

Mr. Balakrishna Nallamothe

Assistant Professor

EEE Department

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Biography

Mr. Balakrishna Nallamothe received his M.Tech degree from Sastra University, Thanjavur, Tamil Nadu in 2010. He did his B.Tech, EEE in 2007 from JNTUH. He is currently pursuing Ph. D. in Annamalai University, Tamil Nadu.

His research is in the broad area of Controllers for fast acting DC/DC converters, Fast Charging of EVs and EV charging stations. His focus is on mathematical modelling formulation and analytical solution of problems in implementing control strategies for fast acting DC/DC converters. He has made significant work in his selected research area. He is engaged in industrial consultancy activities for various industries and organizations and also got expertise training from BOSCH Rexroth on Industrial automation.

Selected Publications

1. Balakrishna Nallamothe, B. Santhana Krishnan and Ravindra Janga, "An Improvement in Performance of Grid Connected Electric Vehicle Fast Charging with Sliding Mode Controller", UGC Care Journal of SIPN, Vol-40-issue-74, 1168-1175, (2020)
2. Balakrishna Nallamothe, B. Santhana Krishnan and Ravindra Janga, "Performance Evolution of Constant Current Controllers used in Fast Charging of Electric Vehicle with Fuel Cell system", Journal of Advanced Research in Dynamical & Control systems, Vol-12-issue-02, 2205-2214, (2020)
3. Balakrishna Nallamothe, B. Santhana Krishnan and Ravindra Janga, "Performance Evaluation of Fast Charging DC-DC Converter for Electrical Vehicle with Root locus based Digital Controller", Springer Proceedings in Energy, (2020)

Workshops Attended

1. Faculty Development Program on Artificial Intelligence and Deep Learning conducted by Andhra Pradesh state skill development corporation from 01-07-2020 to 28-07-2020
2. Faculty Development Program on Electric Vehicle Technologies organised by IEEE Madras Section from May 6th to 9th 2020
3. Faculty Development Program on IOT organised by Andhra Pradesh state skill development corporation from 01-06-2020 to 13-06-2020
4. Faculty Development Program on Hardware implementation of power electronic converters and Active filters organised by CVR college, Hyderabad from 02-12-2019 to 07-12-2020.