

BIO DATA



Name : A. S. Vigneshwar

Designation : Assistant Professor (Senior Grade)

Department : EEE

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1. Educational Qualification

Degree	Branch / Specialization	Institute/University	Year of Passing
B.E.	Electrical and Electronics Engineering	Velammal Engineering College, Chennai/Anna University, Chennai	2010
M.E	Power System Engineering	Velammal College of Engineering and Technology, Madurai/Anna University, Chennai	2015
Ph.D	Power System Engineering	Anna University, Chennai	Pursuing

2. Professional/ Industry Experience

S.No	Designation	Institution/ Organization	Period	
			From	To
1	Assistant Professor(Senior Grade)	Ramco Institute of Technology, Rajapalayam	01.01.2023	Till date
2	Assistant Professor	Ramco Institute of Technology, Rajapalayam	01.06.2016	31.12.2022
3	Assistant Professor	M. Kumaraswamy College of Engineering, Karur	04.06.2015	06.05.2016

3. Research Interest : Power System Engineering

4 Publications

4.1 JOURNAL PUBLICATIONS

1. P. Prem Kumar, S. Kathir, S. Kannan, S. Viignesh, Autonomous operated robot for water tank cleaning, International Research Journal of Engineering and Technology, vol. 5, no. 4, April 2018, pp. 355- 357
2. Mr. A. S. Vigneshwar, Mr. V. Ramakrishnan, Mr. M. Ram kumar, Mr. D. Sharoun, “IoT Based Battery Monitoring System for E-Vehicle, International Journal of Scientific Research in Science and Technology, Volume 9, Issue 1, ISSN: 2395-6011, April 10, 2021.
3. Mr. A. S. Vigneshwar, Ms. T. Senthamarai, Ms. S. Ida Princy, Ms. M. Vasuki, “Solar Panel Hybrid Cleaning System”, International Journal of Scientific Research in Science and Technology, Volume 9, Issue 1, ISSN: 2395-6011, April 10, 2021.
4. Published a paper titled “Application Of An Automatic Three-Phase Power Supply Phase Selector In The Medical Ventilator”, Journal of Pharmaceutical Negative Results, Vol no. 13, Special Issue 7, 2022, pp. 4818-4823.
5. Published a paper titled “Real-Time Installation of a Smart Energy Meters Using the Long-Range Network” in Journal of Electrical Engineering and Technology (JEET) and published online on 19 July 2023. The journal is in the journal list given by Anna University. The journal has an impact factor of 1.9 and the ISSN of the journal is Electronic ISSN 2093-7423 & Print ISSN 1975-0102.
6. Published a paper titled “Power Quality Enhancement in Hybrid Sustainable Energy Systems Grid-Connected Scheme by Modified Non-dominated Sorting Genetic Algorithm” in Journal of Electrical Engineering and Technology (JEET) and published online on 31st October 2023. The journal is in the journal list given by Anna University. The journal has an impact factor of 1.9 and the ISSN of the journal is Electronic ISSN 2093-7423 & Print ISSN 1975-0102

4.2 CONFERENCE PUBLICATIONS

1. Ajantha A, Thaarani T, Vijayaprabha K, S. Viignesh, “Automatic Solar Grass Cutter using Arduino”, National Conference on Innovations in Communication Technology for Social Development (ICTSD 2018), Ramco Institute of Technology, Rajapalayam.
2. B. Prathap Kumar, M.Sivabalan, N. Sivaramakrishnan, S. Vignesh, S. Viignesh, “Implementation of Time Based Tariff Calculation”, National Conference on

Innovations in Engineering, Science and Technology (NCIEST 2017), Ramco Institute of Technology, Rajapalayam.

3. Mr. A. S. Vigneshwar, Mr. V. Ramakrishnan, Mr. M. Ram kumar, Mr. D. Sharoun, “IoT Based Battery Monitoring System for E-Vehicle”, International Conference on Advances in Materials, Computing and Communication Technologies ICAMCCT-2021, Annai Vailankanni College of Engineering, AVK Nagar, Kanyakumari, Tamil Nadu, 10th April, 2021.
4. Mr. A. S. Vigneshwar, Ms. T. Senthamarai, Ms. S. Ida Princy, Ms. M. Vasuki, “Solar Panel Hybrid Cleaning System”, International Conference on Advances in Materials, Computing and Communication Technologies ICAMCCT-2021, Annai Vailankanni College of Engineering, AVK Nagar, Kanyakumari, Tamil Nadu, 10th April, 2021.
5. Presented a paper titled “Automated Hyper parameter Tuned Deep Learning Enabled Reactive Power Optimization Model for Power Distribution System” on 2022 International Conference on Augmented Intelligence and Sustainable Systems (ICAISS) on 24-26 November 2022 and indexed in Scopus with DoI 10.1109/ICAISS55157.2022.10010960.
6. Presented a paper titled “Evolutionary Optimization with Deep Transfer Learning for Content based Image Retrieval in Cloud Environment ” on 2022 International Conference on Augmented Intelligence and Sustainable Systems (ICAISS) on 24-26 November 2022 and indexed in Scopus with DoI 10.1109/ICAISS55157.2022.10011122.
7. Presented a paper titled “IoT based food waste monitoring system” on International conference on Recent Innovations in Computer, Communication and Manufacturing (ICRICCM-23) organised by AAA college of Engineering and Technology on 12.04.2023, 13.04.2023.

4.3 Book/Book chapter publications :

- Published a book chapter on the title, “Challenges of Municipal Solid Waste Management: An Empirical Study”, in the book titled “Changing Face of Agriculture, Agri-Business, Agriculture Marketing and Organic Farming – Innovation and

Strategies”, Iterative International Publishers, Volume: 01, 2022. ISBN: 978-81-959356-2-.

- Published a book on the title” Fundamentals of Electrical Engineering” in RK publications, Coimbatore with ISBN no.-978-93-95331-49-4

5 Funded Projects

S.No.	Title of the project	Funding Agency	Duration	Amount	Status
1	Autonomous Operated Robot for Water Tank Cleaning	IE(I), Kolkatta	0.5 year	Rs. 45,000	Completed
	IoT Based Smart Food Wate Monitoring System	IE(I), Kolkatta	0.5 year	Rs. 20000	Completed

6 Ph.D. guidance

Sl.No	Scholar name	University	Topic	Status
NIL				

7 Short term Courses / Seminars /FDP/Workshop/ConferenceAttended:

Sl.No	Title f the event	Organized by	Date	
			From	To
1.	FDP on “Industry 4.0”	Skill Link-TCE, madurai	13.02.23	17.02.23
2.	Solar PV grid integration –Need and challenges	Velammal College, Madurai	28.07.21	-
3.	Power Electronic Converters and Control for Renewable Power and Microgrid Systems	IIT, Goa	14.12.2021	18.12.2021
4.	Webinar on Draft Eia Notification 2020: Highlights And Challenges	IE(I)	06.08.20	-
5.	Webinar on Need for National Education Policy and the reforms in NEP 2020	RIT	10.11.20	-
6.	Workshop on Universal Human Values	AICTE	02.11.20	06.11.20
7.	FDP on “Role of Faculty in Challenging Situation”	RIT	26.07.2020	-
8.	FDP on “Virtual Labs”	NITK Surathkal	10.08.2020	14.08.2020

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9.	FDP on “Internet of Things”	IIIT, Tiruchirapalli	23.11.2020	27.11.2020
10.	FDP on “Smart Cities	Dayaananda Sagar Academy of Technology and Management	18.01.2021	22.01.2021
11.	Hands on Training on Analog Discovery Kit	Ramco Institute of Technology, Rajapalayam	22.06.19	-
12.	Seminar on “Intelligent Electric Power Grid”	Ramco Institute of Technology, Rajapalayam	28.12.18	29.12.18
13.	Anna University approved FDP on “Linear Integrated Circuits”	Kalasalingam Institute of Technology, Krishnankoil	12.11.18	24.11.18
14.	FDP on “Smart Grid”	Velammal College of Engineering and Technology, Madurai	31.10.18	-
15.	Workshop on “Smart Grid and Micro Grid Systems- Research Issues”	Mepco Schlenk Engineering College, Sivakasi	04.05.18	05.05.18
16.	AICTE approved two-week FDTP on “Human values and Professional Ethics”	Ramco Institute of Technology	30.10.17	12.11.17
17.	Anna university approved FDTP on “Power System Operation and Control”	Kalasalingam Institute of Technology	01.12.16	10.12.16
18.	Training Programme on “DigSilent Software”	Ramco Institute of Technology	20.06.16	22.06.16
19.	Anna University approved FDTP on “Control Systems”	Ramco Institute of Technology	04.06.16	10.06.16

8. Short term Courses / Seminars /FDP/Workshop/Conference organized:

Sl.No	Title of the event	Organized by	Date	
			From	To
1.	Online Workshop on “Sensors and Displays	RIT	17.06.22	18.06.22
2.	Webinar on opportunities in “Higher Education” for EEE students	RIT	21.09.21	-
3.	Webinar on placement opportunities for EEE students in "Software sector	RIT	22.09.21	-
4.	Training Program on Virtual Laboratory	RIT	03.10.20	08.10.20
5.	STTP on Virtual Laboratory	RIT	03.08.20	08.08.20

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6.	Workshop on Virtual Laboratory	ISIE India	03.11.2020	-
7.	Webinar on "Digital Electronics	Ramco Institute of Technology, Rajapalayam	20.09.2020	-
8.	Webinar on How to face Interview and Technical requirement for different IT job portfolio	Ramco Institute of Technology, Rajapalayam	23.08.2020	-
9.	Value added course on Core Java	Ramco Institute of Technology, Rajapalayam	03.04.2019	08.04.2019
10.	Technical Quiz	Ramco Institute of Technology, Rajapalayam	14.09.19	-
11.	Workshop on Motor Assembling and Dismantling	Ramco Institute of Technology, Rajapalayam	22.08.18	25.08.18
12.	Quantitative Aptitude competition for III year and II year EEE students	Ramco Institute of Technology, Rajapalayam	31.01.18 & 25.01.18	-
13.	Line follower competition for EEE students	Ramco Institute of Technology, Rajapalayam	08.04.17	-
14.	Essay Writing Competition on "Science and Technology for Specially Abled person" in National Science Day '17	Ramco Institute of Technology, Rajapalayam	28.02.17	-

9. Online Courses

S. No	Course title	University	Date
1.	NITTTS1M3 – Module 2_ Professional Ethics and Sustainable Development	NITTT	Feb 2023
2.	Mastering Programming with MATLAB	Vanderbilt University	10.10.2021
3.	Programming for Everybody (Getting Started with Python)	University of Michigan	11.07.2020
4.	Electric Power Systems	The State University of New York	13.07.2020
5.	18.03L: Transfer Functions and the Laplace Transform	MIT	01.10.2020
6.	Operations Research: an Active Learning Approach	The Hong Kong Polytechnic University.	03.09.2020
7.	Introduction to Computer Science and Programming Using Python	Massachusetts Institute of Technology	01.11.19
8.	Circuits and Electronics 1: Basic	MITx	31.05.19

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	circuit analysis		
9.	Calculus 1C: Coordinate Systems & Infinite Series	MITx	12.05.19
10.	Differential Equations: Fourier Series and Partial Differential Equations	MITx	21.12.18
11.	Calculus 1B: Integration	MITx	09.03.18
12.	Calculus 1A: Differentiation	MITx	10.09.17
13.	Electricity and Magnetism, Part - 1	Rice University, USA	06.06.17
14.	Solar Energy	Delft	30.12.16

10. Patents filed/awarded : Filed a patent titled “AI Aided Tank Cleaner” on 03.02.2021

11. Membership in Professional societies : ISTE,IE(I)

12. Awards, Recognition & Achievements:

Produced 100 % result in the subject EE6005 Power Quality.

Produced 100 % result in the subject EE3402 Linear Integrated Circuits.

Produced 100% result in the subject BE3251 Basic Electrical and Electronics Engineering

Any others (Board of studies/Governing Council/Staff Selection/ Reviewer/other duties)