

## FACULTY PROFILE



**Name:** H SUDHEER  
**Designation:** Assistant Professor, EEE  
**Teaching Areas:** Electrical Science-I & II, Control Systems, Electrical Machines

**Research Interests:** Application of fuzzy logic to control AC drives, Improvements in Direct Torque Flux Control using Artificial Intelligence methods

### Education:

- (PhD) ,JNTU Anantapur , PhD Thesis Submitted
- M-Tech (Power Electronics) from JNTUH, 2008
- B.Tech (EEE) from JNTUH,2003
- PGDIM from IGNOU university, 2011

### Professional Experience: (Total: 13 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, Narayanpet Institute of Tech. and Science, Narayanpet.

### Research / Selected Publications:

1. 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.
2. 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, pp: 122-128, 2017.
3. 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,PP.No.301-314, 2016.
4. Hanumanthakari, Sudheer, S. F. Kodad, and Sarvesh Botlaguduru. "Sensorless Direct Torque Control of Induction Motor Using AI Based Duty Ratio Controllers." *International Review on Modelling and Simulations (IREMOS)* 9.5 PP. 339-347, 2016
5. Sudheer H, Sarvesh B and Kodad SF "Torque ripple reduction in direct torque control of induction motor using fuzzy logic based duty ration controller" published in "International Journal of Electronic Engineering Research" ISSN 0975 - 6450 Volume 3 Number 1, pp.1-12, 2011.