

**Dr. B. Rajalingam B.Tech., M.E., Ph.D.,
Associate Professor & HOD/AI&DS**



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Researcher ID'S
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Researcher ID: O-3126-2017 (h – Index : 11, i10 – index: 12, Citations: 304)
Google Scholar: https://scholar.google.com/citations?user=dm3NnD0AAAAAJ&hl=en
Research Gate: https://www.researchgate.net/profile/Rajalingam_Balakrishnan

CAREER PROFILE

Objective
To pursue a challenging career and be part of a progressive organization that gives scope to enhance my knowledge, skills and to reach the pinnacle in the computing and research field with sheer determination, dedication and hard work.
Personal Attitude
Comprehensive problem solving abilities, ability to cope and work with people in groups, leadership quality, excellent communication, analytical and interpersonal skills.

ACADEMICS

Exam	Institute	Board	Year of Study	Percentage
PhD – Full Time (CSE)	Annamalai University	Annamalai University	2016 – 2019	Awarded (July 2020)
M.E (CSE)	Annamalai University	Annamalai University	2010 – 2012	8.66 * (First Class)
B.Tech (IT)	Alpha College of Engineering, Chennai.	Anna University	2006 – 2010	67.34% (First Class)
HSC	Vallalar Gurukulam. H.S.S, Vadalur.	Tamilnadu State Board	2005 – 2006	51%
SSLC	Vallalar Gurukulam. H.S.S, Vadalur.	Tamilnadu State Board	2003 – 2004	75.2%

* **OGPA** – Overall Grade Point Average, Out of 10

TECHNICAL SKILLS

Operating Systems	Window XP, Windows 7, 8 & 10 and Ubuntu
Languages	C, C++, Java, Python
Developer Applications	MATLAB 2013 & 2015
Computer Vision Libraries	OpenCV
Office Package	Microsoft Word, Microsoft Excel, Microsoft Access and Microsoft PowerPoint.
Documentation Tool	LaTex
Hardware	PC Assembling, Installation of Windows
Handled Subjects(Theory)	Object Oriented Programming, Data Structures, programming and data structure II, Computer Architecture, Computer Networks, System Software, Object Oriented Analysis and Design and Intellectual Property Rights
Handled Subjects(Laboratory)	Object Oriented Programming Lab, Data Structures lab, , programming and data structure II Lab, Computer Networks Lab, System Software lab, computer programming lab(UNIX) Case tools lab and Open source lab(FOSS)

TEACHING EXPERIENCE

St. Martin's Engineering College (UGC Autonomous), Secunderabad, Telangana, India - 500014	Currently working as Associate Professor in the Department of Computer Science and Engineering from 17 th March 2021 to Till now.
Priyadarshini College of Engineering & Technology, Nellore, Andhra Pradesh, India	Worked as an Assistant Professor in Department of Computer Science and Engineering from 03 th December 2019 to 12 th March, 2021.
Aksheyaa College of Engineering, Puludivakkam, Kancheepuram District, Tamil Nadu, India - 603 314.	Worked as an Assistant Professor in Department of Computer Science and Engineering from 18 th June 2012 to 04 th November 2016.

RESEARCH EXPERIENCE

PhD (Full-Time Scholar)	Department of Computer Science and Engineering, Faculty of Engineering and Technology, Annamalai University, Annamalainagar from 9 th November 2016 to 21 st November 2019 (3 Years)
Research Methodology Papers	1. Research Methodology 2. Advanced Image processing 3. Medical Image Processing
Research Interests	Medical Image Processing, Machine Learning and deep learning and Network security

Thesis Title at Ph.D (CSE)	Novel Approaches for Diagnosis of Diseases using Hybrid Multimodality Medical Image Fusion Techniques Domain: Medical Image Processing
Thesis Title at M.E (CSE)	Sketch Based Image Retrieval System Domain: Image Processing
Thesis Title at B.Tech (IT)	Secure Inter Domain Source Routing Domain: Network Security

JOURNAL REVIEWER

1. Journal of The Institution of Engineers (India): Series B
2. Asian Journal of Mathematics and Computer Research
3. Journal of Ambient Intelligence and Humanized Computing
4. 3D Research
5. IEEE Access
6. Journal of Ambient Intelligence and Humanized Computing.
7. Cogent Engineering (Taylor & Francis).
8. Journal: Frontiers in Neurorobotics.
9. Asian Journal of Research in Computer Science.
10. Journal of Scientific Research and Reports.
11. Archives of Current Research International
12. Cogent Engineering
13. Frontiers In Computational Neuroscience

Book Published

S. No.	ISBN Number	Title of the Book	Publisher
1	8195391737	Python Programming	Students Helpline Publishing House Pvt. Ltd.

PEER REVIEWED INTERNATIONAL PUBLICATIONS

1. **B Rajalingam**, R Santhosh Kumar, P Deepan, P Santosh Kumar Patra, S Bavankumar,(2022), A Smart System for Sign Language Recognition using Machine Learning Models, 4th International Conference on Advances in Computing, Communication Control and Networking (ICAC3N), **IEEE Xplore (Scopus indexed)**
2. R Santhoshkumar, **B Rajalingam**, P Deepan, P Santosh Kumar Patra,(2022) Smart Plant Leaf Disease Detection System using Internet of Thing (IOT) and PLDP Net-RF Model, 4th International Conference on Advances in Computing, Communication Control and Networking (ICAC3N), **IEEE Xplore (Scopus indexed)**.
3. P Deepan, R Santhosh Kumar, **B Rajalingam**, P Santosh Kumar Patra, S PonnuthuraiAn Intelligent Robust One Dimensional HAR-CNN Model for Human Activity Recognition using Wearable Sensor Data, 4th International Conference on Advances in Computing, Communication Control and Networking (ICAC3N), **IEEE Xplore (Scopus indexed)**.
4. **Rajalingam, B.**, Santhoshkumar, R., Deepan, P., & Alexander, P. (2022). Canny Edge Detection Algorithm: A Modern Traffic Control System using. Journal of Optoelectronics Laser, 41(9), 531-542. **(Scopus indexed)**
5. Santhoshkumar, R., **Rajalingam, B.**, Deepan, P., Jawaherlalnehru, G., &

- Bavankumar, S. (2022). Plant Leaf Disease Prediction: A PLDD Net-SVM Model Proposed using Internet of Thing (IOT) and Integrated Learning Model. Journal of Optoelectronics Laser, 41(9), 543-551. (**Scopus indexed**)
6. A New improved NSST based Multimodal Medical Imaging System based on GWO and Image Enhancement with NLM Algorithm, 2nd International Conference on Advance Computing and Innovative Technologies in Engineering, **IEEE Xplore (Scopus indexed)**
 7. **B.Rajalingam**, R. Santhoshkumar “ “Robust Emotion Recognition on Hand Crafted Features in Static Action Sequences” Special Issue Submission: Artificial Intelligence and Machine Learning for Service Oriented Architecture, Journal of Database Management (JDM), IGI Global Publisher
 8. K.P. Sanal Kumar, S Anu H Nair, Deepsabhra Guha Roy, **B. Rajalingam**, R. Santhoshkumar (2021) “Security and privacy-aware Artificial Intrusion Detection System using Federated Machine Learning” Computers & Electrical Engineering, Volume 96, Part A, December, 107440 (**UGC CARE and Scopus Indexed**).
 9. **Dr. B.Rajalingam**, Dr. R.Santhoshkumar, Dr. G.Govinda Rajulu, P.Deepan, S. Bavankumar, Dr. P. Santosh Kumar Patra, (2021) “ Hybrid Integration of Transforms with Neural Network based Fusion Techniques for clinical and Healthcare Applications” Vol. 12 No. 9, Turkish Online Journal of Qualitative Inquiry (**Scopus Indexed**).
 10. Dr. R.Santhoshkumar, **Dr. B.Rajalingam**, Dr. G.Govinda Rajulu, Dr. G.Jawaherlalnehru, P.Deepan, Dr. P. Santosh Kumar Patra (2021) “Fuse the Multimodality Medical Images using Transforms with Neuro Fuzzy based Hybrid Fusion Techniques” Vol. 12 No. 9, Turkish Online Journal of Qualitative Inquiry (**Scopus Indexed**).
 11. S. Bavankumar, **Dr. B. Rajalingam**, Dr. R. Santhoshkumar, Dr. G. JawaherlalNehru, P.Deepan, N. Balaraman, M. Mahashree (2021) “A Real Time Prediction and Classification of Face Mask Detection using CNN Model” Vol. 12 No. 8, Turkish Online Journal of Qualitative Inquiry (**Scopus Indexed**).
 12. P.Deepan, Dr. L.R. Sudha, Dr. T. Poongothai, **Dr. Rajalingam**, Dr. R.Santhoshkumar (2021) “An Effective Multi-class Object Detection Model for Remotely Sensed Image using Mask R- DCNN” Vol. 12 No. 9, Turkish Online Journal of Qualitative Inquiry (**Scopus Indexed**).
 13. Dr. G.JawaherlalNehru, Dr. S.Jothilakshmi, Dr. S. Jothishri, S. Bavankumar, **Dr. B. Rajalingam**, Dr. R.Santhoshkumar (2021) “Music Genre Classification Using Deep Learning Techniques” Vol. 12 No. 8, Turkish Online Journal of Qualitative Inquiry (**Scopus Indexed**).
 14. N.Balaraman, Dr. B.Rajalingam, Dr. R.Santhoshkumar, Dr. P. Santosh Kumar Patra, (2021) “A Voxel Based Morphometry Approach for Identifying Alzheimer From MRI Images Using an Optimized PSO Algorithm” Turkish Online Journal of Qualitative Inquiry (**Scopus Indexed**).
 15. **Dr. B. Rajalingam**, Dr. R.Santhoshkumar, Dr. G. Govinda Rajulu, Dr. R. Vasanthselvakumar, Dr. G. JawaherlalNehru, Dr. P. Santosh Kumar Patra (2021) “Survey On Automatic Water Controlling System For Garden Using Internet Of Things (Iot)” The George Washington International Law Review, Vol.- 07 Issue -01 April-June 2021 (**UGC Approved**).
 16. Dr. R.Santhoshkumar, **Dr. B. Rajalingam**, Dr. G. Govinda Rajulu,

- Dr. R. Vasanthselvakumarm, Dr. G. JawaharlalNehru, Dr. P. Santosh Kumar Patra (2021) “Visual Based Human Action Recognition Using Machine Learning Algorithms” *The George Washington International Law Review*, Vol.- 07 Issue - 01 April-June 2021 (UGC Approved).
17. **B.Rajalingam**, R. Santhoshkumar (2020) “Intelligent Multimodal Medical Image Fusion with Deep Guided Filtering”, *Multimedia Systems*, Springer-Verlag GmbH Germany, part of Springer Nature 2020, (SCI Indexed) <https://doi.org/10.1007/s00530-020-00706-0>
 18. **Rajalingam B.**, Priya R., Bhavani R. (2020) Multimodal Medical Image Fusion Using Discrete Fractional Wavelet Transform (DFRWT) with Non-subsampled Contourlet Transform (NSCT) Hybrid Fusion Algorithm, *Lecture Notes in Computational Science and Engineering*, ICCVBIC 2018. Springer, Cham. https://doi.org/10.1007/978-3-030-41862-5_115. (UGC Approved and Scopus Indexed).
 19. **B.Rajalingam**, R.Priya, R. Bhavani, G.Shankar, R.Santhoshkumar (2020) “Transforms with Type 2 Fuzzy Logic Based Hybrid Medical Image Fusion Technique” *International Journal of Grid and Distributed Computing*, Vol. 1, No. 1, pp. 2613-2629 (Web of Science Indexed).
 20. **B.Rajalingam**, R.Priya, R. Bhavani (2019) “Medical Image Fusion based on Hybrid Algorithms for Neurocysticercosis and Neoplastic Disease Analysis” *Journal of Mechanics of Continua and Mathematical Sciences*, Vol.-14, No.- 4, July-August, pp 171-187, ISSN (Online) : 2454 -7190, (Web of Science Indexed).
 21. **B.Rajalingam**, R.Priya, R. Bhavani (2019) “Hybrid Multimodal Medical Image Fusion Using Combination of Transform Techniques for Disease Analysis” *Procedia Computer Science, Elsevier*, ISSN: 1877-0509 (UGC Approved and Scopus Indexed).
 22. **B.Rajalingam**, R.Priya, R. Bhavani (2019) “Hybrid Multimodal Medical Image Fusion Algorithms for Astrocytoma Disease Analysis” *Communications in Computer and Information Science (CCIS), Springer Series*, ISSN: 1865 – 0929 (UGC Approved and Scopus Indexed).
 23. **B.Rajalingam**, R.Priya, R. Bhavani (2019) “Multimodal Medical Image Fusion Using Hybrid Fusion Techniques for Neoplastic and Alzhimers’s Disease Analysis” *Journal of Computational and Theoretical Nanoscience*, Vol. 16, 1–12, ISSN: 1546-1955 (UGC Approved and Scopus Indexed).
 24. K. Venkatesh, P.Rajkumar. S. Hemaswathi, **B.Rajalingam** (2018) “IoT Based Home Automation Using Raspberry Pi, *Journal of Advanced Research in Dynamical & Control Systems*” Vol. 10, 07-Special Issue, pp. 1721- 1727, ISSN No: 1943-023X (UGC Approved and Scopus Indexed).
 25. R. M. Balajee, N. Nithiyandam, **B.Rajalingam** (2018) “Performance Improvement in Mobile Web Browsers Using Element Grouping on Common Viewing Problem” *Journal of Advanced Research in Dynamical & Control Systems*, Vol. 10, 07-Special Issue, pp. 1749 - 1756, ISSN No: 1943-023X (UGC Approved and Scopus Indexed).
 26. **B.Rajalingam**, R.Priya (2018) “Multimodal Medical Image Fusion based on Deep Learning Neural Network for Clinical Treatment Analysis” *International Journal of ChemTech Research*, Volume 11, No. 6, pp.160-176, ISSN: 2455-9555 (Scopus Indexed).
 27. N. Nithiyandam, Dr. P. Latha Parthiban, **B. Rajalingam** (2018) “Effectively Suppress the Attack of Sinkhole in Wireless Sensor Network using Enhanced Particle Swarm Optimization Technique” *International Journal of Pure and Applied Mathematics*, Volume 118, No. 9, pp. 313-329, ISSN: 1314-3395 (UGC and Scopus Indexed).
 28. C.Rajaravi, P.Yogesh, **B.Rajalingam**, (2018) Heat Transfer Analysis of Carbon-Carbon Composite Materials in Gas Turbine Combustion Chamber, *International Journal of Pure and Applied Mathematics*, Volume 118, No. 5, pp. 805-814,

- ISSN: 1314-3395 (**UGC and Scopus Indexed**).
29. **B.Rajalingam, R.Priya (2018)** "Enhancement of Hybrid Multimodal Medical Image fusion techniques for clinical disease analysis" *International Journal of Computer Vision and Image Processing, IGI Global Publisher, Volume 8, No. 3*, pp. 16-40, ISSN: 2155-6989 (**UGC Approved, ACM Digital Library Indexing**).
 30. **B.Rajalingam, R.Priya (2018)** "Multimodal Medical Image Fusion Using Various Hybrid Fusion Techniques For clinical Treatment Analysis" *Smart Construction Research Volume 2, Number 2*, pp.1-20, ISSN: 2529-7740 (**CNKI Scholar, Cross ref**).
 31. **B.Rajalingam, R.Priya (2018)** "Hybrid Multimodality Medical Image Fusion Technique for Feature Enhancement in Medical Diagnosis" *International Journal of Engineering Science Invention (IJESI)*, Volume 2, Special Issue, pp. 52-60, ISSN: 2319-6726 (**UGC Approved**).
 32. **B.Rajalingam, R.Priya (2018)** "Combining Multi-Modality Medical Image Fusion Based on Hybrid Intelligence for Disease Identification" *International Journal of Advanced Research Trends in Engineering and Technology (IJARTET)*, Volume 5, Special Issue 12, pp. 862-870, ISSN: 2394-3777 (**UGC Approved**).
 33. **B.Rajalingam, R.Priya (2018)** "Review of Multimodality Medical Image Fusion Using Combined Transform Techniques for Clinical Application" *International Journal of Scientific Research in Computer Science Applications and Management Studies*, Volume 7, Number 3, pp. 95-101, ISSN: 2394-4099 (**UGC Approved**).
 34. **B.Rajalingam, R.Priya (2018)** "Hybrid Multimodality Medical Image Fusion based on Guided Image Filter with Pulse Coupled Neural Network" *International Journal of Scientific Research in Science, Engineering and Technology*, Volume 3, Special Issue, No. 5, pp. 86-99, ISSN: 2394-4099 (**UGC Approved**).
 35. **B.Rajalingam, R.Priya (2017)** "Multimodality Medical Image Fusion Based on Hybrid Fusion Techniques" *International Journal of Engineering and Manufacturing Science*, Vol.7, No.1, pp. 22-29, ISSN: 2249-3115 (**UGC Approved**).
 36. **B.Rajalingam, R.Priya (2017)** "A Novel approach for Multimodal Medical Image Fusion using Hybrid Fusion Algorithms for Disease Analysis" *International Journal of Pure and Applied Mathematics*, Volume 117, No. 15, pp. 599-619, ISSN: 1311-8080 (**Scopus Indexed and UGC Approved**).
 37. **B.Rajalingam (2013)** "Efficient Image Retrieval System using Sketches" *International Journal of Engineering Research and Technology (IJERT)*, Volume 2, No.2, February, ISSN: 2278-0181.

BOOK CHAPTER

1. **B.Rajalingam, R.Priya, R. Bhavani (2018)** "Chapter 3 - Comparative Analysis for Various Traditional and Hybrid Multimodal Medical Image Fusion Techniques for Clinical Treatment Analysis", *Image Segmentation: A Guide to Image Mining*, ICSES Transactions on Image Processing and Pattern Recognition (ITIPPR), ICSES Publisher, pp. 1-250, ISBN: 978-622-00-1091-3, DOI: 10.31424/icses.itippr.2018.v4.n4.
2. **B.Rajalingam, R.Priya, R. Bhavani (2019)** "Chapter 10 - Hybrid Multimodality Medical Image Fusion Using Various Fusion Techniques with Quantitative and Qualitative Analysis" *Advanced Classification Techniques for Healthcare Analysis*, IGI Global Publisher, February, pp. 206-233, EISBN13: 9781522577973, DOI: 10.4018/978-1-5225-7796-6.
3. **B.Rajalingam, R.Priya, R. Bhavani, R. Santhoshkumar (2020)** "Image Fusion Techniques for different Multimodality Medical Images based on various Conventional and Hybrid Algorithms for Disease Analysis" *Book: Applications of advanced Machine Intelligence in Computer Vision and Object Recognition*, IGI Global Publishers.
4. **B.Rajalingam, R.Priya, R. Bhavani (2020)** "Comparative Analysis of Hybrid Fusion Algorithms using Neurocysticercosis, Neoplastic, Alzheimer's and Astrocytoma Disease affected Multimodality Medical Images", *Book: Advanced Machine Vision Paradigms for Medical Image Analysis*, Elsevier.
5. **Dr. B.Rajalingam (2022)** "Multimodality Medical Images for Healthcare Disease

- Analysis” Medical Imaging and Health Informatics, Wiley Online Library.
6. **Dr. B.Rajalingam (2022)**, “An Intelligent Traffic Control System using Machine Learning Techniques”, Application of Virtual Reality (VR) And Augmented (AR) in Industry 5.0, De Gruyter, Germany.
 7. **Dr. B.Rajalingam (2023)**, Medical Image Fusion Transforms Techniques-Based Comparative Analysis for Brain Disease, Concepts of AI and its Application in Modern Healthcare Systems.
 8. **Dr. B.Rajalingam (2023)**, Importance and Applications of Artificial Intelligence and Deep Learning Techniques in the Field of Medical Health Care, Artificial Intelligence and Its Applications.

ACCEPTED FOR PUBLICATION

1. An Intelligent Robust One Dimensional HAR-CNN Model for Human Activity Recognition Using Wearable Sensor Data, 10th International Conference on Frontiers of Intelligent Computing: Theory and Applications (FICTA 2022), **Springer-Smart Innovation, Systems and Technologies (SIST) Series (SCOPUS indexed) – Submitted**

INTERNATIONAL CONFERENCES

1. **Dr. B.Rajalingam (2023)** “Blockchain-Based Outsourced Storage Schema in Untrusted Environment” Proceedings of International Conference on “Innovations and Recent Trends in Computer Science” (ICIRTCS-23).
2. **Dr. B.Rajalingam (2023)** “Blockchain E-Voting Done Right: Privacy And Transparency with Public Blockchain” Proceedings of International Conference on “Innovations and Recent Trends in Computer Science” (ICIRTCS-23).
3. **Dr. B.Rajalingam (2023)** “IOT And Wireless Sensor Network Based autonomous farming Robot” Proceedings of International Conference on “Innovations and Recent Trends in Computer Science” (ICIRTCS-23).
4. **Dr. B.Rajalingam (2023)** “IOT based Agri Soil Maintenance Through Micro- Nutrients and Protection Of Crops From Excess Water” Proceedings of International Conference on “Innovations and Recent Trends in Computer Science” (ICIRTCS-23).
5. **Dr. B.Rajalingam (2023)** “Field Monitoring and Automation Using IOT in Agriculture” Proceedings of International Conference on “Innovations and Recent Trends in Computer Science” (ICIRTCS-23).
6. **Dr. B.Rajalingam (2023)** “Real Time Localized Air Quality Monitoring and Prediction through Mobile And Fixed IOT Sensing Network” Proceedings of International Conference on “Innovations and Recent Trends in Computer Science” (ICIRTCS-23).
7. **Dr. B.Rajalingam (2023)** “Feature Extraction For Classifying Students Based On The Academic Performance” Proceedings of International Conference on “Innovations and Recent Trends in Computer Science” (ICIRTCS-23).
8. **Dr. B.Rajalingam (2023)** “An Automated Parking Allocation Using IOT” Proceedings of International Conference on “Innovations and Recent Trends in Computer Science” (ICIRTCS-23).
9. **Dr. B.Rajalingam (2023)** “Image Forgery Detection based on Fusion of Light Weight Deep Learning Models” Proceedings of International Conference on “Innovations and Recent Trends in Computer Science” (ICIRTCS-23).
10. **Dr. B.Rajalingam (2023)** “Pulse and Spo2 Monitoring for Health Care” Proceedings of International Conference on “Innovations and Recent Trends in Computer Science” (ICIRTCS-23).
11. **Dr. B.Rajalingam (2023)** “Advanced Deep Learning Techniques: A Disease Hypothesis System” Proceedings of International Conference on “Innovations and Recent Trends in Computer Science” (ICIRTCS-23).
12. **Dr. B.Rajalingam (2023)** “Cognitive Internet of Vehicles: An Intelligent Multimode System Using Driving Pattern Recognition” Proceedings of International Conference on “Innovations and Recent Trends in Computer Science” (ICIRTCS-23).
13. **Dr. B.Rajalingam (2023)** “Comparison of Colorectal Histopathological Imaging Tissue Classification Performance Using Deep Learning” Proceedings of International

- Conference on “Innovations and Recent Trends in Computer Science” (ICIRTCS-23).
14. **Dr. B.Rajalingam (2022)** “Design of an Adaptive E-Learning System for Educational Institutions” Proceedings of online International Conference on “Innovations and Recent Trends in Computer Science” (ICIRTCS-22)
 15. **Dr. B.Rajalingam (2022)** “Rainfall Prediction using Multiple Linear Regression” , Proceedings of online International Conference on “Innovations and Recent Trends in Computer Science” (ICIRTCS-22)
 16. **Dr. B.Rajalingam (2022)** “A Novel Approach to Identifying Bird Species using Deep Learning” , Proceedings of online International Conference on “Innovations and Recent Trends in Computer Science” (ICIRTCS-22)
 17. **Dr. B.Rajalingam (2022)** “Location Prediction of Tweets using Decision Tree Technique”, Proceedings of online International Conference on “Innovations and Recent Trends in Computer Science” (ICIRTCS-22)
 18. **Dr. B.Rajalingam (2022)** “Covid-19 Face Mask Detection Using CNN” , Proceedings of online International Conference on “Innovations and Recent Trends in Computer Science” (ICIRTCS-22)
 19. **Dr. B.Rajalingam (2022)** “Prediction of Stock Prices using SVM, Proceedings of online International Conference” on “Innovations and Recent Trends in Computer Science” (ICIRTCS-22)
 20. **Dr. B.Rajalingam (2022)** “An Effective Diabetes Diagnosis With 5G Smart Diabetes in Healthcare Big Data Clouds” Proceedings of online International Conference on “Innovations and Recent Trends in Computer Science” (ICIRTCS-22).
 21. **Dr. B.Rajalingam (2021)** “A Framework for Finding Leaked Data Using DLD”, Proceedings of online “International Conference on “Innovations in Computers Networks, Computational Intelligence and IoT” (ICICCI-21)
 22. **Dr. B.Rajalingam (2021)** “Detecting Fake News, Disinformation and Deepfakes using Distributed Ledger Technologies and Blockchain” Proceedings of online “International Conference on “Innovations in Computers Networks, Computational Intelligence and IoT” (ICICCI-21)
 23. **Dr. B.Rajalingam (2021)** “Sliding Window Blockchain Architecture for Internet of Things” , Proceedings of online “International Conference on “Innovations in Computers Networks, Computational Intelligence and IoT” (ICICCI-21)
 24. **Dr. B.Rajalingam (2021)** “Sign Language Recognition Using Convolutional Neural Network and Computer Vision”, Proceedings of online “International Conference on “Innovations in Computers Networks, Computational Intelligence and IoT” (ICICCI-21)
 25. **B.Rajalingam, R.Priya, R. Bhavani (2019)** “Hybrid Multimodal Medical Image Fusion Algorithms for Neurocysticercosis and Neoplastic Disease Analysis” *Proceeding of International Conference on Artificial Intelligence, Smart Grid and Smart City Applications (AISGSC 2019)*, Departments of EEE, CSE and IT, PSG College of Technology, on 3 - 5 January.
 26. **B.Rajalingam, R.Priya, R. Bhavani (2019)** “Hybrid Multimodal Medical Image Fusion Using Combination of Transform Techniques for Disease Analysis” *Proceeding of International Conference and Workshops on Pervasive Computing Advances and Applications (PerCAA-2019)*, ACM Udaipur Professional Chapter and Indian Institute of Information Technology, Poornima University, Jaipur on January 8-10.
 27. **B.Rajalingam, R.Priya, R. Bhavani (2018)** “Multimodal Medical Image Fusion Using Discrete Fractional Wavelet Transform with Non-subsampled Contourlet Transform Hybrid Fusion Algorithm” *Proceeding of International Conference on Computational Vision and Bio Inspired Computing*, RVS Technical Campus, Coimbatore on 29 & 30 November, pp. 1216-1223.
 28. **B.Rajalingam, R.Priya, R. Bhavani (2018)** “Multimodal Medical Image Fusion Using Hybrid Fusion Techniques for Neoplastic Disease Analysis” *Proceeding of International Conference on Innovative Technologies in Electronics, Information*

- and Communication (INTELINIC' 18), Department of ECE, Annamalai University on 12 & 13 October, pp.49, ISBN Number : 978-8193-5722-2-1.
29. **B.Rajalingam, R.Priya (2017)** "A Novel approach for Multimodal Medical Image Fusion using Curvelet Transform with Neural Network Hybrid Fusion Algorithms" *Proceeding of International Conference on Mathematical Impacts in Science and Technology (MIST-2017)*, Bannari Amman Institute of Technology, Sathyamangalam, Nov 17-18, pp. 159-169.
 30. **B.Rajalingam, R.Priya (2017)** "Multimodality Medical Image Fusion Based on Hybrid Fusion Techniques" *Proceeding of International Conference on Advanced Research and Innovation in Engineering (ICARIE-2017)*, Meerut Institute of Technology, Aug 26-27, pp. 256-264.
 31. **B.Rajalingam, R.Priya (2017)** "Image Retrieval System Using Free Hand Sketch" *Proceeding of 4th International Conference on Engineering and Applied Sciences* organized by S.R.I College of Engineering and Technology, Vandavasi, Tamilnadu, 22nd – 24th March, 2017.
 32. **B.Rajalingam (2012)** "Content Based Image Retrieval System Using Sketches" *Proceeding of International Conference on Good Governance and Sustained Development of Political Science and Public Administration Wing* organized by Annamalai University, Chidambaram on 22-23 March.

NATIONAL CONFERENCES

1. **B.Rajalingam, R.Santhoshkumar (2020)** Tag – Based image Retrieval using Joint Hypergraph Learning, *Proceeding of National E-Conference on Unconventional Computational Intelligence, Organized by School of Computing, Bharath Institute of Higher Education and Research on 30 December.*
2. **B.Rajalingam, R.Priya, R. Bhavani (2018)** Hybrid Multimodal Medical Image Fusion Using Transform Techniques for Clinical Analysis, *Proceeding of National Conference on Machine Learning Techniques (NCMLT 2018)*, Department of CSE, Annamalai University on 12 & 13 December, ISBN: 978-81-937382-1-4.
3. **B.Rajalingam, R.Priya (2018)** Clinical Disease Identification of Multimodality Medical Images Based on Hybrid Fusion Techniques, *Proceeding of National Conference Emerging Trends in RF & Engineering Sciences(ETRES'18)*, Department of ECE, Annamalai University on 26 & 27 April, pp.29, ISBN: 9788193631232.
4. **B.Rajalingam, R.Priya (2018)** Multimodal Medical Image Fusion Based on Combining the Transform Technique with Neural Network for Disease Analysis, *Proceeding of National Conference on Stochastic Processes, Bayesian Inference and Reliability Theory*, Department of Statistics, Annamalai University, Chidambaram on 15 & 16 March, pp.71.
5. **B.Rajalingam, R.Priya (2018)** Hybrid Multimodality Medical Image Fusion based on Neuro-Fuzzy Fusion Techniques, *Proceeding of National Conference on The Internet of Things - The Current Trend in Connected World (NCIoT-2018)*, Thiruvalluvar University model College of Arts & Science, Thiruvannainallur on January 31, pp.190-197.
6. **B.Rajalingam, R.Priya (2018)** "Hybrid Multimodality Medical Image Fusion Related to Clinical Aspects in Neurocysticercosis" *Proceeding of national conference on Modern Mathematical Methods and High Performance Computing in Manufacturing and Industrial Engineering Systems*, P.A. College of Engineering and Technology on January 24 & 25, pp.85-95.
7. **B.Rajalingam (2018)** Handled laboratory sessions for the two days National Workshop on *Python Programming with IDEs (WPP'18)* organized by the department of Computer science and Engineering, Annamalai University on 4th and 5th January.
8. **B.Rajalingam (2013)** "Efficient Image Retrieval System using Sketches" *Proceeding of National Conference on Innovation in Computers'13(NCIC-13)* Organized by Department of CSE, Aksheyaa College of Engineering, Kancheepuram, Tamilnadu on 22nd February.
9. **B.Rajalingam (2012)** "Sketch Based Image Retrieval System" *Proceeding of National Conference on Information and Communication Technology* organized by

Department of Computer Science and Engineering, Periyar Maniammai University, Thanjavur, Tamilnadu on 21st – 23rd March.

10. **B.Rajalingam (2012)** “Image Retrieval System” NCRTC’12 *National Conference on Recent Trends on Computing* organized by Lord Venkateshwaraa Engineering College, Kancheepuram on 2 March.

Patents Published

S. No.	Patent Number	Title of the Patent	Status
1	20214103285	Automatic Water Controlling System for Home Gardening	Published
2	02141021184	Smart Garbage Monitoring System Using Sensors with RFID Over Internet Of Things	Published
3	20214103285	Automatic Water Controlling System for Home Garden	Published
4	202241005383	Advanced self assessment of global pandemics like SARS – COV 2 for healthy race using machine learning	Published
5	202241025101	Real-Time Intelligent Surveillance System for Aged People Fall Detection	Published
6	202241023677	Intelligent Monitoring System: Emotion Recognition of Autism Children from Smart Class Video	Published
7	202241027045	An IoT and Deep Learning-based Real-Time Smart Framing of Maize Crop Drought Management System	Published

SEMINAR & WORKSHOPS

IEEE sponsored national Workshop on Conventional machine learning to Deep learning for Speech, Image and Text Processing	From 16th – 18th August 2018, organized by SSN College of Engineering, Kalavakkam, Chennai, Tamilnadu
National Workshop on Python Programming with IDEs (WPP’18)	From 4 & 5 January, 2018, organized by Department of Computer Science and Engineering, Annamalai University, Annamalainagar, Tamilnadu
AICTE Sponsored National Seminar on Climate Adaptation and Long-Term Mitigation [CALM 2017]	From 4 & 5 December, 2017 organized by Centre for Atmospheric Research & Climate Change, FEAT, Annamalai University, Annamalainagar, Tamilnadu
National Workshop on R Programming	From 6 & 7 October, 2017 organized by Department of Information Technology, Annamalai University, Annamalainagar, Tamilnadu
ICMR Sponsored National Level Workshop on Biomedical Signal Processing and Computational Biology for Healthcare Applications	From 12th to 16th May, 2017 Organized by Department of ECE, Crescent University, Chennai, Tamilnadu
National Workshop on Open Source Lab	From 18 th & 19 th July, 2014 organized by Department of CSE, Jeppiaar Institute of Technology, Chennai, Tamilnadu

National Workshop on Advances in Image Processing and Its Applications	On 24 th and 25 th January, 2014 organized by Department of Information Science and Technology, Organized by Anna University, CEG Campus, Chennai, Tamilnadu.
Cloud Computing and SOA Testing	On 25 ^h and 26 th April, 2013 organized by Department of CSE, Adhiparasakthi Engineering College (APEC), Melmaruvathur, Tamilnadu.
National Workshop on Cyber Forensics & Ethical Hacking	On 8 th and 9 th March, 2012 organized by Acharya School of Business and Technology, Villianur, Puducherry

FACULTY DEVELOPMENT PROGRAM

Achieving Publication Index Scores and Succeeding Research Projects	On 31 August, 2017 organized by Department of Library and Information Science & Dr. Ambedkar Chair, Annamalai University, Annamalainagar
ICT-ACT Sponsored Faculty Development Program (FDP) on Data Science and Big Data Analytics	From 14 to 18 November 2016 organized by Kongunadu College of Engineering and Technology, Trichy
Computer Networks	From 1 th to 7 th December, 2014 held at MIT Campus, Anna University
Recent Research Issues on Customization of Web Services	From 11 th February, 2013 held at Sathyabama University, Chennai

PERSONAL DETAILS

Name	B.RAJALINGAM
Sex	Male
Date of Birth	04/07/1989
Father's Name	E.Balakrishnan
Marital Status	Married
Nationality	Indian
Language Known	Tamil and English

DECLARATION

I hereby declare that the information stated above are true and correct to the best of my knowledge and belief.

Place:

yours truly,

Date:

(Dr. B.Rajalingam)