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RESEARCH INTEREST

Electric vehicles, Energy Trading, Power System, Microcontroller and IoT

TEACHING EXPERIENCE Having **18 years** of teaching experience.

- Presently working as Assistant Professor from December 2012 in Electrical & Electronics Engineering, BIET, Davangere to till date.
- Worked as Lecturer in Electrical & Electronics Engineering, B.I.E.T., Davangere from September 2005 to November 2012.

EDUCATION

M.Tech. in Computer Science & Engineering from BIET, Davangere Affiliated to Visvesvaraya Technological University, Belagavi, during the year 2010

Percentage (First Class):

7.98 CGPA

**Pursuing Ph.D. (21PHREN063) at Jain University
Bengaluru**

PROFESSIONAL MEMBERSHIP:

- Member of Indian Society for Technical Education (ISTE), Member for Institute of Engineers (IE).
- Member of International Association Of Engineers-IAENG

SKILLS PROFILE

- Operating System: Windows 9x/2000.
- Languages: C, C++, MATLAB
- Microcontroller Knowledge : 8051, Arduino

PUBLICATIONS

In International and National Conferences:

- Published a paper on “Energy Auditing of Electrical Distribution Networks” in 2nd National conference on advance in Energy conversion technologies (AECT 2008), Held at MIT, Manipal April 18-19, 2008.
- Presented a paper on “Experimental determination of THD for different lighting loads”- in the National Conference on Advances in Electrical Engineering (NCAEE09)” held at NMAMIT, Nitte from Sep 25, 2009 to Sep 26, 2009.
- Published a paper on “A Geo-Tagging Based Hybrid Mobile Attendance System “in
- the international Journal of Scientific Research in Computer Science, Engineering and Information Technology (IJSRCSEIT), Volume 5, Issue 6, November- December 2019.

- Published a paper on “Intelligent Eye Ball Controlled Wheel Chair for Paralyzed Patients Using Arduino “in the international Journal of Engineering Science and Computing. Volume 10, Issue No.6, June 2020.ISSN 2250-1371.
- Published a paper on “An intelligent Method to load Management of Microgrid operation using Multi-agent System “Journal of Recent Trends in Electrical Power system ,Volume 5, DOI: <https://doi.org/10.5281/zenodo.7085287>
- Published a paper on “Auction based Single Buyer Trading model in Grid Tied Microgrid with active Sellers and Buyers“e-Prime - Advances in Electrical Engineering, Electronics and Energy, Volume 4,<https://doi.org/10.1016/j.prime.2023.10013>,Elsevier, Scopus (Q3)
- Published a paper on “ Pi Based Direct torque control of PMSM for torque ripple reduction “e-PrimeWorld Journal of Advanced Research and Reviews, Volume 3, <https://doi.org/10.30574/wjarr.2023.20.3.2198>

ACHIEVEMENTS

- Bagged First Prize for the Presentation of Paper on “Experimental determination of THD for different lighting loads” in the National Conference on Advances in Electrical Engineering (NCAEE09)” held at NMAMIT, Nitte from Sep 25, 2009 to Sep 26, 2009.
- Best Teacher Award at the Institute Level
- Completed successfully 12 Weeks NPTEL Course on “Smart Grid:Basics of dvanced Technologies”, Jan- April ,2024.

SPONSORED PROJECTS:

- Smart Waste Management System using IoT “ UG Project Sponsored by KSCST of Rs 5000.00,Year -2021
- “Automated Ration Dispenser” Sponsored by NAIN, Karnataka of Rs.2.46 lakhs.Year-2021

SHORT TERM COURSES/WORSHOPS ATTENDED:

- Attended the Two-day workshop on “Recent trends in Electrical Engg” conducted by the department of E & E Engg,JNNCE, Shimoga, during 10 – 11– 2006 and 11 – 11– 2006.
- Attended the Two-day workshop on “Recent trends in Power Transformers” conducted by the department of E & E Engg., RVCE, Bangalore, during 11 – 08– 2008 and 12 – 08 – 2008.
- Attended the Seminar on “Recent trends in Nanotechnology” conducted by the ISTE and IIPC, BIET, Davangere, on 20-08-2008.
- Attended the national conference on “Recent trends in Cryptography” conducted by the department of IS&E, BIET,Davangere, during 01 – 04– 2009 and 02 – 04– 2009.
- Attended the “National Conference on Advances in Electrical Engineering (NCAEE-09)”’conducted by the department of E&E Engg., NMAMIT, Nitte, during 25 – 09– 2009 and 26 – 09– 2009.
- Attended the Two-day workshop on “Advances in Electrical Power Systems and Artificial Intelligence Techniques” conducted by the department of E & E Engg., BIET, Davangere, during 11 – 02– 2011 and 12 – 02– 2011.
- Attended the Three day VTU-VGST Sponsored Faculty Development Programme “Re-engineering of environmental assessment process[REIAP]”, held at BIET, Davangere, during 05 – 03– 2011 and 07 – 03– 2011.
- Attended the Three days training Programme on “ Introduction to Low Voltage Switchgear” conducted Larsen and Toubro Limited ,Coonoor,Ooty, during 04 – 07– 2011 and 06 – 07 – 2011.
- Attended the Two-day workshop on “MSP430 Microcontroller” conducted by the department of E & E Engg, VVIET,Mysore, during 12 – 12– 2011 and 13 – 12 – 2011
- Attended the Two-day workshop on “Low Power Embedded Systems Using Texas Instruments MSP430 Microcontroller” conducted by the department of E & C Engg in association with Cranes Software international Limited and Texas Instruments at BIET, Davangere, during 09 – 02– 2012 and 10 – 02– 2012

- Attended the Two-day Faculty Development Programme on “Labview and its applications “conducted by the department of E & C in association with Trident Techlabs Pvt.ltd held at BIET, Davangere, during 02 – 08– 2012 and 03 – 08 – 2012
- Attended the Three day Faculty Development Programme on “FEEL Teacher” conducted by the AIM INSIGHTS at BIET, Davangere, during 19– 04– 2013 and 21 – 04 – 2013
- Attended one day workshop on “Research Methodology” conducted by the R&D cell at BIET, Davangere on 28.10.2015.
- Attended Two days’ workshop on “ARM Cortex M3 Microcontroller” organized by BIET chapter,E&C Department & Advanced Electronic systems at BIET, Davangere during 23– 01– 2018 and 24 – 01 – 2018
- Attended one workshop on “Computer Vision in industry ,Cloud & Microservices an API” organized by Training and Placement Cell,BIET & in association with Tata Consultancy Services at BIET, Davangere,16.02.2019
- Participated in one week AICTE-ISTE Sponsored induction/Refresher Programme on “Recent Advances in Smart Grid Technology” From 21st to 26th January 2019,Organised by Department OF Electrical & Electronics Engineering ,University BDT College of Engineering ,Davangere ,
- Participated in three days workshop on “introduction to IoT and its Prototype” From 25th to 27th September 2019, Organised by MCA Department, BIET,Davangere.
- Participated in Five day Faculty Development Program on “Data Science and Big Data Analytics” From 21th to 25th January 2020,Conducted by ICT Academy at BIET,Davangere
- Participated online Quiz on “Research Methodology” organized by department of CSE ,KLE college of Engineering & Technology on 27/05/2020.
- Participated in One week online FDP on “NBA and NAAC Accreditation” Organized by MSRIT under AICTE Margadarshan Scheme from 4th to 8th June 2020.
- Participated in Webinar on “Wavelet Transformation approach for MIMO Power line Communication” organized by Don Bosco Institute of Technology, Bengaluru on 5th june 2020.
- Participated in Webinar on “Application of Statistics to Artificial Intelligence ” organized by Don Bosco Institute of Technology ,Bengaluru on 18th june 2020.
- Participated in One online week FDP on “Contemporary Scenario in Power System” Organized by ATME,Mysuru from 25th to 30th July 2020.
- Participated in online Webinar on “Remote Lab Platform for Hardware Circuit Experiments” organized by BIET,Davangere on 10/11/2020.
- Participated in AICTE Sponsored One week online short Term Training program on “Recent Developments in Smart City (Smart-2020) ” Organized by Department of E&E Engg. SSIT,Tumkuru from 7th to 12th December 2020.
- Participated in One week online FDP on “Tools and Techniques for Effective Research writing ” Organized by Department of E&E Engg.PESIT,Shimogga from 7th to 11th December 2020.
- Participated in Four days FDP on “Renewable energy conversions and Management” Organized by MGM’s Polytechnic Aurangabad from 27th to 30th Jan 2021.
- Participated in Three days FDP on “Artificial Intelligence Using MATLAB”Organized by CoreEl Technologies,Mathworks,Bengaluru from 23rd to 25th Feb 2021.
- Mentored project “Smart waste management system using IoT”presented in national level Project competition organized by Dept. of EEE,ATME,Mysuru
- Participated in One week online FDP on “Emerging trends of Blockchain technology in engineering” ” Organized by Department of E&E Engg.,SVEC,Tirupathi,Andra Pradesh, 2nd to 6th August 2021.
- Participated in Three days online FDP on “IPR- Patents & Design Filing Process ” Organized by Department of E&E Engg.,SVEC,Tirupathi, AndraPradesh,from 7th to 9th December 2021.
- Participated in Three days online FDP on “Recent trends in Electric vehicle Technologies”

” Organized by Silicon Institute of Technology, Bhubaneswar from 15th to 17th March 2022.

- Participated in one day seminar on “Best Practices for new Educational policy [NEP]-2020 Organized by BIET,Davangere ,21st February 2023
- Participated in Two day Workshop on “Interface of IPR in academics & Entrepreneurship “Organized by BIET,Davangere ,2nd and 3rd March 2023.
- Participated in Two day Workshop on “Interface of IPR in academics & Entrepreneurship “Organized by BIET,Davangere ,2nd and 3rd March 2023.
- Participated in Five Days National Level faculty development program on “Emerging Trends in Signal Processing, Image Processing and Artificial Intelligence “Organized by SJMIT, Chitradurga, 12th to 16th September 2023
- Participated in Seven Days faculty development program on “Recent Trends in Renewable Energy Systems“Organized by JSPMs Rajarshi Shahu College of Engineering ,Pune,3rd and 9th October 2023
- Participated in Five Days National Level faculty development program on “Master Class on Solar PV system Design”SkillDzire, 18th and 22nd October 2023
- Participated in Two day training programme on “Bureau of Indian Standards”, 13th and 14th February 2024 at Goa
- Completed 12 Weeks faculty development program online –NPTEL on “Smart Grid:Basics of advanced Technologies”, Jan- April ,2024.

Roles and Responsibilities:

- Worked as a Department Website coordinator.
- Worked as a Department Timetable In charge.
- Worked as internal Deputy Chief for VTU Examinations.
- Worked as Flying Squad Chairman for VTU Examinations.
- Worked as External Deputy Chief for VTU Examinations.
- Worked as a Department ERP coordinator.
- Working as Department Training and Placement Co-coordinator.
- Working as a supervisor for Campus Auditorium.
- Working as a Campus Electrical maintenance engineer for College Campus.
- Working Green Club Committee member at the institute Level.
- Working as Department Electrical Forum Staff Convener.
- Working as BIS Club Member at Institute Level
- Worked as Third Party inspection officer for PVC Pumps Pvt Ltd

Project Guided:

For B.E.: 18 batches

SUBJECTS TAUGHT

For B.E.

Basic Electrical Engineering. Network Analysis, Electrical & Electronic Measurements.Microcontroller,Analog Electronic Circuits, Logic Design, Electronic Instrumentation, Object Oriented Programming with C++,Data Communication & Networks, Electromagnetic Magnetic Field Theory.

Residential Address:

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