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ACADEMIC BACKGROUND:

QUALIFICATION	INSTITUTION	BOARD/ UNIVERSITY	YEAR OF PASSING	MARKS
M.E (Communication Systems)	Sona College of Technology, Salem	Anna University	2009	8.51 (CGPA) (Distinction)
B.E (Electronics & Communication Engineering)	Mahendra Engineering College, Namakkal (Dt)	Anna University	2006	76% (Distinction)
HSC (Maths-Biology)	Govt. Girls Higher Secondary School, Salem	State Board	2002	80.33%
SSLC	Govt. Girls Higher Secondary School, Salem	State Board	2000	84%

PROFESSIONAL EXPERIENCE:

Total Experience in Teaching – 9.8 Years

Sl.No.	Designation	Institution	Duration	
			From	To
1.	Assistant Professor	Dhirajlal Gandhi College of Technology, Salem	26.12.2013	Till date
2.	Assistant Professor	Mahendra Institute of Technology,Namakkal (Dt)	30.06.2008	22.11.2013
	Lecturer	Selvam College of Technology, Namakkal	25.08.2006	31.08.2007

TECHNICAL SKILLS:

Language: C.
Package / Software: MATLAB 7.0, PSPICE, LabVIEW, TI MSP 430

PROJECT WORK DETAIL:

Major Project – M.E

Name	:	**Image Enhancement by Scaling the DCT Coefficients.**
Synopsis	:	New technique for Image enhancement in the compressed domain.
Implementation :		IMAGE enhancement is required mostly for better visualization or rendering of images to aid our visual perception. These methods are designed on the principle of amplifying the local intensity or color variations within an image to increase the visibility of texture.

Major Project – B.E

Name	:	**Industrial Monitoring and Fault Detection**
Synopsis	:	To detect any fault that occurs in the thread overflow in textile, temperature control, theft detection.
Implementation :		Used to keep track of the materials in the industry. This was hailed and approved by my college principal and professors and now it is used to keep track of students when they come to the Electronics lab.

Mini Project – B.E

Name	:	**Water Level Indicator**
Synopsis	:	Designed using Timer and ICs. When the level of water exceeded the particular limit it produced a musical sound.
Implementation :		Used to indicate the level of water in a tank.

AREA OF INTEREST:

- Electromagnetics
- Signals and Systems
- Signal and Image Processing
- RF and Microwave Engineering

SUBJECTS HANDLED:

- **Theory Subjects:-**
  UG : Circuit Theory, Electromagnetic Fields, Electric Circuits and Electron Devices, Signals & Systems, , Digital Signal Processing, Transmission Lines & Waveguides, Microwave Engineering, RF & Microwave Engineering, Telecommunication Switching Networks, Electronic circuits – I, Electronic Circuits – II, Microprocessors & applications, Microprocessors & Microcontrollers, Antenna & Wave Propagation, Disaster Management,
  PG : Advanced digital Communication Techniques, Microwave Integrated Circuits, Advance Signal Processing, Electromagnetic Interference and Compatibility.
- **Practical Subjects: -** Electronic System Design, Analog & Digital Communication, Digital Signal Processing, Electronic circuits – I & Simulation, Electronics circuits–II & Simulation, Digital electronics, Project Work

PROFESSIONAL CONTRIBUTION:

- Worked as a Placement Coordinator and conducted placement training like Aptitude, Technical Quiz and Group Discussion.
- Play a lead role in all the departmental activities.
- Worked as a Project Coordinator for both UG and PG Programmes.
- Guiding the UG and PG students in their project works and present their works in the national conferences and technical exhibitions.
- Motivating and guiding the students to present papers in inter-college and intra-college symposiums.
- Coordinated events like Conference, Symposium, Workshop and Seminars.
- Working as an Exam Coordinator.
- Electronic System Design Lab Incharg
- Value Added Course Coordinator for TI Embedded System Design
- Module Coordinator for Electromagnetics
- Engineers Day Project Co-ordinator - Executed 50 Projects
- NBA File Maintenance
- Department Advisory Board - NBA
- Women's Day - Jury for Face Painting
- National Conference - Proceeding Committee Head
- Engineers Day - Jury for ECE Models

PROGRAMMES ORGANIZED:

- Organized cultural activities and acted as an Event Coordinator in Women's day and Annual day celebrations.
- Coordinated a National Conference on **"Emerging Trends in Electrical, Electronics and Communication Engineering (NCEECE-2010)"** at Mahendra Institute of Technology on 16th April 2010.
- Organized one day workshop on **"Introduction to MATLAB" in association with** ECE Association of NIT, Trichy on 11.01.2015.
- Organized **Texas Instruments associated with steps knowledge solution hands on training program on "Texas Instrument WEBENCH"** on 22.06.2015.

WORKSHOP / SEMINARS ATTENDED:

- Workshop on **"Artificial Neural Networks"** at Sengunthar Engineering College, Tiruchengode on 2nd Sep 2008.
- Workshop on "**Current Trend in Test & Measurement MPLS solutions**" at PSG College of Technology on 26th and 27th March 2009.
- Workshop on **"Virtual Instrumentation"** at Vivekanandha College of Engineering on 17th and 18th December 2008.
- Faculty Training Program on **"DSP Design using NI Lab View"** at Anna University, Coimbatore.
- Seminar on **"Agilent Measurement** at Chennai on 14th September 2009.
- Workshop on **"MathCAD"** conducted by Paradigm Infotech on 20th February 2010.
- Workshop on **"Research Methodologies in Digital Image Processing"** at Coimbatore Institute of Technology on 4th and 5th February 2011.

- Workshop on **"Miracles with C" – The Mysteries of C Programming** at Sri Eshwar College of Engineering on 17th August 2012.
- Workshop on **"Mind Without Fear"** organized by the Centre for University – Industry Collaboration, Anna University, Chennai on 08th September 2012.
- Workshop on "**NPTEL Awareness Programme"** at Mahendra Engineering College on 27th October 2012.
- Seminar on **"Agilent India EESOF – User Group Meeting 2012"**at Chennai on 7th December 2012.
- Seminar on MATLAB and Simulink Academic Tour 2015 - Chennai
- Two days Workshop on **" Embedded System Design using MSP 430 and Analog System Design"** at Dhirajlal Gandhi College of Technology.
- International Workshop on "**Parallel Computing"** at VIT Chennai on 11th December 2014.
- Seminar on "**OrCAD PSPICE PCB"** at PSG College of Technology on 24th June 2015.
- Workshop on "**Paper Writing and Proposal Writing**" at IITM Research park on 12th September 2015.
- One day Seminar on "**Electromagnetics"** conducted by EEE dept. at DGCT
- Guest Lecture on **"Signals and Systems"** by Dr.Gunavathy at DGCT
- Faculty **Mind tuning program** conducted by Dr.Radhakrishnan at DGCT
- FDP on **"IoT Antenna Design using HFSS Software "**at KCG College of Technology, Chennai on 29th and 30th November 2016.
- One day workshop on "**Preparation of Research proposal and funding projects**" at Mahendra Engineering College on 14th December 2016.
- Guest Lecture on **" Developing Self awareness – Fulfill your Potential", "Integrated approach to realization of projects – Some Interesting Experiences" and "Entrepreneurship"** at Dhirajlal Gandhi College of Technology on 5th January 2017.

PAPER PUBLISHED IN NATIONAL / INTERNATIONAL CONFERENCES:

- Participated in **"RETEEICOM'09"**, a National Conference at Mahendra Engineering College on 24th April 2009.
- Participated in **"NCEECE-2010"** a National Conference at Mahendra Institute of Technology on 16th April 2010.
- Paper presented entitled "**Intelligent Interactive System for Energy Consumption Using Collaborative Green Computing**" in "**XETA-2013**" a National Conference at Jayam College of Engineering & Technology on 19th April 2013.
- Presented paper in the National conference on **"Wireless Communication & Embedded System Design"** (NCWCE-2014) at Jayalakshmi Institute of Technology on 28th February 2014.
- Presented paper in the National conference on National Conference on "**Engineering Applications for Developing Smart Cities (NCEADS)"** at Dhirajlal Gandhi College of Technology on 30th March 2015
- Participated in **"RETEEICOM'15"**, a National Conference at Mahendra Engineering College on 18th April 2015.
- Presented Two papers in the "National Conference on "**Emerging Trends in Communication Systems"** at Dhirajlal Gandhi College of Technology on 2nd April 2016.

PAPER PUBLISHED IN INTERNATIONAL JOURNAL(ANNEXURE II)

- Sridevi, S. & Nirmaladevi, S. (2015). **Binary Connectedness based ANT Algorithm for Ultrasound Image Edge Detection. Indian Journal of Science and Technology, 8(12).**

FACULTY DEVELOPMENT PROGRAMME ATTENDED:

- Participated in Wipro Mission 10x Faculty Development Programme on **"High Impact Teaching Skills"** at Mahendra Engineering College from 11.10.2010 to 15.10.2013.
- Participated in second level Wipro Mission 10x Faculty Development Programme on **"Teaching and Learning"** at Mahendra Engineering College from 06.01.2011 to 07.01.2011.
- Participated in Faculty Development Programme on **"Optical Communication and Networks"** at Dhirajlal Gandhi College of Technology from 13.06.2014 to 29.06.2014.
- Participated in **Pedagogy Training Programme** at Dhirajlal Gandhi College of Technology.
- Faculty Development Programme on **"Skills Development and Innovative Teaching "** at Dhirajlal Gandhi College of Technology.
- Attended two days training programme on **MSP430 programming** at Steps Knowledge Solutions, Coimbatore.
- Three days FDP on "Demystifying Electronic System Design" at DGCT

GUEST LECTURES GIVEN AND VALUE ADDED PROGRAMMES CONDUCTED:

- Conducted value added course on **"Embedded system design using MSP430".**
- Guest Lecture given on the Topic "**Magnetic Fields and EM Waves"** for the department of EEE at Dhirajlal Gandhi College of Technology.
- Guest Lecture given on the Topic "**Digital communication techniques"** for the department of CSE at Dhirajlal Gandhi College of Technology.
- Conducted Workshop on **" TI Embedded System Design"** at Dhirajlal Gandhi College of Technology.

ACHIEVEMENTS:

- Awarded Second Rank in College level for PG degree.
- Produced 100% result in the subjects Electromagnetic Fields, Disaster Management & Microwave Engineering and above 90% result in the following subjects Microprocessors & applications, Microprocessors & Microcontrollers, Transmission Lines & Waveguides, RF and Microwave Engineering, Signals and Systems, Circuit Theory, Electronics Circuits – I, Electronics Circuits – II, Telecommunication Switching Networks.
- Awarded Second level Certificate (Mission10X Certificate in Teaching and Learning) by Wipro for implementing innovative Teaching methodology in classes.
- Guinness World Record Holder – One of the participant in creating the World's Largest Painting made by Footprints for 1200 m^2, 30th March 2011.
- Received "Best Volunteer" Award in NSS during the year 2003 – 2004.
- Won prizes in inter – college competition.

MEMBERSHIP IN PROFESSIONAL SOCIETIES:

- Life time member in ISTE

- Member in International Association of Engineers (IAENG)