

Resume

CONTACT INFORMATION	Dr. Prabhakaran K K, Assistant Professor, Dept. of Electrical Engineering, MANIT Bhopal, Madhya Pradesh-462003, India	Phone: +91-9445535223 Email: k7prabhakaran@gmail.com
EDUCATION	Doctorate of Philosophy (Ph.D.) in Electrical and Electronics Engineering, National Institute of Technology Karnataka , Surathkal, India. July 2019 Master of Engineering (M.E.) in Power Electronics and Drives, First Class, Anna university , Chennai, India. June 2013 Bachelor of Engineering (B.E.) in Electrical and Electronics Engineering, First Class, Anna university , Chennai, India. May 2011	
TEACHING EXPERIENCE	Assistant Professor , Department of Electrical Engineering, Maulana Azad National Institute of Technology Bhopal, Madhya Pradesh-424003, India. 31/07/2025 to Till Associate Professor , Dept. of Electrical & Electronics Engineering, Dayananda Sagar College of Engineering, Karnataka-560111, India. 02/01/2025 to 28/07/2025 Assistant Professor , Department of Mechatronics Engineering, Manipal Institute of Technology, Manipal, Karnataka-576104, India. 27/06/2019 to 29/08/2019	
RESEARCH EXPERIENCE	Post Doctoral Researcher , Renewable Energy laboratory Prince sultan University, Riyadh-11586, Saudi Arabia 20/11/2022 to 19/11/2024 Post Doctoral Fellow , HydroPower Simulation Laboratory Department of Water Resources Development and Management, Indian Institute of Technology Roorkee, Uttarakhand-247667, India. 12/09/2019 to 28/12/2021 Senior Research Fellow , Centre for System Design, National Institute of Technology Karnataka, Karnataka-575025, India. 24/01/2019 to 25/06/2019	
INDUSTRY EXPERIENCE	Senior Lead Engineer , Aerostrovilos Energy Pvt. Ltd., Start-up of Indian Institute of Technology Madras, Tamil Nadu-600036, India. 01/01/2022 to 18/11/2022	
MEMBERSHIP OF PROFESSIONAL SOCIETIES	IEEE Senior Member (93196636)	
RESEARCH INTERESTS	• Development of power converter configuration and respective control technique for electric vehicle application. • Development of power converter topologies and respective control algorithms for renewable energy systems. • Development of coordinated control strategy and energy management algorithm for hybrid DC/AC Microgrid. • Development of sensorless speed estimation algorithm and control techniques for electric drives. • Applications of custom power devices for power quality improvement.	
SKILLS	Simulation: MATLAB, PSIM, Ltspice, TINA-TI Hardware Development: Dspace, Typhoon HIL, FPGA, DSP controllers and Design of PCB using EAGLE.	
PATENT	1. Rupesh Kumari, Thanga Raj Chelliah and K. K. Prabhakaran , "Intelligent Hydro Turbine Control System for Variable Speed Hydro Generating Units," Indian patent, Grant No. 530242, dated 26/03/2024.	

2. A. Karthikeyan, **K. K. Prabhakaran**, B. Venkatesa Perumal “Method and Device for Sensorless PMSM drive” Indian patent, Grant No. 530230, dated 26/03/2024.
3. A. Karthikeyan, B. Venkatesa Perumal, D. G. Abhilash Krishna, **K. K. Prabhakaran** “A dynamic voltage restoration system for weak ac grids and a method thereof” Indian patent, Grant No. 525180, dated 14/03/2024.

PUBLICATIONS
INTERNATIONAL
JOURNALS

1. Ravindran S, **Prabhakaran Koothu Kesavan**, David Banjerdpongchai, Prem P, “Modelling, implementation and analysis of double-side slotted axial flux PMGs suitable to small-scale wind energy conversion systems”, *Scientific Reports*, vol. 15, article number: 20384, pp. 1-20, 2025. (Q_1 , SCIE indexed, Impact Factor= 3.9)
2. Kanimozhi K, **Prabhakaran Koothu Kesavan**, Nagendrappa Harischandrappa, B. Venkatesaperumal, “Implementation of Coordinated Control and Decentralized Power Flow Management Strategy for a Solar Powered EV Charging System”, *IEEE Transactions on Consumer Electronics*, vol. 71, no. 1, pp. 1609-1622, Feb. 2025. (Q_1 , SCIE indexed, Impact Factor= 10.9)
3. Kanimozhi K, **Prabhakaran Koothu Kesavan**, Nagendrappa Harischandrappa, B. Venkatesaperumal, “Design and Laboratory Validation of a Grid-Interfaced Totem-Pole PFC Converter with PR Controller and Isolated Phase Modulated Converter for Solar-Powered Next-Gen EV Charging System”, *CPSS Transactions on Power Electronics and Applications*, vol. 10, no. 1, pp. 32-43, March 2025. (Q_1 , Scopus indexed)
4. Kanimozhi K, **Prabhakaran K K**, Nagendrappa Harischandrappa, B. Venkatesaperumal, “Development of Small Signal Model and Stability Analysis of PV-Grid Integration System for EV Charging Application”, *IEEE Journal of Emerging and Selected Topics in Industrial Electronics*, vol. 5, no. 1, pp. 274-284, Jan. 2024. (ESCI indexed, Impact Factor= 4.0)
5. Adithya Chepuru, Saravanakumar Rajendran, **Prabhakaran Koothu Kesavan**, “Modified Parabolic Extrapolation based Maximum Power Point Tracking of Thermoelectric Generator for Dynamic Conditions”, *Chinese Journal of Electrical Engineering*, vol. 10, no. 4, pp. 97-105, December 2024. (Q_1 , Scopus indexed)
6. **Prabhakaran Koothu Kesavan**, Umasankar Subramaniam and D. J. Almakhles, “Reduced Switch Inverter fed Sensorless PMSM Drive with Multistage MRAS Speed Estimator based on Stator Flux and Electromagnetic Torque”, *IEEE Transactions on Transportation Electrification*, vol. 10, no. 2, pp. 2620-2631, June 2024. (Q_1 , SCIE indexed, Impact Factor= 8.3)
7. **Prabhakaran Koothu Kesavan**, A. Karthikeyan, Manoj Kumar, Sushant Mandal, “A Simple Primary Key Method based Shade Dispersion to Maximize PV Power Generation Under Partial Shading Conditions”, *Chinese Journal of Electrical Engineering*, vol. 10, no. 2, pp. 93-102, June. 2024. (Q_1 , Scopus indexed)
8. **Prabhakaran Koothu Kesavan**, Umasankar Subramaniam and D. J. Almakhles, “Laboratory Implementation of Direct Torque Controller based Speed Loop Pseudo Derivative Feedforward controller for PMSM Drive”, *CES Transactions on Electrical Machines and Systems*, vol. 8, no. 1, pp. 12-21, Mar. 2024. (Q_1 , Scopus indexed)
9. **Prabhakaran Koothu Kesavan**, Umasankar Subramaniam and D. J. Almakhles, Sivakumar Selvam, “Modelling and Coordinated Control of Grid Connected Photovoltaic, Wind Turbine Driven PMSG, Energy Storage Device for a Hybrid DC/AC Microgrid”, *Protection and Control of Modern Power Systems*, vol. 9, no. 1, pp. 154-167, Jan. 2024. (Q_1 , SCIE indexed, Impact Factor= 11.9)
10. **Prabhakaran Koothu Kesavan**, Umasankar Subramaniam and D. J. Almakhles, “Design and performance analysis of Cascaded Pseudo Derivative Feedback plus Pseudo Derivative FeedForward controller for PMSM drive”, *International Journal for Computation and Mathematics in Electrical and Electronic Engineering*, vol. 42, no. 6, pp. 1867-1891, 2023. (Q_3 , SCIE indexed, Impact Factor= 1.0)

11. **K. K. Prabhakaran**, R. Saravanakumar, "Maximum power extraction from a wind turbine using terminal synergetic control", *IETE Journal of Research*, (Taylor & Francis), vol. 69, no. 2, pp. 1152-1159, 2023. (Q_3 , SCIE indexed, Impact Factor= 1.125)
12. **Prabhakaran K K**, S. Varsha, A. Karthikeyan, "Single Stage PV powered Boost Inverter fed Permanent magnet synchronous Motor Driven Water Pumping System", *Clean Energy*, vol. 6, no. 6, pp. 726-737, 2022. (Q_2 , Scopus & ESCI indexed, Impact Factor= 3.7)
13. Raghavendra Rao P, Vignesh Kumar V, **K. K. Prabhakaran**, B. Venkatesa Perumal, "A Novel Algorithm based on Voltage and Current Perturbation to track Global peak under Partial Shading Conditions", *IEEE Transactions on Energy Conversion*, vol. 37, no. 4, pp. 2461 – 2471, Dec 2022. (Q_1 , SCIE indexed, Impact Factor= 4.9)
14. D. G. Abhilash Krishna, A. Karthikeyan, **K. K. Prabhakaran**, Sushant Kumar, "An Efficient Pseudo Derivative Feedback based Voltage Controller for DVR under Distorted Grid Conditions", *IEEE Journal of Emerging and Selected Topics in Industrial Electronics*, vol. 2, no. 1, pp. 71-81, Jan. 2021. (ESCI indexed, Impact Factor= 4.0)
15. Rupesh Kumari, **K. K. Prabhakaran**, Karthik Desingu, Thanga Raj Chelliah, and S. V. Appa Sarma, "Improved Hydro-Turbine Control and Future Prospects of Variable Speed Hydropower Plant", *IEEE Transactions on Industry Applications*, vol. 57, no. 1, pp. 941-952, Jan.-Feb. 2021. (Q_1 , SCIE indexed, Impact Factor= 4.5)
16. **K. K. Prabhakaran**, A. Karthikeyan, S. Varsha, B. Venkatesa Perumal, and Sukumar Mishra, "Standalone Single Stage PV-Fed Reduced Switch Inverter Based PMSM for Water Pumping Application", *IEEE Transactions on Industry Applications*, vol. 56, no. 6, pp. 6526-6535, Nov.-Dec. 2020. (Q_1 , SCIE indexed, Impact Factor= 4.5)
17. **K. K. Prabhakaran**, and A. Karthikeyan, "Electromagnetic Torque-Based Model Reference Adaptive System Speed Estimator for Sensorless Surface Mount Permanent Magnet Synchronous Motor Drive," *IEEE Transactions on Industrial Electronics*, vol. 67, no. 7, pp. 5936-5947, July 2020. (Q_1 , SCIE indexed, Impact Factor= 7.2)
18. **K. K. Prabhakaran**, A. Karthikeyan and F. Blaabjerg, "Laboratory Implementation of Electromagnetic Torque based MRAS Speed Estimator for Sensorless SMPMSM Drive", *IET Electronics Letter*, Vol. 55, No. 21, pp. 1145-1147, 17/10/2019. (Q_3 , SCIE indexed, Impact Factor= 0.8)
19. A. Karthikeyan, **K. K. Prabhakaran**, C. Nagamani, "FPGA based Direct Torque Control with Speed Loop Pseudo Derivative Controller for PMSM Drive", *Cluster Computing*, (Springer) Vol. 22, No. 6, pp. 13511–13519, November 2019. (Q_1 , SCIE indexed, Impact Factor= 4.1)
20. B Kavya Santhoshi, K Mohana sundaram, Sanjeevikumar Padmanaban, Jens Bo Holm Nielsen, **K. K. Prabhakaran**, "A Critical Review on PV Grid -Tied Inverters", *Energies*, 12(10), 1921, 2019. (Q_1 , SCIE indexed, Impact Factor=3.2)
21. Manoj Kumar. N, C. Chellamuthu and **K. K. Prabhakaran** "Simulation and Implementation of Diode Clamped Multilevel Inverter Fed Induction Motor", *International Journal of Applied Engineering Research (IJAER)*, Vol. 9, No. 21, pp. 11433-11451, year. 2014. (Q_4 , Scopus indexed)

INTERNATIONAL CONFERENCES

1. Nirmal Mukundan C M, **Prabhakaran Koothu Kesavan**, Umasankar Subramaniam and D. J. Almathles, "Control of a Microgrid Integrated PV-Assisted EV Charging Station for Active Power Management", in *proc. 11th IEEE International Conference on Power Electronics, Drives and Energy Systems (IEEE PEDES 2024)*, Mangalore, India. (scopus indexed)
2. **Prabhakaran Koothu Kesavan**, Nirmal Mukundan C M, Umasankar Subramaniam and D. J. Almathles, "Transient Analysis of Micro Grid-Integrated EV Charging Station with Hybrid Energy Storage System", in *proc. 5th IEEE IAS Industrial and Commercial Power System Asia (IEEE I & CPS Asia 2024)*, Pattaya, Thailand. (scopus indexed)

3. Aakriti Gupta, **K. K. Prabhakaran**, Thanga Raj Chelliah, “Electromagnetic Analysis of a Large Hydrogenerator during Symmetrical Grid Fault in a Power System Network”, *in proc. 2nd IEEE International Conference on Smart Technologies for Power, Energy and Control (STPEC 2021)*, Chhattisgarh, India. (scopus indexed)
4. Barada Prasanna Nayak, **K. K. Prabhakaran**, Thanga Raj Chelliah, Premalata Jena, “Investigation of Power System Stabilizer PSS-3B in a Large Hydro Generating Unit”, *in proc. 2nd IEEE International Conference on Smart Technologies for Power, Energy and Control (STPEC 2021)*, Chhattisgarh, India. (scopus indexed)
5. Ritu Tiwari, **K. K. Prabhakaran**, Thanga Raj Chelliah, L.P. Joshi, “Performance Analysis of Extra High Voltage 765 kV and 400 kV Hydro Power fed Transmission Lines”, *in proc. 21st IEEE International Conference on Environment and Electrical Engineering (EEEIC 2021)*, Bari, Italy. (scopus indexed)
6. Rupesh Kumari, **K. K. Prabhakaran**, Thanga Raj Chelliah, “Enhanced Control of Large Rated Variable Speed Hydrogenerating Unit Under Unbalanced Grid Voltage Conditions”, *in proc. 21st IEEE International Conference on Environment and Electrical Engineering (EEEIC 2021)*, Bari, Italy. (scopus indexed)
7. **K. K. Prabhakaran**, Ritu Tiwari, Sudipta Ranjan Nayak, Thanga Raj Chelliah, “Performance Investigation on Damping of Active Power Oscillation in the Large Hydro-Power Plant with Power System Stabilizer”, *in proc. 9th IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES 2020)*, MNIT Jaipur, India. (scopus indexed)
8. Rupesh Kumari, **K. K. Prabhakaran**, Thanga Raj Chelliah, “Improved Cybersecurity of Power Electronic Converters Used in Hydropower Plant”, *in proc. 9th IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES 2020)*, MNIT Jaipur, India. (scopus indexed)
9. Karthikeyan A, Praneeth C V S, **K. K. Prabhakaran**, “PV fed hybrid power converter for rural home applications”, *in proc. 10th IEEE International Conference on Power Electronics-ECCE Asia (ICPE 2019-ECCE Asia)*, Busan, Korea. (scopus indexed)
10. Karthikeyan A, **K. K. Prabhakaran**, Varsha S, Venkatesa Perumal B, S Mishra, “Single stage PV fed reduced inverter based PMSM for standalone water pumping application”, *in proc. 8th IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES 2018)*, IIT Madras, Chennai, India. (scopus indexed)
11. Karthikeyan A, Varsha S, **K. K. Prabhakaran**, “Hybrid Control of Single-Phase to Three-Phase Reduced Switch Converter for PMSM Drive”, *in proc. 15th IEEE India council International Conference (INDICON 2018)*, Amrita Vishwa Vidyapeetham, Coimbatore, India. (scopus indexed)
12. A. Karthikeyan, **K. K. Prabhakaran**, C. Nagamani, Abhilash Krishna D.G, “Standalone single stage PV fed reduced switch inverter based independent control of two PMSM drive”, *in proc. 40th IEEE International Telecommunications Energy Conference (INTELEC 2018)*, Torino, Italy. (scopus indexed)
13. A. Karthikeyan, Abhilash Krishna D.G, Suresh kurra, **K. K. Prabhakaran**, “Uncertainty and Disturbance Estimator Based Control for Transformerless DVR”, *in proc. 40th IEEE International Telecommunications Energy Conference (INTELEC 2018)*, Torino, Italy. (scopus indexed)
14. A. Karthikeyan, **K. K. Prabhakaran**, C. Nagamani, “Four quadrant operation of direct torque controlled PMSM drive using speed loop PDFF controller”, *in proc. 5th IEEE International Conference on Power, Instrumentation, Control and Computing (PICC 2018)*, Thrissur, India. (scopus indexed)
15. A. Karthikeyan, **K. K. Prabhakaran**, C. Nagamani, “Stator flux based MRAS speed and stator resistance estimator for sensorless PMSM drive”, *in proc. 14th IEEE India Council International Conference (INDICON 2017)*, IIT Roorkee, India. (scopus indexed)

16. A. Karthikeyan, **K. K. Prabhakaran**, Venkatesa Perumal B, C. Nagamani, “Pseudo Derivative Feedback current controlled sensorless PMSM drive with Flux-Torque based MRAS estimator for low speed operation”, in *proc. 8th IEEE International Symposium on Sensorless Control for Electrical Drives (SLED 2017)*, Catania, Italy. (scopus indexed)
17. **K. K. Prabhakaran**, Karthikeyan A, Venkatesa Perumal B and Nagamani C, “Speed loop pseudo derivative feedback controller based direct torque controlled PMSM drive”, in *proc. IEEE 7th Power India International Conference (PIICON 2016)*, Bikaner, India. (scopus indexed)
18. **K. K. Prabhakaran**, S. Shyam Kumar and N. Manoj Kumar, “Three level diode clamped inverter for field oriented control of induction motor”, in *proc. IEEE International Conference on Computation of Power, Energy, Information and Communication (ICCPEIC 2013)*, Chennai, India. (scopus indexed)
19. J. Piragateesh, D. Anbumani, K. Mohanasundaram, and **K. K. Prabhakaran**, “A comparison of PWM control and digital control strategy for asymmetric DC-AC cascaded H-bridge multilevel inverter with R and motor load”, in *proc. IEEE International Conference on Circuits, Power and Computing Technologies (ICCPCT 2013)*, Nagercoil, India. (scopus indexed)

BOOK CHAPTER

1. Anjana Jain, Saravana Kumar Rajendran, K. Deepa, Ashutos H K. Giri, Sabharaj Arya, Biswajee T Rout, and **K. K. Prabhakaran**, “Intelligent Proportional Integral-Sliding Mode Control for Standalone Variable-Speed Wind Energy Conversion Systems”, *Distributed Energy Systems, 1st Edition, CRC Press*, 2022.

PROJECTS

1. **Title: Integration of renewable energy systems and power flow management of Hybrid DC/AC microgrid** at Prince Sultan University, Riyadh, Saudi Arabia, [Role: Post Doctoral Fellow].
 - Development of control technique for PMSM-based wind energy conversion system.
 - Development of DC bus voltage regulation technique based on PV and battery.
 - Design of coordinated control and power flow management of hybrid DC/AC microgrid.
2. **Title: Multi-fuel micro gas turbine-based power generation for AC/DC microgrid and electric vehicle** at Aerostrovilos Energy Pvt. Ltd., IIT Madras [Role: Senior Lead Engineer].
 - Design and development of effective converters for motoring, generating operation and grid-connected system.
 - Functional validation of inverter, rectifier, delay and protection card.
 - Modelling and development of control techniques for motoring and generation operation.
3. **Title: Analysis and Mitigation of Active Power Oscillations in Hydro-Generators fed High Voltage Transmission Lines** (This work was supported by THDC India Limited under Project THD-1495-WRC) at Indian Institute of Technology Roorkee, [Role: Post Doctoral Fellow].
 - Modelling of 400kV double circuit transmission lines from Tehri Hydropower Complex to Meerut including bus reactor at Koteswar HEP, series compensation in one line at Meerut end.
 - Simulation and evaluation of steady state and dynamic performance of test system.
 - Analysis of power oscillation during the failure of series compensation and finding the key parameters affecting the power delivery while total load gets transferred to the uncompensated line.
4. **Title: Standalone Evaporative Air cooler – Pump flow and fan speed controller using solar energy** (This work was supported by Department of Science and Technology, India, under Grant TMD/CERI/BEE/2016/064(G)) at National Institute of Technology Karnataka, [Role: Research Scholar].
 - Design and develop a solar-driven evaporative air cooler for rural applications.
 - Design and development of an effective converter to operate cooler pump and fan motor in the proposed evaporative air-cooling system.

- To verify and validate the proposed system behavior in simulation and hardware.
- Without using a battery (to improve system reliability) effective utilization of solar power is achieved by pumping the water (within 15 feet head) with an additional pipe-valve arrangement when the cooler is off.

5. **Title: Control strategies for dynamic voltage restorer under unbalanced and disturbed grid conditions** (This work was supported by Science and Engineering Research Board SB/FTB/ETA-0020/2014) at National Institute of Technology Karnataka, [Role: Research Scholar].

- Development of dual role Cascaded Delayed Signal Cancellation (CDSC) based Dual Vector Control (DVC) algorithm for compensating voltage sags and simultaneously mitigating the harmonics from load voltage.
- The CDSC-Pre-filter abstracts Instantaneous Symmetrical Components (ISC) from grid voltage and given to sequence controller to generate the fundamental component of compensation voltage. Based on the modified CDSC strategy an extractor is designed to extract the desired harmonics from load voltage during distorted grid conditions.
- Hardware implementation of CDSC-PLL on FPGA-based digital controller and analyze its performance under different voltage disturbances.
- Hardware implementation of dual role CDSC-based DVC algorithm for DVR on FPGA-based digital controller and evaluating its performance under different voltage disturbances.

6. **Ph.D. Thesis “Investigations on sensor/sensorless control of PMSM drive for grid-connected and standalone applications”,** Advisor: Dr. A. Karthikeyan at National Institute of Technology Karnataka.

- Development of a simple and robust electromagnetic torque-based model reference adaptive system speed estimator for PMSM drive.
- Development of a cascaded pseudo derivative feedback controller to enhance the transient and steady-state performance and satisfactory tracking response for the PMSM drive with a wide adjustable speed range.
- Hardware implementation of sensorless rotor position/speed estimation algorithms and control strategy for the closed-loop speed control of PMSM drive.
- Hardware implementation of standalone single stage PV powered reduced switch inverter fed PMSM drive.
- Simulation of Standalone single-stage PV fed reduced switch inverter-based independent control of two PMSM drives.

SHORT TERM
COURSES /
TRAINING
PROGRAMS
ATTENDED

1. Three days short term course on **Power Electronics Applications and Technology in Present Energy Scenario** organized by the Department of Electrical and Electronics Engineering, National Institute of Technology Karnataka from 4th – 6th March 2015 (Sponsored by TEQIP-Phase II).
2. Three days short term course on **Application of Power Electronics to Renewable Energy Systems and Micro Grids** organized by the Department of Electrical and Electronics Engineering, National Institute of Technology, Tiruchirappalli from 8th – 10th February 2015 (Sponsored by National Mission in Power Electronics Technology-NaMPET, Department of Electronics & Information Technology, Govt. of India).
3. Three days short term course on **Power Electronics in Distributed Generation** organized by the Department of Electrical and Electronics Engineering, National Institute of Technology Karnataka from 7th – 9th February 2014 (Sponsored by National Mission in Power Electronics Technology-NaMPET).
4. Five days Inplant Training in **Electrical Installation** organized by Airport Authority of India, Chennai.

ACTIVITIES/
ACHIEVEMENTS

- Awarded Post Doctoral Researcher Fellowship at Prince Sultan University, Riyadh, Saudi Arabia.
- Awarded MHRD fellowship for Post Doctoral Fellow at Indian Institute of Technology Roorkee, India.
- Awarded MHRD fellowship for Doctor of Philosophy at National Institute of Technology Karnataka, India.

- Awarded International Travel Grant from NITK Alumni Association to attend the 8th IEEE International Symposium on Sensorless Control for Electrical Drives (SLED 2017) held in Catania, Italy.
- Actively participated in organizing a Virtual Short-Term Course on “Applications of Multi-Megawatt Power-Electronics System (AMPS-2020),” Organized by the Department of Water Resources Development and Management, Indian Institute of Technology, Roorkee, December 1-5, 2020, sponsored by National Mission on Power Electronics Technology (NaMPET), an initiative of Ministry of Electronics and Information Technology (MeitY), GoI Nodal Centre – CDAC Thiruvananthapuram. Ministry of Communications & Information.
- Worked in the consultancy project “Switched Reluctance Motor and Control for 2W & 3W” at Centre for System Design, National Institute of Technology Karnataka, funded by the Department of Heavy Industry.
- Actively involved in developing in-house experiments for U.G. Power Electronics Laboratory at National Institute of Technology Karnataka.
- Actively participated in organizing Short-Term Course on “Power Electronics in Distributed Generation” Organized by Department of Electrical & Electronics Engineering, National Institute of Technology Karnataka, February 7th -9th 2014, Sponsored by National Mission on Power Electronics Technology (NaMPET), an initiative of Ministry of Electronics and Information Technology (MeitY), GoI Nodal Centre – CDAC Thiruvananthapuram. Ministry of Communications & Information.
- Reviewer for the IEEE Transactions on Transportation Electrification, IEEE Transactions on Power Electronics, IEEE Transactions on Industry Applications, IEEE Transactions on Energy Conversion, IEEE Transactions on Mechatronics, IEEE Journal of Emerging and Selected Topics in Power Electronics, ISA Transactions and IET Generation, Transmission & Distribution.
- Reviewer for the IEEE International conferences.

REFERENCES

Dr. Thanga Raj Chelliah, Professor & Head of the Department, Phone: +91-9456593798
HydroPower Simulation Laboratory, E-mail: thanga.chelliah@wr.iitr.ac.in
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It is declared that all the information given above is true to the best of my knowledge and belief

Date: 05/08/2025

Place: Bhopal

(Prabhakaran Koothu Kesavan)