



## AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING

Nizara Educational Campus, Muthapudupet, Avadi IAF, Chennai – 600 055.

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### DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

<b>NAME &amp; INITIALS</b>	A.MOHANASUNDARAM	
<b>DESIGNATION</b>	ASSISTANT PROFESSOR	
<b>EDUCATIONAL QUALIFICATION</b>	M.E (PhD)	
<b>EXPERIENCE</b>	21 YEARS	
<b>DATE OF JOINING</b>	18.12.2003	
<b>EMAIL ID</b>	mohanasundaram.a@aalimec.ac.in	
<b>AREA OF SPECIALISATION</b>	POWER SYSTEM ENGINEERING	

### EDUCATIONAL QUALIFICATION

DEGREE	BRANCH / SPECIALIZATION	INSTITUTION	UNIVERSITY	YEAR
BE	ELECTRICAL AND ELECTRONICS ENGINEERING	BHARATH ENGINEERING COLLEGE CHENNAI-72	MADRAS	1996
ME	POWER SYSTEM ENGINEERING	COLLEGE OF ENGINEERING, GUINDY CHENNAI-25	ANNA UNIVERSITY	2008
PhD	HYBRID RENEWABLE ENERGY and DEMAND SIDE MANAGEMENT	COLLEGE OF ENGINEERING, GUINDY CHENNAI-25	ANNA UNIVERSITY	PURSUING

### FDP ATTENDED

Attended a short term course in CAD/CAM/CAE&CNC programming at Central Institute of plastics Engineering & technology (CIPET), Guindy from 7<sup>th</sup> December 1998 to – 3<sup>rd</sup> March 1999.

Attended FDP on Neural Networks and Fuzzy logic Control from 18<sup>th</sup>-30<sup>th</sup> June 2007 at College of Engineering, Anna University, Chennai-25.

Attended QIP on Internal Revenue Generation and Utilization in Engineering Institutions from 28<sup>th</sup>-30<sup>th</sup> July 2008 at National Institute of Technical Teacher Training & Research, Chennai-25 sponsored by MHRD, Govt of India.

Attended FDP on Teaching the Teachers on 12<sup>th</sup> December 2009 at Aalim Muhammed Salegh College of Engineering, Chennai-55.

Attended FDP on Miracle Makers on 13<sup>th</sup>-14<sup>th</sup> December 2010 at Aalim Muhammed Salegh College of Engineering, Chennai-55.

### WORKSHOPS ATTENDED

Attended Workshop on Emerging Trends in Electrical Electronics & computer science Engineering held on 25th October 2005 at Aalim Muhammed Salegh College of Engineering, Chennai-55

Attended Workshop on Recent Trends in Energy Engineering held on 17th February 2007 at Aalim Muhammed Salegh College of Engineering, Chennai-55

Attended Workshop on Computing, Conditioning & Controlling Techniques Applied to Electrical Engineering held on 9th February 2008 at Aalim Muhammed Salegh College of Engineering, Chennai-55.

Attended Workshop on Introduction to PLC programming & Interfacing with HMI held on 21th- 23th January 2010 at Aalim Muhammed Salegh College of Engineering, Chennai-55.

Attended AICTE Sponsored Two days National Workshop on Challenges and opportunities in Solar Photo voltaic- An Emerging Energy Research, from 19th-20th December 2013 held at RMK Engineering college.

### PUBLICATION DETAILS

A paper titled "Analysis and Design of a Giromill Type Vertical Axis Wind Turbine for a Low Wind Profile Urban Area" authored by A.Mohanasundarm, Dr P.valsalal accepted in the journal electrical engineering ISSN 1582-4594 on January 20, 2019.

A paper titled "Design of fuzzy controller for the optimum utilization of Hybrid wind-solar resources and analyzing the significance of source generation on Demand side management for domestic buildings " by A.Mohanasundarm, Dr P.valsalal communicated in the journal of IET Reneable Power Generation on 7th august 2019.

### CONFERENCE DETAILS

Attended a International conference IIASE-2017 and presented a paper titled Design and Implementation of DSM Toll to study the impact of fossil fuel fixed and variable cost effect on different consumers in MATLAB/SIMULINK Environment from 3rd- 4thMarch 2017 held at Aalim Muhammed Salegh College of Engineering, Chennai-55

Attended a International conference IIASE-2017 and presented a paper titled Design of T-shaped linear Induction Motor from 3rd- 4thMarch 2017 held at Aalim Muhammed Salegh College of Engineering, Chennai-55

Attended a International conference IIASE-2017 and presented a paper titled Home Automation Using IoT for the optimum utilization of Hybrid Renewable Energy 3rd- 4thMarch 2017 held at Aalim Muhammed Salegh College of Engineering, Chennai-55

### ACHIEVEMENT DETAILS

An Under Graduate project work titled “solar powered Air conditioner using BLDC motor” is funded by the Management of Aalim Muhammed Salegh college of Engineering, Chennai-55 short listed for the finals of “AICTE-ECI Chhatra Vishwakarma Awards 2017”organized by All India Council for Technical Education (AICTE), Ministry of Human Resource Development, Government of India. Registration Code: VAEE048.

Mentored a Hardware project model titled Solar Powered Smart Rail Crack Identification system participated in the HACKATHAON 2017 hardware edition and won all in India First Runner up prize and same is appreciated by Honorable chief minister of Tamil Nadu.

Obtained certificate of Distinction in teaching at Aalim Muhammed Salegh College of Engineering, Chennai-55 for producing more than 85% Results consistently in three academic years in teaching the subjects Electrical machines -1, Power system operation and control, power quality.

Participated as a supporting Electrical Engineer in the Guinness World Record 2018 achievement completed by Mr Nawas Akram in Longest Power strip held at Aalim Muhammed Salegh College of Engineering, Chennai-55.

Hosted a TV program named Ariviyal Arivoum regarding the project planning Mr Naushed Shaheb telecasted in Doordarshan Podhigai on 16<sup>th</sup> June2019.