Dr.S.Senthil Kumar , B.E,M.Tech,Ph.D
Associate Professor / Department of Computer Science and Engineering
Velammal College of Engineering and Technology, Madurai
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Blog Address:

Educational Qualification:

No	Degree	Branch / Specialization	Name of the College / University	Year of Passing
1.	Ph.D	Information and Communication Engineering	Anna University	2020
2.	M.Tech	Computer & Inormation Technology	Manonmaniam Sundaranar University	2009
3.	B.E	Computer Science and Engineering	National College of Engineering / Manonmaniam Sundaranar University	1999

➢ **SUPERVISOR RECOGNITION (ANNA UNIVERSITY):   4140072**

Experience in Years: 16+

Employment History:

S. No	Designation	Name of the Institution	Duration	Experience (In years)
1	Associate Professor	Velammal College of Engineering and Technology, Madurai	03.06.2024 to Till	-
2	Associate Professor	Sethu Institute of Technology, Kariapatti	12.09.2022 to 20.11.2023	1 Y 2 M
3	Associate Professor	C R Engineering College, Madurai	06-05-2015 to 30-06-2017	2 Y 1 M
4	Assistant Professor	K.L.N. College of Information Technology, Pottapalayam	01-07-2010 to 30-04-2015	4 Y 10 M
5	Lecturer		14-08-2009 to 30-06-2010	10 M
6	Lecturer	Mannar Thirumalai Naicker College, Madurai.	17-06-2002 to 17-04-2007	4 Y 10 M
7	Lecturer	Madurai Institute of Social Sciences, Madurai.	Nov 1999- May 2002	2 Y 5 M
Total				**16 Years 2 M**

Interested Research Areas: Cognitive Radio Networks, Image Processing, Machine Learning, Data Analytics , IoT

Publications Details:

1. **Patent Journal Publication Details:**

   a. Implementation of Artificial Intelligence and Block chain Integrated Billing Architecture for Charging of Electric Vehicles - **The Patent Office Journal No. 08/2023 dated 24/02/2023.**

   b. The Internet Of Things With Artificial Intelligence Based Approaches For Sustainable And Smart Cities - **The Patent Office Journal No. 04/2023 Dated 27/01/2023.**

   c. Intelligent Fabric Damage System for Auto looms Using Computer Vision and Machine Learning Algorithm - **The Patent Office Journal No. 51/2023 Dated 22/12/2023.**

2. **International Journal Publication Details:**

   1. Hidden Markov Model based Channel Selection Framework for Cognitive Radio Network -**Computers and Electrical Engineering (ELSEVIER)**

   2. Beamforming - based Feature Extraction and RVM-based Method for Attacker Node Classification in CRN - **International Journal of Communication Systems (WILEY)**

   3. IDsMA: An Integrated Digital Signature and Mutual Authentication Mechanism for Securing the Cognitive Radio Networks - **International Journal of Communication Systems (WILEY)**

   4. A Review of Channel Estimation and Security Techniques for CRNs, Vol.50, No.3, 2016 - **Journal AC & CS (Automatic Control and Computer Sciences)**

   5. Segmentation of Medical Images with Adaptable Multifunctional Discretization Bayesian Neural Networks and Gaussian Operations – **International Journal of Electrical and Computer Engineering Systems (IJECES.14.4.2) 2023.**

   6. Developing a Convolutional Neural Model for Segmentation of Medical Images – **https://ieeexplore.ieee.org/document/10434096**

3. International Conference Presentation Details:

1. Fuzzy Optimal Threshold for Cervical Images **– International Conference on Advanced Computing Technology (ICTACT 2012) – J.K.K.Nattraja College of Engineering and Technology.**

2.Analysis of Gradient Textural Features for Cervical Cancer Cell Straging – **International Conferrence on Design and Application of Structures, Drives, Communications and Computing Systems – K.L.N. College of Information Technology.**

4. National Conference Presentation Details:

1. A Comparative Analysis on Text Mining and Data Mining Approaches **– Emerging Trends in Computre Engineering and Technology (ETCET'2012) – Sri Vidya College of Engineering and Technology.**

2. Dactylography with Artificial Intelligence – **Advancesin Computer Engineering and Infornation Technology (NCACEIT'2011) – Mohamed Sathak Engineering College**.

3.Segmenting Cervical Cyto Images using Double Fuzzy Threshold Values – **Information Science and Security (NISS'2010) – Jeppiaar Engineering College.**

BOOK PUBLISHED:

1. Problem Solving and PYTHON Programming – Trueline Publisher (ISBN : 978-93-91977-77-1)

2. Book Chapter : Convergence of AI & Blockchain in finance and Governance

   Book Title : Applications of Blockchain and Artificial Intelligence in Finance Governance

5. Google Scholar Report: