

ILAHIA COLLEGE OF ENGINEERING AND TECHNOLOGY

Dr. SACHIN GEE PAUL (M.Tech ; Ph.D)

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Qualifications

Qualifications	Course	Institution	University	CompletionDate / Status
Ph.D	Electrical Engineering	Anna University	Anna University	07 Dec 2021
Post-Graduation	Power Electronics and Drives	Sri Ramakrishna Engineering College	Anna University	30 May 2014
Graduation	Electrical and Electronics Engineering	Viswajyothi College of Engineering and Technology	M.G	24 Apr 2010

Certification Program

Course	Institution	University	Completion Date
Completed Training on AutoCAD Electrical	CAD CENTRE	AUTODESK	01 Nov 2010
Completed Training on AutoCAD 2011	CAD CENTRE	AUTODESK	01 Nov 2010

Professional Experience

Duration	Exprience	Status	Organization	Department	Designation	Keyareas
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Duration	Expreience	Status	Organization	Department	Designation	Keyareas
22 Oct 2021-03 Jan 2022	00 Years, 2 Months, 12 Days	Currently Associated	Ilahia College of Engineering	Electrical & Electronics Engineering Department	Assistant Professor	Electronic Communication ; Electrical Measurements & Instrumentation
01 Jul 2015-22 Jun 2017	01 Years, 11 Months, 21 Days	Previously Working	Vijnan Institute of Science & Technology (VISAT)	Electrical & Electronics Engineering Department	Assistant Professor	Power Electronics ; Switch Gear and Protection ;Power Generation & Distribution ; Electric Drives & Control ; Electrical Machines ;Introduction to Electrical Engineering ;Basic Electrical Engineering
11 Aug 2014-10 Aug 2015	00 Years, 11 Months, 30 Days	Previously Working	Binani Zinc Ltd Kochi	Electrical Department	Graduate Trainee	
23 Jan 2012-27 Apr 2012	00 Years, 3 Months, 4 Days	Previously Working	MA College of Engineering	Electrical & Electronics Engineering Department	Guest Lecturer	Power System Analysis ; Electrical Technology

Duration	Exprience	Status	Organization	Department	Designation	Keyareas
19 Oct 2010-30 Nov 2011	01 Years, 1 Months, 11 Days	Previously Working	Indira Gandhi Institute of Engineering & Technology	Electrical & Electronics Engineering Department	Assistant Professor	Power Electronics ; Switch Gear & Protection ; Electrical Machines ;Basic Electrical Engineering
16 Jun 2010-30 Sep 2010	00 Years, 3 Months, 14 Days	Previously Working	Lower Periyar Hydro Electric Power Station K.S.E.B	Electrical Department	Apprentice	

ResearchTraction Drives; Electric Locomotives ; Electric Vehicles Technology ; High Power Converters; Power Electronics AcademicsPower Electronics ; Power System ; Renewable Energy's

Achievements/Awards

Type	Achievments/Awards
Achievement	Excellent Research Paper Award From SARC International Conference held at Alappuzha on 15 July 2018
Achievement	Best Paper Award from International Conference on Artificial Intelligence ,Smart Grid and Smart City Applications conducted at PSG College of Technology on 4-5 January 2019

Research Publications:

- Publication Type: ResearchPublications
- Title: High frequency transformer in electric traction with bidirectional DC-DC converter using customized embedded system
- Indexed In: Web of science
- Event Status: International
- Main Author: Sachin Gee Paul
- Co-Author: C S Ravichandran
- Journal Name: Microprocessors and Microsystems
- Date: 0000-00-00
- UGCApproval: Not Approved
- ISSN No: 0141-9331
- Volume: 77

- Issue: September 2020
- Page Number:
- Year: 2020
- Details:

Research Publications:

- Publication Type: ResearchPublications
- Title: An Algorithm Implementation for Harmonics Reduction in Power Electronic Transformer Based Electric Locomotives
- Indexed In: Scopus
- Event Status: International
- Main Author: Sachin Gee Paul
- Co-Author: C S Ravichandran
- Journal Name: Advances in Intelligent Systems and Computing
- Date: 0000-00-00
- UGCapproval: Not Approved
- ISSN No: ISBN 978-3-030-30465-2
- Volume: 1039
- Issue: October 2019
- Page Number:
- Year: 2019
- Details:

Research Publications:

- Publication Type: ResearchPublications
- Title: Power Electronic Transformer based IGBT Converters for Electric Locomotive Applications
- Indexed In: Scopus
- Event Status: International
- Main Author: Sachin Gee Paul
- Co-Author: CS Ravichandran
- Journal Name: International Journal of Innovative Technology and Exploring Engineering
- Date: 0000-00-00
- UGCapproval: Not Approved
- ISSN No: 2278-3075.
- Volume: 9
- Issue: 2
- Page Number:
- Year: 2019
- Details:

Research Publications:

- Publication Type: ResearchPublications
- Title: Hybrid Regenerative System on Power Electronic Transformer for Electric Traction Applications
- Indexed In: Scopus
- Event Status: International
- Main Author: Sachin Gee Paul
- Co-Author: C S Ravichandran
- Journal Name: International Journal of Engineering and Advanced Technology
- Date: 0000-00-00
- UGCapproval: Not Approved

- ISSN No: 2249 %u2013 8958
- Volume: 9
- Issue: 2
- Page Number:
- Year: 2019
- Details:

Research Publications:

- Publication Type: ResearchPublications
- Title: A Modified Approach on Speed Control of Traction Motors for Power Electronic Transformer Based Locomotives
- Indexed In: Other
- Event Status: International
- Main Author: Sachin Gee Paul
- Co-Author: C S Ravichandran
- Journal Name: Compliance Engineering Journal
- Date: 0000-00-00
- UGCapproval: Approved
- ISSN No: 0898-3577
- Volume: 11
- Issue: 10
- Page Number:
- Year: 2020
- Details:

Research Publications:

- Publication Type: ResearchPublications
- Title: A Review on Power Electronic Transformer for High Speed Electric Locomotives
- Indexed In: Other
- Event Status: International
- Main Author: Sachin Gee Paul
- Co-Author: C S Ravichandran
- Journal Name: International Journal of Electrical, Electronics and Data Communication
- Date: 0000-00-00
- UGCapproval: Not Approved
- ISSN No:
- Volume: 6
- Issue: 10
- Page Number:
- Year: 2018
- Details:

Research Publications:

- Publication Type: ResearchPublications
- Title: Fuzzy Logic Controller Based Batteryless Autonomous Photovoltaic Water Pumping System in Rural Areas
- Indexed In: Other
- Event Status: International
- Main Author: Sachin Gee Paul
- Co-Author: S.Allirani

- Journal Name: International Journal of Electrical Engineering
- Date: 0000-00-00
- UGCapproval: Not Approved
- ISSN No: 0974-2158
- Volume: 7
- Issue: 1
- Page Number: 11-16
- Year: 2014
- Details:

Seminars/Workshops/Conferences/Presentation/Poster Presentation

Workshops:

- Event Status: National
- Title: MSP430 Launch Pad
- Start and End date: 28 Jun 2013 - 29 Jun 2013
- Organizing Body: Texas Instruments
- Role: Texas Instruments
- Details:

Workshops:

- Event Status: National
- Title: Nature Inspired Metaheuristic Algorithms : Modelling, Analysis and Control Engineering Applications-
- Start and End date: 24 Feb 2018 - 24 Feb 2018
- Organizing Body: School of Electrical Engineering -Vellore Institute of Technology
- Role: School of Electrical Engineering -Vellore Institute of Technology
- Details:

Workshops:

- Event Status: National
- Title: Embedded System on PIC Microcontroller
- Start and End date: 28 Jun 2013 - 28 Jun 2013
- Organizing Body: STEPS Knowledge Services Pvt Ltd
- Role: STEPS Knowledge Services Pvt Ltd
- Details:

Workshops:

- Event Status: National
- Title: Hands on Training on Arm processor for Power Electronics Applications
- Start and End date: 22 Sep 2017 - 23 Sep 2017
- Organizing Body: Sri Ramakrishna Engineering College
- Role: Sri Ramakrishna Engineering College
- Details:

Workshops:

- Event Status: National
- Title: Hands on Training on Arm processor for Power Electronics Applications
- Start and End date: 22 Sep 2017 - 23 Sep 2017

- Organizing Body: Sri Ramakrishna Engineering College
- Role: Sri Ramakrishna Engineering College
- Details:

Workshops:

- Event Status: National
- Title: Hands on Training on Arm processor for Power Electronics Applications
- Start and End date: 22 Sep 2017 - 23 Sep 2017
- Organizing Body: Sri Ramakrishna Engineering College
- Role: Sri Ramakrishna Engineering College
- Details:

Workshops:

- Event Status: National
- Title: Hands on Training on Arm processor for Power Electronics Applications
- Start and End date: 22 Sep 2017 - 23 Sep 2017
- Organizing Body: Sri Ramakrishna Engineering College
- Role: Sri Ramakrishna Engineering College
- Details:

Workshops:

- Event Status: National
- Title: Hands on Training on Arm processor for Power Electronics Applications
- Start and End date: 22 Sep 2017 - 23 Sep 2017
- Organizing Body: Sri Ramakrishna Engineering College
- Role: Sri Ramakrishna Engineering College
- Details:

Workshops:

- Event Status: National
- Title: Hands on Training on "Arm processor for Power Electronics Applications
- Start and End date: 22 Sep 2017 - 23 Sep 2017
- Organizing Body: Sri Ramakrishna Engineering College
- Role: Sri Ramakrishna Engineering College
- Details:

Workshops:

- Event Status: National
- Title: Art of writing a Report, Research Paper and Thesis
- Start and End date: 13 Aug 2018 - 14 Aug 2018
- Organizing Body: Sri Ramakrishna Engineering College
- Role: Sri Ramakrishna Engineering College
- Details:

Workshops:

- Event Status: National
- Title: Advanced Power Electronics and Motor Control Simulation Techniques
- Start and End date: 21 Feb 2014 - 22 Feb 2014
- Organizing Body: Sri Ramakrishna Engineering College
- Role: Sri Ramakrishna Engineering College

- Details:

Conferences:

- Event Status: International
- Title: A Review on Power Electronic Transformer for High Speed Electric Locomotives
- Start and End date: 15 Jul 2018 - 15 Jul 2018
- Organizing Body: SARC International Conference- Allapuzha
- Role: SARC International Conference- Allapuzha
- Details:

Conferences:

- Event Status: International
- Title: An IGBT based DC to DC Power Converter with High Frequency Power Electronic Transformer for Traction Application
- Start and End date: 04 Jan 2019 - 05 Jan 2019
- Organizing Body: PSG College of Technology Coimbatore
- Role: PSG College of Technology Coimbatore
- Details:

Conferences:

- Event Status: International
- Title: An Algorithm Implementation for Harmonics Reduction in Power Electronic Transformer based Electric Locomotives
- Start and End date: 27 Jun 2019 - 28 Jun 2019
- Organizing Body: International Conference on Intelligent Computing, Information and Control Systems -Malla Reddy Engineering College Hyderabad
- Role: International Conference on Intelligent Computing, Information and Control Systems -Malla Reddy Engineering College Hyderabad
- Details:

Conferences:

- Event Status: National
- Title: A Novel Approach for Designing of Traction Substation for Railways
- Start and End date: 07 Feb 2014 - 07 Feb 2014
- Organizing Body: Emerging Trends on Electrical Technology -Easa College of Engineering
- Role: Emerging Trends on Electrical Technology -Easa College of Engineering
- Details:

References

Name	Qualification	Designation	Organisation	Emaild	Mobile Number
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Name	Qualification	Designation	Organisation	Emaild	Mobile Number
Dr. CS Racichandran	Ph.D	Professor	Sri Ramakrishna Engineering College Coimbatore	dean-eee@srec.ac.in	9750956751