

Faculty Profile

Dr. S. Paul Sathiyam

Assistant Professor (AGP 8000)

Department of Electrical and Electronics Engineering

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Academic Background

Degree	Branch	University	Year
Ph.D	Electrical Engineering	Karunya Deemed University, Coimbatore	2017
M.E.	Power Electronics and Drives	Karunya Deemed University, Coimbatore	2007
B.E	Electrical and Electronics Engineering	Manonmaniam Sundaranar University, Tirunelveli	2004

Professional Experience

Name & address of the Institution/ Organization	Post held	Period of service	
		From	To
Karunya Institute of Technology and Sciences (A Deemed University), Karunya Nagar, Coimbatore	Assistant Professor (AGP 8000)	1 st Aug 2021	Till Date
	Assistant Professor (AGP 7000)	1 st Apr 2013	31 st July 2021
	Assistant Professor (6000)	1 st Nov 2009	31 st Mar 2013
	Assistant Professor	7 th July 2009	31 st Oct 2009
	Lecturer	18 th June 2007	6 th July 2009
Total Experience = 15 Years 7 Months			

Research Areas

- Electric and Hybrid Vehicles
- EV Charging Station Design
- Soft computing Techniques
- Advanced Driver Assistant Systems

Recent Courses Taught

- Electric and Hybrid Vehicles
- Power Electronics
- Embedded System Design
- Automotive Electronics
- Microprocessor and Microcontrollers
- Simulation of Power Electronic System

Responsibilities Held

- Mentor
- Lab Incharge – Engineering Simulation Lab
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Membership in Professional Societies

- Member IAENG (International Association of Engineers)
- Member IEEE (The Institute of Electrical and Electronics Engineers)

Academic Performance Index

• Publications in International Journals	- 1
• Publications in International Conferences	- 13
• Publications in National Conferences	- 1
• Participation and Presentation in International / National Conferences	- 13
• Participation in FDP / Workshops / STTP / Seminars / Guest Lectures	- 12
• FDP / Workshops / Seminars / Guest Lectures Organized	- 8
• Awards and achievements	-
• Ph.D Guiding	- 4
• M.E / M.Tech. Project Guided	- 15
• Foreign Interns Guided	- 3
• Short-Term Grants received	- 2
• Funding project proposal submitted	- 1
• Books / Chapters published	- 2

Significant Achievements

- Conducted several hands-on sessions in Embedded System, Hardware in Loop Simulation

Industry Collaborations / Interactions

- EinNel Technologies., Chennai
- Matt Engineering., Nagercoil

Recent Scopus Publications:

1. Chandran, B.P., Selvakumar, A.I., Sathiyam, S.P., Gunamony, S.L., Artificial Neural Network-Based Hybrid Model for Efficient Battery Management **National Academy Science Letters, Springer Nature**, DoI : 10.1007/s40009-022-01200-z
2. Iqbal, M., Sathiyam, P., Stonier, A.A., Peter, G., Vanaja, D.S., Ganji, V., An Extensive Critique on Electric Vehicle Components and Charging Systems **International Transactions on Electrical Energy Systems**, DoI : 10.1155/2022/3612032
3. Paul Sathiyam, S., Benin Pratap, C., Stonier, A.A., Peter, G., Sherine, A., Praghash, K., Ganji, V., Comprehensive Assessment of Electric Vehicle Development, Deployment, and Policy Initiatives to Reduce GHG Emissions: Opportunities and Challenges **IEEE Access**, DoI : 10.1109/ACCESS.2022.3175585
4. Pratap, B.C., Selvakumar, A.I., Sathiyam, S.P., Let, S.G., Minimization of Torque Ripple in Induction Motor Drive by Optimal Harmonic Elimination [Minimalizacja tętnienia momentu obrotowego w napędzie silnika indukcyjnego poprzez optymalną eliminację harmoniczných] **Przegląd Elektrotechniczny**, Vol :2020, Issue : 4, Pg Nos : 36 - 39, DoI : 10.15199/48.2022.04.8
5. Paul Sathiyam, S., Jensen, S., Abirami, J., Electric Vehicle Charging Technology: Recent Developments **Lecture Notes in Networks and Systems, Springer Nature**, Vol : 355, Issue : , Pg Nos : 487 - 493, DoI : 10.1007/978-981-16-8512-5_52
6. Pratap Chandran, B., Immanuel Selvakumar, A., Shine Let, G., Paul Sathiyam, S., Optimal model parameter estimation of solar and fuel cells using improved estimation of distribution algorithm **Ain Shams Engineering Journal**, Vol : 12, Issue : 2, Pg Nos : 1693 - 1700, DoI : 10.1016/j.asej.2020.07.034