

Name : **Dr. S. KARPAGAVALLI**
 Designation : Associate Professor & Head
 Department : Computer Science (UG)
 Qualification : MCA., MPhil., Ph.D.,
 Experience : Teaching 27 Years, Research 20 Years
 Area of Specialization : Machine Learning, Image Processing and
 Speech Recognition
 Email : karpagavalli@psgrkcw.ac.in



Academic Qualifications

Degree	Branch	Institution/University Name	Year of Graduation
Ph.D.	Computer Science	Bharathiar University	2017
M.Phil.	Computer Science	Manonmaniam Sundaranar University	2003
MCA	Computer Science	Gobi Arts and Science College (Autonomous), Gobichettipalayam	1998
B.Sc.	Physics	LRG Government Arts College, Tirupur	1995 (University VI Rank Holder)

Research Experience

- A recognized MPhil guide in Bharathiar University from **2006** and produced **14 MPhil scholars**
- Completed PhD in Computer Science in the area of **Speech Recognition** from Bharathiar University in **August 2017** and currently guiding **4 PhD Scholars** and **2 PhD Scholars** awarded
- Presented and published **70+ research papers** in reputed IEEE Xplore, Elsevier, Scopus, Web Of Science indexed journals, Book Chapters and International conference proceedings

Funded Projects

- Dr. S. Karpagavalli (PI) - **Tamil Speech Enabled Interface for Children with Learning Disabilities** – funded by GRG Trust -Rs. 36,000 - 2017 – 2018 – MINOR PROJECT
- Dr. S. Karpagavalli (PI) - **Design and Development of Diabetic Classification and Management System using Sensor Data** - funded by GRG Trust - Rs. 1.50 Lakhs - 2019 - 2021– MAJOR PROJECT
- Dr. S. Karpagavalli (PI) - **Tamil Speech Enabled Mobile Interface for Learning Disabled Children** – funded by ICSSR - IMPRESS - Rs. 4 Lakhs - 2019 - 2020 – MINOR PROJECT
- Dr. S. Karpagavalli (Co-PI) - **Virtual Fence -Design and Develop a mobile application using location-based services** - funded by GRG Trust -Rs. 55,000 - 2020 - 2021– MINOR PROJECT
- Dr. S. Karpagavalli (Sub-Coordinator) - **Developing Digital Pedagogies for Children with Special Needs** – Funded by UGC Stride Component II – 2021-22 & 2022-23– MAJOR PROJECT
- Dr. S. Karpagavalli (PI) - **A Report on ICT Tool catering to a wide range of learners including children with special needs** - Funded by Department of Scientific and Industrial Research Project (DSIR) A2K+ Programme - Rs. 9,66,000 - September 2023 to December 2024 – MAJOR PROJECT

Authored books

- **Object Oriented Analysis and Design for Beginners**, ISBN 978-93-84893-96-5, 2017, Airwalk Publications, Chennai – Learning material used by BCA, BSc IT and BSc CS students for a Skill Based Subject
- Dr. C. Arunpriya, Dr. S. Karpagavalli published an E-Book on **Test your skills in software testing** ASIN: B0837SX1LS, Amazon Kindle, December 2019
- **Introduction to Data Visualization tools**, ISBN: 9 - 788194 - 294030, Blue Hill Publishers, 2019 (Sponsored by DBT)
- Lab manual on **Biological Data Analysis**, ISBN: 9 -788194 - 294047, Blue Hill Publishers, 2019 (Sponsored by DBT)
- A. Kalaivani, S. Karpagavalli, **Introduction to Artificial Intelligence and Machine Learning**, LAP LAMBERT Academic Publishing, ISBN: 978-620-5-48826-3, Aug 2022
- Dr. S. Karpagavalli, Dr. J. VijiGripsy, Ms. P. Parvathi, Mrs. J. Gayathri published a Book on **A Guide to Understanding and Overcoming Dysgraphia**, 978-81-956487-3-3, Blue Hill Publishers, September 2022 (UGC Stride Sponsored)
- Dr. S. Karpagavalli, Dr. R. Vishnupriya, Dr. C. Arunpriya, Dr. J. Viji Gripsy, published a Book on **Problem Solving using Worksheets Lab Manual**, 978-81-953681-4-3, Blue Hill Publishers, September 2022(Sponsored by DBT)

- Dr. S. Karpagavalli, Ms. P. Parvathi published an E-Book on **MCQ's in Infrastructure Management**, ASIN: B0BQZFPWQ6, Amazon kindle, December 2022
- Dr. J. Viji Gripsy, Dr. S. Karpagavalli, Mrs. S. Ponmalar published an E-Book on **Java Programming: Practices**, ASIN: BOBS1G648, Amazon Kindle, January 2023
- Dr. S. Karpagavalli et.al **Robotic Process Automation for Beginners**, Blue Hill Publishers, 2021 ISBN: 978-81-951362-1-6
- Dr. S. Karpagavalli et.al., **Predictive Model for Discovering Appendicitis using Machine Learning**, Merimax International Publications, October 2025, ISBN :978-81-993169-7-3

List of Publications in International Journals / Conference Proceedings

- **“Machine Learning Approach for Preoperative Anaesthetic Risk Prediction”**, International Journal of Recent Trends in Engineering, Academy Publishers, Finland, Vol.1, No.2, pp 19-22, May 2009, ISSN 1797-9617.
- **“A Novel approach for password strength analysis through support vector machine”**, International Journal of Recent Trends in Engineering, Academy Publishers, Finland, Vol.2, No.1, pp 79-82, November 2009, ISSN 1797-9617.
- **“Password Strength Prediction using Supervised Machine Learning Techniques”** published in International Conference on Advances in Computing, Control and Telecommunication Technologies, ACT 2009. This paper can be archived in **IEEE Xplore** and IEEE CS Digital Library.
- **“An Interactive Tool for Yarn Strength Prediction using Support Vector Regression”** published in the International Conference on Machine Learning Computing, 2010. This paper published in CPS and indexed in Thompson CSI.
- **“Supervised Approach for Predicting the Quality of Cotton using WEKA”** published in the International Conference on Recent Trends in Business Administration and Information Processing (BAIP 2010) held on March 26-27, 2010 in Trivandrum, Kerala. Proceedings published by **Springer LNCS-CCIS** and available in the Springer Digital Library.
- **“Classification of Seed Cotton Yield based on the Growth stages of Cotton crop using Machine Learning Techniques”** published in the proceedings of International Conference on Advances in Computer Engineering (ACE 2010), held on June 21-22, 2010, Bangalore. This paper can be archived in **IEEE Xplore** and IEEE CS Digital Library.
- **“Proactive Password Strength Analyzer Using Filters and Machine Learning Techniques”** in the International Journal of Computer Applications (0975 – 8887) Volume 7– No.14, October 2010
- **“A Study on Email Spam Filtering Techniques”** in the International Journal of Computer Applications 12(1):7–9, December 2010. Published By Foundation of Computer Science.
- **“Email Spam Filtering using Supervised Machine Learning Techniques”** in the International Journal on Computer Science and Engineering (IJCSE) Vol. 02, No. 09, December 2010, 3126-3129

- **“Automatic Speech Recognition: Architecture, Methodologies, Challenges - A Review”** in International Journal of Advanced Research in Computer Science, Volume 2, Issue No 6, ISSN No: 0976-5697, Nov-Dec 2011.
- **“Isolated Tamil Digit Speech Recognition using Template-based Approach”** in International Journal of Computer Information Systems, Volume 3, Issue No 6, ISSN No: 2229-5208, Dec 2011.
- **“Isolated Tamil Digit Speech Recognition Using HMM-based Approach”** in International Journal of Computer Information System (ISSN No. 2229-5208, Vol. 3, No.6, January 2012).
- **“Isolated Tamil Digit Speech Recognition Using Template-Based and HMM-Based Approaches”**, Published in proceedings Global Trends in Information Systems and Software Applications of 4th international conference ObCom 2011, Part II, Volume 270 of Communications in Computer and Information Science (CCIS), pp.441-450, Springer Aug 2012. (Book Chapter)
- **“Isolated Tamil Words Speech Recognition using Linear Predictive Coding and Neural Networks”** in the International Journal on Computer Science and Management Research (IJCSMR) Volume 1, Issue 5, December 2012
- **“Scaly Neural Networks for Speech Recognition Using DTW and Time Alignment Algorithms”**, International Journal of Scientific and Research Publications, Volume 2, Issue 10, ISSN N0: 2250-3153.
- **“Electrocardiogram Beat Classification Using Support Vector Machine and Extreme Learning Machine”**, published in the book ICT and Critical Infrastructure: Proceedings of the 48th Annual Convention of Computer Society of India- Volume I, Advances in Intelligent Systems and Computing (AISC) Series, Published by Springer, Volume 248, 2014
- **“Electrocardiogram Beat Classification using Extreme Learning Machine and Hybrid Extreme learning machine”** in the proceedings of fourth International Joint Conference on Advances in Engineering and Technology held at New Delhi during 13-14 December 2013 published by Elsevier.
- **“Breast Cancer Classification using Support Vector Machine and Genetic Programming”** in International Journal of Innovative Research in Computer and Communication Engineering (IJIRCC), ISSN (print)2320 – 9798, ISSN (online)2320-9801 Vol. 1 Issue. 7 September, 2013.
- **“Mammogram Classification using Extreme Learning Machine and Genetic Programming”** in the International Conference on Computer Communication and Informatics at Sri Sakthi Institute of Engineering and Technology, Coimbatore during 3-4 January 2014 and published in the proceedings indexed in IEEE Xplore.
- **“Automatic Tag Recommendation for Journal Abstracts using Statistical Topic Modeling”** in CSI Annual Convention and International Conference on Emerging ICT for Bridging the Future and published in Springer Advances in Intelligent Systems and Computing (AISC Series) Volume 2, Issue 338, pages 565-572, DOI: 10.1007/978-3-319-13731-5_61 indexed in Springer.
- **“Diabetic Retinal Exudates Detection using Extreme Learning Machine”** in CSI Annual Convention and International Conference on Emerging ICT for Bridging the Future and published in Springer Advances in Intelligent Systems and Computing(AISC Series) Volume 2, Issue 338, pages 573-578, DOI: 10.1007/978-3-319-13731-5_62 indexed in Springer.

- **“LDA based Topic Modeling of Journal Abstracts”** in the International Conference on Advanced Computing & Communication Systems, held at Sri Eshwar College of Engineering, Coimbatore during 5-7 January 2015 and published in the conference proceedings, will be indexed in **IEEE Xplore Digital Library**.
- **“Diabetic Retinal Exudates Detection using Machine Learning Techniques”** in the International Conference on Advanced Computing & Communication Systems, held at Sri Eshwar College of Engineering, Coimbatore during 5-7 January 2015 and published in the conference proceedings, indexed in **IEEE Xplore Digital Library**.
- **“Phoneme and Word based Model for Tamil Speech Recognition using GMM-HMM”** in the International Conference on Advanced Computing & Communication Systems, held at Sri Eshwar College of Engineering, Coimbatore during 5-7 January 2015 and published in the conference proceedings, indexed in **IEEE Xplore Digital Library**.
- **“Speech Emotion Recognition using Classification Algorithms”**, International Journal of Applied Engineering Research (IJAER), Vol.10, Issue 5, Page 12893-12904, 2015 (**Scopus Indexed**, SJR: 0.13 H Index: 5)
- **“Tamil Phoneme Classification using Contextual Features and Discriminative Models”**, International Conference on Communication and Signal Processing (ICCSP’15), Adhiparasakthi Engineering College, Melmaruvathur, indexed in **IEEE Xplore Digital Library**, 2015
- **“Discovering Tamil Writer Identity Using Global and Local Features of Offline Handwritten Text”** in International Review on Computers and Software (IRECOS), Vol 8, No 9 (2013)(**Scopus indexed**, SJR:0.243, ICV: 6.54, H Index: 13)
- **“Analysis of Tamil character writings and identification of writer using Support Vector Machine”**, in IEEE International Conference on Advanced Communication Control and Computing Technologies (ICACCCT), 2014 indexed in **IEEE Xplore Digital Library**
- **“A Hierarchical Approach in Tamil Phoneme Classification using Support Vector Machine”**, Indian Journal of Science and Technology, Vol.8, No.35, DOI: 10.17485/ijst/2015/v8i35/80681, December 2015, indexed in **Scopus**, SJR – 0.273, SNIP – 1.289, Hindex 22.
- **“Recognition of Tamil Syllables using Vowel Onset Points with Production, Perception based Features”**, ICTACT Journal on Soft Computing, Vol.6, No.2, pp.1163-1170, January 2016, indexed in Index Copernicus.
- **“Prediction of Lung Disease using HOG Features and Machine Learning Algorithms”**, Innovative Research in Computer and Communication Engineering, Vol. 4, Issue 1, January 2016
- **“Offline Handwritten Mathematical Expression Recognition”**, International Journal of Innovative Research in Computer and Communication Engineering, Vol. 4, Issue 1, January 2016
- **“Classification of Lung Disease using Local and Global Descriptors”**, International Journal of Computer Applications (0975 –8887) Volume 135 – No.6, February 2016
- **“Stop Consonant-Short Vowel (SCSV) classification for Tamil Speech Utterances”**, International Review on Computers and Software (IRECOS), Vol.11, No.2, February 2016, indexed in **Scopus**, SJR – 0.299, SNIP – 0.339, Hindex 13.

- **“A Review on Automatic Speech Recognition Architecture and Approaches”**, International Journal of Signal Processing, Image Processing and Pattern Recognition, Vol.9, No.4, 2016, indexed in McCabell.
- **“A Review on Sub-word unit Modeling in Automatic Speech Recognition”**, IOSR Journal of VLSI and Signal Processing, Vol. 6, No. 6, Nov. – Dec. 2016, indexed in Google Scholar.
- **“Multi-label classification- Problem Transformation methods in Tamil Phoneme Classification”**, In Proceedings of 7th International Conference on Advances in Computing & Communications (ICACC August 2017), Kochi, available at **Scopus indexed Elsevier Procedia Computer Science**.
- **“Tamil Speech Enabled Interface Using Robust Tamil Consonant-Vowel Model”**, International Journal of Pure and Applied Mathematics, Volume 119 No. 18 2018, 4003-4017 ISSN: 1314-3395 (on-line version) url: <http://www.acadpubl.eu/hub/>
- **“Design and Development of Mobile Application for Diabetic Patient Blood Glucose Level Management”** Journal of Critical Review. July 2020; 7(9):pp. 2284-2289, ISSN 1598-1604. doi:10.31838/jcr.07.09.296 Scopus Indexed.
- **“A survey on skin disease classification using pre-trained deep learning algorithms”**, International Journal of Advanced Science and Technology, Vol. 29 No 5, pp: 13872-13880, October 2020. (Scopus Indexed)
- **“Novel QR Code Tagging System for Campus Vegetation to Promote Eco-restoration, Bioremediation and Green Technologies**, Springer 1st edition, Chapter 22, February 2021, pp. 319-327, ISBN 978-3-030-64122-1 –Scopus Indexed.
- **“Segmentation and Classification Network Model for Skin Disease Classification Using Deep Learner”**, Linguistica Antverpiensia, Vol. 2021 No. 3, pp: 1-12, June 2021. (Scopus Indexed)
- **“Designing a SegClassNet model based on new loss function for skin disease classification”**, Turkish Online Journal of Qualitative Inquiry, Vol.12 No. 3, pp: 1675-1687, August 2021. (Scopus Indexed)
- **“Tamil Speech Assistive Mobile Applications for Learning Disability Children”** Materials Today: Proceedings published by Elsevier, Scopus indexed journal with SJR factor 0.3 and H Index 27. doi:10.1016/j.matpr.2021.01.050
- **“Detection and Classification of Skin Diseases with Ensembles of Deep Learning Networks in Medical Imaging”**, International Journal of Health Sciences, Vol.6 No. S1, pp: 13624–13637, May 2022. (Scopus Indexed)
- **“Skin Disease Identification and Classification Optimization Study Using Random Forest Boosted Deep Learning Neural Networks”**, Neuro Quantology, Volume 20: No. 8, pp:197-206, July 2022, doi: 10.14704/nq.2022.20.8.NQ44022 (Scopus Indexed)
- **“Deep Neural Network Optimization for Skin Disease Classification Forecast Analysis”**, 8th International Conference on Advanced Computing and Communication Systems (ICACCS), March

2022, pp: 708- 713, doi: 10.1109/ICACCS54159.2022.9785004 – IEEE Xplore

- **“A Deep Ensemble Model for Automated Multiclass Classification Using Dermoscopy Images”**, 6th International Conference on Computing Methodologies and Communication (ICCMC), April 2022, pp: 1419-1423, doi:10.1109/ICCMC53470.2022.9753708, - IEEE Xplore
- **“Machine Learning and Deep Learning Techniques for Classification of Skin Disease Diagnosis: A Review”**, Journal of Education: Rabindra Bharati University, Vol. 25, No.5 (III), pp: 128 - 136. May 2022. (UGC CARE – I)
- **“An Image Analysis-Based Deep Learning Framework for Dermatology Disorder Classification and Detection”**, Indian Journal of Natural Sciences, Vol. 13 No. 76, pp: 53321– 53326, February 2023, (WoS Indexed).
- **“A Survey and Analysis of Deep Learning Techniques for Bird Species Classification”** International Conference on Sustainable Computing and Smart Systems (ICSCSS), Coimbatore, India, 2023, pp. 215-221, doi: 10.1109/ICSCSS57650.2023.10169573.
- **“Marker Based Augmented Reality Experience To Trees”**, Webology, 2022, Vol 19, Issue 2, p3371 (Scopus Indexed)
- **“Expert Automated System for Prediction of Multi-type Dermatology Sickness using Deep Neural Network Feature Extraction”**, International Journal of Intelligent Systems and Applications in Engineering, 2147-67992, Article (95), <https://ijisae.org/index.php/IJISAE/article/view/2557/1139>
- **"Multi-class Classification of Insects using Deep Neural Networks"** 2023 International Conference on Computer Communication and Informatics (ICCCI), Coimbatore, India, 2023, pp. 1-5, doi: 10.1109/ICCCI56745.2023.10128549
- **“Advanced Domain Adaptation for Skin Disease Segmentation and Classification using Bootstrapping of Fine -tuned Deep Learner”**, Multimedia Tools and Applications, ISSN:1380-7501 E-ISSN:1573-7721, 2024, (Scopus Indexed, ESCI)
- **“Bootstrapping of Fine-Tuned Segmentation and Classification Network for Epidermis Disorder Categorization”**, Multimedia Tools and Applications,83, 18907–18917 (2024). <https://doi.org/10.1007/s11042-023-16255-3>, (Scopus Indexed, ESCI)
- **“Critical Review of Deep Learning Algorithms for Plant Diseases by Leaf Recognition”** Journal of Contemporary Issues in Business and Government, Vol. 27, No. 5, P-ISSN: 2204-1990; E-ISSN: 1323-6903, DOI:10.47750/cibg.2021.27.05.044, pp: 720 – 729, August 2021 (Web of Science & UGC Care Indexed)
- **“Positional-aware Dual Attention and Topology Fusion GAN for Plant Leaf Disease Image Super-resolution and Classification”** LINGUISTICA ANTVERPIENSIA, 2021 Issue-3, ISSN: 0304-2294, pp-013-025, June 2021 (Scopus Indexed)
- **“An Evolutionary Optimization of Positional- Aware Dual-Attention and Topology-Fusion Generative Adversarial Network for Plant Leaf Disease detection”** Turkish Online Journal of Qualitative Inquiry (TOJQI), Vol. 12 No. 3, ISSN: 2904-2922, e-ISSN 1309-6591, pp:2904 – 2922,

July 2021 (Scopus Indexed)

- **“Plant leaf disease image resolution classification using deep convolutional neural network”** International Journal of Natural Sciences (IJONS), Vol. 13 No. 71, ISSN: 0976-0997, pp: 40712-40722, April 2022 (Web of Science Indexed)
- **“Pesticide Recommendation for Different Leaf Diseases and Related Pests Using Multi-Dimensional Feature Learning Deep Classifier”** International Information and Engineering Technology Association (IIETA), Vol. 28 No. 1, ISSN: 1633-1311, E-ISSN: 2116-7125, pp: 133-140, February 2023 (Scopus Indexed)
- **“Critical Review of Deep Learning Algorithms for Plant Diseases by Leaf Recognition”**, 2nd National Conference of Education, Research and Innovation (ERI), Osmania University Center for International Program, Osmania University Campus, Hyderabad (India), June 2021, ISBN: 978-81-952307-6-1.03, pp: 114 – 122
- **“Plant Leaf Disease Image Resolution Classification Using Deep Convolutional Neural Network”** International Conference on Science & Technology – Computational Intelligence, Kristu Jayanti College, Bengaluru, March’22, ISBN: 978-93-94086-07-4, pp: 12.
- **“Plant Leaf Disease Image Super Resolution Classification Using PGANDEEP Convolution Neural Network”** in International Conference on Intelligence Computing and Technology ICICT - 2022, Sri Ramakrishna College of Arts and Science, Coimbatore, March 2022, ISBN: 978-93-91977-13-9, pp:25-32.
- **Deep Learning Strategies for Meat Classification: A CNN based Approach**, International Conference on BIOEVOLUTION- PIONEERING INNOVATIONS IN LIFE SCIENCES (BIO-PILS - 2024), March 2024, Abstracts book, Advances in Applied Research, print ISSN-0974-3839
- **“Automated Insect Species Classification using Deep Convolutional Neural Networks: A comprehensive Analysis of Taxonomic Levels and Performance Metrics”**, International Conference on BIOEVOLUTION- PIONEERING INNOVATIONS IN LIFE SCIENCES (BIO-PILS - 2024), March 2024, Abstracts book, Advances in Applied Research, print ISSN-0974-3839
- **“Exploration of Deep Generative Models for Addressing Data Imbalance in Computer Vision”**, 2nd Congress on Smart Computing Technologies (CSCT 2023) by SAU Center for Research and Innovative Learning (SCRIL), South Asian University, India, published in Bansal, J.C., Sharma, H., Chakravorty, A. (eds) Congress on Smart Computing Technologies. CSCT 2023. Smart Innovation, Systems and Technologies, vol 396, pp 533–570, Springer, Singapore, February 2025. https://doi.org/10.1007/978-981-97-8096-9_39 (Scopus Indexed)
- **“Leveraging pretrained models for meat freshness and spoilage detection”**, 2nd international conference on Artificial Intelligence: theory and applications, IBS, Bangalore, AITA 2024, Springer Lecture notes in network and systems, Book chapter published in book- Artificial Intelligence: Theory and Applications (pp.565-577) Doi:10.1007/978-981-96-1918-4_40, June 2025, Scopus Indexed

- **“Graphs Target Relations and Class Attention Model for Deep Bird species Detection Network”**, International Journal of Intelligent Engineering and Systems (IJIES), Vol. 18, Issue 3, March 2025, Scopus Indexed Q2, SCI, DOI: 10.22266/ijies2025.0430.40
- **“Integration of a Dual Hybrid Deep Convolutional Neural Network Framework for Insect Taxonomic Classification”**, Journal of Computational Non-linear Analysis, Scopus Indexed Q4, Accepted, will be published in June 2025
- **“Content Aware Dynamic Self-Attention Mechanism and Sustainable Feature Pyramidal Network for Improving Deep Learning Based Insect Classification”**, International conference on computational intelligence (ICCI-25) FEB 27, 28 2025, Kristu Jayanti College(Autonomous), Bangalore, published in conference proceedings with ISBN:978-81-983354-7-0
- **“A Survey and comparative analysis on Deep Learning approaches for Taxonomic Level classification of Insects”**, International conference on computational intelligence (ICCI-25) FEB 27, 28 2025, Kristu Jayanti College (Autonomous), Bangalore, published in conference proceedings with ISBN:978-81-983354-7-0
- **“A position aligned model class attention based bird species”**, International conference on computational intelligence (ICCI-25) FEB 27, 28 2025, Kristu Jayanti College (Autonomous), Bangalore, published in conf.proceedings with ISBN:978-81-983354-7-0
- **“Enhancing Insect Species Classification through Multi-Level Feature Pyramid and Graph Attention Networks”**, International Journal of Intelligent Engineering and Systems (IJIES), Scopus Indexed Q2, SCI, June 2025
- **"Thalassemia Prediction Using Deep Neural Networks: A Step Towards Personalized Medicine"**, 2nd International Conference on Machine Learning and Autonomous Systems (ICMLAS 2025), Stamford International University, Bangkok, Thailand, March 10-12, 2025, will be available in proceedings published by IEEE Xplore.
- **“An Enhanced Class Attention Based Deep Bird Species Detection Network”**, Ingénierie des systèmes d information. Vol. 30, Issue 9. Scopus Indexed, September 2025 Doi: 10.18280/isi.300908.

Editor in conference proceedings

- Chief Editor in Conference Proceedings of **National Conference on Emerging Trends and Opportunities in Augmented, Virtual, and Mixed Reality** - Published by RN Publishers, Sivakasi – ISBN: 978-81-984398-2-6 – February 2025
- Editor in Conference Proceedings of **National Conference on Applications of Intelligent Robotic Process Automation** - Published by Blue Hill Publishers, Coimbatore – ISBN: 9788195368150 – March 2022
- Editor in Conference Proceedings of **National Conference on Recent Trends and Computing Technologies** - Published by Blue Hill Publishers, Coimbatore – ISBN: 9788195368150 – September 2018

Professional Memberships and Reviewer in Journals

- International Association of Computer Science and Information Technology (IACSIT)
- International Association of Engineers (IAENG)
- Life member in Indian Society for Technical Education (ISTE)

- GenAI forum member
- UiPath forum member
- Acting as reviewer in more than 10 reputed journals and Conferences

International Academic Exposure

- Attended the **Global Immersion Programme** at **James Cook University, Singapore**, from **September 24, 2022, to October 8, 2022**.
- Served as a **Short-Term Scholar in Computer Science** at **Binghamton University, State University of New York**, from **September 24, 2023, to October 7, 2023**.
- **Attended a conference on “Empowering Tomorrow: AI, Skills, and Global Competence,”** organized by ICT Academy, in association with IEG Campus and EMGS Malaysia held on 3rd–4th July 2025 at Kuala Lumpur, Malaysia.

Awards and Recognitions

- Recipient of **Best Researcher Award** from Indian Academic Researchers' Association (IARA)
- **Nation Builder Award** from IQAC and Rotaract club Coimbatore and PSGRKCW
- Instrumental in recognition of the Institution by ICT Academy in various activities like Learnathon, MongoDB etc.,
- Recognized consecutively from ICT Academy, Tamil Nadu for the sincere efforts with **Best Co-ordinator Award** from 2020 to 2025
- Instrumental in receiving **Best Department Award** – UG CS in 2019, 2022 and 2023.
- Recognized by KCW for the contribution in coordinating ICT academy activities with **Best faculty Award** in 2023
- Instrumental in receiving **Partner of the year - Curriculum Integration** in UiPath Academic Submit 2024 - UiPath India Academic awards held in Bangalore February 2024
- **Best Educator Award** from UiPath Academic Alliance in February 2024 for the contribution in RPA awareness and skill development
- **Rising Contributor Award** from ICT Academy for the outstanding support and active participation in MangoDB Skill-a-thon 2025 in August 2025