

Mrs.N.Shanmuga sundari, M.Tech.

Assistant Professor III, Department of Information Technology,
Velammal College of Engineering and Technology, Madurai

e-Mail Id: ssn@vcet.ac.in

Blog Address: <https://shanmugasundari.wordpress.com>

Educational Qualification:

Course	Name of the Institute	Board	Year of Passing	Class
M.Tech(IT)	Kalasalingam University	Kalasalingam University	2012	First Class With Distinction *University Gold Medalist
B.Tech (IT)	S.Veerassamy Chettiar College of Engineering and Technology	Anna University	2010	First Class *Best Outgoing Student
HSC	St.Mary's Girls' Higher Secondary School, Mettur	State Board	2006	First Class
SSLC	St.Mary's Girls' Higher Secondary School, Mettur	State Board	2004	First Class

Experience in Years: 8.1 Years**Employment History:**

S.No	Designation	Institution	Duration
1.	Assistant Professor	Velammal College of Engineering and Technology, Madurai	Working (From Dec 11, 2013)
2.	Assistant Professor	Oxford Engineering College, Trichy	9 months

Interested Research Areas:

- Image Processing
- Machine Learning

Scholarships and Awards received:

- Secured **First prize in State level** speech competition
- **Best Outgoing Student** of Academic Year 2006-2010
- **University Topper** in the academic year 2010-2012

Funded Research Projects:

Involved in the following consultancy projects

- Developed a project for analyzing **Protein Gel** to quantify the components in blood sample for Velammal Medical College Hospital and Research Institute, Madurai.
- Developed a Software for “**Student Information System**” for our Institution “Velammal College of Engineering and Technology, Madurai”

Publications Details:

1. Book publication:

- Published a book (ISBN number: 978-3-330-03255-2) titled "**Segmentation and Classification of Abnormalities in Gallbladder**" in Lambert Academic Publishing, Germany. ISBN number :978-3-330-03255-2

2. Patent Journal Publication Details:

- Dr.R.Perumal raja,Mrs.N.Shanmuga Sundari, 2019, Serum Protein Quantification Using Image Processing, India 201941001286, filed [January 11, 2019] and issued [January 18, 2019]

3. International Journal Publication Details:

- Published paper in in International Research Journal of Engineering and Technology (IRJET) entitled “**Land Price Prediction using Artificial Intelligence**”, **Volume: 07 Issue: 04 | Apr -2020**
- Published paper in in International Research Journal of Engineering and Technology (IRJET) entitled “**Performance Prediction of Machines using Artificial Intelligence**” **Volume: 07 Issue: 04 | Apr -2020**
- Published paper in International Research Journal of Engineering and Technology (IRJET) entitled “**Steganography using PVD Algorithm for Android Application**”, **Volume: 04 Issue: 04 | Apr -2017**
- Published paper in International Journal of Emerging Trends & Technology in Computer Science (IJETTCS) entitled “**Tracking Owner Details by Automatic Number Plate Recognition**”, **Volume 5, Issue 2, March - April 2016**
- Published paper in International Journal of Informative and Futuristic Research entitled “**Automatic Railway Track Obstacle Detection System**”, **Volume 3 Issue 7, March,2016**
- Published paper in International Research Journal of Engineering and Technology entitled “**Metamorphosis and intersect to secure image**”, **Volume: 02 Issue: 09 | Dec-2015**

- Published paper in Journal of Computing Technologies entitled “**Segmentations and Classifications of Abnormalities in Gallbladder**” **Volume 4 Issue 4,2015**
- Published paper in International Journal of Emerging Engineering Research and Technology entitled “**Image and Information Retrieval Based on Multi-Feature Similarity Score Fusion Using Genetic Algorithm**” **Volume 2, Issue 2, May 2014**

4. International Conference Presentation Details:

IEEE Conference

- Published paper in IEEE International Conference on Smart Systems and Inventive Technology (ICSSIT 2019) entitled “**Classification of Trained Input Images using Neural Networks**” organized by Francis Xavier Engineering College, Tirunelveli. Date: 27-29 November, 2019
- Published paper in IEEE International Conference on Computer Communication and Informatics “ICCCI -2018” entitled “**Quantification of Serum Protein using 2D Electrophoresis Image**” organized by Sri Shakthi Institute of Engineering and Technology, Coimbatore. Date: 4-6 Jan,2018

Non IEEE Conference:

- Presented paper in “**SET 2011**” conducted by VIT University, Vellore, TN, India,entitled “**Image Retrieval based on its features**”.
- Presented paper “**ICECE 2012**”conducted by Lakshmi Ammal Engineering College, Chennai,entitled “**Image retrival based on GLCM and CCM**”.
- Presented paper in “**ICCCE 2012**”conducted by Dr.M.G.R.Educational and research Institute, Chennai,entitled “**Texture based anlysis on Image**”.

5. National Conference Presentation Details:

- “**EEC2011**” conducted by VIT University, Vellore, TN, India.
- “**NCRTECT-2k12**” conducted by P.S.R.Engineering College, Sivakasi.