Pramod Agrawal, Professor, EED, and IIT Roorkee and organized by the Rewa Engineering College, Rewa (M.P.) held on 27th July 2020 under TEQIP-III.
- Participated in the 3-day Online Webinar on "DC to DC Converters for EV, Protection of Photovoltaic (PV) systems, Electric Vehicle Technology" organized by Department of Electrical and Electronics Engineering in association with IEEE SB SBCE on 21st, 22nd and 23rd July 2020 through Google Meet.
- Attended Five Days FDP Program "Technological Advances in Power Switching Converters for Renewable Energy Sources and Fuel Cell Technology for E-vehicles", Bapatla Engineering College, Bapatla, June 01-05, 2020.
- One-day workshop on Arduino, training was organized by the Teaching Learning Centre, ICT at IIT Bombay remote centre RVR & JC College of Engineering. Feb 8, 2020.
- One-day workshop on eSim, a first course in the IOT series for teachers', Teaching Learning Centre ICT at IIT Bombay, held at RVR&JC College of Engineering (Remote Centre). 21 Sep 2019.
- Short term course on "multi-level inverter and its application". IIT Roorkee, Roorkee, during 04 Feb 2019 to 08 Feb 2019.
- Short term course on "Innovative techniques for hybrid AC-DC grid monitoring, operation and protection", IIT Roorkee, Roorkee from 18-06-2018 to 22-06-2018., IIT Roorkee, Roorkee.
- HANDS ON TRAINING IN APPLICATIONS OF POWER ELECTRONICS AND CONTROL SYSTEMS., NIT PUDUCHERRY 18-20 MAY 2017
- One-day seminar on "current research trends in power engineering", VIT University, Chennai campus, on 25 Jun 2016.
- One-day workshop on "The art of publishing, writing thesis and project proposal", KL University, Guntur, on 23 Apr 2016.>
- Attended One day seminar on "current research trends in power engineering", at VIT University, Chennai campus on 25 June 2016.
- Attended One day work shop titled "The art of publishing, writing thesis and project proposal", at KL University, Guntur on 23 April 2016.

- Participated in Two day national workshop on "Model-Based Digital PWM Control Techniques for Power Electronics Applications", 25-26, October 2013, conducted by department of electrical engineering, National institute of technology, Warangal.
- Participated in AICTE Sponsored Three day national workshop on "Signal and Image Processing using LabVIEW" 11th to 13th November 2013 organized by Department of ECE at RVRJC College of Engineering, Guntur.
- Two day national seminar on "power electronics and electric drives and their applications in power systems" 14-15 July, 2007 at Sree Vidyanikethan Engineering College, Tirupati.
- Two day national workshop on "applications of computational intelligence in power systems and drives" 25-26, April 2008 at Narasaraopet Engineering College, Narasaraopeta.
- Two day national workshop on "Advances in Power Electronics and drives" 27-28, December 2008 at S.V. Engineering College, Chittoor.
- Two day national workshop on 'DSP Applications to Power Electronics' 10-11, July 2009 at S.V. Engineering College, Chittoor.
- One day national level seminar on "Non-conventional energy sources" 24-10-2009 at Gudlavalleru Engineering College, Gudlavalleru.

Sponsored Projects

- Design of relaying equipment for various applications

Academic/Administrative duties:

In charge of advanced electrical machines lab

Members in committees

RVRJCCE SAC (student amenities committee)

Differently abled persons