

**Dr.T.Thenmozhi.,B.Tech.,M.Tech.,Ph.D.,**

Assistant Professor I

Department of Artificial Intelligence and Data Science

Velammal College of Engineering and Technology, Madurai

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Blog Address:

**Educational Qualification:**

Degree Obtained	Year	University/Institute	Any other details
Ph.D – Control & Instrumentation	2023	Anna University, Chennai	Highly Recommended
M.Tech.,- Control & Instrumentation	2014	Anna University, Chennai/Thiagarajar College of Engineering, Madurai	First Class with Distinction
B.Tech.,-Electronics &Instrumentation	2008	Anna University, Chennai/Thiagarajar College of Engineering, Madurai	First Class with Distinction

**Experience in Years: 3.6 years( Industrial Experience)****Employment History:**

Position Held	Employer	Date/s (From-To)
Assistant Professor I, Department of Artificial Intelligence and Data Science	Velammal College of Engineering and Technology, Madurai	03.06.2024 to till date
Full Time Researcher	Thiagarajar College of Engineering, Madurai	09.07.2018 - 17.05.2023
Systems Engineer (Mainframe)	Tata Consultancy Services (TCS),Chennai	04.08.2008 – 03.02.2012

**Interested Research Areas:** Digital Signal Processing, Machine Learning, Deep Learning, Artificial Intelligence, Biomedical Instrumentation**Scholarships and Awards received:**

1. Worked as a Lab Teaching Assiatant and Received TEQIP scholarship during M.Tech period(2013-2014)
2. Received TEQIP scholarship for 15 months during Ph.D research period
3. Received **28** citations with H-index-2 for my research works
4. Completed Certified Courses on MATLAB ONRAMP, Deep Learning ONRAMP, MATLAB programming techniques.
5. Act as Reviewer in Elseiver “Expert Systems with Applications” Journal.

6. Member in research gate with Research interest score as 14.0.

**Funded Research Projects: Nil**

**Patent rights received: Nil**

**Publications Details:** (will be either in Table (or) Paragraph starting with latest publication)

**1. Patent Journal Publication Details:** -

**2. International Journal Publication Details:**

1. **Thenmozhi, T** & Helen, R 2022, 'Feature selection using extreme gradient boosting bayesian optimization to upgrade the classification performance of motor imagery signals for BCI', Journal of Neuroscience Methods, Elsevier, vol. 366, ISSN: 109425, Impact Factor: 3.0(Annexure-1,Q2 journal )

**3. International Conference Presentation Details:**

1. **T.Thenmozhi**, Dr.R.Helen ,”An Improved Approach for Extracting Features and Classifying Motor Imagery EEG Signals through Machine Learning” International Conference on Automation, Signal Processing, Instrumentation and Control-iCASIC-2020.
2. Helen. R, Karthika. P, Selvakumar. R and **Thenmozhi. T**, "Smart bin and intelligent waste segregator using IoT," 2022 4th International Conference on Smart Systems and Inventive Technology (ICSSIT), 2022, pp. 125-131, (IEEE Xplore). doi: 10.1109/ICSSIT53264.2022.9716506
3. Helen.R, **Thenmozhi.T**, Nithya kalyani.R, ShanmugaPriya.T, "Fruit Recognition And Freshness Detection Using Convolutional Neural Networks",2022 4th International conference on machine Intelligence and signal processing (MISP2022)-(LNEE)
4. Helen R, Nikei Antony Miekle A, **Thenmozhi T**, Suhail Ahmed A, Aravindh R.(2023,October),”Detection of Sensors Fault using Singular Value Decomposition Technique in Power Plant”,International Conference on Self Sustainable Artificial Intelligence Systems ,”pp(1693-1699).IEEE xplore
5. Dr.S.Mythili, **T.Thenmozhi**, Dr.R.Helen “Detection of Motor EEG Signals by applying combined Bidirectional LSTM Model with Spatial Features” International Conference on Advances and Applications of Artificial Intelligence & Machine Learning( ICAAAIML - 2023) LNEE

**4. National Conference Presentation Details:**

1. **T.Thenmozhi**, Dr.R.Helen,”ECG Feature Extraction Using Hilbert Transform”, National conference on Bioelectronics,Biomaterials and Medical devices(NCBBM-2014) held at SSN college of Engineering on March 2014.

**5. Google Scholar report:**

<https://scholar.google.com/citations?hl=en&user=BtgNWhoAAAAJ>