



# Mr. Vipin Padmanabhan

Assistant Professor, Electrical & Electronics Engineering

## Administrative Responsibilities

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- Faculty Advisor of EEE 2024-2028 Batch
- NBA Criteria 1 Department Coordinator
- Library Council Department Representative

## Education Summary

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- Ph.D. (pursuing) – NIT Calicut.
- M. Tech. in Power Systems – Government Engineering College Thrissur.
- B. Tech. in Electrical & Electronics Engineering – Vidya Academy of Science & Technology, Thrissur.

## Employment History

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- Assistant Professor in Department of Electrical & Electronics Engineering, Christ College of Engineering, Irinjalakuda (August 2025 to till date).
- Assistant Professor in Department of Electrical & Electronics Engineering, Thejus Engineering College, Vellarakkad (August 2011 to July 2025).

## Journal/Papers Published

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- V. Padmanabhan, V. Beena and M. Jayaraju "An intelligent Maximum Power Point Tracker for a standalone PV system" – ENCON 2011, a National level technical paper presentation organized by Energy Conservation Society.
- V. Padmanabhan, V. Beena and M. Jayaraju, "Maximum Power Point Tracking using a Fuzzy Logic Controller for a stand alone PV system" - NATCON 2012, National conference organized by CERD at GEC Thrissur.
- V. Padmanabhan, V. Beena and M. Jayaraju, "Fuzzy logic based Maximum Power Point Tracker for a Photovoltaic system," International Conference on Power, Signals, Controls and Computation, 2012
- Sreelakshmi Ravindran & Vipin Padmanabhan, 2017, Drift Avoidance in Photovoltaic Systems by Modification in Perturb and Observe MPPT Algorithm, International Journal of Engineering Research & Technology (IJERT) Volume 06, Issue 05 (May 2017).
- Rohini K K and Vipin Padmanabhan "Comparative Study of Microgrid Connected in Islanded Mode using Droop Control & Advanced Dynamic Droop Control Techniques" - (IRJET) Volume 8, Issue 7, July 2021.

## Trainings / Faculty Development Programmes Attended

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- Training Programme on “*MATLAB & Simulink for Engineering Education*”, conducted by MathWorks India, on 24 August 2011.
- Training Programme on “*Tools and Results Applicable to Parametric Robust Control*”, conducted at Vidya Academy of Science & Technology, on 6 January 2018.
- Training Programme on “*Training of Trainers on Sustainable Energy Championship 2019*”, organized by SEEM Kerala Chapter, IEEE Kerala Section and IEEE PES, at MES College of Engineering, Kuttippuram, on 20 March 2019.
- Training Programme on “*Industrial Automation using PLC*”, conducted at Vidya Academy of Science & Technology, on 6 & 7 January 2020.
- Five-Day Faculty Development Programme (FDP) on “*Emerging Trends in Electrical Engineering – A Research Perspective*”, organized by LBS College of Engineering, Kasaragod, from 27 July 2020 to 31 July 2020 (Online Mode).
- Training Programme on “*Teaching and Learning – An Online Approach*”, organized by Ahalia School of Engineering and Technology, Palakkad and ISTE – Ahalia Palakkad Chapter, on 01 August 2020.
- Five-Day Faculty Development Programme (FDP) on “*Upskilling for Future: Technical Innovations & Research Opportunities in Power Engineering*”, organized by BNM Institute of Technology, Bengaluru, in August 2020 (Online Mode).
- Five-Day Faculty Development Programme (FDP) on “*Pedagogical Techniques in Electronics and Electrical Engineering*”, organized by Walchand College of Engineering, Sangli, from 10 August 2020 to 14 August 2020 (Online Mode).
- Five-Day Faculty Development Programme (FDP) on “*Blockchain*”, organized by AICTE Training and Learning (ATAL) Academy, from 31 August 2020 to 04 September 2020 (Online Mode).
- Five-Day Faculty Development Programme (FDP) on “*Inculcating Universal Human Values in Technical Education*”, organized by All India Council for Technical Education (AICTE), from 03 May 2021 to 07 May 2021 (Online Mode).
- Three-Day Faculty Development Programme (FDP) on “*Unarvu – A Journey towards Sustainable Future*” (Malayalam), under AICTE VANI Scheme, organized at Christ College of Engineering, from 17 July 2025 to 19 July 2025.
- Six-Day ATAL Faculty Development Programme (FDP) on “*Emerging Trends in Electric Vehicle Ecosystem: Power Electronics, AI and Sustainable Mobility*”, organized at Christ College of Engineering, from 18 August 2025 to 23 August 2025.
- Five-Day Faculty Development Programme (FDP) on “*Research Methodology*”, conducted by Global Research & Training Centre, from 20 September 2025 to 24 September 2025 (Online Mode).
- Five-Day Training Program on “*Electrical Power System Modeling, Study & Analysis using ETAP Software*” jointly organized by Christ College of Engineering & ENSPAR ENERGY SOLUTIONS PVT. LTD

## Areas of interest

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- Power Systems
- Electricity Market
- Renewable Energy

## Achievements

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- Qualified GATE 2008
- First prize in ENCON 2011, a National level technical paper presentation competition organized