Faculty Profile

Name:	**Dr. H Sudheer**
Designation:	Assistant Professor, EEE
Teaching Areas:	Electrical Science-I & II, Control Systems, Electrical Machines, Neural Networks and Fuzzy Logic,
Research Interests:	Application of fuzzy logic to control AC drives, Improvements in DirectTorque Flux Control using Artificial Intelligence methods
Education:	PhD in Electrical Engineering from JNTUA, 2018
	M-Tech (Power Electronics) from JNTUH, 2008
	B.Tech (EEE) from JNTUH, 2003
	PGDIM from IGNOU university, 2011

Professional Experience: (Total: 15 years)

1. 2011-Till date: Assistant Professor, Faculty of Science & Technology, IFHE (Deemed University), Hyderabad.
2. 2010-2011: Assistant Professor, Krishna Murthy Institute of Technology and Engineering, Ghatkesar.
3. 2005-2010: Assistant Professor, Aurora's Engineering College, Bhongir.
4. 2003-2005: Assistant Professor, Naranyanpet Institute of Tech. and Science, Narayanpet.

Research / Selected Publications (Total-14, No. of citations-68, Google scholar H index -6):

1. Sudheer H, S. F. Kodad, Sarvesh B. "Improvements in SVM-DTC of Induction motor with Fuzzy Logic Controllers using FPGA", International Review of Electrical Engineering (IREE), (Vol. 12, Issue 5, 2017, pp: 440-449.(Scopus Indexed, SJR 2017: 0.549, SNIP 2016: 0.685)
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. (SCI-E, Scopus Indexed, SJR 2017: 0.24, GIF 2015 : 0.987)
3. Sudheer, H., S. F. Kodad, and B. Sarvesh. "Improvements in direct torque control of induction motor for wide range of speed operation using fuzzy logic." Journal of Electrical Systems and Information Technology (2017).
4. Sudheer H, Sarvesh B and Kodad SF "Improved Fuzzy Logic based DTC of Induction machine for wide range of speed control using AI based controllers" Journal of Electrical Systems, 12-2(2016).301-314 France. (SCI-E, Scopus Indexed, SJR 2017: 0.24, GIF 2015 : 0.987)
5. Sudheer H, S. F. Kodad, Sarvesh B. "Sensorless Direct Torque Control of Induction Motor Using AI Based Duty Ratio Controllers." International Review on Modelling and Simulations (IREMOS), Vol. 9, Issue 5, 2016, pp: 339-347.(Scopus Indexed, SJR: 0.407, SNIP: 0.399).
6. Sudheer H, S. F. Kodad, B. Sarvesh , "Direct Torque and Flux control of Induction Machine using Fuzzy Logic controller" *Journal of Electrical Engineering (JEE)*, Vol.17, No.2, 2017, pp: 122-128.(Scopus Indexed, SJR 2016: 0.14)