AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING

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DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

NAME & INITIALS	RAJAN M.S
DESIGNATION	ASSISTANT PROFESSOR
EDUCATIONAL QUALIFICATION	B.E.,M.E.,
EXPERIENCE	15 YEARS
DATE OF JOINING	16/07/2007
EMAIL ID	ms.rajan@aalimec.ac.in
AREA OF SPECIALISATION	Power Electronics & Drives

EDUCATIONAL QUALIFICATION

DEGREE	BRANCH / SPECIALIZATION	INSTITUTION	UNIVERSITY	YEAR
M.E	Power Electronics & Drives	Sri Venkateswara College of Engineering	Anna University Chennai	2005
B.E	Electrical & Electronics Engineering	Government College of Technology, Coimbatore	Bharathiar University	1999

PROFESSIONAL MEMBERSHIPS

IEEE Membership No. 90457236

IET Membership No.1100401389

FDP ATTENDED

Attended seven days FDTP on EE2032 (HVDC) at S.S.N College of Engineering from 28/11/12 to 4/12/12 organized by centre for faculty development, Anna University, Chennai

WORKSHOPS ATTENDED
Attended one day National workshop on control of power converters using Matlab Xilinx Interface on 22/3/13 at S.S.N College of Engineering
Attended two days National workshop on Advanced Power Electronics Interfaces for Distributed Energy from 20/09/13 to 21/09/13 at S.S.N College of Engineering
Attended two days National workshop on Nanomaterials for Solar Energy Conversion organized by S.S.N College of Engineering in association with IEEE Power Electronics Society, Madras Chapter on December 05-06, 2014

PUBLICATION DETAILS
M.S.Rajan, R. Seyezhai "Comparative Study of Multicarrier PWM techniques for a Modular Multilevel Inverter", International Journal of Engineering and Technology (IJET), Engineering Journals Publications, Vol 5 No 6 , pp.4850-4865, Dec 13 (Anna university, Annexure II, S.No 8187).
M.S.Rajan, R. Seyezhai "Capacitor Voltage Balancing Control for Modular Multilevel Cascaded Inverter Based on Phase Shifted Pulse Width Modulation Technique", Advances in Natural and Applied Sciences, American-Eurasian Network for Scientific Information Publications (AENSI), Jordan, ISSN No. 1995-0772, pp.205-214, March 2016 (Anna university, Annexure II, S.No 559).

CONFERENCE DETAILS
Presented paper titled "MATLAB Simulation of Modular Multilevel Inverter Based on Level-shifted PWM Technique" in 6th International conference on Science, Engineering and Technology (SET), organized by SELECT, VIT University, Vellore on May 7th, 2013 and **received best paper award**
Presented paper titled "Capacitor Voltage Balancing Control for Modular Multilevel Cascaded Inverter Based on Carrier Phase Shifted Sinusoidal Pulse Width Modulation Technique" in International conference on Electrical, Electronics & Computer Engineering (ICEECE2015), organized by Vivekanandha College of Engineering for Women, Tiruchengode on 11th March 2015
Presented paper titled "Capacitor Voltage Balancing Control for Modular Multilevel Cascaded Inverter Based on Phase Shifted Pulse Width Modulation Technique" in 3rd International Conference on Engineering Technology and Science (ICETS'16), Muthayammal Engineering Institutions Rasipuram, Namakkal. on 19th March 2016

During this semester presented paper titled "Design and Implementation of a Modular Multilevel Cascaded Inverter with phase shifted carrier PWM using FPGA" in International Intellectual Convergence on Advances in Science and Engineering (IIASE'2017) organized by Aalim Muhammed Salegh College of Engineering, Avadi, Chennai on 03rd and 4th March, 2017

During this semester presented paper titled "Implementation of Differential Evolution Algorithm for MPPT of PV for Modular Multilevel Cascaded Inverter" in International Intellectual Convergence on Advances in Science and Engineering (IIASE'2017) organized by Aalim Muhammed Salegh College of Engineering, Avadi, Chennai on 03rd and 4th March, 2017

ACHIEVEMENT DETAILS

Received **Best Paper Award** for the paper titled "MATLAB Simulation of Modular Multilevel Inverter Based on Level-shifted PWM Technique" in 6th International conference on Science, Engineering and Technology (SET), organized by SELECT, VIT University, Vellore on May 7th, 2013