

## FACU FACULTY PROFILE

**Name: Dr.M.Thamarai**

**Designation:Professor**

**Qualification:B.E.,M.E.,Ph.D.**

**Date of birth: 26.05.1970**

**Experience: 30**

**Years**

**Teaching: 23 yrs 2 months**

**Industrial:6 Yrs 10 months**



**Area of Specialization: Digital Image Processing**

**Date of joining: 2.07.2018**

**Research Interests:** Signal processing, Video coding, optimization techniques, VLSI Implementation of Image processing algorithms, Underwater image processing, Multispectral image processing, Machine Learning and Deep Learning

**Address for Communication:**

Permanent Address:No.5,Kannan Nagar, Sivalingapuram, Ondipudur, Coimbatore-641016,Tamil Nadu.

Present Address:Flat. No.212B, Muralidhar Park, Near RTC Bustand,, Tadepalligudem, Andhra Pradesh.

**Email:**mthamarai2014@gmail.com, mthamarai2022@gmail.com

**Mobile No:9443944575**

**Academic Degree:(From highest)**

Degree	School/College	Board/University	Year of Pass
Ph.D	Government college of Technology,Coimbatore	Anna University	2014
M.E.	Maharaja Engineering College	Anna University	2004
B.E.	Kongu Engineering College, Erode	Bharathiar University	1992

**Experience particulars:(latest first)**

College/University	Designation	Duration
Sri Vasavi Engineering college	Professor	2.7.2018 onwards
Malla Reddy college of Engineering,Secundrabad	Professor	1 Year
Madanaplle Institute of technology&Science	Professor	2 yrs

Karpagam college of Engineering	Associate Professor and Professor	10 yrs
Tamilnadu college of Engineering	Asst.Professor	1 yrs 6 months
Maharaja Engineering college	Asst.Professor	2 yrs
Nanjappa Institute of Technology	Lecturer	6 months
Suguna Polytechnic College	Lecturer	1 yr 6 months
Industry		
Alacrity Associates,Coimbatore	Quality controller-Manager	6 yrs 10 months

### **Administration:**

At SVEC:

- College SPOC for APSSDC Skill development center
- Autonomous Result Committee member
- Department R&D Co-ordinator
- NBA Criteria -7 Co-ordinator
- Department Skill oriented course co ordinator

### **At Previous colleges:**

- Worked as Dean Academics at Malla Reddy college of Engineering
- Worked as a HoD at Karpagam college of Engineering and Madanapalle Institute of Technology.
- Worked as NBA , NAAC Co ordinator and Autonomous co ordinator.
- Member of Performance Based Faculty Appraisal System at Madanapalle Institute of Technology.
- Worked as NIRF CO ORDINATOR at MITS.
- Worked as Board of studies –ECE chairman at Karpagam college of Engineering.
- Acted as college timetable co ordinator.
- Acted as IEEE Student branch counselor at Karpagam college of Engineering

### **Papers Published in referred Journals:38**

**National: 3**

**International:35**

### **Papers presented in Conferences:**

**National: 9**

**International:13**

### **Keynote address/Guest Lectures delivered:7**

- Presented an invited talk on Smart drainage system for Mosquito control in the international conference ESDA2023 organized by ACT in December 2023
- Presented an invited talk on Privacy preserving deep learning computation techniques for Healthcare Applications in the international conference CCSN 2023 organized by ACT in October 2023.
- Presented an invited talk on A role of Deep Learning in Communication technology in the international conference conducted by St.Martin Engineering College, Secundrabad in 2020
- Presented a lecture on Wavelets and multi resolution analysis in an FEP held at SVEC.
- Presented a special lecture on BJT Biasing techniques and amplifier design in an FDP on Analog Electronics conducted at Malla Reddy college of Engineering in July 2017.
- Acted as resource person and presented a lecture on Digital circuits- layout design in an FDP on VLSI Design conducted at Madanapalle Institute of Technology, Chittoor.

- Presented a lecture on Video compression and Image Fusion (as a resource person) in the Digital Image Processing FDP conducted at GCT Coimbatore in the year 2010 and 2011.
- Presented a Key note speech on Optimization techniques in Digital Image processing at Karpagam college of Engineering in the national level conference.

**No. of Workshops / Seminars/FDPs Conducted:43**

**No. of Workshops / Seminars/FDPs Participated: 35**

**NPTEL Course completed: 4**

**No. of projects guided/guiding:**

**UG: 40**

**PG: 18**

**No. of Ph.D's guided/guiding: 1**

**Memberships in Professional Societies:**

- Member in **ISTE**
- Member in International Association of Engineers
- Member in IRED-Institute of Research Engineers and Doctors
- Member in ISRD – International Society for Research and Development
- Member in WASRTI – World Association for Scientific Research & Technical Innovation

**Achievements:**

- Acts as reviewer for MAT journal-Circuits and systems
- Acted as a lead guest editor for the special issue titled “Computational Intelligent in Digital Image Processing” in the Science PG Publications journal, ScienceJournal of Circuits and Systems and Signal processing.
- Acts as a Editorial member of the International Journal of Intelligent Information Systems.
- Acts as a Editorial member of Journal of Electrical and Electronic Engineering.
- Organized 6 international conferences and 6 National conferences

**Book chapter published**

1. M.Thamarai and Dr.R.Shanmugalakshmi “Swarm Intelligence in video coding” for a Book titled as “Advances in Video coding”, INTECH Open Access Publisher ISBN 978-953- 307-181-7, ([www.intechweb.org](http://www.intechweb.org)) on July 2011 .

**Awards received**

“Best Academician award” received from Combined Society for Educational Research and Development, Dehradun, Dated on 10.03.2018.

Best Senior Researcher award

**Patent grant received:3**

**Patents Published: 5**

**Research grants received:**

Received Rs.32,00,000 Research project grant from DST ,SEED ,Govt.of India.  
 Received 50,000/- grant from AICTE for organizing National level conference at SVEC  
 Received Rs. 80,000/- AICTE GRANT for seminar on Neural networks at Karpagam

college of Engineering.

Received AICTE GRANT Rs 25 lakhs UNDER Modrop scheme for Microwave lab.

Received Rs.50,000/- as seed money for the project titled as Smart Tube light system,” from MITS, Madanapalle in the year 2016.

**Research Proposals submitted:1**

Project proposal titled, NaviSight: Smart Navigation Assistant for the Visually Impaired".

.  
Google Scholar link: <https://scholar.google.com/citations?user=GuimCd8AAAAJ&hl=en>

ORCID ID : 0000-0001-6322-8561

SCOPUS ID : 36094942600

PUBLONS ID : U-9631-2017