




AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING

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

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

NAME & INITIALS	FATHIMA K	
DESIGNATION	ASSISTANT PROFESSOR	
EDUCATIONAL QUALIFICATION	B.E(ELECTRONICS AND COMMUNICATION ENGINEERING), M.E(EMBEDDED SYSTEM TECHNOLOGIES)	
EXPERIENCE	7.6 YEARS	
DATE OF JOINING	28/10/2022	
EMAIL ID	fathima.k@aalimec.ac.in	
AREA OF SPECIALISATION	EMBEDDED SYSTEM AND TECHNOLOGIES	

EDUCATIONAL QUALIFICATION

DEGREE	BRANCH / SPECIALIZATION	INSTITUTION	UNIVERSITY	YEAR
M.E	EMBEDDED SYSTEM TECHNOLOGIES	VEL TECH MULTI TECH ENGINEERING COLLEGE	ANNA UNIVERSITY	2011
B.E	ELECTRONICS AND COMMUNICATION ENGINEERING	KANCHI PALLAVAN ENGINEERING COLLEGE	ANNA UNIVERSITY	2008

PROFESSIONAL MEMBERSHIPS

MISTE MEMBER 115723 - The Indian Society for Technical Association
IAENG MEMBER 172453 - International Association of Engineers
SWIDC MEMBER14350 - Society of digital Information and Wireless Communication
IAOP-98904-International Association of outsourcing Professionals

NPTEL COURSES ATTENDED

FDP ATTENDED
Power system studies for renewable integration using PSSE, 2017
Smart Training Resources, 2014
Talent Sprint, 2013
Automotive Electrical and Electronics At MIT, 2013
Computer Networks, 2013

WORKSHOPS ATTENDED
Challenges of Integrating wind and solar systems into electric grid using information and communication technology, 2019
Small satellite technology and Applications, 2014
Controller for renewable Applications, 2013

SEMINARS/WEBINARS ATTENDED
Attended the Boot camp on INSTRAGRAM CLONE USING HTML AND CSS, 2022
Attended the Master class on Introduction for SQL Data Science, 2022
Participated in National Seminar on Intelligent Controllers Application to Power System, 2013

PUBLICATION DETAILS

1. Step-Up Converter for Load Variation Using Zero Voltage Switching, International Journal of Applied Engineering Research,2014
2. Wireless Sensor Network Based Surveillance System to Track Enemy Intrusion, International Journal of Engineering Science and Innovative Technology,2014
3. A Power System Stabilizer for Multi Machine-Based on HybridF0a-PSO, International Journal of Electrical and Computer Engineering, 2015
4. A Novel Method Of Utilizing Hybrid Generator As Renewable Source, International Journal Of Engineering And Technology 7(6):1972-1976
5. A Novel Battery Charging System Based on Signal, International Journal of Emerging Technology in Computer Science and Electronics,2016
6. A Quasi Z-Source four Switch Three Phase Sepic Inverter, International Journal of Emerging Technology in Computer Science and Electronics,2016
7. Methodology To Reduce Vampire Power Using Pic Microcontroller, ARPJ Journal of Engineering and Applied Sciences,2017
8. Reduced-Rating of A Dynamic Voltage Restorer with Battery Storage, Journal of Chemical and Pharmaceutical Sciences,2017
9. An Ipso Tuned MPPT Design for PV System Under Partially Shaded Condition, Journal of Chemical and Pharmaceutical Sciences,2017
10. Signal Frequency Acquisition System Using Multi brand Rf Harvester, Journal of Chemical and Pharmaceutical Sciences,2017
11. A Dc Distribution System Using Quasi Y Source Converter, Journal of Chemical and Pharmaceutical Sciences,2017
12. Distance Protection Scheme - Inter Circuit Faults on Double Circuit Transmission Line, Journal of Chemical and Pharmaceutical Sciences,2017
13. Thermoelectric Power Generation System by Using Teg Module, International Journal of Pure and Applied Mathematics,2018
14. WIFI Enabled System for Smart Electrical Appliances Using Mesh Topology, Journal of Adv Research in Dynamical & Control Systems,2018
15. Design And Analysis of a Sepic Converter for PV Applications, APRN Journal of Engineering and Applied Sciences

16. Zig Bee based monitoring system for electrical machines, international journal of emerging science and engineering,2013
17. Automatic meter reading system with power monitoring and load sharing, international journal of scientific and engineering research, 2014

CONFERENCE DETAILS
1. Cost effective wireless health monitoring system for induction motors, NCACT 2011
2. Implementation of open circuit voltage method to improve the efficiency of hybrid generators, NCRTE 2015
3. Improved PSO tuned MPPT design for PV System under partially shaded condition NCCETICB 2016 Soft switching convertors using high voltage gain in solar application, NCPES 2019
4. Using Efficient ZVS operation in Step up convertor with load variation, ICET 2014
5. Embedded system to control the boiler through Web Access, NCERT PPC 2015
6. A Quasi-based Z-source four switch three phase SEPIC inverter, International Conference on Recent Research in Engineering 2016
7. A Novel battery charging system based on signal frequency Acquisition, International Conference on Recent Research in Engineering 2016
8. Improved DC bus voltage regulation for a DC distribution system using quasi y source converter International Conference on Power and Embedded Drive Control, ICPEDC 2017
9. Control of Reduced rating of a dynamic voltage Restorer with battery storage, International Conference on Engineering Technology and Science 2017
10. A DC Distribution System using Quasi Y source converter, International Conference on Engineering Technology and Science 2017
11. WIFI Enabled system for smart electrical Appliances using Mesh Topology, International Conference on Modern Trends in Engineering and Research, 2018.
12. Implementation high voltage gain Triple port Asymmetrical DC-DC converter for power management Applications, International Conference on Modern Trends in Engineering and Research, 2018
13. Design and implementation of hybrid power production using Solar and Peltier Plate, International Conference on Emerging Trends in Engineering and technology, 2019.

14. Power recycling using positive feedback Adiabatic system, International Conference on Recent developments in Engineering management sciences and technology, 2019.

ACHIEVEMENT DETAILS
ACHIEVED 100% RESULT IN LINEAR INTEGRATED CIRCUITS IN ANNA UNIVERSITY SEMESTER EXAM DURING THE YEAR 2016
ACHIEVED 100% RESULT IN ENVIRONMENTAL SCIENCE AND ENGINEERING IN ANNA UNIVERSITY SEMESTER EXAM DURING THE YEAR 2015