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Muhilan P

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Educational qualifications:

- **Master of Engineering in Power Electronics and Drives**
Periyar Maniammai University with **9.28 CGPA. (First Class with Distinction)**
- **Bachelor of Engineering in Electrical and Electronics Engineering**
Sudharshan Engineering College. (Anna University) with **70.55 %. (First Class)**
- **Higher Secondary** from St. Joseph's Higher Secondary School, Pudukkottai with **78.75 %.**

Professional experience: 13 Years and 7 Months of Experience

Present Employer : **Periyar Maniammai University, Thanjavur.**
Designation : **Assistant Professor / EEE**
Duration : **20-Aug-2010 till date (10 Years 7 Months)**

Past Employer : **Future Techniks Private Limited, Chennai.**
Designation : **Application Engineer (R & D)**
Duration : **07-Jul-2008 to 08-Jul-2010 (2 Years)**

Past Employer : **Chola Power Private Limited, Trichy.**
Designation : **Site Engineer (Electrical)**
Duration : **04-Jun-2007 to 31-Jun-2008 (1 Year)**

Projects Carried Out:

- Phone Card Vending Machine.
- Coin Change Machine.
- Coin Counting Machine.
- Note Counting Machine.
- Thermal Paper Ticket Vending Machine.

Responsibilities:

- Programming in Embedded C for PIC Microcontrollers.
- Service for All Vending Machines.
- Testing & Quality Checking.
- PCB Components Soldering.

Academic Responsibilities:

- Exam Representative.
- Student Counselor.
- Lab Manual in-charge.
- SEP Coordinator.
- Energy Audit.
- **Technical Officer (COE)** – Result Analysis & Result Publications, Grade Sheet Verification, Academic Schedule Preparation, Time Table, Convocation.

Subjects Handled:

- Basic Electrical and Electronics Engineering.
- Digital Logic Circuits.
- Electric Circuit Analysis.
- Electric Energy Generation Utilization and Conservation.
- Power Electronics.
- Power System Analysis.
- Power Converters.
- Solid State DC Drives.

Real Time Project implemented in PMIST:

- Real Time Implementation of University hour bell system ON-OFF control.(TB-I & PKC Block)
- Real Time Implementation of LED based Digital clock.

Papers Published in Journal:

Sl. No	Title of the Paper	Volume / Page No./ Date	Journal Name
01	Zero Current Switching of Resonant DC-DC Buck Converter	Vol 1. No.1 ISSN No: 0976-4119. on June 2011	PMU Journal of Engineering and Technology
02	A New Random PWM Technique for Conducted-EMI Mitigation on Cuk Converter	Vol 10. No.3 ISSN No:1975-0102 P-916-924. on June 2015	Journal of Electrical & Technology

Paper Presented in National Conferences:

Sl.No	Title	Date	Venue	International/ National
01	Smart Hydrogen Fuel Cell – An Alternative Renewable Source	05-11-2011	Jayaram College of Engineering and Technology, Trichy.	National (Paper Presented)
02	Smart Grid Technology	12-04-2012	Arasu Engineering College, Kumbakonam.	National (Paper Presented)
03	PWM Based Charge Controller For Solar Batteries	04-03-2013	Arasu Engineering College, Kumbakonam.	National (Paper Presented)
04	A Novel Virtual Platform For ARM Based Embedded System Design	21-03-2013	Angel College of Engineering and Technology, Tirupur.	National (Paper Presented)

Seminars & Training Attended:

Sl. No	Title	Organization Where Attended	Date
01	Emerging Trends And Techniques in Power Systems.	Periyar Maniammai University	08-10-2011
02	Advanced Wireless Technologies	Periyar Maniammai University	04-04-2012 To 05-04-2012
03	Enhanced Control Pertaining Electronics in Smart Grid	Periyar Maniammai University	09-12-2012 To 10-12-2012
04	Emerging Technologies for Sustainable Renewable Energy and Environment	Periyar Maniammai University	20-04-2013
05	Power Electronics, Power System And Renewable Energy-Design Modelling And Simulation Using PSIM	Coimbatore Institute of Technology, Coimbatore.	09-09-2013 To 10-09-2013
06	Recent Trends in Power Quality Management	Periyar Maniammai University	12-10-2013

Workshop Attended:

Sl. No	Title	Organization Where Attended	Date
01	Security Assessment & Enhancement Using FACTS Devices	Jayaram College of Engineering and Technology, Trichy.	22-02-2013
02	Signals and Systems	Indian Institute of Technology, Kharagapur.	18-06-2013 To 27-06-2013
03	Latex Software Training Programme.	Periyar Maniammai University	27-07-2013
04	Electrical Fire Safety and Protection	Periyar Maniammai University	12-11-2013
05	Analog Electronics	Indian Institute of Technology, Kharagapur.	04-12-2013 To 14-12-2013
06	Control Systems	Indian Institute of Technology, Kharagapur.	02-12-2014 To 12-12-2014
07	Beyond Syllabus	Periyar Maniammai University	16-05-2015
08	How to Bringout Creativity and Innovations from Students	Periyar Maniammai University	16-12-2015
09	Solutions for Challenges in Doing Research	Periyar Maniammai University	19-02-2016
10	Quantumwise Atomistix Tool Kit With Virtual Nano Lab	Periyar Maniammai University	October 2016 (7 Days)

Event Organized:

Sl. No	Programme	Title	Date	Responsibilities
01	Symposium	Two Day National Level Technical Symposium ENERGEEE-14	03-04-2014 To 04-04-2014	Co-convener
02	+2 Students Awareness programme	Kalvi Vazhikattuthal Nigazhchi	04-04-2014	Co-convener
03	Workshop	Fifteen Days Hands on Training IPT-14	10-06-2014 To 24-06-2014	Coordinator
04	Training	Soldering Desoldering Practice for Final Year Students(3 Days)	10-11-2014 To 12-11-2014	Coordinator

Software exposure:

Operating systems : Windows XP.
Office suite : MS-Office
Languages : Embedded C (MP Lab IDE, PIC C Environment)