

Dr.J.Ravindra

Assistant Professor

Department of EEE

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Biography

Dr.Ravindra Janga, born on 14th Apr 1984, in Guntur, A.P., India. Obtained his B.Tech degree in 2007 from SCREC, Chilakaluripet and M.Tech degree in 2010 with a specialization in Electrical Control Systems from Govt.College of Engineering Pune and Ph.D. from JNT University, Hyderabad in August 2018. Presently he is working as Asst. Professor in the Department of Electrical & Electronics Engineering, Bapatla College of Engineering, Bapatla since July,2010. His research interests include ac-dc converters with power factor correction and modelling, analysis & Control of Switching Converters. He has made significant research contributions in the area of Design of Digital Controllers for High Switching Frequency DC-DC Converters and acting as reviewer for most refereed journals.

Awards & Honors

1. Got College Best Faculty Award for the Academic Year 2018-2019.
 2. Got Best paper award for the paper entitled "**Small Signal modeling of Active Clamp Full-wave Forward Converter with Average Current Mode Controller**" in IEEE conference ICRDPET-2013.
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Selected Publications

- [1] Ravindra Janga, Sushama Malaji "Design of PWM based Sliding Mode Controller for an Active Clamp Forward Converter with Current Doubler Rectifier" submitted for review in April, 2019 to International Journal of Engineering and Advanced Technology (IJEAT) (**Scopus Indexed**) , ISSN: 2249 – 8958.
- [2] Ravindra Janga, Sushama Malaji "Modeling and Design of PWM based Sliding Mode Controller for Active Clamp Forward Converter" Journal of Electrical Engineering (**Scopus Indexed**), Polytechnica Publications, 2018,Vo1ume 18, issue 1, Article 21, ISSN:1582-4594.
- [3] Ravindra Janga, Nagalakshmi Narayana "An Improvement in Performance of Grid Connected PV System with High Step-up DC-DC Converters" European Journal of Advances in Engineering and Technology (**UGC Approved**), 2018, Volume 5, Issue 7, Page No.: 427-436, ISSN:2394-658X.
- [4] Ravindra Janga, Sushama Malaji "PWM Based Sliding Mode Controller for High Switching Frequency DC-DC Converter with State Space Averaged Modelling" Conference proceedings in CITAES2018, November, 2018.
- [5] RavindraJanga, SushamaMalaji "Performance Evaluation of Active Clamp Forward Converter with Fuzzy Logic Controller" conference proceedings **IEEE Explore 2017 International Conference on Intelligent Computing and Control (I2C2)** Pages: 1 – 6, DOI: [10.1109/I2C2.2017.8321895](https://doi.org/10.1109/I2C2.2017.8321895).

