

## FACULTY PROFILE

Name of the faculty	Dr. G.RAGHAVENDRA
Designation	ASSOCIATE PROFESSOR
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## Educational Qualification

Degree	Specialization	University	Year of Passing
Ph.D	Electrical Engg	Jain University	2018
M.Tech	Digital Electronics	VTU	2011
B.E	Electrical & Electronics Engg	VTU	2003

## Work Experience

Teaching	Research	Industry
17	-	-

## Publications

National/International Journals	National/International Conferences	Books Authored/Edited
11	4	-

## Area of Interest

Power systems	Smart grids
Distributed generation	Database management systems
Microcontrollers	

## Project Funds

Nil

## Project Funds

Nil

## Membership in Professional Bodies/University Bodies/Organization

- MIE

## Publications

### National/International Journals

1. "Situational analysis of distributed system and its effectiveness in area of power system" - Journal IJCA Oct 2014.
2. "Predictive-based stochastic modeling of power transmission system for leveraging fault tolerance" – Springer International Publishing (Scopus indexed) 2016
3. "Novel Framework for Predicting Fault Tolerance using Stochastic Modelling on Distributed Power Line Transmission" - International Journal of Electrical Engineering (IJEE) 2017
4. "Supercapacitor Power Management Using Boost Converter Renewable Energy Fed DC Motor"- International Journal of Scientific & Engineering Research (IJSER) 2017
5. "Voltage Stability Evaluation for Southern Grid-72 Bus System"- Emperor International Journal of Finance and Management Research [EIJFMR] 2017
6. "Case Studies on VVFD Part I: Estimation of Harmonics and Interharmonics at Various Operating Frequencies"- Journal of Advanced Research in Dynamical and Control Systems (JARDCS) (Scopus indexed) 2017
7. "An Efficient Fault Tolerant and Cost Optimized Power Model for Distributed Power Generation System"- Journal of Advanced Research in Dynamical and Control Systems (JARDCS) (Scopus indexed) 2018
8. "Situation Analysis of Load Shedding and its Effectiveness in the Area of Power System Security"- International Journal of Applied Engineering Research ISSN 0973-4562 Volume 13, Number 20 (2018) pp.14561-14565
9. "A Penalty based Self Adaptive Harmony Search Algorithm for Optimal Load Shedding"- International Journal of Engineering and Advanced Technology (IJEAT) ISSN: 2249-8958, Volume-8 Issue-5, June 2019
10. "A Novel Optimization Approach For Solving Optimal Load Shedding Problem Considering Different Voltage Stability Indices"- International Journal Of Scientific & Technology Research Volume 8, Issue 08, August 2019 ISSN 2277-8616
11. "Voltage and Frequency Based Optimal Load Shedding using Improved Self Adaptive Harmony Search Algorithm"- International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8 Issue-11, September 2019

## National /International Conferences

1. "An overview of power quality issues, problems and related standards"- National conference RAET 2011.
2. "Implimentation of Poisson noise removal in image processing using VST and MS-VST"- National conference RAET 2011.
3. "Design, implementation and testing of transformer static differential relay circuit with harmonic blocking"- National conference CCSO 2013.
4. "Poisson noise removal in image using MS-VST, Wavelets, Curvelets and Ridgelets "- International conference IR Net 2011.

## Faculty Development Programme Participated

1. Attended A Two Day Faculty Development Program On Msp430 Microcontroller Organized By Texas Instruments In Collaboration With VTU & Cranes Software At Texas Instruments, Bagmane Tech Park, C.V Raman Nagar, and Bangalore On 18,19th Jan 2012.
2. Attended Five Day FDP On Potential Research Avenues & Emerging Technologies In The Field Of Electrical Engg Organized By REVA Institute Of Technology & Management From 12th To 16th March 2012.
3. Attended mission 10X & Advanced mission 10X training program from Wipro at Acharya institute of Technology Bangalore.
4. Attended Five day FDP on NBA and outcome based education at NITTE, Bangalore.
5. Attended seven day faculty development program on Power Electronic Converters for Renewable Energy Systems conducted by Kalasalingam Academy of Research & Education during 27<sup>th</sup> May to 2<sup>nd</sup> June 2020.
6. Attended one week FDP on Electric vehicle organized by department of Electrical Engineering, Jhulelal institute of technology, Nagpur from 11<sup>th</sup> to 16<sup>th</sup> May 2020.
7. Attended Five day FDP on "NEXT GENERATION INTELLIGENT POWER GRID TECHNOLOGIES – A FUTURE" conducted by Department of ELECTRICAL & ELECTRONICS ENGINEERING - DSATM in association with IEEE PES, Bangalore Chapter from 28-07-2020 to 01-08-2020.
8. Attended Three Day Faculty Development Program on "EMBEDDING RESEARCH & DEVELOPMENT IN ACADEMIC ENVIRONMENT" during 1st June to 3rd June 2020 organized by the Department of Electrical and Electronics Engineering, SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY, Bangalore-562157.
9. Attended five day Faculty Development Program on "Advances in Power Electronic Applications" held from 4th August to 8th August, 2020 organized by the Department of Electrical and Electronics Engineering, BMSIT, Bangalore.
10. Participated & completed successfully AICTE Training and Learning (ATAL) Academy Online FDP on "Control Systems & Sensors Technology" from 2020-10-5 to 2020-10-9 at University Visweswaraya college of Engineering.
11. Attended one week FDP on " NBA and NAAC Accreditation Process" organized by IQAC of MS Ramaiah Institute of Technology under AICTE Margdarshan Scheme from 4<sup>th</sup> to 8<sup>th</sup> June 2020.

## Workshop Attended

1. Attended The National Conference On Recent Advancements In Engg And Technology (RAET 2011) At Dr.TTIT,K.G.F On March 25th 2011.
2. Attended The International Conference On Computer Science And Information Technology (CSIT 2011) At Residence Hotel Bangalore Held On 24th And 25th July 2011.
3. Attended One Day National Level Workshop On “Challenges & Opportunities In Smart Grid Technology & Distribution Automation” Organized By E&EE Dept Of Dayananda Sagar College Of Engg, Bangalore On 2<sup>nd</sup> March 2012.
4. Attended Three Day Workshop On CAED at HKBK College and Sir MVIT in January 2013.
5. Attended one day workshop on women harassment organized by AICTE at MSRIT.
6. Attended one day subject discussion for power system planning (10EE756) at Belgaum on 10<sup>th</sup> October 2013.
7. Attended two day workshop on Latex at Jain University from 12<sup>th</sup> to 13<sup>th</sup> December 2013.
8. Attended one day national conference at Sri Krishna Institute of technology on 31<sup>st</sup> October 2009.
9. Attended two day international conference on harnessing employability skills at VTU Belgaum from 21<sup>st</sup> to 22<sup>nd</sup> February 2014.
10. Attended one day workshop on Introduction to research investigations in recent years in Electrical & Electronics Engineering at BNMIT Bangalore on 16<sup>th</sup> march 2009.
11. Attended two day workshop on Power Quality & Energy Management at UVCE from 25<sup>th</sup> to 26<sup>th</sup> march 2009.
12. Attended mission 10X & Advanced mission 10X training program from Wipro at Acharya institute of Technology Bangalore.
13. Attended one day workshop on Technological Advances in Industrial Automation at BMSIT on 26<sup>th</sup> April 2013.
14. Attended two day workshop on emerging research areas in Electrical Engineering at Acharya Institute of technology from 27<sup>th</sup> to 28<sup>th</sup> Sep 2013.
15. Attended one day workshop on embedded system development using ARM Controller at Indian Science Machine on 5<sup>th</sup> march 2006.