


Field	Details	Photo															
Name of the Faculty	RAMRAJ B																
Faculty ID	A/TS/88																
Designation	Assistant Professor																
Department	Electrical and Electronics Engineering																
Total Experience	14 Years, 8 Months																
Experience at Nandha Engineering College	12 Years, 8 Months																
Date of Birth	18/09/1986																
Email ID	ramrajb@nandhaengg.org, rajuvcet@gmail.com																
Employment Status	Regular																
University Faculty ID	7322136																
AICTE Faculty ID	1-14986618919																
Educational Qualifications	UG: B.E. (Electrical and Electronics Engineering) @ Velalar College of Engineering and Technology / Anna University, Chennai / 2004-2008																
	PG: M.E. (Applied Electronics) @ Bannari Amman Institute of Technology / Anna University, Coimbatore / 2008-2010																
Areas of Specialization	Green Energy from Solid Waste, Cyber Security in Electric Vehicles																
Academic and Research Identity	ORCID ID: 0000-0001-5279-1076 Google Scholar Profile: https://scholar.google.com/citations?user=qDLmvvoAAAAJ&hl=en Scopus ID: 57217180881 Web of Science Researcher ID: LQJ-9646-2024																
Teaching & Research Contributions	<p>Courses Taught: Electric Circuit Theory, Electrical Machines-I & II, Electron Devices & Circuits, Digital Logic Circuits, Power Plant Engineering, Microprocessor & Microcontroller, Signals & Systems, Digital Signal Processing, Network Analysis & Synthesis, Power System Operation & Control, Wireless and Mobile Communication, Advanced Digital System Design.</p> <p>Research Interests: Cyber Security & Electric Vehicle Charging Systems</p> <p>Projects Guided: UG - 20 & PG - 06</p> <p>Funded Seminars:</p> <table border="1"> <thead> <tr> <th>S.No</th> <th>Title of the Program</th> <th>Duration</th> <th>Funding Agency</th> <th>Funding Amount</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Recent Trends in Solar Photovoltaic Electric Conversion Systems</td> <td>19-04-2013 to 20-04-2013</td> <td>CSIR</td> <td>Rs.30,000/-</td> </tr> <tr> <td>2.</td> <td>Recent Trends in Nano- Technology And Its Application to Energy Sector</td> <td>18-10-2013 to 19-10-2013</td> <td>CSIR</td> <td>Rs.30,000/-</td> </tr> </tbody> </table>		S.No	Title of the Program	Duration	Funding Agency	Funding Amount	1.	Recent Trends in Solar Photovoltaic Electric Conversion Systems	19-04-2013 to 20-04-2013	CSIR	Rs.30,000/-	2.	Recent Trends in Nano- Technology And Its Application to Energy Sector	18-10-2013 to 19-10-2013	CSIR	Rs.30,000/-
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3.	Recent Trends in Production and Effective Utilization Techniques of Bio-Fuels in Energy Sector	04-04-2014 to 05-04-2014	CSIR	Rs.30,000/-
4.	Research Perspectives on Power Quality Monitoring and Mitigation in Future Smart Grids	09-05-2016	INSA	Rs.30,000/-
5.	Recent Trends and Challenges in Power Electronic Converters for Smart Grid Interface of Renewable Energy System	16-12-2016 to 17-12-2016	DST-SERB	Rs.1,00,000/-
6.	E-Waste Handling and Recycling Techniques	06-09-2018	CSIR	Rs.20,000/-
7.	Challenges, Issues and Possible Solutions in Future Smart Grid Integration of Renewable Energy System	27-02-2019 to 28-02-2019	CSR	Rs.30,000/-
8.	Emerging Advancements in Battery Technology for Future Electric Vehicle Applications	21-12-2021	CSIR	Rs.20,000/-

Publications & Patents

Journals:

1. Jayakumar, T., Ramani, G., Jamuna, P., **Ramraj, B.**, Chandrasekaran, G., Maheswari, C., Ganji, V, "Investigation and validation of PV fed reduced switch asymmetric multilevel inverter using optimization based selective harmonic elimination technique", *Automatika*, 64(3), 441-452, 2023.
2. T Jayakumar, **B Ramraj**, V Arunkumar, "Adaptive Learning and Control of Steam Turbine Brushless Excitation System using Neuro Fuzzy", *International Journal of Emerging Technologies in Engineering Research (IJETER)* Volume 4, Issue 7, 58-67, July 2016.
3. Dr.Samikannu Ravi, **B.Ramraj**, Wan Mohd Zaki Bin Wan Mansor, Safiza Binti Simon, "Design and Development of Micro Electro Mechanical Systems Based Industrial Pressure Measurement", *International Journal of Computer Science Engineering (IJCSE)*, Vol. 2, No.04, , 107-111, July 2013.

Conferences:

	<p>International Conferences: 09 National Conferences: 11 Patents: Received a Design Patent for “Smart Vision Glasses for Partially Blind Person”, dated 24 July 2024.</p>
Professional Memberships & Recognitions	<p>Memberships: 1. Indian Society of Systems for Science & Engineering (ISSE) - LM05789 2. International Association of Engineers (IAENG) – 142220 Recognitions: 1. Certified Innovation Ambassador (Advanced Level) by MoE’s Innovation Cell.</p>
Additional Contributions	<p>Workshops/FDPs Attended: 30 Value Added Course Conducted: 01</p>
Online Learning & Video Lectures	<p>https://www.youtube.com/@Techelibrary</p>



E-Signature

(Ramraj B)