

# Dr. Sachin Gee Paul

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🌐 <https://www.icet.ac.in/faculties/5/staff-profile>



## Employment History

- Oct 2021 – . . . . . **Associate Professor**, Department of Electrical & Electronics Engineering, Ilahia College of Engineering and Technology
- Jul 2015 – Jun 2017 **Assistant Professor**. Department of Electrical & Electronics Engineering, VISAT
- Aug 2014 – Aug 2015 **Graduate Engineer Trainee**. Binani Zinc Ltd.Kochi
- Jan 2012 – April 2012 **Guest Lecturer**. Department of Electrical & Electronics Engineering, M.A College of Engineering, Kothamangalam
- Oct 2010 – Nov 2011 **Lecturer**. Department of Electrical & Electronics Engineering, Indira Gandhi Institute of Engineering and Technology, Kothamangalam

## Education

- 2017 – 2021 **Ph.D, Anna University**: Faculty of Electrical and Electronics Engineering  
Thesis title: *A Certain Investigation on Power Electronic Transformer based Power Converter for Traction Applications*.
- 2012 – 2014 **Post Graduation, Anna University**: M.Tech in Power Electronics and Drives.  
Project title: *An Autonomous Photovoltaic Water Pumping System in Rural Areas*.
- 2006 – 2010 **Graduation, M.G University**: B.Tech in Electrical and Electronics Engineering.  
Project title: *Design of Traction Substation for Railway Applications*.

## Research Publications

### Conference Proceedings

- 1 S. G. Paul and C. Ravichandran, “An algorithm implementation for harmonics reduction in power electronic transformer based electric locomotives,” in *Intelligent Computing, Information and Control Systems: ICICCS 2019*, Springer, 2020, pp. 274–281.

### Journal Articles (List Not Completed)


- 1 S. G. Paul and S. Allirani, “Fuzzy logic controller based batteryless autonomous photovoltaic water pumping system in rural areas,”
- 2 S. G. Paul and C. Ravichandran, “High frequency transformer in electric traction with bidirectional dc-dc converter using customized embedded system,” *Microprocessors and Microsystems*, vol. 77, p. 103 162, 2020.

## Skills

- Languages **Strong** reading, writing and speaking competencies for English, Tamil, Malayalam and Hindi
- Softwares **Matlab**, MS Viso, LaTeX.

## Skills (continued)



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Misc.     Academic research, teaching, training, consultation,  $\LaTeX$  typesetting and publishing.



## Miscellaneous Experience

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### Awards and Achievements

- 2018     **Best Research Paper Award**, SARC Excellent Paper Award for the title 'A Review on Power Electronic Transformer for High Speed Electric Locomotives' on 15 July.
- 2009     **Best Research Paper Award**, AISGSE 2019 Best Paper Award for the title 'An IGBT based DC to DC Power Converter with High Frequency Power Electronic Transformer for Traction Application' from PSG TECH Coimbatore on January 5th.





### Certification/Affiliation

- 2010 November     **Certification.** : Completed Training from AUTODESK-AutoCAD Electrical.
-  **Certification.** : Course completed from CAD Centre – AutoCAD.






### Seminars

- 2017     **Hands on training on Arm processor for Power Electronics Applications in Sep 2017**, Sri Ramakrishna Engineering College.
- 2013     **Embedded System on PIC Microcontroller in STEPS Knowledge Services Pvt Ltd 2013**,

### Workshops

- 2018     **Nature Inspired Metaheuristic Algorithms : Modelling, Analysis and Control Engineering Applications in Feb 2018**, School of Electrical Engineering Vellore Institute of Technology.
-  **IETE National Workshop on “ Art of writing a Report, Research Paper and Thesiss in Aug 2018**, Sri Ramakrishna Engineering College.
- 2014     **National Workshop on Advanced Power Electronics and Motor Control Simulation Techniques in Feb 2014**, Sri Ramakrishna Engineering College.
- 2013     **MSP430 Workshop attended in TEXAS INSTRUMENTS in Jun 2013**, Sri Ramakrishna Engineering College.

### Duties/Responsibilities

- 2022     **Ilahia App.Dvelopment Coordinator**
-  **Obsqura Publicity Coordinator**
-  **IEEE Conference Coordinator**
-  **IQAC Central Coordinator**
- 2021     **NBA Department Coordinator**

## References

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Dr.CS Ravichandran, Professor, Department of Electrical Engineering , 9750956751