

VELAMMAL INSTITUTE OF TECHNOLOGY

Velammal Knowledge Park, Panchetti, Chennai-601 204

Department of Electrical and Electronics Engineering

Journal Publications - Staff

From June 2021 to December 2021

S. No	Name of the Faculty	Title of the Paper	Name of the Journal	Month/Year of Publication	ISSN Number/Publisher	Volume/Issue /Page /DOI number	Impact Factor
1	Dr.S.Muthukarupasamy	Model Predictive Controller Based Quadratic Boost Converter for WECS Applications	International Transactions of Electrical Energy Systems	October 2021	2050-7038/Wiley	Volume 31/ Issue 12/doi :10.1002/2050-7038.13133	2.860
2	Dr.J.Nandha Gopal	Model Predictive Controller Based Quadratic Boost Converter for WECS Applications	International Transactions of Electrical Energy Systems	October 2021	2050-7038/Wiley	Volume 31/ Issue 12/doi :10.1002/2050-7038.13133	2.860
3	Mr.P.Vivek	Power Quality Enhancement by Switched Capacitance based Multilevel Inverter with reduced switch count.	ICPEDC 2021	August 2021	978-981-18-2015-1	Vol 5, Pg 24	-

4	Mr.V.Subramaniyan	Instantaneous Allocation of DG and DSTATCOM for Loss Reduction and Voltage Profile Enhancement in Radial Distribution Network	Journal of Emerging Technologies and Innovative research (JETIR)	June 2021	2349-5162	Volume 8 Issue 6 / IJ Publication	
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Patent Publications - Staff

From June 2021 to December 2021

S.No	Name of the Faculty	Title of Invention	Patent Application No	Date of Filing Patent	Publication Date	Country
1	Dr.S.Muthukaruppa samy	EV Manufacturing Process and Methods using Machine Learning	202147054 878	26.11.2021	26 1.21	Indian Patent
2	Dr.J.Nandha Gopal	Electric Vehicle Manufacturing Process and Methods using Deep Learning	202141054 878	26.11.2021	10.12.2021	Indian Patent

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Department of Electrical and Electronics Engineering

Faculty Participation (Online Webinar & FDP etc.,)

From June 2021 to December 2022

S.No	Name of the Faculty	Topic	Institution/Organization	Date
1	Dr.S.Muthukaruppsamy	DST sponsored Workshop on Big Data Concepts Tools and Techniques(Hands on-Spark)	Cochin University of Science and Technology,Cochin.	29.11.2021-3.12.2021
		IEEE Sponsored Programme on Machine Learning Using Python	IEEE Madras Section	3.12.21-5.12.21
		Master Class On Artificial Intelligence	Pantech E-Learning,Chennai	6.12.21-30.01.21
1	Dr.J.Nandha Gopal	“AICTE Sponsored Two Week FDP on Future Automation in Indian Power Sector”	Anna University, BIT Campus, Tiruchirapalli.	11.12.21 – 24.12.21
		FDP on “Research Methodology – A Platform to Enhance Your Research”	Sona College of Arts and Science	25.11.21 – 27.11.21

<p>AICTE 5 days online FDP on the theme “Inculcating Universal Human Values in Technical Education”</p>	<p>All India Council for Technical Education (AICTE)</p>	<p>22.11.21 – 26.11.21</p>
<p>FDP on “Recent Advances in Power Electronics and Power Systems”</p>	<p>Lakireddy Bali Reddy College of Engineering</p>	<p>10.11.21 – 15.11.21</p>
<p>Virtual FDP on “Deep Learning : Perspectives, Trends and Research Prospects”</p>	<p>Department of EEE and NI Lab VIEW Academy in association with Math Works and Capricot Technologies, Pvt.Ltd., Hyderabad , G.Pulla Reddy Engineering College.</p>	<p>25.10.21 – 30.10.21</p>
<p>Technical talk entitled “Energy Efficient Air – Conditioning Technologies for Industrial Buildings”</p>	<p>ISHARE Madurai Chapter</p>	<p>23.10.21</p>

	FDP on an experimental learning platform – Virtual Labs	Ganpat University – A M Patel Institute of Computer Studies jointly program with National Institute of Technology Karnataka.	12.10.21
	Two days Faculty Development Programme on “Renewable Energy Systems”	Jerusalem College of Engineering	29.09.21- 30.09.21
	Recent trends in Energy & Power Systems	Vellore Institute of Technology	06.09.21 – 09.09.21
	National Level Technical Workshop on “Solar cell : Modeling and Simulation”	Sri Sivasubramania Nadar College of Engineering	23.07.21
	Online FDP on “Research Innovation and Emerging Advances in Electrical Engineering”	Easwari Engineering College	14.07.21 – 19.07.21

		FDP on “Interactive Approaches in Handling Renewable Energy Systems Laboratory for the New Normal”	Sri Sivasubramania Nadar College of Engineering	29.06.21 – 02.07.21
		Six Days Anna University Sponsored FDP on “Power Electronics”	Chennai Institute of Technology	07.06.21 – 12.06.21
		Webinar on “Intellectual Property Rights and Management for Start – ups”	Jeppiaar Institute of Technology	04.06.21
2	Mr.P.Vivek	Cyber Physical System Applications using LabVIEW	NITTR,Chennai	04.06.2021
		Applications of Power Converters in control of drives using Matlab / Simulink	The Oxford College Of Engineering,Bengaluru	18/06/2021 & 19/06/2021

		Recent Advancements in Electrical Engineering: A Research Perspective	Vellore Institute of Technology, Chennai	26.07.21 – 30.07.21
		MatLab Simulation of Advanced Power Converters	Sri Sivasubramaniya Nadar College of Engineering	Oct 26 – 28, 2021.
		Recent Advances in Power Electronics and Power Systems	LakireddyBali Reddy College of Engineering, Mylavaram, AP	10.11.2021 to 15.11.2021
		Emerging Opportunities in Power Electronics and Drives	Vellore Institute of Technology, Chennai	06.12.21 – 10.12.21
3	Mr.V.Subramanian	Six Days Anna University Sponsored FDP on “Power Electronics”	Chennai Institute of Technology	07 th – 12 th June 2021
		FDP on “Typhoon HIL Real Time HIL Simulation Tool for Power Electronics, Power Systems, EV and Microgrid”	Vellore Institute of Technology, Chennai in association with QUARBZ info systems, Kanpur	14 th - 18 th June 2021

		FDP on “Recent Advancement in Electrical Engineering: A Research Perspective”	Vellore Institute of Technology, Chennai	26 th - 30 th July 2021
		FDP on “Renewable Energy Systems”	Jerusalem College of Engineering, Chennai	29 th – 30 th Sep 2021
4	Mr.R.Vetrivelan	FDP on “Recent Advancement in Electrical Engineering: A Research Perspective”	Vellore Institute of Technology, Chennai	26 th - 30 th July 2021
		Two days Faculty Development Programme on “Renewable Energy Systems”	Jerusalem College of Engineering	29.09.21- 30.09.21
		Six Days Anna University Sponsored FDP on “Power Electronics”	Chennai Institute of Technology	07.06.21 – 12.06.21
		Webinar entitled”House wiring cost estimation”	Velammal Engineering College	July 3-2021

		Faculty Development Programme (FDP) on “Interactive Approaches in Handling Renewable Energy Systems Laboratory for the New Normal”.	Sri Sivasubramania Nadar College of Engineering	29.06.21 – 02.07.21
		webinar on “INDUSTRIAL AUTOMATION AND INDUSTRY 4.0”	DMI College of Engineering, Chennai	02.07.2021.
		One Week Short Term Training Programme through ICT Mode on Solar Photo Voltic System	National Institute of Technical Teachers Training And Research (NITTTRK) Kolkata. (Established by the Ministry of Education Government of India)	14th June to 18th June, 2021
		"Testing Inverters using Electric Motor Emulators: Benefits, Challenges presented by Dr. Uday Deshpande "	The Power Electronics Society-IEEE PELS-IEEE TEC	JUNE 29 -2021

		SARS-CoV-2 detection in wastewater: A complete analysis workflow to support effective COVID-19 management		JUNE 29-2021
		webinar on “ELECTRIC VEHICLE TECHNOLOGY”	DMI College of Engineering, Chennai	23.06.2021.
		webinar on “Complexity and Excitement of Aerospace Control”		

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Online certification – Staff (NPTEL, NITTTR etc.,)

From June 2021 to December 2021

S.No	Name of the Faculty	Title of Course	Duration of Course	Date of Certification	Issuing Agency
1	Mr.P.Vivek	MATLAB and LabVIEW Programming for Engineering Applications	Two Weeks	04.06.2021	NITTTR,Chennai
2	Mr.R.Vetrivelan	Short Term Training Programme through ICT Mode on Solar Photo Voltic System	One Week	14th June to 18th June, 2021	National Institute of Technical Teachers Training And Research (NITTTRK) Kolkata.

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Faculty outside Interaction

From June 2021 to December 2021

S.No	Name of the Faculty	Topic	Institution/Organization	Date
1	Dr.J.Nandha Gopal	Guest Lecture for “Recent Trends in Power System Apparatus Protection”	Sri Krishna College of Engineering and Technology, Coimbatore	6.10.21
2	Mr.P.Vivek	International Workshop on Energy Technology and Sensor Sytems,TENSYS- 2021	Universiti MALAYA, Malaysia	21.12.21 – 22.12.21