

Dr. DEJEY, M.E., Ph.D.

Professor

Department of Computer Science

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EDUCATIONAL BACKGROUND

- Ph.D. in Computer Science and Engineering, Manonmaniam Sundaranar University, India, 2011 (Research Area: Image Processing ; Title of the Thesis: Robust Digital Image Watermarking Schemes in the Transform Domain)
- Master of Engineering (M.E.) in Computer Science and Engineering, Manonmaniam Sundaranar University, India, 2005. (**University First Rank and Gold Medal**)
- Bachelor of Engineering (B.E.) in Computer Science and Engineering, Manonmaniam Sundaranar University, India, 2003

PRESENT ACADEMIC POSITION

- Professor, Department of Computer Science, School of Mathematics and Computer Sciences, Central University of Tamil Nadu, Tiruvarur since 7th October 2025.

PREVIOUS ACADEMIC POSITIONS

- Associate Professor (**By Direct Recruitment**), Department of Computer Science and Engineering, College of Engineering, Guindy, Anna University, Chennai from 25th May 2023 to 6th October 2025.
- Assistant Professor (Selection Grade), Department of Computer Science and Engineering, Anna University, Tirunelveli Region, Tirunelveli, from 16th August 2019 to 24th May 2023.
- Assistant Professor (Senior Grade), Department of Computer Science and Engineering, Anna University, Regional Campus Tirunelveli, Tirunelveli, from 16th August 2014 to 15th August 2019.
- Assistant Professor, Department of Computer Science and Engineering, Anna University, Regional Campus Tirunelveli, Tirunelveli, from 16th August 2010 to 15th August 2014.
- Junior Research Fellow, Department of Computer Science and Engineering, Manonmaniam Sundaranar University, from 15th May 2008 to 15th August 2010.
- Lecturer, Department of Computer Science and Engineering, Dr. Sivanthi Aditanar College of Engineering, Tamilnadu, from 1st May 2005 to 14th May 2008.

MEMBERSHIP WITH PROFESSIONAL BODIES

- Life Member, Indian Society for Technical Education (LM45961)
- Member, The Institution of Engineers, India (M-151298-0)
- Member, IEEE, Madras Section (93446235)
- Life Member, The Indian Science Congress Association (L32997)

AWARDS AND HONORS

- Received the Best Presentation Award for the paper titled "Combination of Activation Functions within the LeNet-5 Framework for Autism Screening" presented at the International Conference on Computing and Automation Engineering, held at Melbourne, Australia, from 14th to 16th March 2024.
- Received the Active Consultant 2022 Award in CSE along with a Cash Prize of INR 25K from Anna University, Chennai in March 2023.
- Won the Silver Award (Cash Prize of INR 50K), Awards for Excellence in Information Technology (IT) in AYUSH Sector - 2019, Ministry of AYUSH, GoI for the Project titled "Development of device to sustain fitness of an individual utilizing Naadi".
- Won the First Prize (Cash Prize of INR 50K) under the category MAKE IN INDIA at the INDIA INTERNATIONAL SCIENCE FESTIVAL 2018 (IISF 2018) organized jointly by Ministry of Science and Technology, GoI, Vijnana Bharati and Ministry of Earth Sciences, GoI at Lucknow from 06/10/2018 to 07/10/2018 for the project titled "Development of device to sustain fitness of an individual utilizing Naadi".
- Received Cash Award by Tamil Nadu State Council for Science and Technology (TNSCST) under the Student Project Scheme (SPS) for the project titled IoT based System for Banana Plantation Monitoring and Disease Detection" guided during 2017.
- Awarded Junior Research Fellowship in Engineering and Technology by the University Grants Commission, India, 2008 and was one among the five from all over India to receive.
- Secured University First Rank and Gold Medal in Master of Engineering, 2005.
- Secured First Rank in the College in Bachelor of Engineering, 2003.

ACADEMIC IDENTITY

- **SCOPUS AUTHOR ID:** <https://www.scopus.com/authid/detail.uri?authorId=57195373533>
(Citations: 466 by 387 Documents, H-INDEX:12)
- **GOOGLE SCHOLAR ID:** <https://scholar.google.com/citations?user=Ea9bRcQAAAAJ&hl=en>
(Citations: 620, H-INDEX: 14, I10 INDEX: 19)
- **ORCID ID:** <https://orcid.org/0000-0002-5173-4878>
- **IRINS:** <https://cutn.irins.org/profile/655345>

PUBLICATIONS

Book

Dejey and Murugan, "Cyber Forensics", First Edition, Oxford University Press, 2018. (ISBN: 9780199489442)

Book Chapter

1. D. Jeyabharathi and **Dr. Dejey**, 'Background Subtraction and Object Tracking via Key Frame Based Rotational Symmetry Dynamic Texture', Handbook of Research on Advanced Image processing Techniques and Applications - IGI Publishers. Release Date: February, 2017, Pages: 439, ISBN13: 9781522520535, ISBN10: 1522520538, EISBN13: 9781522520542, DOI: 10.4018/978-1-5225-2053.
2. D. Jeyabharathi and **Dr. Dejey**, 'Background Subtraction and Object Tracking via Key Frame Based Rotational Symmetry Dynamic Texture', Computer Vision: Concepts, Methodologies, Tools and Applications – IGI Publishers, 2018, pages: 30, DOI: 10.4018/978-1-5225-5204-8.ch059
3. Sherly Alphonse and **Dejey**, "Novel Computational Intelligence Techniques for Automatic Pain Detection and Pain Intensity Level Estimation from Facial Expressions using Distributed Computing for Big Data", Computational Intelligence for Multimedia Big Data on the Cloud with Engineering Applications, Elsevier Academic Press, 2018, pp. 91-121. (DOI: <https://doi.org/10.1016/B978-0-12-813314-9.00004-9>) ISBN: 978-0-12-813314-9.
4. M Kaviya Elakkiya and **Dejey**, "Towards improving the accuracy in the diagnosis of schizophrenia using functional magnetic resonance imaging (fMRI)", Cognitive Systems and Signal Processing in Image Processing, 1st Edition - November 28, 2021, ISBN: 9780323860093.

Edited Book

Jose Anand Archangel, Saravanan Krishnan and **Dejey**, "Smart Technologies for Sustainable Livestock Systems", CRC Press, 2025. (ISBN: 9781032863429)

In Journals (National: 03, International: 38)

1. M. Kaviya Elakkiya and **Dejey**, "Classification of autistic subjects employing modified volume local binary pattern (MVLBP) and Stacked Autoencoder (SAE) on functional magnetic resonance imaging (fMRI)", Springer Multimedia Tools and Applications, August (2024). (DOI: <https://doi.org/10.1007/s11042-024-19881-7>)
2. M. Kaviya Elakkiya and **Dejey**, "Novel deep learning models with novel integrated activation functions for autism screening: AutoNet and MinAutoNet", Elsevier Expert Systems with Applications, 238 (2024), October 2023, 122102. (DOI: <https://doi.org/10.1016/j.eswa.2023.122102>).

3. M. Kaviya Elakkiya and **Dejey**, Stacked Autoencoder with Novel Integrated Activation Functions for the diagnosis of Autism Spectrum Disorder, Springer Neural Computing Applications, April 2023. (DOI: 10.1007/s00521-023-08565-2).
4. M. Kaviya Elakkiya and **Dejey**, "RBM-GP with Novel Kernels Coupled Deep Learning Model for Autism Screening", Elsevier Engineering Applications of Artificial Intelligence, Volume 114, September 2022, 105034. (DOI: 10.1016/j.engappai.2022.105034).
5. T. Brindha Baskar and **Dejey**, "Enhancing the Compression Performance in Medical Images using a Novel Hex-Directional Chain Code (Hex DCC) Representation", Springer Soft Computing, Volume 25, pp. 5807 - 5830, March 2021. (DOI: 10.1007/s00500-021-05645-0).
6. M. Nava Barathy and **Dejey**, "A Novel Protein Sequence Alignment-based Patch Similarity Estimation for Two-level Data Aggregation in WMSNs", Springer Wireless Personal Communications, April 2021. (DOI: 10.1007/s11277-021-08099-7).
7. T. Kavitha Thangaraj and **Dejey Dharma**, "Optimized Fuzzy System Dependent Trust Score for Mobile Adhoc Network", Springer Wireless Personal Communications, December 2020, (DOI: 10.1007/s11277-020-07984-x). ISSN: 1572-834X.
8. F. Magdaline Eljeeva Emerald, Heartwin A. Pushpadass, M. Manjunatha, K. Manimala, **D. Dejey**, Karthik Salish and B. Surendra Nath, "Modelling approaches for predicting moisture transfer during baking of chhana podo (milk cake) incorporated with tikur (Curcuma angustifolia) starch", Springer Journal of Food Measurement and Characterization, (07 July 2020), (DOI: 10.1007/s11694-020-00543-9). (No Volume No. Issue No, Pg. No.)
9. Ajay Amrit Raj and **Dejey**, "Adaptive Neuro-Fuzzy Inference System - based Nonlinear Equalizer for CO-OFDM Systems", Oxford Academic - The Computer Journal, (2019), (DOI: 10.1093/comjnl/bxz072)
10. M. Nava Barathy and **Dejey**, "Two-level data aggregation for WMSNs employing a novel VBEAO and HOSVD", Elsevier Computer Communications, 149, January (2020), pp. 194-213. (DOI: 10.1016/j.comcom.2019.10.013). ISSN: 0140-3664.
11. Suganya Athisayamani and **Dejey Dharma**, "A Novel Video Coding Framework with Tensor Representation for Efficient Video Streaming", Springer Wireless Personal Communications, Volume 109, Number 4, (August 2019), pp. 2699- 2717 .(DOI: 10.1007/s11277-019-06704-4). ISSN: 1572-834X.
12. Ani Brown Mary N, **Dejey Dharma**, "A novel framework for real-time diseased coral reef image classification", Springer, Multimedia Tools and Applications, Volume 78, Issue 9, (September 2018), pp 11387-11425. (DOI: 10.1007/s11042-018-6673-2).
13. D. Jeyabharathi and **Dr. Dejey**, "Cut set based Dynamic Key frame selection (CDK) and Adaptive Layer based Background Modeling (ALBM) for Background Subtraction", Elsevier Journal of Visual Communication and Image Representation, Volume 55, August (2018), pp. 434-446 (DOI: 10.1016/j.jvcir.2018.06.024). ISSN: 1047-3203.
14. Ani Brown Mary N, **Dejey Dharma D**, "Coral reef image/video classification employing novel octa-angled pattern for triangular sub region and pulse coupled convolutional neural network (PCCNN)",

- Springer, Multimedia Tools and Applications, Volume 77. Issue: 24. (June 2018), pp. 31545-31579 (DOI: 10.1007/s11042-018-6148-5).
15. J.V. Bibal Benifa and **Dejey** Dharma, "A Hybrid Auto-Scaler for resource scaling in cloud environment", Journal of Parallel and Distributed Computing, Elsevier, Volume 120, (October 2018), pp. 1-5 (DOI: 10.1016/j.jpdc.2018.04.016). ISSN: 0743-7315.
16. N. Ani Brown Mary and **Dejey**, "Classification of Coral Reef Submarine Images and Videos Using a Novel Z with Tilted Z Local Binary Pattern (Z+TZLBP)", Springer Wireless Personal Communications, Volume 98, Issue 3, (February 2018), pp. 2427-2459. ISSN: 1572-834X.
17. D. Jeyabharathi and **Dr. Dejey**, "Efficient Background Subtraction for Thermal Images using Reflectional Symmetry Pattern (RSP)", Springer Multimedia Tools and Applications, Volume 77, Issue 17, (June 2018), pp. 22567-22586. (DOI: 10.1007/s11042-018-6220-1) ISSN: 1573-7721.
18. D. Jeyabharathi and **Dr. Dejey**, "New Feature Descriptor: Extended Symmetrical - Diagonal Hexadecimal Pattern (ES-DHP) for efficient Background Subtraction and Object Tracking", Elsevier Computers and Electrical Engineering, Volume 66, (February 2018), pp. 454-473. (DOI: <https://doi.org/10.1016/j.compeleceng.2017.11.001>). ISSN: 0045-7906.
19. J.V. Bibal Benifa and **Dejey**, "RLPAS: Reinforcement Learning - based Proactive Auto-Scaler for Resource Provisioning in Cloud Environment", Springer Mobile Networks and Applications, Volume 24, (January 2018), pp. 1348-1363. (DOI: 10.1007/s11036-018-0996-0). ISSN: xxxx.
20. A. Suganya and **Dr. Dejey**, " Compact Video Content Representation for Video Coding using Multi-Linear Tensor Rank Approximation with Dynamic Core Tensor Order", Springer Computational and Applied Mathematics, Volume 37, Issue 3, July (2018), pp.3708 – 3725 (DOI: 10.1007/s40314-017-0539-5). ISSN: 1807-0302.
21. Magdaline Eljeeva Emerald F, Manjunatha M, Heartwin A. Pushpadass, Manimala K, **Dejey** and Surendra Nath, "Soft Computing Modelling for Predicting Moisture Transfer During Baking of Chhana Podo", 26th ICFoST Indian Convention of Food Scientists and Technologists - Food and Nutrition Challenges: Role of Food Science and Technology @ CSIR-Indian Institute of Chemical Technology, Hyderabad, December 7-9, 2017, pp.177. (DOI: 10.1007/s11694-020- 00543-9)
22. Sherly Alphonse and **Dejey**, "A Novel Monogenic Directional Pattern (MDP) and Pseudo-Voigt Kernel for facilitating the identification of Facial Emotions", Elsevier Journal of Visual Communication and Image Representation, Volume 49, (November 2017), pp. 459 - 470 (DOI: 10.1016/j.jvcir.2017.10.008). ISSN:1047-3203.
23. N. Ani Brown Mary and **Dejey**, "Coral Reef Classification employing Improved LDP for Feature Extraction", Elsevier Journal of Visual Communication and Image Representation, Vol.49, (November 2017), pp.225-242. (DOI:10.1016/j.jvcir.2017.09.008). ISSN: 1047-3203.
24. Sherly Alphonse and **Dejey**, "Novel Directional Patterns and a Generalized Supervised Dimension Reduction System (GSRDS) for Facial Emotion Recognition", Springer Multimedia Tools and Applications, Volume 77, Issue 8, (September 2017), pp. 1-34. ISSN: 1573-7721.

25. J.V. Bibal Benifa and **Dejey**, "An Auto-Scaling Framework for Heterogeneous Hadoop Systems", World Scientific -International Journal of Cooperative Information Systems, Volume 26, Issue 4, (September 2017), pp.1750004-1-26(DOI: 10.1142/ S0218843017500046). ISSN: 1793-6365.
26. Sherly Alphonse and **Dejey**, "Enhanced Gabor (E-Gabor) Hypersphere - based normalization and Pearson General Kernel-based Discriminant Analysis for dimension reduction and classification of facial emotions", Elsevier Expert Systems with Applications, Volume 90, (December 2017), pp.127-145 (DOI: 10.1016/j.eswa.2017.08.013). ISSN: 0957-4174.
27. N. Kanthimathi and **Dejey**, "Void Handling using Geo-Opportunistic Routing in Underwater Wireless Sensor Networks", Elsevier Computers and Electrical Engineering, Volume 64, (November 2017), pp. 365 - 379. (DOI:10.1016/j.compeleceng.2017.07.016) ISSN: 0045-7906.
28. M. Kaviya Elakkiya and **Dr. Dejey**, " Development of Hardware for Naadi Parisothanai and Classification of Naadi for Disease Prognosis / Diagnosis Utilizing the Concepts of Signal Processing and Siddha Medicine", Annual Technical Volume of Computer Engineering Division Board, The Institution of Engineers, India, Volume 1, (2017), pp.13-232.
29. C. Vishnupriya and **Dr. Dejey**, " Development of Hardware for Neer Parisothanai and Classification of Urine Samples Utilizing the Concepts of Signal Processing and Siddha Medicine", Annual Technical Volume of Computer Engineering Division Board, The Institution of Engineers, India, Volume 1, (2017), pp.24-32.
30. J. V. Bibal Benifa and **Dr. Dejey**, "Performance Improvement of MapReduce for Heterogeneous Clusters based on Efficient Locality and Replica Aware Scheduling (ELRAS) Strategy", Springer Wireless Personal Communications, (2017), Volume 95, Issue 3, (January 2017), pp. 2709 - 2733 (DOI: 10.1007/s11277-017-3935-5). ISSN: 1572-834X.
31. D. Jeyabharathi and **Dr. Dejey**, "Vehicle Tracking and Speed Measurement System (VTSM) Based on Novel Feature Descriptor: Diagonal Hexadecimal Pattern (DHP)", Elsevier Journal of Visual Communication and Image Representation, (October 2016), Volume 40, Part B, pp.816- 830. (DOI: 10.1016/j.jvcir.2016.08.011).
32. N. Kanthimathi and **Dr. Dejey**, "Balanced and Multi-objective Optimized Opportunistic Routing for Underwater Sensor Networks", Wireless Personal Communications, July 2016, pp. 1-24, (DOI: 10.1007/s11277-016-3495-2). ISSN: 1572-834X.
33. D. Jeyabharathi and **Dr. Dejey**, "A novel Rotational Symmetry Dynamic Texture (RSDT) based subspace construction and SCD (Similar-Congruent-Dissimilar) based scoring model for background subtraction in real time videos", Springer Multimedia Tools and Applications, Volume 75, Issue 24, July 2016, pp. 17617-17645. (DOI: 10.1007/s11042-016-3772-9).
34. Suja Priyadharsini, Bal Sonia and **Dejey**, "A Hybrid ELM – Wavelet technique for the Classification and Diagnosis of NeuroMuscular Disorder using EMG Signal", IIOABJ, Special Issue (ASCB), Volume 6, Issue 4, August 2015, pp. 98-106 (ISSN: 0976-3104).
35. M. Sithara Fathima, Dr.P. Arockia Jansi Rani and **Dejey**, "Authenticating Patient's Medical Image using Reversible Watermarking", International Journal of Emerging Technology and Advanced Engineering,

Volume 3, Issue 1, January 2013, pp. 732-738.

36. T. Sugi, **Dejey** and R S Rajesh, "Geometric Attack resistant Robust Image Watermarking Scheme", International Journal of Information Acquisition, Volume 9, Issue 1, January 2013, pp. 1350008-2 – 13500008-8. (DOI: 10.1142/S0219878913500083).
37. **Dejey** and R S Rajesh, "Robust Discrete Wavelet – Fan Beam Transforms (DWT-FBT) based Color Image Watermarking", IET Transactions on Image Processing, Computer Graphics and Multimedia Security, Vol. 5, No. 4, (2011), pp. 315-322. (DOI:10.1049/iet-ipr.2009.0239)
38. **Dejey** and R S Rajesh, "An improved Wavelet domain Digital Watermarking for image protection", International Journal of Wavelets and Multiresolution Information Processing, Vol. 8, No. 1, (2010), pp. 1-13. (DOI:10.1142/s021969131000333X).
39. **Dejey** and R S Rajesh, "Combined-Transforms-based robust Colour Image Watermarking Schemes", Inderscience-International Journal of Signal and Imaging Systems Engineering, Vol. 3, No. 3, (November 2010), pp. 155-163. (DOI: 10.1504/IJSISE.2010.036887)
40. **Dejey** and R S Rajesh, "Robust Color Image Watermarking in the Wavelet Domain", ICTACT Journal on Image and Video Processing, Vol. 1, No. 1, (2010), pp. 13 – 21.
41. **Dejey** and R S Rajesh, "Robust Color Image Watermarking based on Fan Beam Projections", International Journal of Information Acquisition, Vol. 6, No. 4, (2009), pp. 1-12. (DOI: 10.1142/s0219878909001900).

In Conference Proceedings (National: 10, International: 9)

1. Vaikunth M, **Dejey D**, Vishaal C, Balamurali S, "Optimizing Helmet Detection with Hybrid YOLO Pipelines: A Detailed Analysis", Proc. of the 11th International Conference on Computer Science and Engineering (CSEN 2024), held at Sydney, Australia from 21st to 22nd December, 2024. (DOI:10.48550/arXiv.2412.19467)
2. Dr. M. Kaviya Elakkiya and **Dr. Dejey**, "Combination of Activation Functions within the LeNet-5 Framework for Autism Screening", Proc. of The Sixteenth International Conference on Computing and Automation Engineering 2024, Melbourne, Australia, from 14th to 16th March 2024, pp. 294-298. (DOI: <https://ieeexplore.ieee.org/xpl/conhome/10569140/proceeding>)
3. Sherly Alphonse and **Dejey**, "Performance Analysis of Classifiers for facial expression recognition under constrained settings", 2016 International Conference on Computing Technologies and Intelligent Data Engineering (ICCTIDE'16), Kovilpatti, India, 7-9 January 2016, ISSN: 978-1-4673-8437-7.
4. **Dr. Dejey** and A. Monicka Rose, "A Study on the performance of Splat based Feature Classification of Fundus Images for the detection of Hemorrhage and Malarial Diseases", Proc. of National Conference on Computing and Communication, April 2014, pp. 43-46.
5. **Dr. Dejey** and J. Avinash Dhandapani, "Usage of a Dynamic Tone Mapping Operator for mapping the Tone mapped Image Quality Index", Proc. of National Conference on Computing and Communication, April 2014, pp. 202-206.

6. **Dr. Dejeey** and Aann Zane, " Analysis of Distance Measures for Human Eyebrow Recognition using Fast Template Matching", Proc. of National Conference on Computing and Communication, April 2014, pp. 226-231.
7. Vivek Ananthan M S and **Dr. Dejeey**, "Semi Supervised Classification and Adaptive Novel Class detection in Feature evolving Data Stream", Proc. of National Conference on Emerging and Innovative Trends in Computing, March 2014, pp. 7-12.
8. A. S. Hazina Fathima and **Dr. Dejeey**, "Smile Detection using Ensemble of Features", Proc. of DRDO sponsored National Conference on Advances in Computing and Information Technology, April 2013, pp. 7-11.
9. C. Abinaya and **Dr. Dejeey**, "Medical Ultrasound Image Compression using FF-LBG Algorithm", Proc. of DRDO sponsored National Conference on Advances in Computing and Information Technology, April 2013, pp. 90-94.
10. R. Bhogal Adithya and **Dr. Dejeey**, "Gaussian Mixture Model based Brain MR Image Segmentation", Proc. of DRDO sponsored National Conference on Advances in Computing and Information Technology, April 2013, pp. 139-145.
11. **Dr. Dejeey** and V. Vishnupriya, "Retinal Lesion Detection for Diabetic Retinopathy Grading", Proc. of National Conference on Advanced Computing and Information Technology, May 2013.
12. A. Poornima and **Dr. Dejeey**, "Fuzzy C- Means for Image Segmentation using FSC-RS Algorithm", Proc. of National Conference on Information Science and Engineering, April 2013, pp. 31-36.
13. M. Sithara Fathima and **Dejeey**, "Authenticating Patient's Medical Image using Reversible Watermarking", Proc. of 4th International Conference on Intelligent Science and Technology, March 2012.
14. T. Sugi and **Dejeey**, "Geometric Attack resistant Robust Image Watermarking Scheme", Proc. of International Conference on Innovative Computing and Information Processing, March 2012.

PARTICIPATION AND PRESENTATION IN CONFERENCES

1. Dr. M. Kaviya Elakkiya and **Dr. Dejeey**, "Combination of Activation Functions within the LeNet-5 Framework for Autism Screening", Proc. of The Sixteenth International Conference on Computing and Automation Engineering, held at Melbourne, Australia, from 14th to 16th March 2024.
2. **Dr. Dejeey** and A. Arputha Regina, "Towards Prediction of White Blood Cell Type and Platelet Count form Blood Smears", Proc. of First International Conference on Data and Communication for Science, Technology and Society, held at Columbo, Sri Lanka, June 2015, pp.112-124. (ISBN: 978-955-7796-00- 0 © 2015 DIRF)
3. **Dejeey** and R S Rajesh, "A Robust Audio Watermarking Scheme for the protection of Digital Audio", Proc. of Int. Conf. on Emerging Trends in Computing, January 2009, pp. 573-576.
4. **Dejeey**, "Image Authentication Scheme with Watermarking in the Wavelet Domain", First International Conference of SRF, April 2008.

5. **Dejey**, "Collusion Resistant Image Authentication Scheme with Watermarking using Fingerprints", Proc. of Int. Conf. on Advanced Computing and Communication, February 2007, pp. 277-280.
6. **Dejey**, "Network Security with Spatial Domain Watermarking", Proc. of National Level Conference SACOEERENCE, August 2005.
7. **Dejey** and P Arockia Jansi Rani, "Spatial Domain Digital Watermarking for Buyer Authentication of Images", Proc. of National Conference 'VISION '05' on High Performance Computing, April 2005, pp. 521-525.

PATENTS AND COPYRIGHTS GRANTED

1. **Indian Patent No.: 421273 Application No. 201741028756 – A Smart Toll Collection System utilizing Industrial Scientific Medical Band of Radio Frequency Communication. (GRANTED)**

Description about the invention:

This invention encompasses a Vehicle Unit (VU) fastened to the rear view mirror of the vehicle to transmit the programmed information as Radio Frequency (RF) signals to the Road Unit (RU) at Toll Plaza till a positive acknowledgement is received. More than one RUs are available in every Toll Plaza to allocate a channel for communication for every vehicle crossing the Toll Plaza in such a way that the information from VU is captured even if the vehicle passes at a high speed. RUs in Toll Plaza are wired with a Toll side Web Server (TWS) which maintains the history of vehicles crossing the Toll Plaza. Information pertaining to the vehicles like owners information and bank account number are maintained in a centralized database. Based on the type of vehicle TWS facilitates automatic deduction of Toll amount from the vehicle owners registered bank account and sends an acknowledgement back to the vehicle owner.

2. **Indian Patent No. 447188 Application No. 201641043187A - A Non Invasive Naadi Parisothanai Device for Prognosis or Diagnosis of Diseases from the after-effect of Electrical Impulse at the Heart in the Radial Artery (GRANTED)**

Description about the invention:

This invention helps to obtain the after-effect of electrical impulse at the heart in the radial artery for classification into major type and sub-type of Naadi. The invention includes three accelerometers, a Data Acquisition (DAQ) hardware and software. The accelerometer picks the vibration (as a signal) at the radial artery with minimum artifacts. This signal is then fed to the DAQ for conversion into digital form. Feature extraction and classification are done by the developed software. Classification is based on the order of predominance of vibration at the three arterial points, from where diseases and their impacts on organs are identified. Naadi Parisothanai is one of the most important diagnostic methods based on sense of touch. The present invention is able to pick even the feeble signal and can perform prognosis and diagnosis of diseases accurately. This avoids inconsistencies prevailing among several Siddha practitioners.

3. **Indian Patent Application No. 202241001121 - Intelligent Diagnostic System and Methods of Ascertaining Mental Health Thereof. (Provisional Registration Filed)**

4. **Copyright Registration No. SW-17856/2023 dated 18.12.2023 for the COMPUTER SOFTWARE WORK titled Standalone and Web Based Vehicle Parking Management System (GRANTED)** [Copyright Diary No. 23456/2022-CO/SW, Request No: 67985]
5. **Copyright Registration No. SW-16524/2023 dated 09.06.2023 for the COMPUTER SOFTWARE WORK titled Toll Free Grievance Redressal System (GRANTED)** [Copyright Diary No. 23469/2022-CO/SW, Request No: 68005]

CONSULTANCY WORKS / FUNDED PROJECTS

Consultancy Works Completed

1. Consultancy Work for Tirunelveli Corporation
 - (a) Annual Maintenance of Hardware and Software of EDP for a sum of Rs. 82, 00, 000/- (Rupees Eighty Two Lakhs) from 1st June 2016 to 31st March 2023.
 - (b) Operation and Maintenance of Toll Free Grievances Cell of Tirunelveli Corporation for a sum of Rs. 42,92, 100/- (Rupees Forty Two Lakh Ninety Two Thousand only) for a period of one year from 1st June 2016 to 31st March 2023.
2. Development of Software "Vehicle Parking Management System" for Tirunelveli Corporation for a sum of Rs.7,00,000/- (Rupees Seven Lakhs) in January 2019.
3. Development of Software "Vehicle Parking Management System" for Thoothukudi Corporation for a sum of Rs.5,00,000/- (Rupees Five Lakhs) in September 2019.
4. Development of Software "Web Based Toll Free Grievance Redressal System" for Kancheepuram Corporation for a sum of Rs.3,00,000/- (Rupees Three Lakhs) in 2022.

Funded Project Sanctioned

Project titled "Development of Naadi Parisodhanai Device for the Prognosis and Diagnosis of Non Communicable Diseases" under AYUR GYAN Scheme (Extra Mural Research) for an amount of INR 23.06 Lakhs for 3 Years by the Ministry of AYUSH, GoI. Funds yet to be released.

WORKSHOPS / FACULTY DEVELOPMENT PROGRAMMES ORGANIZED

1. Coordinator for the One week Certificate Course on Python Programming organized jointly by the Department of CSE, CEG Campus and the Centre for Blended Learning and Human Empowerment, Anna University from 30.06.2025 to 04.07.2025.
2. Coordinator for the Two Day Online Training Programme on Mastering LaTeX for Scientific and Technical Writing organized jointly by the Department of CSE, CEG Campus and the Centre for Cyber Security, Anna University from 29.04.2025 to 30.04.2025.
3. Coordinator of the Online Six Day Faculty Development Programme on CS8074 Cyber Forensics conducted

during 17th – 22nd January 2022 and sponsored by Centre for Faculty Development, Anna University, Chennai (Rupees Thirty Thousand).

4. Coordinator of the Six Day Faculty Development Programme on Cyber Forensics conducted during 11th – 16th May 2019 and sponsored by Centre for Faculty Development, Anna University, Chennai (Rupees Seventy Thousand).
5. Coordinator, Six Day Camp for School Students on the theme "Guidance to be a Successful Individual" organized jointly by Anna University Regional Campus - Tirunelveli and Entrepreneurship Development and Innovation Institute (EDII), Chennai from 29th August to 03rd September 2017. The Camp was funded by EDII (One Lakh rupees).
6. Coordinator, SADHANA - One Week Workshop for the students with a call to achieve via Projects to Society organized by Regional Office, Anna University, Tirunelveli from 11th to 18th December 2015.
7. Coordinator, Two Day Workshop on Cloud OpenStack Kilo¹¹ organized by the Department of Computer Science and Engineering, Regional Office, Anna University, Tirunelveli on 29th and 30th October 2015.
8. Coordinator, One Day Workshop on Upcoming Industrial Developments in Southern Tamil Nadu- Impact of Global Investor's Meet 2015 organized by Regional Office, Anna University, Tirunelveli on 1st October 2015.
9. Coordinator, Two Day international Workshop on Scopes and Challenges of Scientific Technology Intervention in Indian Medicine organized jointly by Regional Office, Anna University Tirunelveli, Government Siddha Medical College, Tirunelveli and Tirunelveli Medical College on 6th and 7th August 2015.
10. Convener of the 5 Day Training Programme for the Staff of Police Department conducted during 15th - 19th June 2015.
11. Convener of the 5 Day Training Programme for the Students of Government Schools conducted during 15th - 19th June 2015.
12. Convener of the International Workshop and Conference on Research Contributions in Technology and Applications organized by the Department of CSE Regional Centre, Anna University, Tirunelveli during 27th – 28th March 2015.
13. Convener of the National Conference on Computing and Communications organized jointly by the Department of CSE and ECE, Regional Centre, Anna University, Tirunelveli during 3rd – 4th April 2014.
14. Coordinator of the Seven Day Faculty Development Programme on Databases Management Systems and Advanced Databases conducted during 4th – 10th December 2013 and sponsored by Centre for Faculty Development, Anna University, Chennai (Rupees Eighty Thousand).
15. Convener of the Two Day Workshop on Hands on approach to Proficient Document Writing using LATEX" conducted during 12th – 13th October 2013.
16. Coordinator of the Seven Day Faculty Development Programme on Mobile and Pervasive Computing conducted during 4th – 10th June 2013 and sponsored by Centre for Faculty Development, Anna University, Chennai (Rupees Eighty Thousand).
17. Coordinator of the Two Week ISTE Workshop on Database Management Systems conducted by IIT Bombay during 21st -31st May 2013.

18. Coordinator of the Seven Day Faculty Development Programme on Digital Image Processing conducted during 7th – 13th December 2012 and sponsored by Centre for Faculty Development, Anna University, Chennai (Rupees Eighty Thousand) .
19. Convener of the Two Day Workshop on Hands on Approach to Wireless Network Simulation using NS2 conducted during 4th - 5th December 2012.

PROGRAMMES ATTENDED

1. Workshop on "Outcome Based Education" organized by TANSCHS on 27.01.2025.
2. Master Trainer Programme on High Performance Computing organized jointly by C-DAC, Bangalore and AICTE, New Delhi at C-DAC, Electronic City, Bangalore from 03.06.2024 to 14.06.2024. (AICTE CERTIFIED MASTER TRAINER ON HIGH PERFORMANCE COMPUTING – JUNE 2024)
3. Two Week DST sponsored Online FDP on Entrepreneurship (Machine Learning) organized jointly by Department of Information Technology, MIT Campus and the Centre for Professional Development, Anna University, Chennai from 01.02.2024 to 14.02.2024.
4. Six Day Online Phase II FDP on "Incorporating Universal Human Values in Education" organized by AICTE, New Delhi from 16.10.2023 to 21.10.2023.
5. Completed AICTE Phase - I Eight Module MOOC Courses conducted by NITTT, February 2022 (Batch - 5).
6. Two Week Hands on Industrial Training for Government Officials on Cyber Security Essentials organized by C-DAC Hyderabad under FutureSkills PRIME Project from 20.06.2022 to 1.07.2022.
7. Five Day Online FDP on "Incorporating Universal Human Values in Education" organized by AICTE, New Delhi from 14.03.2022 to 19.03.2022.
8. NPTEL Translator for the Course on Computational Thinking (2.7 Hours), January 2022
9. Three Day Online FDP on "Research Methodology - A Platform to enhance your Research" organized by the Department of Computer Science, Sona College of Arts and Science, Salem from 25.11.2021 to 27.11.2021.
10. One Week Faculty Development Programme organized by Programme Mentoring Office - Innovation & Entrepreneurship Development Programme (PMO-IEDP) from 21.09.2021 to 27.09.2021.
11. Coursera Online Certification on Deep Learning, January 2021
12. NPTEL Translator for the Course on Computer Vision (5 Hours), December 2020
13. Three Week Industrial Training Programme for Faculty organized by RGMTTC, BSNL, Chennai from 1.06.2020 to 19.06.2020
14. One Week Faculty Development Programme on R conducted by Thiruvalluvar University College of Arts and Science, Arakkonam in association with IIT Bombay Spoken Tutorial from 21.05.2020 to 27.05.2020.
15. Two Week FDP on Managing Online Classes and Co-creating MOOCs conducted by Ramanujam College, New Delhi from 20.04.2020 to 06.05.2020
16. AICTE sponsored Two Week Faculty Development Programme on Role of Cyber Forensic Field Kit (True

Traveller and its Supporting Tools) in Cyber Crime Investigations at Francis Xavier Engineering College, Tirunelveli from 10.06.2019 to 22.06.2019.

17. Six Day Faculty Development and Training Programme on Theory of Computation organized by the Department of Computer Science and Engineering, Anna University Regional Campus - Tirunelveli and sponsored by Centre for Faculty Development, Anna University, Chennai from 29th April to 5th May 2019.
18. 12 Week NPTEL Course on Joy of Computing in Python organized by IIT Kharagpur and funded by MHRD from January to April 2019.
19. 12 Week NPTEL Course on Industrial IoT and Industry Standard 4.0 organized by IIT Kharagpur and funded by MHRD from January to April 2019.
20. Two Week Course on Mentoring Educators in Educational Technology organized by IIT Bombay and funded by MHRD at Anna University Regional Campus - Tirunelveli from 18th May to 27th June 2018.
21. 12 Week NPTEL Course on Introduction to Internet of Things organized by IIT Kharagpur and funded by MHRD from January to April 2018.
22. One Week Faculty Development Programme on Distributed Systems funded by CTD, Anna University, Chennai and organized by Department of CSE, Anna University Regional Campus - Tirunelveli from 27th November to 3rd December 2017.
23. Two Week Course on Pedagogy for Online and Blended Teaching - Learning Process organized by IIT Bombay and funded by MHRD at Anna University Regional Campus - Tirunelveli from 14th September to 20th November 2017.
24. Two Week Foundation Program in ICT for Education organized by IIT Bombay and funded by MHRD at Anna University Regional Campus - Tirunelveli from 3rd August to 7th September 2017.
25. Two Day Hands on Workshop on Python Programming sponsored by Centre for Faculty Development, Anna University, Chennai at Anna University Regional Campus - Tirunelveli from 21st August to 22nd August, 2017.
26. One day Training Programme on Developing IoT Applications using Raspberry Pi organized by Kongu Engineering College, Perundurai on 18th February 2017.
27. DST-SERB sponsored Three Day Seminar on Current Research Trends in Computational Techniques in Bioinformatics organized by Thiagarajar College of Engineering from 21st to 23rd September 2016.
28. Five Day Workshop on Foundation Skills in Integrated Product Development organized jointly by Centre for Faculty Development, Anna University, Chennai, Tamil Nadu State Council for Technical Education and NASSCOM from 26th to 30th March 2016.
29. Two day Workshop on Evolutionary Optimization Algorithms and Applications organized by Thiagarajar College of Engineering, Madurai from 4th to 5th March 2016.
30. Two Week ISTE STTP on Technical Communication from 8th to 19th October 2015 organized by IIT Bombay.
31. One day Seminar on Submission of Project Proposals to Funding Agencies and Promotion of Consultancy Activities at Government College of Engineering, Tirunelveli on 22nd August 2015.

32. Two day International Workshop on Biomedical Signal and Image Processing at the Department of ECE, Regional Centre, Anna University, Tirunelveli, March 2015.
33. One day National Seminar on High Impact Journal Writing and Publishing at the Department of EEE, Regional Centre, Anna University, Tirunelveli, September 2014.
34. One day Workshop on R&D Project Proposals – Awareness, Needs and Benefits organized by CTDT at Anna University Chennai, February 2014.
35. Two day Workshop on Introduction to Wavelets and its Applications at the Department of ECE, Regional Centre, Anna University, Tirunelveli, February 2014.
36. Two Week ISTE Workshop on Signals and Systems conducted by IITK at Regional Centre, Anna University, Tirunelveli, January 2014.
37. One day Seminar on Importance of Free and Open Source Software at Regional Centre, Anna University, Tirunelveli, October 2013.
38. One week Coordinator's Workshop on Database Management Systems at IIT, Bombay, May 2013.
39. One day NPTEL Workshop at Regional Centre, Anna University, Tirunelveli, April 2013.
40. One day International Workshop on System Thinking and Modelling at SCAD College of Engineering and Technology, April 2013.
41. Two Day Workshop on Hands on Approach to Wireless Network Simulation using NS2 at Regional Centre, Anna University, Tirunelveli, December 2012.
42. Two day ISTE Workshop on AAKASH for Education at Regional Centre, Anna University, Tirunelveli, November 2012.
43. Two day Workshop on Research Scope in Machine Learning at Anna University, Chennai, August 2012.
44. One day National Seminar on Research Issues in Natural Language Processing at Dr. Sivanthi Aditanar College of Engineering, Tiruchendur, March 2012.
45. Two day Technical Seminar on Multimedia Signal Processing at Mepco Schlenk Engineering College, Sivakasi, August 2008.
46. One day Workshop on Image and Pattern Recognition at Bharathidasan Institute of Technology and Science, Trichy, December 2006.
47. Three day Workshop on Software Engineering Concepts at National Engineering College, Kovilpatti, April 2005.

INVITED LECTURES / TALK

1. Resource Person for the session on "Evolution of Computer Architecture in support of Parallel Computing and Parallel Programming Paradigms" organized by ISTE Student Chapter of Department of CSE, Anna University Regional Campus - Tirunelveli on 15.09.2025.
2. Resource Person for the sessions on "Introduction to basics in Python Programming" and "Conditional

Statements” at the One Week Certificate Courses on Python Programming organized jointly by the Department of CSE, CEG Campus and the Centre for Blended Learning and Human Empowerment, Anna University on 30.06.2025 and 01.07.2025.

3. Resource Person for the session on “AI Tools for Research” at the Two Day Online Training Programme on Mastering LaTeX for Scientific and Technical Writing organized jointly by the Department of CSE, CEG Campus and the Centre for Cyber Security, Anna University on 30.04.2025.
4. Resource Person for the session on “Unlocking the power of AI in Research - Tools for Literature Discovery, Writing Management, Referencing, Summarization and Others” at the Induction Programme 2025 organized for Research Scholars by the Centre for Research, Anna University, Chennai on 16.04.2025.
5. Resource Person for the session on “Data Workflow in Cloud” at the Six Day Online ATAL FDP on “Artificial Intelligence - Edge - Soft Computing” organized by the Department of CSE, Dr. Sivanthi Aditanar College of Engineering, Tiruchendur on 12.12.2024.
6. Resource Person for the session on “The Evolution of High Performance Computing and an Introduction to Shared Memory Programming Model with OpenMP” organized by the Department of ECE, Anna University Regional Campus – Tirunelveli in connection with its Technical Association on 05.10.2024.
7. Resource Person for the session on “Understanding Cyber Threats” in connection with the Five Day “Certificate Course on Cyber Security” jointly by The Tamil Nadu Dr. Ambedkar Law University and Anna University on 19.08.2024.
8. Resource Person for the session on “Unveiling Cyber Forensics and Legal Gaps: Bridging the divide in Cybercrime Investigations” in connection with the One Day Conference on “Contemporary Issues in Information Security” organized jointly by The Tamil Nadu Dr. Ambedkar Law University and Anna University on 09.11.2023.
9. Resource Person for the session on “Functions, Pointers and Structures in C: An Interview Perspective” in connection with the Five Day Soft Skill Training Programme sponsored by CUIIC, Anna University and organized by Anna University Regional Campus - Tirunelveli on 29.12.2023.
10. Resource Person for the session on “Mathematical Foundations for Machine Learning: Bridging Theory, Practice and Applications” in connection with the Six Day ATAL sponsored FDP on “Exploring Transformative Applications of Machine Learning: Innovations in Healthcare, Drug Discovery, Agriculture and Hands-on Tool Proficiency” organized by Francis Xavier Engineering College, Tirunelveli on 11.12.2023.
11. Resource Person for the session on “Exploring the Latest Cyber Forensics and Cyber Security Technologies and Trends” in connection with the Six Day ATAL sponsored FDP on “Recent Trend in Information and Communication Engineering” organized by Mother Teresa Engineering College, Vaagiakulam on 10.11.2023.
12. Resource Person for the International Conference on Business Globalization and Global Crisis Management organized by Centre for Research and Innovation, DMI – St. John the Baptist University, Malawi and delivered a lecture online titled “Technology Influence on Business Operations” on

20.07.2023

13. Resource Person for the One Day Workshop on Smart Operations using IoT organized by Department of Computer Science and Engineering, Manonmaniam Sundaranar University, Tirunelveli on 07.10.2022.
14. Resource Person for the One Day Workshop on IoT and its Applications organized by Department of Computer Science and Engineering, Manonmaniam Sundaranar University, Tirunelveli on 06.10.2022.
15. Resource Person for the Three Day Workshop on MSU LMS organized by Centre for Online Education, MSU and handled 3 sessions on Tools for Content Creation on 03.08.2022.
16. Resource Person for the Three Day Workshop on Learning Management System organized by Centre for Online Education, MSU and handled 3 sessions on Tools for Content Creation on 07.04.2022.
17. Resource Person for the Online FDTP on Computational Intelligence sponsored by CFD, Anna University, Chennai and organized by the Department of IT, University College of Engineering, Nagercoil and handled two sessions on Intelligent Agents, Search Space and Search Algorithms, Inference- Forward and Backward Chaining on 12.02.2022.
18. Resource Person for the Online FDTP on CS8074 Cyber Forensics sponsored by CFD, Anna University, Chennai and organized by the Department of CSE, Anna University Regional Campus - Tirunelveli, Tirunelveli and handled two sessions on Computer Crime, Forensics and Incident Response on 17.01.2022.
19. Resource Person at the International Webinar Series on Research Methodology Webinar organized by DMI- St. Eugene University, Zambia with the presentation titled "Formulation of Research Objectives" on 25.11.2021.
20. Expert talk to undergraduate students, Post graduates and Research scholars on Cyber Forensics organized by Cyber Security Club, Department of CSE, GIET University, Gunupur, Odisha on 03.08.2021.
21. Resource Person for the Online FDTP on Data Structures sponsored by CFD, Anna University, Chennai and organized by the Department of CSE, R.M.K Engineering College, Chennai and handled two sessions on AVL Trees, B and B+ Trees and Heaps on 23.06.2021
22. Resource Person for the Online FDTP on Digital Image Processing sponsored by CFD, Anna University, Chennai and organized by the Department of EIE, St. Joseph's College of Engineering, Chennai and handled two sessions namely Image Enhancement and Edge Detection and Linking on 08.06.2021
23. Resource Person for the Virtual Seminar on "Overview on Cybercrimes Past, Present and Future" sponsored by DBT Star College Scheme organized by G. Venkatasamy Naidu College, Kovilpatti on 09.11.2020.
24. Resource Person for SAP-II sponsored One Day Workshop on "Impact of IoT in Cyber Crime and Cyber Forensics" organized by the Department of Computer Science and Engineering, Manonmaniam Sundaranar University, Tirunelveli on 11.11.2019.
25. Resource Person for the Six Week Training for Inspectors and Sub-Inspectors organized by the Office of Commissioner of Police, Tirunelveli and delivered lectures on Overview of Cybercrime and Internet Crime through Mobile Phones on 2.11.2019.
26. Resource Person for the Five Day Hands on Training on Office Tools (HTOT) for Teachers of Higher

Education Institutions conducted by Centre for Teacher Resource and Academic Support, School of Education under the scheme Pandit Madan Malaviya National Mission on Teachers and Teaching (PMMMNTT) funded by MHRD, GoI and presented lecture on "Document Editing Tools, PDF Tools for Teachers and Presentation Tools" held at Manonmaniam Sundaranar University from 26th to 27th August 2019.

27. Resource Person for the Induction Programme for First Years (2019-2023) organized by University College of Engineering, Nagercoil and presented a lecture on "How to be a Successful Engineer" on 07.08.2019.
28. Resource Person for the International Conference "Digital Initiatives for higher Education: Quality and Pertinence" organized by the Department of Commerce, Manonmaniam Sundaranar University, Tirunelveli on 29.07.2019.
29. Resource Person for the Faculty Development and Training Programme on Cyber Forensics organized by the Department of Computer Science and Engineering, University College of Engineering, Nagercoil and funded by Centre for Faculty Development, Anna University, Chennai on 12th and 13th May 2019.
30. Guest Lecture on "Cybercrime and Society - Cybercrime concerning Women and Children" at the National Seminar on Cyber Security organized by the Department of Computer Science, Meenakshi college for Women (Autonomous), Chennai on 2nd March 2019.
31. Inaugural Address for the National Conference on Innovations in Computing Techniques and its Applications organized by the Department of CSE, V. V College of Engineering, Tisayanvillai on 15th February 2019.
32. Inaugural Address for the National Conference on Advanced Trends in Computer Science and Engineering organized by the Department of CSE and CSI, Dr. Sivanthi Aditanar College of Engineering, Tiruchendur on 28th March 2018.
33. Inaugural Address at the National Level Technical Symposium LOGIN 2K'18 organized by the Department of CSE, Thamirabharani Engineering College on 16th March 2018.
34. Inaugural Address at the State Level Technical Symposium SACTECHFEST'18 organized by Integrated Department of Computer Studies, Sadakathulla Appa College, Tirunelveli on 19th February 2018.
35. Invited Lecture on Internet of Things and Building Simple Applications using Raspberry Pi at the Intra Departmental Technical Symposium XPLORE'18 organized by Department of Computer Applications, M.S. University Constituent College, Kanyakumari on 9th February 2018.
36. Inaugural Address at JAIRCOV'17 (Association) organized by the Department of CSE, Jayaraj Annapackiam CSI College of Engineering, Nazareth on 2nd August 2017.
37. Invited Lecture on Internet of Things and Hands - on Using Raspberry Pi at the Refresher Course for faculty members organized by the Department of Computer Science, K.R Arts College, Kovilpatti on 31st May 2017.
38. Resource Person for the One day Workshop on Internet of Things and Hands - on Using Raspberry Pi organized by the Department of Computer Science and Engineering, Dr. Sivanthi Aditanar College of

Engineering, Tiruchendur on 21st April 2017.

39. Invited Lecture on Interdisciplinary Research and its Need with Case Study at the Two Days International Workshop on Recent Trends in Indian Medicine: A Technological Overview organized jointly organized by SCAD College of Engineering and Technology, Cheranmahadevi and Government Siddha Medical College, Palayamkottai on 23rd and 24th September 2016.
40. Inaugural Address at the National Conference on Intelligent Computing organized by the Department of CSE, Dr. Sivanthi Aditanar College of Engineering, Tiruchendur on 29th April 2016.
41. Valedictory Address at XPASO 2016, a Technical Symposium organized by the Department of Computer Science, St. Xavier's College, Palayamkottai on 6th February 2016.
42. Inaugural Address at the Eighth National Level Technical Symposium organized by Department of CSE and EEE of PSN College of Engineering and Technology Tirunelveli on 11th September 2015.
43. Inaugural Address at Dawn'15, the Technical Association at Francis Xavier Engineering College, Tirunelveli on 12th August 2015.
44. Invited Lecture on Project planning and How to come up with Successful Projects, Case Studies at the Department of MCA, Francis Xavier Engineering College, Tirunelveli on 12th August 2015.
45. One Day Lecture and hands on Training on Microsoft Word 2013 at the 5 Day Computer Training Programme for the Staff of Police Department organized by the Department of computer Science and Engineering, Regional Office, Anna University, Tirunelveli on 16th June 2015.
46. Inaugural Address at the National Conference on Advances in Intelligent Computing organized by the Department of CSE, Dr. Sivanthi Aditanar College of Engineering on 10th April 2015.
47. Invited lecture on Research and Application of IT for Innovation at the National Level Technical Symposium Exodus'15 organized by the Department of CSE, SCAD College of Engineering and Technology on 7th March 2015.
48. Invited lecture on Innovative Engineers at the 3rd National Level Technical Symposium organized by the Department of CSE, Holy Cross Engineering College on 26th February 2015.
49. Keynote Address at the Two Day National Conference on Applications and Challenges in VLSI and Embedded Technologies organized by the Department of ECE, Dr. Sivanthi Aditanar College of Engineering on 12th March 2014.
50. Invited Lecture on Data Hiding and Multi Resolution Analysis at the One day Seminar on Research Expansion in Digital Image Processing organized by the Department of Computer Applications, Regional Centre, Anna University, Tirunelveli on 28th February 2014.
51. Invited Lecture on Recent Advancements in Computing at the Department of Computer Science and Engineering, Dr. G. U. Pope College of Engineering on 16th September 2013.
52. Keynote Address at the Fifth National Conference on Advanced Trends in Computing organized by the Department of IT, Francis Xavier Engineering College on 5th April 2013.
53. Invited Lecture on Image Processing and Information Hiding at the Department of Computer Applications, Dr. Sivanthi Aditanar College of Engineering on 29th August 2012.

ACADEMIC / ADMINISTRATIVE ROLES PLAYED AT ANNA UNIVERSITY

- Director Incharge, Centre for Blended Learning and Human Empowerment (August 2024 – September 2025)
- Principal Consultant, Consultancy Works for Tirunelveli/Thoothukudi and Kanchipuram Corporations (June 2016 – March 2023)
- Head of the Department during 2011-2015.
- Zonal Officer, Anna University, Zone XX during 2014.
- Member, Inspection Committee for Affiliation of Institutions, Anna University, Chennai (2010- 2025)
- Member, Inspection Committee for Recognized Research Centre (2010- 2025)
- Member, Anna University Squad Team (2010- 2015)
- Question Paper Setter for other Universities, University Departments and Affiliated Colleges of Anna University (2010- Till Date)
- Acted as University Representative for monitoring the conduct of theory examinations (2010- 2015)
- Chief Editor, College Magazine 2014 – 2015.

PROFESSIONAL EXCELLENCE SUMMARY

- Member, Board of Studies, University Departments of Anna University, Chennai (CEG and MIT Campuses).
- University Nominee, Board of Studies of PERI College, Chennai from 2024-2027.
- Recognized Supervisor of Anna University, Chennai
- Member, Board of Studies, Anna University, Chennai from 2024 to 2027.
- Member, Board of Studies, Department of Information Technology, Francis Xavier Engineering College, Tirunelveli for the period 2019-2022.
- Member, Academic Council, PSR Engineering College, Sivakasi (2012 -2015)
- Member, Board of Studies, Department of Computer Science and Engineering, Manonmaniam Sundaranar University, Tirunelveli.
- Member, Board of Studies, Alagappa University, Karaikudi
- Nominated as Guest Faculty for PG Diploma in Cyber Security for Alagappa University, Karaikudi, TamilNadu
- Doctoral Committee Member for Ph.D scholars of various universities.
- Delivered Guest Lectures in other Engineering Colleges
- Acted as Conference/Symposia Chair

RESEARCH / PROJECT GUIDANCE

➤ **BE /ME. PROJECT SUPERVISION**

- a. Number of ME Projects Completed: 29 Nos.
b. Number of BE Project Completed: 26 Nos.

➤ **Ph. D. RESEARCH SUPERVISION (COMPLETED - 10)**

S. No.	Reg. No	Name of the Scholar	Mode of Study	Date of Viva Voce	Title of the Thesis
1	20117401025	N. KANTHIMATHI	FT	05.02.2018	Development of different approaches to Opportunistic Routing in underwater Wireless Sensor Networks
2	1424489166	D.JEYBHARATHI	FT	06.03.2018	Development of different approaches for Background Subtraction and Object Tracking
3	1424489206	J. V. BIBAL BENIFA	FT	23.07.2018	Automated frameworks for performance improvement of Map Reduce and Resource Auto-Scaling services in cloud Environment
4	1424489847	A. SHERLY ALPHONSE	FT	23.07.2018	Development of Feature Descriptors and Kernels of Dimension Reduction and Classification for Emotion Recognition in Human Computer Interaction
5	1524489406	ANI BROWN MARY	FT	03.06.2019	Development of Feature Descriptors and a Classifier for the Classification of Coral Reef and Coral Reef diseases
6	1324489184	A. SUGANYA	FT	26.06.2020	Approaches for Video Compression using Tensor based Compact Representation

7	1314489749	AJAY AMRIT RAJ	PT	28.12.2020	Analysis on suitable equalizer and development of an algorithm for channel estimation on CO-OFDM system
8	1322489263	M. NAVA BARATHY	PT	19.04.2021	Development of approaches for Data Aggregation in Wireless Multimedia Sensor Networks
9	1422489192	T. BRINDA	PT	23.04.2022	Development of Schemes for enhancing the Compression Performance in medical images
10	17244897707	M. KAVIYA ELAKKIYA	FT	17.11.2023	Development of novel Kernel Functions, Activation Functions and Deep Learning Models utilizing FMRI for Autism Screening

➤ **Ph. D. RESEARCH SUPERVISION (ONGOING -1)**

S. No.	Reg. No	Name of the Scholar	Mode of Study	Proposed Title for Research
1	21244897561	T. ANUSUYA	FT	Recognition of fish species in Indian Water Bodies using Deep Learning Techniques

COUNTRIES VISITED

- Visited Australia in December 2014. Had interactions with faculty at Monash University, Clayton Campus, Melbourne, Australia.
- Visited Sri Lanka in June 2015 for Paper Presentation at an International Conference.
- Visited Melbourne, Australia in March 2024 for Paper Presentation at an International Conference, ICCAE 2024. Had interactions with faculty from University of Melbourne and Macquarie University.

DECLARATION

I, Dr. Dejeý, hereby declare that the information given above are true to the best of my knowledge and belief.

Dr. Dejeý