

Faculty Profile



Name: Dr. Sudheer Hanumanthakari

Designation: Associate Professor

Teaching Areas: Power Electronics, Neural networks and Fuzzy Logic, Control Systems, Data Science, Machine Learning.

Research Interests: Machine Learning, AI, Soft computing Techniques, AI in Electrical vehicles and Drives.

Education:

- PhD in Electrical Engineering from JNTUA, 2018
- M.Tech (Power Electronics) from JNTUH, 2008
- B.Tech (EEE) from JNTUH, 2003

Research / Selected Publications: (Total-18, Total citations-231, Google scholar H index -8):

1. Sudheer, H., Kodad, S., Sarvesh, B., Improvements in SVM-DTC of Induction Motor with Fuzzy Logic Controllers Using FPGA, (2017) International Review of Electrical Engineering (IREE),12 (5), pp. 440-449.
2. Sudheer H, S. F. Kodad, and B. Sarvesh. "Implementation of Robust Direct Torque Control of Induction Motor using FPGA Spartan-6 Board" Journal of Electrical Systems, Vol.14,No.2, 2018,pp: 34-46.
3. Farrukh Sayeed, Sudheer Hanumanthakari, et.al., A novel and comprehensive mechanism for the energy management of a Hybrid Micro-grid System, Energy Reports, Volume 8, Supplement 8,2022, Pages 847-862,ISSN 2352-4847.
4. Bibhu Prasad Ganthia, Sudheer Hanumanthakari, "Machine Learning Strategy to Achieve Maximum Energy Harvesting and Monitoring Method for Solar Photovoltaic Panel Applications", International Journal of Photoenergy, 2022.

Conference/Book Chapters: Total (15)

1. S. Hanumanthakari, S. K. Pullela, S. N. Bhukya, K. Vijayalakshmi, S. R. Ahmad and N. Kumar, "IoT based Patients Monitoring System in Healthcare Service," 2022 International Conference on Automation, Computing and Renewable Systems (ICACRS), Pudukkottai, India, 2022, pp. 1324-1329,.
2. Hanumanthakari, S, and Panda S. K. "Detecting Face Mask for Prevent COVID-19 Using Deep Learning: A Novel Approach." Smart Intelligent Computing and Applications, Volume 2: Proceedings of Fifth International Conference on Smart Computing and Informatics (SCI 2021). Singapore: Springer Nature Singapore, 2022.

Selected patents: (Published -5 patent in The Patent Office Journal, India)

Awards: Received **Shri NJY-Best Teacher Award**, IFHE Hyderabad for the AY:2020-21.