Name of the Teaching Staff	Dr.V.JEGATHESAN		
Designation	Associate Professor		
Department / School	Department of Robotics Engineering School of Engineering and Technology		
Date of Joining the Institution	09.08.1999		
Qualification with Class / Grade	U G	PG	Ph.D.
	Electrical and Electronics Engineering/ First Class	Applied Electronics / First Class with Distinction	Electrical Engineering
Other Qualifications			
Area of Specialization	Industrial Automation, Power Electronics Controllers		
Research Interests	Industrial Automation, Machine learning techniques, Control System, Power Electronics Controllers		

	Under Graduate	Post Graduate
Subjects Teaching	PLC and Automation Control System Sensors and Transducers Measurements and Instrumentation System Electric Circuits and Networks Signals and Systems Digital Signal Processing Network Theory Power Electronics Microprocessors and Micro Controllers Solid State Drives	Machine Learning Advanced Digital Signal Processing Advanced Power Converters

Total Experience in Years	Teaching	Industry	Research	
	22	**-**	**16**	
Papers Published	National	**1**	International	**36**
Papers Presented in Conference	National	**5**	International	**28**
Conferences / Symposiums / Seminars / Workshops Participated	National	**19**	International	**6**
FDP / STTP / MDP / Summer / Winter School attended	**7**			
M.Phil. / Ph.D. Guide ship	Field		University	
Ph.D. Projects Guided	Ph.D.s	11	Project at Master's Level	17
Professional Memberships	1. Life member in Indian Society for Technical Education 2. Life member in International Association of Engineers (IAENG) 3. Life Member in International Association of Computer Science and Information Technology (IACSIT)			
Consultancy Activities	Role: Chief Consultant of the Project Sponsor: First Choice Forex Services Pvt Ltd, Chennai Title : Design and Fabrication of electrical and instrumentation panel for Flaxseed oil extruder with cooling arrangements			
Awards & Honours	2011-012: Best Faculty Award in the department of Electrical and Electronics Engineering, Karunya University 2013 : Best researcher Award in the department of Electrical and Electronics Engineering, Karunya University 2014: Best SIEMENS Authorized training Centre Award by Siemens Limited, Mumbai 2016: P.K. Das Best Faculty Award by Nehru Group of Institutions, Coimbatore 2017: Best Research Paper Award			

Interaction with Professional Institutions	Siemens Ltd, Mumbai

Papers Published	1. Caroline Ann Sam and **V.Jegathesan**, Bidirectional integrated on-board chargers for electric vehicles—a review, Sadhana - Academy Proceedings in Engineering Sciences, Scopus Indexed https://doi.org/10.1007/ s12046-020-01556-2, Vol: 46, pp. 26, 1-14 issue: 1 2021 2. D.Jasmine David, **V.Jegathesan**, T. Jemima Jebaseeli, Distributed Optimal Congestion Control and Channel Assignment in Wireless Mesh Networks, Telkomnika (Telecommunication Computing Electronics and Control) http://dx.doi.org/ 10.12928/v19i2.16135, Scopus Indexed, Vol: 19, issue: 2 2021, pp. 414-420 3. Saju N, **Jegathesan V**, *Performance analysis of novel three stage dual active bridge based solid state transformer with dual secondary winding for renewable energy integration,* Journal of Green Engineering, Scopus Indexed, Vol: 10, issue: 9 2020, pp. 7278-7289 4. Saju N, **Jegathesan V**, *Ann driven dual active bridge based dual winding solid state transformer for power quality improvement,* International Journal of Emerging Trends in Engineering Research (IJETER)-ISSN:2347-3983, Scopus Indexed, Vol. 8, No. 09, September 2020, pp. 6030-6034 5. Saju N, **Jegathesan V**, Fuzzy Logic Fed Novel Dual Winding Solid State Transformer based on Dual Active Bridge for Power Quality Improvement, International Journal of Emerging Trends in Engineering Research (IJETER)-ISSN:2347-3983, Scopus Indexed, Vol. 8, No. 08, August 2020, pp. 4097-4101 6. D.Jasmine David, **V.Jegathesan**, T. Jemima Jebaseeli, Interference Aware Channel Assignment in Wireless Mesh Network, *International Journal of Engineering Trends and Technology (IJETT)* – ISSN: 2231-5381, Scopus Indexed *Volume 68 Issue 8 - Aug 2020,* pp. 1-6 7. Saju N, **Jegathesan V,** and Anusha S, Comparison of Total Harmonic Distortions in various Solid State Transformer Topologies, International Journal of Advanced Science and Technology ISSN: 2005-4238, Vol. 29, No. 04, June 2020, pp. 6877 –6888 8. Saju N, **Jegathesan V**, Aiswarya K P, Solid State Transformers: An Emerging Trend in Power Quality Improvement, International Journal of Engineering Research and Technology. ISSN 0974-3154 Scopus Indexed, Volume 13, Number 5 2020, pp. 900-908 9. Kalagotla Chenchireddy, **V. Jegathesan**, Multilevel Inverter Topologies with Sliding Mode Control: A Review, International Journal of Advanced Science and Technology, ISSN: 2005-4238, Volume. 29, No. 6 June 2020, pp. 8449-8460 10. Jasmine David, D., **Jegathesan, V.,** Roopa Jayasingh, J., Performance of dynamic priority based interference aware channel allocation in wireless mesh networks for energy conservation , International Journal of Innovative Technology and Exploring Engineering ISSN: 2278-3075,Scopus Indexed, Volume-9 Issue-1, November 2019, pp. 5331-5335 11. Kalagotla Chenchireddy, **V. Jegathesan**, L. Ashok Kumar, A Fifteen Level Inverter Topology for Grid Connected Applications, International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878 Scopus Indexed, Volume-8, Issue-2S11, September 2019, PP.1015-1018

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