



Mr. Benny K. K.

Assistant Professor, Electrical & Electronics Engineering

Administrative Responsibilities

- IEI Faculty Advisor
- Department News Letter Faculty in-Charge
- College Magazine Committee Chairman

Education Summary

- M.Tech (Industrial Drives and Control)
- B.Tech (Electrical & Electronics Engineering.)
- 3 Year Diploma (Electrical Engineering)

Employment History

- Head of the Department (5 years)
- Asst.Professor (3 years)
- Lecturer (3 years)
- Senior Technical Asst. and Site Supervisor (10 years)

Journal/Papers Published

- “An Efficient High Voltage FullBridge DC-DC Converter for High Voltage DC Applications” and published it in the proceedings. International Conference on Electrical Engineering and Computing Sciences held at Ooty in June 2012.

- Hardware Implementation of LLC Resonant Inverter for Induction Heating with Asymmetrical Voltage Cancellation method.
- National conference on emerging trends in Electrical Engineering at CET- TVM in Aug-14
- Voltage gain enhancement by coupled inductor. International Conference and Journal Research and Publication (IFERP-2015), Alappuzha in Aug-15
- Hardware implementation of voltage gain enhancement by KY and Buck boost converter. International conference on emerging trends in Electrical, Electronics and Computer(ICEECS-15), Chittoor in Sep-15.
- A Single Switch DC-DC Converter with high voltage gain using Switched Inductor and diode capacitor. International conference on emerging trends in Engineering and technology (ICEECS) Aug - 15.
- A Highly Efficient Isolated DCDC Boost Converter. IJSDR Conference /Journal of Scientific Development and Research in Sep-16.
- A Highly Efficient Fully Soft switched Isolated DC-DC Boost Converter. NIER International Conference Ernakulum in Aug-16.
- High step up interleaved converter For sustainable energy application. International Conference on Institute for Technical and Academic Research (ITAR2015) Chittoor in Aug-16.

Specialized Trainings

- One-day Workshop in Faculty Orientation in Electrical and Electronics Engg. at M.A. College Kothamangalam in August 2002.
- One-day workshop on the Role of Technical Institutions in Harnessing Renewable Energy Sources at Rajagiri School of Engg. & Technology Ernakulum in May 2004.
- Five day FDP in Auto CAD for Electrical Engineers at Rajeev Gandhi Institute of Technology, Pambady Kottayam in March 2013.
- Five day FDP in Use of NMEICT and other ELearning Resources for Classroom Teaching at Mangalam College of Engineering Ettumanoor, Kottayam in June-2015.
- Three day FDP in Grid Integration of Renewable Energy Sources at Rajeev Gandhi Institute of Technology, Pambady Kottayam in July 2015.

- One day FDP in Five Major Errors and How to Prevent them at Mangalam College of Engineering Ettumanoor, Kottayam in November 2015.
- Two day FDP Outcome Based Value System and Values of NBA at Meenakshi College of Engineering Chennai in June 2016.
- Three day FDP in IT Tools for Academics and Research By ICT Academy of Kerala in Mangalam College of Engineering from 6th to 8th December 2017.
- Five day FDP in “System Design using MATLAB” sponsored by APJ Abdul Kalam Technological university at Mangalam College of Engineering from 18th to 22nd December 2017.

Areas Of Interest

- Power Electronics
- Electrical System Design and Socially oriented projects.