CURRICULAM VITAE

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9. **Institutional Profile:** https://qiscet.edu.in/qiscet/DEPARTMENTS_eee_hod.php

***Grants/Funds received from* external funding Agencies+ Profile Highlights**

Category	Details
Research Grants & Projects	**2016-SERB-Dept. of Science & Technology (Principal Investigator): ₹24,15,600** https://drive.google.com/file/d/1bQt6wvawv9pSiwKd_SiMkOEKxvupcojh/view?usp=sharing
	2017-MODROBS-AICTE (PI): ₹15,29,000 https://drive.google.com/file/d/1x-6nPAp3GMyKcgq5shwZgvz0oocADCtr/view?usp=sharing
	2018-Research Promotional Scheme -AICTE (PI): ₹12,80,392 https://drive.google.com/file/d/15wpsJlYEEQT5V1__VrRljKqrFok6hON3/view?usp=sharing
	2019-FIST Level O- Dept. of Science & technology ST (PI): ₹40,00,000 https://drive.google.com/file/d/1bLAfUuA1oPCmwT8IDT3MWN7VtQWPRAXD/view?usp=sharing
	2020-IDEA LABS-AICTE (PI): ₹1,02,00,000 https://drive.google.com/file/d/1C1kqB5cG1sp80og_rPXoPlxR39P44ivt/view?usp=sharing
	2025-Matching Grant- Taylor University, Malaysia (PI): - ₹12,00000/- https://drive.google.com/file/d/1KyQv54nzOn755e_dSnQgd0h7geYpXTDk/view?usp=sharing
Research Guidance	Supervised 5 Ph.D. students from reputed universities
Awards & Recognitions	Indira Priyadarshini National Award
	Bharath Educational Excellence Award
Patent Grants	3 patents granted, 4 published
Publications	Textbook Published: 1
	Book Chapters: 2 (SCOPUS Indexed)
	International Journals: 10 (SCI/SCOPUS), 74 (Peer-Reviewed)
	Conferences: 9 (SCI/SCOPUS), 13 (Peer-Reviewed)
Workshops & Profe. Activities	Conducted 22 Workshops/STTP/FDP programs
Coordinator for Events	Coordinated 39 academic events under AICTE IDEA LAB

EDUCATIONAL QUALIFICATIONS

PhD in Power Electronics and Drives

Jawaharlal Nehru Technological University, Hyderabad, India 🖊

2015

- **Thesis**: "Online Estimation for Performance Improvement of Indirect Vector-Controlled Induction Motor Drive"
- **Technologies Used**: FPGA-based SPARTAN 3A controller for estimating temperature-dependent parameters
- **Final Aggregate**: 66%

Master of Technology (M.Tech) in Power Electronics

Jawaharlal Nehru Technological University, Hyderabad, India 🖊

2007

- **Final Aggregate**: 70%

Bachelor of Technology (B.Tech) in Electrical and Electronics Engineering

Jawaharlal Nehru Technological University, Hyderabad, India 📍
2004

- **Final Aggregate**: 60.2%

Intermediate Certificate (Mathematics, Physics, Chemistry)

SSVJC, Nandyal, A.P., India 📍
2000

- **Board**: Board of Intermediate Education, Andhra Pradesh
- **Final Aggregate**: 79.6%

Secondary School Certificate (SSC)

ZPP High School, Gopavaram, Nandyal Dist., A.P., India 📍
1998

- **Subjects**: English, Telugu, Hindi, Social Studies, Mathematics
- **Final Aggregate**: 68%

EXPERIENCE DETAILS (19 Years)

1. KSRM College of Engineering, Kadapa, A.P., India

- **Role**: Regular Assistant Professor
- **Dates of Experience**: June 26, 2005, to December 19, 2015
- **Pay Scale**: ₹15,600 – ₹39,100
- **AGP**: ₹6,000
- **Basic Pay & Gross Pay**: ₹49,500

2. QIS College of Engineering and Technology, A.P, India

- **Role**: Professor and Head of Department
- **Dates of Experience**: Since December 21, 2015
- **Pay Scale**: ₹37,400 – ₹67,000
- **AGP**: ₹10,000
- **Basic Pay & Gross Pay**: ₹1,41,541

ADMINISTRATIVE SKILLS

1. As a **Head of Department** I am responsible for academic leadership, curriculum development, faculty management, and resource allocation. Led research initiatives, secured funding, and fostered industry collaborations. Oversaw student guidance, co-curricular activities, and international partnerships. Managed department budgets, staff development, and ensured compliance with accreditation standards. Strengthened alumni relations and promoted innovation through research and patents.
2. Worked as **Director Student Development Centre** at QIS QIS College of Engineering and Technology, Ongole since May 2018.

GOVT. FUNDED RESEARCH PROJECTS

1. **Principal Investigator**: Early Career Research Award (ECRA), DST Government of India (SERB)
   - **Project**: "Experimental Investigation of Temperature Dependent Parameters in Indirect Vector Control of Induction Motor and Estimation Using FPGA"
   - **Funding**: ₹24,15,600
   - **Period**: October 2016 to October 2019
   - **File No.**: ECR/2016/000843

2 **Principal Investigator**: AICTE Research Promotion Scheme (RPS)
   - **Project**: "Experimental Investigation of Problems in Single-Phase Grid Connected Photovoltaic Systems Using Multilevel Inverters and Mitigation Using DSPACE Controller"
   - **Funding**: ₹12,80,392
   - **Period**: December 2019 to December 2023

- **File No.**: 8-219 / RIFD/RPS (Policy-1) / 2018/19

3 Coordinator: AICTE IDEA Lab Initiative
- **Funding**: ₹1,02,28,000
- **Period**: October 2020 to October 2024
- **File No.**: AICTE/IDC/IDEA20200 0096/2021

4 Principal Investigator: DST Funding for Improvement of Science and Technology Program-2018
- **Funding**: ₹40,00,000
- **Period**: April 2019 to April 2023
- **File No.**: DST File No. SR/FST/College/410/2018

5 **Principal Investigator**: AICTE MODROB Project
- **Project**: Development of an "Advanced Transmission and Distribution Laboratory"
- **Funding**: ₹15,29,000
- **Period**: 2019 to 2020
- **File No.**: 9-117/RFID/MODROBS

RESEARCH GUIDANCE

1. **Acting as supervisor for A Arun kumar**, Phd Student from JNTUK, kadinada, Andhra Pradesh, Admin No. 1509. Title of research works "FPGA based Power Quality Improvement in Micro Grid Using Modular Multilevel Unified Power Flow Controller (UPFC)"
2. **Acting as supervisor for J V Ramesh**, PhD Student from JNTUK, kadinada, Andhra Pradesh, Admin No. 1470. Title of research work "FPGA based Doubly-fed Induction Generator (DFIG) Power Generation system for variable speed application using Direct Power control (DPC) technique"
3. **Acting as supervisor for Yedu Kondalu,** Phd Student from JNTUK, kadinada, Andhra Pradesh, Admin No. 1494. Title of research work "Design the robust PID Controller for speed regulation of Switched Reluctance motor"
4. **Acting as supervisor for Rajesh,** Phd Student from JNTUK, kadinada, Andhra Pradesh, Admin No. 21022P0215. Title of research work "Implementation of Hybrid zeta boost converter for high voltage gain in renewable energy sources"

INDIAN NATIONAL AWARD

1. **Indira Priyadarshini National Award**
   Received in 2018 from the International Health Care Foundation in Hyderabad for distinguished achievements in academic excellence and community service.
2. **Bharat Educational Excellence Jyeshta Acharya Award**
   Received in 2024 for outstanding contributions to research and teaching in Electrical and Electronics Engineering. This prestigious award, conferred by the All-India Council for Technical Education (AICTE) and Andhra University, was organized by Brainovision in collaboration with the Ministry of Education and AICTE.

SCOPUS / SCI INDEXED JOURNALS (Area wise)

Power Electronics and Energy Systems

1. **Balapanur, M. C., & Kondaveeti, S. L. T.** (2019). Performance analysis improved hybrid DSTATCOM topology loads and compensate reactive power. *JARDCS Journal*, 11(6), 130-135. ISSN 1943-023X. https://www.jardcs.org/archivesview.php?volume=1&issue=15
2. **Balapanur, M. C., & Nuthalapati, S. K.** (2019). Energy storage system in grid connected inverter for a battery with bidirectional single stage. *JARDCS Journal*, 11(6), 123-127. ISSN 1943-023X. https://www.jardcs.org/archivesview.php?volume=1&issue=15
3. **R, P., Shajin, F. H., Balapanur, M. C., & Kommula, B. N.** (2021). Diminishing energy consumption cost and optimal energy management of photovoltaic aided electric vehicle (PV-EV) by GFO-VITG approach. *Energy Sources Part A*, 41(11), 1-18. https://doi.org/10.1080/15567036.2021.1986606

4. **Kumar, R. S., Reddy, C. S. R., & Chandra, B. M.** (2023). Optimal performance assessment of intelligent controllers used in solar-powered electric vehicle. *Electrical Engineering & Electromechanics*, (2), 20-26. https://doi.org/10.20998/2074-272X.2023.2.04

5. **Reddy, C. S., Narukullapati, B. K., Rao, M. U. M., Ravindra, S., Venkatesh, P. M., Kumar, T. C. A., Berhanu, A. A., & Chandra, B. M.** (2022). Non-isolated DC to DC converters for high-voltage gain applications using the MPPT approach. *Mathematical Problems in Engineering*, 2022, Article ID 9227651. https://doi.org/10.1155/2022/9227651

6. **Reddy, C. S., Prasanth, B. V., & Chandra, B. M.** (2023). Active power management of grid-connected PV-PEV using a hybrid GRFO-ITSA technique. *Science and Technology for Energy Transition*, 78. https://doi.org/10/2516/stet/2023001

Energy Management and Optimization

7. **Venkata Prasanth, B., Chandra, B. M., Reddy, C. S., & Krishna, T. M.** (2023). Optimal integration of long- and short-term operational planning decisions to design and manage electronic vehicle charge stations by CQOCRO technique. *Energy and Environment*, 1-27. Sage Publishers. https://doi.org/10.1177/0958305X231190352

8. **Suresh, O. P., Chandra, B. M., Reddy, C. S., & Prasanth, B. V.** (2024). Economic analysis of grid-tied hybrid solar wind system with electric vehicle CS using COA-QNN approach. *Journal of Energy Storage*, 100(A), 113448. https://doi.org/10.1016/j.est.2024.113448

9. **Reddy, C. S., Prasanth, B. V., Suresh, O. P., & Chandra, B. M.** (2024). A hybrid YDSE - THDCNN approach based multi-objective optimization of energy management for renewable energy sources with electric vehicles. *Journal of Energy Storage*, 100(A), 113402. https://doi.org/10.1016/j.est.2024.113402

Smart Grids and Renewable Energy Integration

10. **Kumar, N. B., Rao, M. U. M., Veeranjaneyulu, J., Chandra, B. M., & Venkatesh, P. M**. (2024). An optimized superconducting magnetic energy storage for grid-connected systems. *Journal of New Materials for Electrochemical Systems*, 27(1), 52-59. https://doi.org/10.14447/jnmes.v27i1.a08

SCOPUS / SCI INDEXED INTERNNATIONAL CONFERENCES (Area wise)

Energy Systems and Power Electronics

1. **Kumar, P. B., & Chandra, B. M.** (2024). Fuzzy logic controller-based non-isolated single-phase half-bridge unified power quality conditioner for ripple elimination. In *Proceedings of the IEEE 3rd International Conference on Electrical Power Engineering, Communication and Computing Technology (ODICON-2024)* (pp. 1-6). SOA Bhubaneswar, Odisha, India, 979-8-3503-5437-9/24/$31.00. https://doi.org/10.1109/ODICON62106.2024.10797524

2. **Prakash, A., Srikanth, T., Chandra, B. M., & Krishnakumar, R.** (2022). Search and rescue optimization to solve economic emission dispatch. In *Proceedings of the First International Conference on Electrical, Electronics, Information and Communication Technologies (ICEEICT)* (pp. 1-6). https://doi.org/10.1109/ICEEICT53079.2022.9768510

3. **Prakash, A., Anandh, R., & Chandra, B. M.** (2019). Forward search approach using power search algorithm (FSA-PSA) to solve dynamic economic load dispatch problems. In *Proceedings of the 5th International Conference on Advanced Computing and Communication Systems (ICACCS)* (pp. 1-6). https://doi.org/10.1109/ICACCS.2019.8728541

Smart Grids and IoT

4. **Deepika, M., Kavitha, M., Chakravarthy, N. S. K., Srinivas Rao, J., Mohan Reddy, D., & Chandra, B. M.** (2021). A critical study on campus energy monitoring system and role of IoT. *Proceedings of the IEEE Conference*, 978-1-7281-5681-1/21/$31.00. https://doi.org/10.1109/SeFet48154.2021.9375715

5. **Prakash, A., Srikanth, T., Chandra, B. M., & Krishnakumar, R.** (2022). Search and rescue optimization to solve economic emission dispatch. In *Proceedings of the First International Conference on Electrical, Electronics, Information and Communication Technologies (ICEEICT)* (pp. 1-6). https://doi.org/10.1109/ICEEICT53079.2022.9768510

6. **B. M. Chandra, P. Thenmozhi, S. Padma, Y. Shailaja, I. G and E. M. Kumaran**, "LTECP: Experimental Analysis of Medicinal Plant Recognition System Based on Learning Assisted Texture Evaluation and Classification Principle," *2024 International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES),* Chennai, India, 2024, pp. 1-6, https://doi.org/10.1109/ICSES63760.2024.10910839

Induction Motor Drives

7. **Chandra, B. M., Venkata Prasanth, B., & Manindher, K. G.** (2018). A review on parameter estimation techniques in decoupling control of induction motor drive. In *Proceedings of the 4th International Conference on Electrical Energy Systems (ICEES)* (pp. 1-6). IEEE, March 7-9, 2018. https://doi.org/10.1109/ICEES.2018.8443209

8. **Chandra, B. M., & Tara Kalyani, S. (2012).** Online estimation of stator resistance in vector control of induction motor drive. In *Proceedings of the IEEE 5th Power India Conference* (pp. 1-6). DRUST, Murthal-Haryana, Dec 19-22, 2012. https://doi.org/10.1109/PowerI.2012.6479478

9. **Chandra, B. M., & Tara Kalyani, S.** (2012). Online identification and adaptation of rotor resistance in feed forward vector controlled induction motor drive. In *Proceedings of the IEEE International Conference on Power Electronics* (IICEPE-2012, pp. 1-6). DTU-Delhi, Dec 6-8, 2012. https://doi.org/10.1109/IICPE.2012.6450372

INTERNATIONAL JOURNAL PUBLICATIONS PEER REVIEWED (Area wise)

1. **Chandra, B. M., & Kalyani, S. T.** (2011). Simulating electric drive system with frequency control using Matlab/Simulink. *AIRC Journal*, 1(2), 1-9. ISSN: 2248-9665

2. **Chandra, B. M., & Kalyani, S. T.** (2012). Modeling and simulation of rotor flux observer based indirect vector control of induction motor drive using fuzzy logic controller. *IJEEE Journal*, 2(2, 3, 4), 1-6. ISSN: 2231-5284.https://www.interscience.in/ijeee/view.php?rowcode=RzY2YnRvUXgwRHAwTE9xU2pwQjFzZz09

3. **Chandra, B. M., & Kalyani, S. T.** (2012). Online rotor time constant tuning in indirect vector control of induction motor drive. *IREA Italy Journal*, 1(1), 11-16. ISSN: 2281-288.https://www.praiseworthyprize.org/jsm/index.php?journal=irea&page=article&op=view&path%5B%5D=9943

4. **Tabassum, S., & Chandra, B. M.** (2012). Power quality improvement by UPQC using ANN controller. *IJERA Journal*, 2(4), 2019-2024. ISSN: 2248-9622. https://citeseerx.ist.psu.edu/document?repid=rep1&type=pdf&doi=9535c1b90a7e041eedb7c5a3738b4f06edfd69f5

5. **Chandra, B. M., & Kalyani, S. T.** (2013). Effect of rotor resistance and compensation in indirect vector control using artificial neural networks (ANNs). *IAEME, IJEEE Journal*, 4(4), 255-263. ISSN: 0976-6553.https://iaeme.com/MasterAdmin/Journal_uploads/IJEET/VOLUME_4_ISSUE_4/40220130404026.pdf

6. **Chandra, B. M., & Kalyani, S. T.** (2013). FPGA controlled stator resistance estimation in IVC using FLC. *GJRE, USA Journal*, 13(13), 9-13. ISSN: 2249-4596. https://globaljournals.org/GJRE_Volume13/2-FPGA-Controlled-Stator.pdf

7. **Deepthi Bai, R. M., & Chandra, B. M.** (2013). Speed sensorless control scheme of induction motor against rotor resistance variation. *IJSETR Journal*, 2(17), 1892-1897. ISSN: 2319-8885. https://ijsetr.com/uploads/526341IJSETR341-01.pdf

8. **Soumya, M., & Chandra, B. M.** (2014). Implementation of induction machine for indirect field oriented rotor resistance adaptation based on the MRAS scheme. *IJSETR Journal*, 3(01), 39-44. ISSN: 2319-8885. https://ijsetr.com/uploads/564231IJSETR560-07.pdf

9. **Kondaiah, Y. V., & Chandra, B. M.** (2014). Minimization of low frequency oscillations in the power system using PSS and UPFC. *IJEEE Journal*, 7(2), 133-142. ISSN: 0974-2174. http://www.irphouse.com/ijeee/ijeeev7n2_06.pdf

10. **Ramasubbamma, D., & Chandra, B. M**. (2014). An advanced neural scheme based deregulated electricity market price forecasting using recurrent ANN. *IJRECE Journal*, 2(6), 663-668. ISSN: 2321-5593.

11. **Balaji, K., Madhusudhan, V., & Chandra, B. M**. (2015). A new power factor correction method using an inverter fed interior permanent magnet (IPM) motor. *IJMETMR Journal*, 2(2), 468-473. ISSN: 2348-4845. http://www.ijmetmr.com/oldecember2015/KBalaji-VMadhusudhan-BMouliChandra-83.pdf

12. **Vijayalakshmi, R., Naga Mahesh, G., & Chandra, B. M**. (2015). Seven level shunt active power filter for induction motor drive system. *IJR Journal*, 2(12), 578-583. ISSN: 2348-6848. https://journals.pen2print.org/index.php/ijr/article/view/3526/3385

13. **Vishnu Vandana, Y., & Chandra, B. M**. (2015). Single phase seven level grid connected inverter for photovoltaic system. *IJPRES Journal*, 6(1), 129-137. ISSN: 2374-3751.

14. **Venkatagireesh, B., Reddy Prasanna, M., & Chandra, B. M.** (2015). A new cascaded multilevel inverter and segmented energy storage fed PMSM drive with autonomous power regenerative control. *IJMETMR Journal*, 2(12), 474-477. ISSN: 2249-6645. http://www.ijmetmr.com/oldecember2015/BVenkatagireesh-MReddyPrasanna-BMouliChandra-84.pdf

15. **Aiswarya, K., Reddy Prasanna, M., & Chandra, B. M.** (2015). A novel hybrid converter based motor drive system with improved quality and dynamic response. *IJMETMR Journal*, 2(12), 463-467. ISSN: 2249-6645. http://www.ijmetmr.com/oldecember2015/KAiswarya-MReddyPrasanna-BMouliChandra-82.pdf

16. **Rama Chandra Reddy, V., Madhusudhan, V., & Chandra, B. M**. (2015). Reduction in commutation torque ripple in sensorless BLDC motor fed by PV cells using fuzzy logic controller. *IJR Journal*, 2(2), 605-611. ISSN: 2348-6848. https://journals.pen2print.org/index.php/ijr/article/download/3530/3389

17. **Pinnam Swetha, & Chandra, B. M.** (2015). Design and implementation of 11-level inverter with FACTS capability for distributed energy systems. *IJMETMR Journal*, 2(11), 1158-1164. ISSN: 2249-6645. http://www.ijmetmr.com/olnovember2015/PinnamSwetha-BMouliChandra-A-21.pdf

18. **Naveen Kumar, K., & Chandra, B. M.** (2016). Performance evaluation of HVDC transmission system with the combination of VSC and H-Bridge cells. *IJIRAE Journal*, 3(3), 1-8. ISSN: 2349-2763. https://www.ijirae.com/volume-3-issue-2

19. **Nemalikanti Suvarna Raju, & Chandra, B. M.** (2017). Enhancement of power quality improvement with multilevel inverter based IPQC for microgrid. *IJSETR Journal*, 6(17), 3239-3247. ISSN: 2319-8885. https://ijsetr.com/uploads/325164IJSETR14497-594.pdf

20. **Chenchaiah, M., & Chandra, B. M.** (2017). A new switched capacitor inverter topology with boost facility. *International Journal of Advanced Information Science and Technology (IJAIST)*, 6(11), 157-162. ISSN: 2319-2682. https://jst.org.in/index.php/pub/article/view/148

21. **Manindher, K. G., Chandra, B. M., & Thummala, S.** (2017). An improved power factor of ZVS based quasi-resonant converter driven DC motor. *IJPAM Journal*, 117(15), 1071-1076. ISSN: 1311-8080. https://acadpubl.eu/jsi/2017-117-15/articles/15/87.pdf

22. **Manindher, K. G., Chandra, B. M., & Thummala, S**. (2018). An optimized PQ control in wind energy connected grid system using STATCOM. *IJPAM Journal*, 118(5), 1311-1318. ISSN: 1311-8080. https://acadpubl.eu/jsi/2018-118-5/articles/5/102.pdf

23. **Thummala, S., Chandra, B. M., & Manindher, K. G.** (2018). Thyristor power controlled fed domestic loads using microcontroller. *IJMERT Journal*, 5(2), 96-104. ISBN: 2348-8565. http://www.ijmert.org/Publications/IJMERT-Vol-5-Issue-3-0012.pdf

24. **Harish Sagar, N., & Chandra, B. M.** (2018). Control of modular multilevel converters under singular unbalanced voltage conditions with equal positive and negative sequence components. *IJR Journal*, 7(VI), 174-184. ISSN: 2236-6124. https://ijrpublisher.com/index.php/volume-7-issue-6-june-2018/

25. **Thummala, S., & Chandra, B. M.** (2018). A neuro fuzzy controller for load compensation of diesel generator in isolated generation system employing DSTATCOM. *IJTIR Journal*, 5(10), 23-29. ISSN: 2349-5162. https://www.scribd.com/document/808044470/A-Neuro-Fuzzy-Controller-for-Load

26. **Chandra, B. M., Leela Vasavi, N., Naga Abhishek, M., Venkateswara Reddy, N., Pavan Teja, K., & Vamsi, G.** (2019). Design and development of Bluetooth controlled robot using solar power. *Turkish Journal of Computer and Mathematics Education*, 10(2), 847-854. e-ISSN: 1309-4653. https://turcomat.org/index.php/turkbilmat/article/view/13350

27. **Chandra, B. M., Sravani, B., Moulika, C., Sai Komali, D., Gayathri, P. V., & Prudhvi, M.** (2019). Advanced health monitoring system development and implementation for real-time applications. *Turkish Journal of Computer and Mathematics Education*, 10(2), 841-846. e-ISSN: 1309-4653. https://turcomat.org/index.php/turkbilmat/article/view/13349

28. **Chandra, B. M., Ajitha, C., Pavan Kumar, O., Abhishek, B., Sivamani, T. V., & Mamatha, C.** (2019). Implementation of an automatic LPG gas detection and alert system. *Turkish Journal of Computer and Mathematics Education*, 10(2), 855-860. e-ISSN: 1309-4653. https://turcomat.org/index.php/turkbilmat/article/view/13351

29. **Chandra, B. M., Venkata Prasanth, B., Srinivasa Rao, G., & Linga Rao, B.** (2019). SEPIC-based harmonic distortion reduction in BLDC motors. *Turkish Journal of Computer and Mathematics Education*, 10(2), 861-867. e-ISSN: 1309-4653. https://turcomat.org/index.php/turkbilmat/article/view/13352

30. **Chaitanya, T., Chandra, B. M., Venkata Prasanth, B., Ramana, B., & Veeranjaneyulu, M.** (2019). A unique energy solution for sun arranged PV-driven SRM. *Turkish Journal of Computer and Mathematics Education*, 10(2), 868-874. e-ISSN: 1309-4653. https://turcomat.org/index.php/turkbilmat/article/view/13353

31. **Chandra, B. M., Venkata Prasanth, B., Kalyan Krishnan, K., Srinivasa Rao, S., Ramesh, K. V., & Babu.** (2019). Analysis of optimal power flow using hybrid fruit fly algorithm. *Turkish Journal of Computer and Mathematics Education*, 10(2), 899-904. e-ISSN: 1309-4653. https://turcomat.org/index.php/turkbilmat/article/download/13356/9546/23816

32. **Chandra, B. M., Venkata Prasanth, B., Lakshmi Prasanna, K., & Srinivas, T.** (2019). Mitigation of unbalanced voltages for islanded micro-grids by using five level diode clamped multilevel inverter. *Turkish Journal of Computer and Mathematics Education*, 10(2), 889-898. e-ISSN: 1309-4653. https://www.turcomat.org/index.php/turkbilmat/article/download/13355/9545/23814

33. **Venkata Prasanth, B., Chandra, B. M., Mallikarjuna, C., Sireesha, K. K., & Venkateswarlu, N.** (2019). Analysis of practical constraints using hybrid cuckoo search algorithm. *Turkish Journal of Computer and Mathematics Education*, 10(2), 905-911. e-ISSN: 1309-4653. https://turcomat.org/index.php/turkbilmat/article/view/13357

34. **Sunitha, T., Rama Devi, B., Swathi, A., Ashok, D., & Chandra, B. M.** (2020). System for women security using IoT. *Mathematical Statistician and Engineering Applications*, 69(1), 279-290. ISSN: 2094-0343, 2326-9865. https://www.philstat.org/index.php/MSEA/article/view/1591

35. **Chandra, B. M., Naga Mani, D., Vaneesha, V., Immanuel, J., & Navya Sree, R.** (2020). Utilizing IoT - A women's wearable safety device. *Mathematical Statistician and Engineering Applications*, 69(1), 380-385. ISSN: 2094-0343, 2326-9865. https://www.philstat.org/index.php/MSEA/article/download/1691/1204/2946

36. **Anitha, C., & Chandra, B. M.** (2021). A single-phase grid-connected photovoltaic inverter based on a three-switch three-port flyback with series power decoupling circuit. *JRMAT Journal*, 12(1), 271-275. ISSN: 0745-6999.

37. **Chandra, B. M., Sharuk, S., Pavan Kumar, Y., Seshamma, N., Rizwana, S., & Prasanth Kumar, K.** (2021). Modelling & performance analysis of push-pull resonant DC link converter under distinct loading conditions. *JOIACS Journal*, 11(2), 282-288. ISSN: 1548-7741.

38. **Chandra, B. M., Srilakshmi, P., Narmada, A., Sowjanya, G., Praneeth Kumar, M., & R V N S Saran, S.** (2021). Temperature based fan speed control and monitoring with Arduino. *IJAEMA Journal*, XIII(7), 1338-1344. ISSN: 0886-9367. DOI:18.0002.IJAEMA.2021.V13I7.200001.015685903148

39. **Khannan, A. S., Thummala, S., & Chandra, B. M.** (2021). Power quality improvement of utility grid tied DC/AC micro grid with DGR and converters using metaheuristic algorithms: A review. *IJERA Journal*, 11(2), (Series-I), 45-52. ISSN: 2248-9622. https://www.ijera.com/papers/vol11no2/Series-1/G1102014552.pdf

40. **Chandra, B. M., Desam, S., Ambati, R., Saraswathi, Y., Cheethirala, M., Kancherla, M. R., & Kandukuri, B.** (2021). Automatic irrigation system by sensing soil moisture in agricultural fields. *IJAEMA Journal*, XIII(6), 2818-2823. ISSN: 0886-9367. DOI:18.0002.IJAEMA.2021.V13I6.200001.015685902986

41. **Chandra, B. M., Manikanta, A., Ravi Teja, K., Venu, T., Rajasekhara Reddy, U., Vasanth Reddy, C., & Sandeep Reddy, D.** (2021). IoT based smart fan regulator. *IJAEMA Journal*, XIII(7), 1748-1755. ISSN: 0886-9367. DOI:18.0002.IJAEMA.2021.V13I7.200001.015685903197

42. **Sharuk, S., Pavan Kumar, Y., Seshamma, N., Rizwana, S., & Chandra, B. M.** (2021). Multiple NODE MCU integrated with a couple of sensors. *Levant Journal*, 20(7), 11-17. ISSN: 1756-3801.

43. **Kannan, A. S., Thummala, S., & Chandra, B. M.** (2021). Cost optimization of micro-grid of renewable energy resources connected with and without utility grid. *Turkish Journal of Computer and Mathematics Education*, 12(4), 282-291. https://turcomat.org/index.php/turkbilmat/article/view/506

44. **Prakash, A., Chandra, B. M., & Srikanth, T.** (2021). An efficient navigation system for the visually impaired. *International Journal of Computational Intelligence in Control*, 13(1), 273-282. ISSN: 0974-8571. https://www.mukpublications.com/ijcic-v13-1-2021.php

45. **Venkata Prasanth, B., Chandra, B. M., & Raja Sathish Kumar.** (2021). Voltage control of an AVR with tuned PID controller with ANT colony optimization. *International Journal of Computational Intelligence in Control*, 13(1), 283-297. ISSN: 0974-8571. https://www.mukpublications.com/ijcic-v13-1-2021.php

46. **Chandra, B. M., Venkata Prasanth, B., Veeranjaneyulu, K., & Rajini, K.** (2021). A fuel cell based SFCL for improving electric power system security and reducing fault currents. *International Journal of Computational Intelligence in Control*, 13(2), 775-781. ISSN: 0974-8571. https://www.mukpublications.com/ijcic-v13-2-2021.php

47. **Venkateswarlu, L., Chandra, B. M., Kiran Kumar, C., & Murthy, T. S.** (2021). Advanced topology for nonlinear loads and compensation of reactive power. *International Journal of Computational Intelligence in Control*, 13(2), 753-763. ISSN: 0974-8571. https://www.mukpublications.com/ijcic-v13-2-2021.php

48. **Venkata Prasanth, B., Chandra, B. M., Kalyan Krishnan, K., & Mallikarjuna, C.** (2021). TLBO algorithm for non-convex economic load dispatch considering losses. *International Journal of Computational Intelligence in Control*, 13(2), 745-752. ISSN: 0974-8571.

49. **Chandra, B. M., Venkata Prasanth, B., Rajaselvan, C., & Manjunath, T. C.** (2021). Switched capacitor inverter topology for photovoltaic applications. *International Journal of Computational Intelligence in Control*, 13(2), 737-744. ISSN: 0974-8571. https://www.mukpublications.com/ijcic-v13-2-2021.php

50. **Chandra, B. M., Venkata Prasanth, B., Kotewsara Rao, D. V., & Anusha, A.** (2021). Study of performance of dual stator induction motor. *International Journal of Computational Intelligence in Control*, 13(2), 729-736. ISSN: 0974-8571. https://www.mukpublications.com/ijcic-v13-2-2021.php

51. **Venkata Prasanth, B., Chandra, B. M., & Kumaraswamy, I.** (2021). Rectifier load analysis for electric vehicle wireless charging system. *International Journal of Computational Intelligence in Control*, 13(2), 721-727. ISSN: 0974-8571. https://www.mukpublications.com/ijcic-v13-2-2021.php

52. **Venkata Prasanth, B., Chandra, B. M., Lakshmi Prasanna, K., & Aneesh, N.** (2021). Fuzzy controlled multilevel inverter based MPPT controllable PV for grid connected applications. *International Journal of Computational Intelligence in Control*, 13(2), 713-720. ISSN: 0974-8571.

53. **Chandra, B. M., Narasimha Rao, N., Sainadh Singh, K., & Venkata Prasanth, B.** (2021). An innovative fast energy based fuzzy logic DC link voltage controller for three-phase DSTATCOM to correct AC loads. *International Journal of Computational Intelligence in Control*, 13(2), 703-712. ISSN: 0974-8571. https://www.mukpublications.com/ijcic-v13-2-2021.php

54. **Heena, S., Jayasri, T., Amulya, U., Asif, S., & Chandra, B. M.** (2021). Extortion recognition in web-based item audit frameworks by means of heterogeneous graph transformer. *Mathematical Statistician and Engineering Applications*, 70(2), 433-439. ISSN: 2094-0343, 2326-9865. https://www.philstat.org/index.php/MSEA/article/view/1708

55. **Chandra, B. M., Mounika, P., Rani, V., Sushma, P., & Sneha Latha, G.** (2022). Embedded solar tracking system using Arduino. *South Asian Journal of Engineering and Technology*, 12(2), 1-10. https://sajet.in/index.php/journal/article/view/198

56. **Chandra, B. M., Ajitha, C., Pavan Kumar, O., Abhishek, B., Venkata Siva Mani, T., & Mamatha, C.** (2022). Foot step power generation using piezoelectric sensors. *South Asian Journal of Engineering and Technology*, 12(2), 11-20. https://sajet.in/index.php/journal/article/view/208

57. **Chandra, B. M., Sravani, B., Moulika, C., & Sai Sri Komali, D.** (2022). Touchless doorbell for post-COVID. *South Asian Journal of Engineering and Technology*, 12(2), 21-30. https://sajet.in/index.php/journal/article/view/209

58. **Gopisetty, S., & Chandra, B. M.** (2022). Installation of a charging station for electric vehicles using solar photovoltaics, batteries, and diesel generators. *Industrial Engineering Journal*, 15(12), 470-477. ISSN: 0970-2555.

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60. **Chandra, B. M., Kishore Kumar, T., Pavan Kumar, T., & Narasimha Rao, N.** (2022). Residential distribution system harmonic mitigation using PV interfacing inverter. *Mathematical Statistician and Engineering Applications*, 71(4), 9917–9929. ISSN: 2094-0343, 2326-9865. https://www.philstat.org/index.php/MSEA/article/download/1809/1310/3170

61. **Chandra, B. M., Venkata Prasanth, B., & Subbarami Reddy, C.** (2022). Individual pitch control of variable speed wind turbines using DFIG and fuzzy logic controllers to reduce flicker. *Mathematical Statistician and Engineering Applications*, 71(4), 9930–9943. ISSN: 2094-0343, 2326-9865. https://www.philstat.org/index.php/MSEA/article/view/1810

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64. **Chandra, B. M., Krishna Kishore, J., Srinivasa Rao, J., & Mallikarjuna, C.** (2022). Voltage and frequency control of isolated hybrid power systems. *Mathematical Statistician and Engineering Applications*, 71(4), 9967-9976. ISSN: 2094-0343, 2326-9865. https://www.philstat.org/index.php/MSEA/article/download/1813/1314/3178

65. **Chandra, B. M., Venkata Prasanth, B., Sathish Kumar, R., & Lakshmi Prasanna, M.** (2022). A new method for reducing voltage sag using interline dynamic voltage restorer. *Mathematical Statistician and Engineering Applications*, 71(4), 9977-9986. ISSN: 2094-0343, 2326-9865. https://www.philstat.org/index.php/MSEA/article/view/1814

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68. **Chandra, B. M., Venkata Prasanth, B., Tara Kalyani, S., & Venkateswarlu, L.** (2022). Application of battery energy storage DVR for voltage sag/swell mitigation in induction motor drive applications. *Mathematical Statistician and Engineering Applications*, 71(4), 10008-10020. ISSN: 2094-0343, 2326-9865. https://www.philstat.org/index.php/MSEA/article/view/1817

69. **Venkata Prasanth, B., Chandra, B. M., Tara Kalyani, S., & Prakash, A.** (2022). Autonomous harmonic compensation in a multi-bus micro-grid interfacing converters through fuzzy logic control. *Mathematical Statistician and Engineering Applications*, 71(4), 10021-10036. ISSN: 2094-0343, 2326-9865. https://www.philstat.org/index.php/MSEA/article/view/1818

70. **Chandra, B. M., Venkata Prasanth, B., Syed, A., & Prakash, Y.** (2022). Power control in a hybrid isolated power system with better power quality. *Mathematical Statistician and Engineering Applications*, 71(4), 10037-10046. ISSN: 2094-0343, 2326-9865. https://www.philstat.org/index.php/MSEA/article/view/1819

71. **Chandra, B. M., Venkata Prasanth, B., Syed, A., & Lakshmi Narayanan, T. P.** (2022). MVA-Km method and genetic algorithm for a comprehensive transmission cost allocation by AC power flow. *Mathematical Statistician and Engineering Applications*, 71(4), 10047-10057. ISSN: 2094-0343, 2326-9865. https://www.philstat.org/index.php/MSEA/article/view/1820

72. **Chandra, B. M., Venkata Prasanth, B., Lakshmi Narayana, P., & Nagaraju, N.** (2022). Hybrid differential algorithm of linear and non-linear systems for PID controller optimization. *Mathematical Statistician and Engineering Applications*, 71(4), 10105-10121. ISSN: 2094-0343, 2326-9865. https://www.philstat.org/index.php/MSEA/article/view/1825

73. **Praveen Kumar, V. V. S., Reddy, D. V., Lavanya, J., Kavya, K., Swetha, U., & Chandra, B. M.** (2023). Smart optimization of fault diagnosis in electrical grid using distributed software-defined IoT system. *Madhya Bharti*, 83(4), 90-96. ISSN: 0974-006.

74. **Chandra, B. M., & Bhargavi, K.** (2023). Primary frequency EV aggregation implementing grid regulation and charger controller for controlling the operations of an industrial micro-grid. *Journal of Industrial and Computational Research*, 15(8), 440-449. https://doi.org/10.0002/JICR.2023.V15I8.008301.3171237345229

BOOK CHAPTERS

1. **Syed, A., Sandipamu, T. K., Tan, F. T. K. S., Guo, X., Wang, H., & Chandra, B. M.** (2023). *Analysis of recent developments in three-phase transformerless inverter topologies for photovoltaic and electric vehicle applications*. CRC Press. https://doi.org/10.1201/9781003354901

2. **Syed, A., Sandipamu, T. K., Tan, F. T. K. S., Guo, X., Wang, H., & Chandra, B. M.** (2023). *Evaluation of single-phase rectifier bridge clamping circuit solar power transformerless inverter topologies for electric vehicle applications*. CRC Press. https://doi.org/10.1201/9781003354901

TEXT BOOKS AUTHORED

Chandra, B. M. (2021). *Measurement and instrumentation*. Xpress Publications. ISBN: 979-888606551-0 https://notionpress.com/in/read/measurement-and-instrumentation-theory-and-application/measurement-and-instrumentation-theory-and-application/

INDIAN PATENTS IN STATUS OF GRANTED

1. Unmanned fire suppression system for Indian railways with Application No. 201841036399A On IPR 13-06-2019 https://www.ipindia.gov.in/writereaddata/Portal/IPOJournal/1_4773_1/Part-1.pdf

2. An Automatic Railway Gate System with Application No. 202241026429 date of filing 06/05/2022, patent no. : 522329 https://iprsearch.ipindia.gov.in/PatentSearch/PatentSearch/ViewPDF

3. SPARTAN 6 A based online Fuzzy and ANN estimators for temperature dependent parameters in feed forward vector controlled asynchronous drive with application No. Application No. 201841036399A on IPR 5/10/2018 https://www.ipindia.gov.in/writereaddata/Portal/IPOJournal/1_2668_1/Part-1.pdf

INDIAN PATENTS PUBLISHED

1. Misalignment tolerable coil structure for biomedical implant device with wireless power transfer method with Application No. 202141000880 A on IPR 22-01-2021 https://ipindia.gov.in/writereaddata/Portal/IPOJournal/1_4945_1/Part-1.pdf

2. Smart gadget for women and children protection using IOT with Application No. 202141000877 A on IPR Dated 15-01-2021 https://ipindia.gov.in/writereaddata/Portal/IPOJournal/1_4943_1/Part-1.pdf

3. Reverse pumping based smart agricultural monitoring system internet of things approach with Application No. 202141009541 on IPR 08-03-2021 https://ipindia.gov.in/writereaddata/Portal/IPOJournal/1_4959_1/Part-1.pdf

4. Minimizing penality in industrial power consumption by engaging APFC unit with Application No. 202141009553 on IPR 08-03-2021 https://ipindia.gov.in/writereaddata/Portal/IPOJournal/1_4959_1/Part-1.pdf

INTERNATIONAL CONFERENCE PUBLICATIONS PEER REVIWED

Education skills
1. **Chandra, B. M.** (2018). Participated in the International Conference on "Transformations in Engineering Education-Imparting Futuristics Skills" ICTIEE-AP2018. SRM University, Amaravati, Andhra Pradesh. July 15-17, 2018.

Power Electronics and drives

1. **Basha, S. K., Manindher, K. G., & Chandra, B. M.** (2018). Novel control strategy for an independent electrically operated wheelchair using DC servo motor. In *Proceedings of the 2018 ICPECTS* (pp. 1-6). IEEE. March 27-29, 2018. https://www.proceedings.com/content/041/041609webtoc.pdf
2. **Chenchaiah, M., & Chandra, B. M.** (2017). A new switched capacitor inverter topology with boost facility. In *Proceedings of the 1st International Conference on Recent Trends in Engineering and Technology (ICRTET17)* (pp. 1-6). Samskruti College of Engineering and Technology, Hyderabad. July 28, 2017.

Conferences on Power Systems and Control

3. **Chandra, B. M., & Kalyani, S. T.** (2012). Fuzzy controller based feed forward vector controlled induction motor drive with rotor flux observer. In *Proceedings of IRNet ICEECS* (pp. 1-6). Goa. April 7, 2012.
4. **Chandra, B. M., & Kalyani, S. T.** (2011). PI controller for feed forward vector controlled induction motor drive. In *Proceedings of the ICEPE-2011* (pp. 1-6). PSG College of Technology, Coimbatore. November 24-25, 2011.

Review Papers

5. **Yedukondalu, R., Chandra, B. M., & Srinivasarao, R.** (2024). A review on rotor position estimation methods for performance improvement in SRM drives. In *Proceedings of the International Conference on Emerging Advances and Applications in Green Energy (ICEAAGE-2024)* (p. 113). Prasad V. Potluri Siddhartha Institute of Technology. ISBN: 978-93-6128-558-5. https://www.pvpsiddhartha.ac.in/dep_eee/ICEAAGE/ICEAAGE-2024_Proceedings.pdf
6. **Srikanth, T., Khannan, A. S., & Chandra, B. M.** (2022). Power quality enhancement with involvement of RES and power converters in microgrid using metaheuristic algorithms: A literature review. In *Proceedings of the International Conference on Recent Trends in Energy System Engineering* (pp. 1-6).
7. **Kalyan Chakravarthy N S, Mouli Chandra Balapanur, Arun Nambi Pandian, Jyothi Pulikanti, Prasad D, and Jafar Ali Ibrahim Syed Masood**. (2024). Optimizing Medical Imaging: High-Performance Hardware for Image Processing, Machine Learning. In Proceedings of the 2024 7th International Conference on Digital Medicine and Image Processing (DMIP '24). Association for Computing Machinery, New York, NY, USA, 112–116. https://doi.org/10.1145/3705927.3705947

NATIONAL CONFERENCES PUBLICATIONS

1. **Chandra, B. M., Keethi, G., Thanush, G., Nandhini, K., & Mounika, D.** (2020). Solar mini inverter. In 2nd National Conference on Modern Trends & Innovations in Electrical Engineering (NCMTIEE2k20) (ISBN 978-93-82829-95-9), QISCET, Ongole, February 11, 2020.
2. **Venkata Siddhardha, G., Kavitha, M., & Chandra, B. M**. (2020). Analysis of wireless power transfer system for mobile devices. In NCMTIEE2k20 (ISBN 978-93-82829-95-9), QISCET, Ongole, February 11, 2020.
3. **Kanaka Durga, K., Chandra, B. M., & Kishore Kumar, T**. (2016). Mitigation of harmonics in residential distribution system using PV interfacing inverter. In ITPCDA-2016, QISCET, Ongole, August 26-27, 2016.
4. **Balaji, J., Venkata Prasanth, B., & Chandra, B. M.** (2007). Active power filtering using neural point clamped AC. In NCPP-2007, GNIT Hyderabad, November 28-29, 2007.
5. **Chandra, B. M., & Venkata Prasanth, B.** (2007). On line stator and rotor estimation using artificial neural networks for induction motor drives. In NCPP-2007, GNIT Hyderabad, November 28-29, 2007.
6. **Venkata Prasanth, B., Balaji, J., & Chandra, B. M**. (2007). Economic load dispatch for a thermal power plant using fuzzy logic BIT. In BITCON-2007, BIT Durg, March 16-17, 2007.
7. **Chandra, B. M., Venkata Prasanth, B., & Subramanyan, B.** (2007). Fuzzy logic based TE generation control using MATLAB. In UTKARSH-07, VESIT Mumbai, January 12-13, 2007.

NATIONAL WORKSHOPS/FDPS (NPTEL)/STTP PARTICIPATED AND COMPLETED

1. Participated in the National Level Workshop on "Modern Power Systems," organized by the Department of Electrical and Electronics Engineering of NIT Nagaland, February 10–14, 2023.
2. Actively participated in the "How to Place Students for Paid International Internship?" workshop conducted by Skill Academy Campus Program on October 29, 2022.
3. Attended a one-week Faculty Development Program on "Recent Advances in Electrical Engineering," October 17–21, 2022, organized by the Department of Electrical and Electronics Engineering in association with IEEE Ananthapuram Section and IEEE Student Branch of G Pulla Reddy Engineering College, Autonomous.
4. Participated in the AICTE Training and Learning (ATAL) Academy Offline Elementary FDP on "IDEA LAB FDP - Basic," August 23–27, 2021, at Ajay Kumar Garg Engineering College.
5. Successfully completed a three-day webinar on "A Beginner's Guide to Electrical & Electronics Engineers – Practical Perception," held May 21–23, 2020, organized by the Department of Electrical & Electronics Engineering.
6. Successfully completed the 60 Contact Hours Faculty Development Program on Data Science, held June 1–30, 2020.

7. Participated in a Five-Day National Workshop on "IoT Applications in Smart Grid using PLC," held November 11–15, 2019, at QIS College of Engineering & Technology, Ongole.
8. Attended and participated in the Industrial Automation Training Workshop conducted at QIS College of Engineering, Ongole, February 25, 2019.
9. Successfully completed the 8-week NPTEL course from January–March 2019 as part of the AICTE Faculty Development Program.
10. Participated in a six-day Faculty Development Program on "Android Application Development," conducted by Avalog Infotech Pvt. Ltd., Bengaluru, January 9–14, 2018, at QIS College of Engineering & Technology, Ongole.
11. Attended a two-day Faculty Development Program on "Machine Learning Using MATLAB," held October 29–30, 2018, at QIS College of Engineering and Technology, Ongole.
12. Participated in a one-day workshop on "Patent Writing," organized by the Department of R&D, QIS College of Engineering & Technology, Ongole, August 11, 2018.
13. Participated in a five-day Faculty Development Program on "CISCO Networking" by AVALOG Infotech Pvt. Ltd., held December 6–11, 2017, organized by the Department of Computer Science and Engineering, QIS College of Engineering and Technology, Ongole.
14. Attended National Level workshop at QISCET, Ongole, December 18–23, 2017, on the topic "Big Data and Hadoop Platform."
15. Attended National Level workshop at QISCET, Ongole, on "IoT-based Control of Power Devices," conducted by Power Research and Development Consultancy Bangalore, September 18–24, 2017.
16. Participated in a One-Week Faculty Development Program on "MATLAB/SIMULINK" organized by MathWorks India, Hyderabad, held October 3–7, 2016, at QIS College of Engineering and Technology, Ongole.
17. Attended National Level workshop at VVIT, Guntur, July 15–16, 2016, on the topic "Recent Trends in Power Systems."
18. Attended National Level workshop at GPREC, Kurnool, July 18–23, 2011, on the topic "Simulation of Power Electronics and Drives."
19. Attended National Level workshop at GPREC, Kurnool, December 1–3, 2010, on the topic "Simulation of Electrical Systems using MATLAB."
20. Attended National Level workshop at KSRMCE, Kadapa, July 4, 2009, on the topic "Power System Operation, Dynamics and Control."
21. Participated in a one-day workshop on "Power System Operation, Dynamics & Control," organized by KSRM College of Engineering, Kadapa, Department of Electrical & Electronics Engineering, July 4, 2009.
22. Participated in the Two-Day National Workshop on "Power Electronic Applications to Drives" organized by the Department of Electrical & Electronics Engineering, Vignan's Engineering College, Guntur, August 29–30, 2008.
23. Attended National level workshop at GPREC, Kurnool, March 22–24, 2007, on the topic "Recent Trends in Power Electronics and Drives."

REFRESHER COURSE COMPLETED

1. National Level three-week refresher course at JNTU Hyderabad on Nov 10-29, 2008 on the Topic Refresher course on "Advances in power electronics and their applications to drives and power system".
2. Participated in a Mission 10X workshop conducted at AITS at Rajampet, Kadapa Dist from 14th Feb 2011 to 18th Feb 2011.
3. Achieved Dale Carnegie training certificate on 'High Impact Teaching Skills'

CONFERENCES/WORKSHOPS/FDPS/STTP ORGANISED

4. Organized a 5-day Faculty Development Program (FDP) on "Applications of Graph Theory and Artificial Intelligence in Distributor Feeder Management," in association with IEI Student Chapter, held from November 28, 2022, to October 2, 2022.
5. Organized as Convener, a 6-day Short Term Training Program (STTP) titled "Advanced Power Electronic Converters for Electric Vehicle Powertrain and Smart-Grid," sponsored by AICTE, from December 14–19, 2020.
6. Organized as Convener, a 6-day Short Term Training Program (STTP) titled "Advanced Power Electronic Converters for Electric Vehicle Powertrain and Smart-Grid," sponsored by AICTE, from November 23–28, 2020.
7. Organized a Five-Day Online Faculty Development Program (FDP) on "Advances and Challenges on Industrial Automation, E-Vehicles, Product and Process Controls Manufacturing in Electrical and Electronics Engineering," held June 3–7, 2020.
8. Organized a One-Day National Conference on "Modern Trends and Innovations in Electrical Engineering (NCMTIEE-2k20)," on February 11, 2020, ISBN: 978-93-82829-95-9.
9. Served as Convener for the National-level students' meet "Technical, Sports, and Cultural Event QISFEST2018," held on March 10, 2018.

10. Organized a Two-Day National Conference on "Innovative Technologies in Power, Control, Drives and Automation (ITPCDA-2016)," held August 26–27, 2016, sponsored by the Science and Engineering Research Board, New Delhi. ISBN: 978-81-924012-3-2.

SUBJECTS TAUGHT

1. Power Electronics
2. HVDC Transmission
3. Digital Signal Processing
4. Power Semiconductor Drives
5. Electrical Circuits I
6. Electrical Machines I & II
7. Fundamentals of Electrical Engineering

EXTRA-CURRICULAR ACTIVITIES

1. Acted as co-ordinator for one day National Level Students Symposium titled "Emerging trends in Engineering Technology" (ET)2 in KSRM College of Engineering, Kadapa in 2009
2. Acted as co-ordinator Two day National Level Students Symposium titled "ISHANA-2015" in KSRM College of Engineering, Kadapa in 2015.
3. Acted as Co-Convener for National Conference co-sponsored by SERB under DST "ITPCDA- 16" in the month of 26 and 27 August 2016.
4. Acting as Chairman, Board of studies member in EEE Department, QIS college of Engineering and technology, Ongole.
5. Acting as Academic and Governing Body Member in QIS College of Engineering and technology, Ongole from 2018 to till date.
6. Coordinator in Smart India Hakathon 2022 conducted by QISCET Ongole on 25-08-2022 to 30-08-2022.
7. Established Student chapter on 14th Nov 2022 in the department of EEE, QISCET Ongole.

PROFESSIONAL MEMBERSHIP

1. Life Member of Indian Society for Technical Education (ISTE) since 2009: M.No.62148.
2. Life member of The Institution of Engineers (IEI) as Member: M-1605857

SESSION CHAIR AND REVIEWER FOR INTERNATIONAL JOURNAL

1. Acting as Reviewer for IEEE transaction on Industrial Electronics from the year 2016.
2. Acted as Reviewer for International Conference on Multi Conference on Engineering, Science and Technology 2022 virtual conference on April 27-28, 2022 organized by QIS College of Engineering and technology and Singapore perpetual University.
3. Session chair for the National Conference on Recent Trends in Electrical Engineering RTET-2021 organised by KSRM College of Engineering and Technology held on 29.12.2021.
4. Session chair for the International Conference on Future Electric Vehicular Mobility and its Challenges 2021 organised by JOGINPALLY B. R. ENGINEERING COLLEGE Hyderabad , Telangana , India on 21, 22 December 2021

PERSONAL DETAILS

Father Name: Balapanur Sai Baba, Retired Irrigation Officer, in AP
Mother Name: Balapanur Lakshmi Devi
Date of Birth: 16th June 1983
Place of Birth: Nandyal
Marital Status: Married
Wife Name: Harika Balapanur

Daughter: Parnika, Hamsika
Languages Known: English, Telugu, Hindi
Languages Known: English, Telugu, and Hindi
Date of Birth: 16-06-1983
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