

M.SAKTHIVEL M.E  
Assistant Professor ECE  
Velammal College of Engineering and Technology, Madurai  
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**Educational Qualification:**

S.No	Name of the Degree	Institution	Area of Specialization	Year Of passing	Class Obtained
1	PG	Anna University Regional centre Madurai	VLSI	2013	First Class
2	UG	Arulmigu Kalasalingam College of Engg Krishnankoil	Electronics & Communication Engg.	2001	First Class
3	Diploma	V.S.V.N. Poly College, Virudhunagar	Computer Technology	1998	First Class with Honors

**Experience in Years:**

15 years 6months

**Employment History:**

S.No	Name of the College/Industry	Designation	Period		Year of Service
			From	To	
1	Velammal College of Engg and Technology, Madurai	Assistant Professor	03-06-13	Till date	9 years
2.	Pandian Saraswathi Yadav Engg. College, Sivangai	Assistant Professor	20-02-09	13-05-13	4 years 2 months
3.	KLN Polytechnic college, Madurai	Lecturer	19-05-03	30-09-05	2 years 4 months
	Total Experience				15 years 6months

### Industry Experience

Name of the Organisation	Designation	Nature of Work	Joining Date	Relieving Date	Years
MIT Kovilpatti	Business Analyst	Software Analysis	02-01-06	20-07-08	2 Years 6 months
Egrove Systems Corporation	Business Analyst	Software Analysis	27-07-08	23-12-08	6 months
Total Experience					3 years 2 months

### Interested Research Areas

- VLSI

### Scholarships and Awards received:

S.No	Contribution
1	Outstanding Supervisor Award – Innovate FPGA FPGA Global design contest 2021 Semi Finalist
2	Guided students for Innovate FPGA Global design contest 2018 – Participation
3	Guided students for Tensilica Xtensa Embedded DSP Design Contest 2016
4	Guided student ‘Swaathi Rameshwar’ for the final round in The Wolf of ChalkStreet

### Funded Research Projects:

- NCVT department coordinator
  - Fund generated for 2014-2015(Odd sem) : Rs. 81,000
  - Fund generated for 2014-2015(Even sem) : Rs. 1,25,400

**FDP/STTP/Workshop attended:**

S.No.	Title	Duration	Organized by
1.	Advanced Pedagogy Using Smart Tools	21.01.2022 to 28.01.2022	K.L.N College of Engineering
2.	Modern technologies for teaching	31.01.2022 to 05.02.2022	P.S.R. Engineering College
3.	Computer Programming using Python	21.02.2022 to 25.02.2022	NITTTR-Chandigarh
4.	Machine Learning Applications to Internet of Things- Series III	01.03.2021 to 06.03.2021	Velammal College of Engineering and Technology, Madurai
5.	Machine Learning Applications to Internet of Things- Series II	01.02.2021 to 06.02.2021	Velammal College of Engineering and Technology, Madurai
6.	Machine Learning Applications to Internet of Things- Series I	04.01.2021 to 09.01.2021	Velammal College of Engineering and Technology, Madurai
7.	Embedded System Design Methodologies using Intel FPGA	15.12.2021 to 17.12.2021	VCET – Intel Tech.
8.	Pedagogical initiatives in Outcome Based Education	18.06.2018 to 23.06.2018	Kamaraj College of Engineering and Technology
	C# and ADO.NET Programming	26.12.2016 to 27.12.2016	ICT ACADEMY
9.	VLSI Design FDP	1.12.2015 to 8.12.2015	National Engineering College

**Publications Details:****1. Patent Journal Publication Details: Nil****2. International Journal Publication Details:**

S.No.	Name of the journal	Title	Year
1.	Journal of Xidian University	An Intelligent Algorithm for Information Extraction from Images of Different Illumination	2021

2	International Journal of Research in Science and Engineering (IJRISE)	Effective Concurrent BIST Architecture with LOC-LOS for Pattern Observation in Memory devices	2015
3	International Journal of Applied Engineering Research	Performance Comparison of EG-LDPC codes with Maximum Likelihood Algorithm over Non-Binary LDPC codes	2014

### 3. International Conference Presentation Details:

S.No.	Name of the conference	Title of the paper
1.	International conference on Emerging Trends in Engineering and Technology (ICETET2022)	Credit Card Fraud Detection
2.	International conference on Power Engineering (POWERCOIN 2020)	Detection of Obstructive Sleep Apnea(OSA) using SVM Classification
3.	International conference on Power Engineering (POWERCOIN 2020)	Smart Home Control System using Brainwave
4.	International conference on Emerging Trends in Engineering and Technology (ICETET2019)	IOT Based integrated system for flood alert
5	International conference on Emerging Trends in Engineering and Technology (ICETET2019)	ANN Controlled PWM Technique in Solar Photovoltaic Sonversion System
6	International conference on Emerging Trends in Engineering and Technology (ICETET2018)	VANET Enabled Cooperative Driving for Accident Avoidance
7	Springer International Conference on Soft Computing Systems, ICSCS-2018	Design and development of laplacian pyramid combined with bilateral filtering based image denoising
8	International conference on Design and Application of Structures, Drives, Communicational and Computing Systems (ICDASDC -2015)	Detection of fault by observing patterns in memory devices using a concurrent BIST scheme
9	International conference On Recent Innovations in Engineering and Technology (ICRIET '15)	Detection of fault by observing patterns in memory devices using a concurrent BIST scheme
10	International conference in Applied Engineering and Technology (ICAET 2015)	Fault Detection by monitoring patterns in memory devices

### 4. National Conference Presentation Details:

### 5. Google Scholar report:



**SAKTHIVEL M ECE1331**

Unknown affiliation  
 Verified email at vcet.ac.in  
 VLSI

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No co-authors

- | <input type="checkbox"/> | TITLE  | CITED BY | YEAR |
|--------------------------|--|----------|------|
| <input type="checkbox"/> | <b>Design and Development of Laplacian Pyramid Combined with Bilateral Filtering Based Image Denoising</b><br>P Karthikeyan, S Vasuki, K Karthik, M Sakthivel<br>International Conference on Soft Computing Systems, 211-221 |          | 2018 |
| <input type="checkbox"/> | <b>PERFORMANCE COMPARISON OF EG-LDPC CODES WITH MAXIMUM LIKELIHOOD ALGORITHM OVER NON-BINARY LDPC CODES</b><br>M Sakthivel, MK Raja, KR Ragupathy, KS Kumar  |          |      |

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### 6. Book publication details:

S.No.	Title	Publications	Year of publication
1.	Book chapter on “Design and development of laplacian pyramid combined with bilateral filtering based image denoising”	Soft Computing Systems “Springer Nature Private Limited”	2018