

V.Umayal Muthu M.E.,(PhD)

Assistant Professor II/EEE

Velammal College of Engineering and Technology, Madurai

e-Mail Id:uma@vcet.ac.in

Educational Qualification:

| Name of the Degree | Specialization | Year of Passing | Name of the College | Name of the University | % of Marks / Grades obtained | Class obtained |
|---------------------------|--------------------------------------|------------------------|-------------------------------|-------------------------------|-------------------------------------|-----------------------|
| M.E. | Embedded System Technologies | 2007 | Arulmigu Kalasalingam college | Anna University | 79% | First Class |
| B.E | Electrical & Electronics Engineering | 2005 | PSR Engineering College | Anna University | 72% | First Class |

Experience in Years: 13 years 9 months

Employment History:

| Employer | Designation and Department | From | To | Experience in Years & Months |
|--|-----------------------------------|-------------|------------|---|
| Velammal College of Engineering and Technology | Assistant Professor-II/EEE | 16.12.2018 | Till date | 2 Years 3 months |
| Velammal Engineering College | Assistant Professor-II/EEE | 07.07.2008 | 15.12.2018 | 10 Years 6 months |
| Kalasalingam University | Lecturer/ EEE | 18.06.2007 | 31.05.2008 | 1 Year |

Interested Research Areas: Embedded systems & Smart Grid

Scholarships and Awards received:-

Funded Research Projects: -

Funding Agency:

Scheme:

Title:

Sanctioned Amount:

Year:

Principal Investigator(PI):

Co-PI:

Patent rights received:-

Publications Details:

1. Patent Journal Publication Details:-

2. International Journal Publication Details:3

- Published a Paper titled “Performance Improved Multi resonating Antenna Design for GSM / UMTS / LTE” in International Journal of Applied Engineering Research.
- Published a paper titled “Reactive Power Compensation with UPQC Allocations and Optimal Placement of Capacitors in Radial Distribution Systems using Firefly Algorithm” in International Journal of Control Theory and Applications.
- Published a paper titled “An Intelligent Transmission Line Fault Detection System based on Internet of Things” in International Journal for Research in Applied Science & Engineering Technology (IJRASET)

3. International Conference Presentation Details:10

- Presented a paper in " Implementation of a Voice Command Secured System Using Neural Network for Embedded Application” organized by SRM University on. 16 & 17th April 2009.
- Presented a paper in “An Approximate Subgrid Modeling from the implicit Large Eddy Simulation of Compressible Turbulence” – ACFD Analysis “organized by Kalasalingam University on 26 to 28th March 2009
- Presented a paper in " Modeling of Wind Energy Based SSSC for Voltage Stability Enhancement” organized by Karpagam College of Engineering on 13 to 14th February 2014
- Presented a paper in " Design of UPFC based Damping Controller using Neuro Fuzzy to enhance Multi-Machine Power System Stability ”organized by SRM University on 19-21May 2016
- Presented a paper in " Reactive Power Compensation with UPQC Allocations and Optimal Placement of Capacitors in Radial Distribution Systems using Firefly Algorithm ” organized by SRM University on 19-21May 2016
- Presented a paper in “Improved Trans-Z Source Inverter ” organized by VCET Madurai on 21-22 April 2017
- Presented a paper in “An Effective Office Climate Control Using Sensors Inverter ” organized by VCET Madurai on 21-22 April 2017
- Presented a paper in “Harmonic reduction in a single phase induction motor along with unity power factor correction using active power filter ” organized by VCE on2 & 3 February 2018
- Presented a paper in “State Estimation In Power System with FACTS Devices by Using Phasor Measurement Units ” organized by VCE on2 & 3 February 2018
- Presented a paper in “A Voltage Controlled DSTATCOM for Power Quality Improvement ” organized by VCE on2 & 3 February 2018

4. National Conference Presentation Details: 7

- Presented a paper in “Developing Board support package for free RTOS in AT91SAM9261EK” organized by Bannari Amman Institute of Technology on 25 & 26 April 2008
- Presented a paper in “Microcontroller Implementation of a Voice command secured system for Human – Machine Interface in Embedded System” organized by Bannari Amman Institute of Technology on 13th March 2008
- Presented a paper in “Digital Simulation using FACTS Devices for Reactive Power Compensation” organized by VEC on 18 & 19th February 2010
- Presented a paper in “Coordinated Design of UPFC to Damp Inter Area Oscillation Over Two Area System” organized by VEC on 20th April 2016
- Presented a paper in “State Estimation by Using PMU with FACTS Devices” organized by VEC on 20th April 2016
- Presented a paper in “Transmission Fault Management using Online Geographical Information System” organized by VEC on 20th April 2016
- Presented a paper in “Office Climate Control Using Different Type Of Sensors” organized by VEC on 31st March 2017

5. Google Scholar report: Cited by

| | All | Since 2016 |
|------------------|-----|------------|
| <u>Citations</u> | 3 | 3 |
| <u>h-index</u> | 1 | 1 |
| <u>i10-index</u> | 0 | 0 |