**Dr. Pappula Sampath Kumar**

Assistant Professor

Electrical and Electronics Engineering

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## Biography:

Pappula Sampath Kumar has received his B.Tech (Electrical and Electronics Engineering) from the JNTUH, Hyderabad, India, in 2004 and his M.Tech. (Control Systems Engineering) from JNTUA, Anantapur, India, in 2007 and Doing Ph.D. from JNTUK, Kakinada, India, respectively.

In 2004, he joined as Assistant Professor in the Department of Electrical Engineering, Rao & Naidu Engineering College, Ongole. In July 2007, he joined CMC, Hyderabad, as SCADA Trainee Engineer. He is Assistant Professor, BEC, Bapatla, Since 2008.

Pappula Sampath Kumar has guided 4 M.Tech, and 15 B.Tech Projects. His areas of interest include solar PV grid interface systems, microgrids, power quality, DSP Based Control of Power Converter monitoring and mitigation, improved power quality AC-DC converters, power electronics, flexible alternating transmission systems.

Pappula Sampath Kumar is a Life member of International Association of Engineers (IAENG) and a Life Member of the Indian Society for Technical Education (ISTE).

## Awards & Honors:

1. Published TWO scopus journals and Got acceptance from ONE SCI journal.
2. Published several Journals and Conferences in various reputed journals.

## Selected Publications:

1. **Sampath Kumar Pappula**, Sushama Malaji, “Strategic demand response frame work for energy management in distribution system based on network loss sensitivity”, ***Energy & Environment Journal***, Online issue 0(0) 1–18, DOI: 10.1177/0958305X19893041, 21-Jan, 2020. eISSN: 20484070- 0958305X. **SCI**.

2. **Sampath Kumar Pappula**, Sushama Malaji, "Mitigation of power quality profile enhancement by design of conventional MC-UPQC with a new strategy of fuzzy and adaptive control techniques", Materials Today, ISSN: 2214-7853, Accepted in ***Elsevier Journal***. 02-03-2019. **SCOPOUS**

3. **Pappula Sampath kumar**, Sushama Malaji, "A PI with fuzzy based multifunctional DSTATCOM operating under stiff source", ISSN: 2352-2534, Accepted Going to publish in ***Springer Journal Energy***. On May-2020. **SCOPOUS.**

4. **P. Sampath Kumar**, M. Sushama, "Power Quality Profile Enhancement Using Hybrid Fuzzy Logic Control Based Multi Converter UPQC In Distribution System", Journal of Advanced Research in Dynamical and Control Systems, in ***JARDCS***- **Nov-2018**-vol.10, (9), pp. 2620 to 2632, ISSN: 1943-023X. **SCOPOUS.**

5. **Pappula Sampath kumar**, M.Sushama, "Improving quality of power using try converter unified power quality conditioner (T-UPQC)", ***ARPN*** journal of Engineering and applied sciences ,Vol.13 No.6, **March 2018**, pp.2124-2131, ISSN 1819-6608. 15 H Index. **SCOPOUS.**

6. **Pappula. Sampath kumar**, Dr. M.Sushama, "A fuzzy based multi-functional DSTATCOM operating under stiff source", ***IJARLT***, ISSN (O) 3011-3030, ISSN (P) 3041-3053, Vol 9, Issue 3, **July 2017**, pp 2195-2199. IF 5.41.**UGC.**