

## FACULTY PROFILE



NAME : Binsy Joseph  
DESIGNATION : Assistant Professor  
QUALIFICATION : M.Tech.(Power Electronics)  
EMAIL : binsy\_joseph@frcrce.ac.in  
AREA OF INTEREST : Power Electronics, Solar Photovoltaic Energy -Grid interfacing Technologies ,Circuit Simulation

---

PROFESSIONAL BACKGROUND : Working as Assistant Professor at Fr.Conceicao Rodrigues College of Engineering, Bandra from Feb 2006 till date

: Junior Research Fellow at Power Electronics Group, C-DAC, Trivandrum Dec 2004 – Sept 2005.

: Lecturer at Amrita VishwaVidyapeetham, Coimbatore from Jan 1999 – Sept 2001.

EDUCATIONAL DETAILS : B. Tech. (Electronics & Communication Engg), University of Calicut, 1998.

: M.Tech. Power Electronics, Amrita VishwaVidyapeetham, Coimbatore, 2005.

ADMINISTRATIVE BACKGROUND : BE Project Coordinator from June 2016 – July 2017

Ph.D. SUPERVISED : Nil

RESEARCH GRANT PROJECTS/PATENTS :

PUBLICATIONS :

### International Conferences:-

- 1) Nadeem Ahmad, Binsy Joseph, 'A review paper on Multilevel Inverters with its control and power quality parameters' on Imperial Journal of Interdisciplinary Research (IJIR), Vol-3, Issue-1, Jan, 2017, ISSN:2454-1362
- 2) Binsy Joseph, 'Harmonic Analysis of 3phase converters using third harmonic current Injection Method' in the proceedings of International Conference on Control Communication Power Engineering (CCPE-12) organized by ACEEE on April 27-29th, 2012.
- 3) Anju Yadav, Binsy Joseph, K.Narayanan, 'Comparative Analysis of two Control Strategies based on Instantaneous Reactive Power Theory for 3phase Shunt Active Power Filter' in the proceeding of ICAC3, 2015 published by ELSEVIER.

- 4) Hemlata S. Pol, Binsy Joseph, Shilpa Patil 'Comparative Study of Direct Power Control Techniques for 3phase PWM Rectifier', in the proceeding of ICAC3,2015 published by ELSEVIER.
- 5) Binsy Joseph,'Switched mode power supply using Flyback converter'; in the proceedings of International Conference on Recent Technologies (i-CORT) on February 9-11,2012.
- 6) Binsy Joseph,'Fast Fourier Transform for Active Filter current compensation in unbalanced systems" at International Conference on Emerging Technological Trends in Advanced Engineering Research [ICETT 2012], February 20-21,2012.
- 7) Binsy Joseph, "Switched Mode Power supply using Flyback Converter" at International Conference on Emerging Technological Trends [ICETT 2012], February 20-21, 2012 .
- 8) Binsy Joseph,'Multi output Switch –Mode power supply using Flybackconverter' at International conference on Global Technology Initiatives (ICGTI) on 29th-30th March,2012.

**International Journals:-**

- 1) Binsy Joseph,'Multi Output Switch-Mode Power Supply using Flyback Converter',at International Journal of Global Technology Initiatives' issue1 March 2012,ISSN No 2277-6591.
- 2) Binsy Joseph,'Harmonic Reduction in three phase rectifier using third harmonic current injection'at Communications in Computer Information Science Vol 296,ISBN 978-3-642-35864-7
- 3) AnjuYadav, Binsy Joseph,K.Narayanan'Sinusoidal Current Control based Shunt Active Power Filter for current Harmonics Reduction'at International Journal of Science and Research,Vol 4,Issue 7,July 2015,ISSN 2319-7064.

BOOKS AUTHORED : Nil

TRAINING PROGRAMS CONDUCTED :

- Co-ordinator of One week ISTE STTP on Accreditation & Quality Assurance from November 17-21,2014
- Co-ordinator of One week ISTE STTP on Embedded Systems & Real Time Applications January 04-08,2010
- Co-ordinator of Workshop on Advanced Power Electronics & Drives August 2010
- Co-ordinator of Workshop on Neural Network & Applications 2012

PARTICIPATION IN TRAINING PROGRAM :

- Participated in CEP TEQIP Course on "Power Electronics & Applications to Renewable Energy Conversion" conducted under TEQIP II by IIT Bombay during Feb 17-22, 2017.
- Attended one week STTP programme on "Research Methodology" at Baguhabi,Mumbai May 2018.
- Attended one week TEQIP-II sponsored workshop on "SMART GRIDS:Renewable integration & Micro grids" in collaboration with IIT Kanpur at VJTI during 25th Feb-1st March,2017.

- Participated in workshop on "Innovative Research in Pedagogy with Mini MOOCs to Enhance Quality in Higher Education" from 7-8 July,2017 at Fr.CRCEBandra.
- Participated in Two days FDP on "Hands-on Training on System Simulation Tools (MULTISIM, LABVIEW & ULTIBOARD)" on 5th & 6th August, 2016.
- Participated in 2-Days Faculty Development programme on "Intellectual Property Rights" 05th Feb. 2016 – 06th Feb. 2016.
- Seminar on "Designing and Implementing Signal Processing, Computer Vision and Communication Systems using MATLAB and Simulink" organized by DesignTech Systems Ltd on 12th April,2016 at Fr.CRIT,Vashi.
- Participation in FDP on power electronics based Matlab/ simulink held at RAIT between 31st July to 1st August 2015.
- ISTE Approved Wipro Mission 10X Advanced workshop on "Effective Teaching Methodology" at Fr.CRCE,Bandra,2012.
- ISTE workshop on "Writing Effective Conference Papers" under the National Mission on Education through ICT conducted by IIT Bombay 2012.
- Participated two day workshop on "Stress management and how to avoid stress " held on 1st &2nd February 2013 at Mumbai University.
- Participated in two day FDP on "ProjectManagement, Knowledge management,SAN and emerging wireless technology"held on 6<sup>th</sup>&7<sup>th</sup> February 2013 conducted by Tata consultancy services at TCS Thane.

INTERACTION WITH OUTSIDE WORLD :

PROFESSIONAL AFFILIATIONS :Life Member of ISTE

OTHERS DETAILS :