

**SWATHI YC** M.Tech (PE)

Assistant professor,

Department of Electrical and Electronics,

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### **AREA OF INTEREST**

- Power electronics

### **TEACHING EXPERIENCE**

- Presently working as an Assistant professor in BIET, Davangere from 23 November 2021 to till date.
- worked as an Assistant professor in Siddaganga Institute of Technology, Tumkur (July 2018-July 2020)

### **EDUCATIONAL ENHANCEMENT**

- M.Tech in power electronics (electrical) from Jawaharlal Nehru national college of Engineering, Shivamogga (VTU) 2017, secured First class with distinction.
- B.E in Electrical and Electronics from PES Institute of technology & management, Shivamogga (VTU) 2015, secured First class

### **CONFERENCES AND WORKSHOPS**

- Attended webinar on "Power Electronics Recent Trends and Application" at Siddaganga Institute of Technology Tumkur, from 3<sup>rd</sup> August to 10<sup>th</sup> August 2020.
- Has completed four days webinar on "Internet of Things and Raspberry Pi Programming" conducted by Electrowing Services, Chalkarnji, during 14<sup>th</sup> July to 17<sup>th</sup> July 2020.
- Presented Research Paper Titled "Reduction of harmonics using DC-link shunt compensator in single phase grid connected motor drive system" in Third IEEE International Conference On Electrical, Electronics, Communication, Computer Technologies And Optimization Techniques. ICEECCOT-2018. Held at GSSS Institute Of Engineering And Technology For Women, Mysuru.
- Presented Research Paper Titled "Design and analysis of an highly efficient inverter topology for solar photovoltaic application with reduction in leakage current" in 2nd International Conference On Emerging Trends In Engineering Sciences And Management. (ICEESM'18). Organised By RGM College Of Engineering & Technology Nandyal, Andhra Pradesh.

- Attended BITES Annual convention-2019,with theme- "Communication and Computing standards", held at BNM institute of Technology, BSK II stage, Bengaluru on November 22- 23,2019.
- Attended All India Seminar on electric vehicles: prospects and challenges(AISEV). And presented paper “renewable energy fed BLDC motor with DC-DC converter using MPPT for electric vehicles” held at S D M college of Engineering and technology, Dharwad.
- Participated two day workshop on “Electric vehicles” organized by department of electrical and electronics engineering ,Siddaganga Institute Of Technology,Tumkuru.
- Attended one week faculty development program on topic Electric drives and its applications organized by the electrical and electronics department, Siddaganga Institute Of Technology, Tumkur.
- Presented Research Paper Titled” Dc-Link Shunt Compensator for Single Phase Grid Connected Motor Drive System” in National Conference On Research In Science ,Engineering And Management NCRSEM-2017 Held at PES Institute of Technology And Management, Shivamogga.

## **PROJECT**

- Reduction of harmonics using DC-link shunt compensator in single phase grid connected motor drive system.

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