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Google Scholar link: https://scholar.google.co.in/citations?user=_qaAzjIAAAAJ&hl=en

Educational Qualification

Examination	Year	Marks / Grade	Division / Class	University / Institution
Ph.D. Computer Science	2015	-	Highly Commendable	Madurai Kamaraj University
M.E. Computer Science & Engineering	2011	8.69 CGPA	First Class with Distinction	Anna University, Chennai
B.E. Computer Science & Engineering	2008	75%	First Class with Distinction	Anna University, Chennai
+2 (Plus Two)	2004	80%	First Class	State Board of Examinations, Tamil Nadu
10 th Std	2002	83%	First Class	Board of Matriculation Examination, Tamil Nadu

Professional Experience

Position	Name of the Institution	Duration
Assistant Professor Computer Science (Senior Scale)	Central University of Tamil Nadu Thiruvavur	11.07. 2016 to till date
Assistant Professor Computer Science & Engineering	Pannai College of Engineering and Technology, Sivagangai	26.05.2014 to 19.05.2016
Assistant Professor Computer Science & Engineering	Sethu Institute of Technology , Madurai	15.06.2011 to 30.04.2014

Areas of Interest

Natural Language Processing , Generative AI , Blockchain and Distributed Systems

Patent Filed

Smart Jewel Display Box (Application Number: 392758-001) to Intellectual Property India - General of Patents, Designs and Trademarks, Design Office, Kolkata.

Award

Young Scientist Fellowship at Laboratory for Computational Social Systems (LCS2), IIT Delhi awarded by the TANSCT for the year 2024–2025.

Publications since joined CUTN (2016)

Refereed Journals

- Kathiravan, P., Saranya Rajiakodi (2025),“Systematic Literature Review on Hate Speech Detection in Indian Low-Resource Languages,” has been accepted for publication in the Journal of Computational Social Science (JCSO),Springer Nature.
- Prasannan, Praveen, Prasanna Kumar Kumaresan, Saranya Rajiakodi, C. N. Subalalitha, and Bharathi Raja Chakravarthi (2025). "Counter-speech generation for homophobic and transphobic social media content in Malayalam." *Social Network Analysis and Mining* 15, no. 1 :87, Springer Nature.
- Shanu Sidharth Kumar Dhawale, Rahul Ponnusamy, Prasanna Kumar Kumaresan, Sajeetha Thavareesan, Saranya Rajiakodi, Bharathi Raja Chakravarthi (2025) ,RACHNA: Racial hoax code mixed Hindi–English with novel language augmentation,Natural Language Processing Journal,Volume 13,100183, Elsevier.
- Chakravarthi, Bharathi Raja, Saranya Rajiakodi, Rahul Ponnusamy, B. Sreelakshmi, S. Yogesh Thavareesan, and S. Thavaseelan Thavaseelan (2025). "Detecting Caste and Migration Hate Speech in Low-resource Tamil Language. Language Resources and Evaluation, Springer.
- Vivek Suresh Raj, Ruba Priyadharshini, Saranya Rajiakodi, Bharathi Raja Chakravarthi (2025), Bayesian Q-learning in multi-objective reward model for homophobic and transphobic text classification in low-resource languages: A hypothesis testing framework in multi-objective setting, Natural Language Processing Journal, Volume 11,100152.
- Kiran Kumar Kondru, Saranya Rajiakodi (2024), "*RaftOptima: An Optimised Raft with enhanced Fault Tolerance, and increased Scalability with low latency*," in *IEEE Access*, IEEE.

- Nitesh Jindal, Prasanna Kumar Kumaresan, Rahul Ponnusamy, Sajeetha Thavareesan, Saranya Rajiakodi, Bharathi Raja Chakravarthi (2024). “ *MISTRA: Misogyny Detection through Text-Image Fusion and Representation Analysis*”, Natural Language Processing Journal, Elsevier.
- Goru, Kalivarapasanna Babu, Paramasivan, Thiyagarajan and Rajiakodi, Saranya (2024). "A blockchain based scheme for distributed storage of nuclear power plant images" Kerntechnik, vol. 89, no. 1, 2024, pp. 67-76.
- Divyasri. S.R , R.Saranya and P.Kathiravan.(2023). “*Enhancing Crime Prediction with Knora Dynamic Ensemble Selection and Cross-Validation* “, Eur. Chem. Bull. 2023, 12(Special Issue 5), pp.2698 – 2719, Publisher: Deuton-X Ltd.
- Kiran Kumar Kondru. Saranya Rajiakodi (2024). “*Exploring the Limits of Raft’s Fault Tolerance: Insights from Simulated Network Partitions*”, International Journal of Intelligent Systems and Applications in Engineering, 12(22s), 838, Vol. 12 No. 22s (2024)
- Kiran Kumar Kondru, R Saranya (2019). “*Directed Acyclic Graph-based Distributed Ledgers – An Evolutionary Perspective*”. Int. Journal of Engineering and Advanced Technology (IJEAT),9(1), pp. 6096- 6103
- Ajins Joy and R. Saranya. (2019). "A Pilot Research on Android Based Voice Recognition Application." Int. Journal of Recent Technology and Engineering (IJRTE), 8(4), pp. 7272-7277
- Bhaskaruni.V.M. Sai Dileep , S.Bhuvaneswari , R.Saranya.(2019). “*A Comprehensive Study on Face Detection and Recognition Techniques*”. American International Journal of Research in Science, Technology, Engineering & Mathematics. Special Issue, pp.57-63
- Saranya, R., Kannan, S.S. & Sundaram, S.M. (2019). “*Integrated quantum flow and hidden Markov chain approach for resisting DDoS attack and C-Worm*”. Cluster Computing, 22 (Suppl 6), pp.14299–14310, Springer Nature.

Conference or Workshop Proceedings

- Chakravarthi, B. R., Kumaresan, P. K., Dhawale, S., Rajiakodi, S., Thavareesan, S., Navaneethakrishnan, S. C., & Durairaj, T. (2025). Overview of the shared task on detecting racial hoaxes in code-mixed hindi-english social media data. In Proceedings of the 5th Conference on Language, Data and Knowledge: Fifth Workshop on Language Technology for Equality, Diversity, Inclusion (pp. 222-228).
- Gupta, S., Saranya Rajiakodi et.al. (2025). *Caste-Based Hate Speech Detection in Low-resource Hindi Language*. In *Proceedings of the 2nd International Workshop on Diffusion of Harmful Content on Online Web (DHOW '25)*. ACM. <https://doi.org/10.1145/3746275.3762203>

- Anshid, K.A., Saranya, R., Kathiravan, P., Kondru, K.K., Shanmugavadivu, P., Sivagnanam, B. (2025). A Comprehensive Exploration of Deep Transfer Learning-Based Models for Face Mask Detection. In: Bhateja, V., Rana, M.E., Tripathy, H.K., Senkerik, R. (eds) Innovations in Knowledge Mining: Sustainability for Societal and Industrial Impact. ICDECT 2024. Lecture Notes in Networks and Systems, vol 1363. Springer, Singapore.
- Chakravarthi, B. R., Ponnusamy, R., Du, P., Zhuang, X., Rajiakodi, S., Buitelaar, P., ... & Lavanya, S. (2025). An Overview of the Misogyny Meme Detection Shared Task for Chinese Social Media. In Proceedings of the 5th Conference on Language, Data and Knowledge: Fifth Workshop on Language Technology for Equality, Diversity, Inclusion (pp. 200-208).
- Chinnan, Shunmuga Priya Muthusamy, Bharathi Raja Chakravarthi, Meghann Drury-Grogan, and Saranya Rajiakodi (2025). "Findings of the Shared Task Multilingual Bias and Propaganda Annotation in Political Discourse." In Proceedings of the 5th Conference on Language, Data and Knowledge: Fifth Workshop on Language Technology for Equality, Diversity, Inclusion, pp. 209-214. 2025.
- Rajiakodi, Saranya, Bharathi Raja Chakravarthi, Rahul Ponnusamy, M. C. Shunmuga Priya, Prasanna Kumar Kumaresan, Sathiyaraj Thangasamy, Bhuvaneswari Sivagnanam et al(2025). "Findings of the Shared Task on Caste and Migration Hate Speech Detection." In AND KNOWLEDGE: WORKSHOPS, p. 222.
- Sivagnanam, B., CH, R. K., Chauhan, P., & Rajiakodi, S. (2025). CUTN_Bio at BioLaySumm: Multi-Task Prompt Tuning with External Knowledge and Readability adaptation for Layman Summarization. In Proceedings of the 24th Workshop on Biomedical Language Processing (Shared Tasks) (pp. 269-274).
- Chakravarthi, B. R., Rajiakodi, S., Durairaj, T., Thangasamy, S., Sakuntharaj, P., Kumaresan, P. K., ... & Karunanidhi, A. P. (2025). Overview on Political Multiclass Sentiment Analysis of Tamil X (Twitter) Comments: DravidianLangTech@ NAACL 2025. Association for Computational Linguistics.
- Chakravarthi, B. R., Priyadharshini, R., Thavareesan, S., Sherly, E., Rajiakodi, S., Palani, B., ... & Chinnappa, D. (2025). Proceedings of the Fifth Workshop on Speech, Vision, and Language Technologies for Dravidian Languages. In Proceedings of the Fifth Workshop on Speech, Vision, and Language Technologies for Dravidian Languages.
- Jyothish Lal G, Premjith B, Bharathi Raja Chakravarthi, Saranya Rajiakodi, Bharathi B, Rajeswari Natarajan, and Ratnavel Rajalakshmi. 2025. Overview of the Shared Task on Multimodal Hate Speech Detection in Dravidian languages: DravidianLangTech@NAACL 2025. In Proceedings of the Fifth Workshop on Speech, Vision, and Language Technologies for Dravidian Languages, pages 114–122, Acoma, The Albuquerque Convention Center, Albuquerque, New Mexico. Association for Computational Linguistics.

- Rajiakodi, S., & Chakravarthi, B. R. Findings of the Shared Task on Abusive Tamil and Malayalam Text Targeting Women on Social Media: DravidianLangTech@ NAACL 2025.
- Chakravarthi, B. R., Ponnusamy, R., Rajiakodi, S., Chinnan, S. P. M., Buitelaar, P., Sivagnanam, B., & KA, A. (2025). Findings of the Shared Task on Misogyny Meme Detection: DravidianLangTech@ NAACL 2025. In Proceedings of the Fifth Workshop on Speech, Vision, and Language Technologies for Dravidian Languages (pp. 721-731).
- Velmala, Manoj, Saranya Rajiakodi, Kathiravan Pannerselvam, and Bhuvaneswari Sivagnanam.(2025). "Multimodal Sentiment Analysis of Online Memes: Integrating Text and Image Features for Enhanced Classification." *Procedia Computer Science*, Elsevier. 355–364
- Navya, K., Hiba Sabaha, Saranya Rajiakodi, and Bhuvaneswari Sivagnanam. (2025). "Detecting Homophobic and Transphobic Comments on Social Media in Malayalam and English Languages." *Procedia Computer Science, Elsevier*. 2479–2489.
- S. R. Abdul Samad, P. Ganesan, T. S, S. Balasubramaniyan, S. Rajiakodi and A. S. Rashid Al Kaabi, "SMS-Shield: A Lightweight Approach for Smishing Detection using Machine Learning," (2024) *1st International Conference on Innovative Engineering Sciences and Technological Research (ICIESTR)*, Muscat, Oman, 2024, pp. 1-6, doi: 10.1109/ICIESTR60916.2024.10798213.
- Rahul Ponnusamy, Saranya R, et al., (2024). "From Laughter to Inequality: Annotated Dataset on Misogyny in Tamil and Malayalam Memes" in LREC-COLING 2024 conference at Torino -Italia.
- Bharathi Raja Chakravarthi , Prasanna Kumar Kumaresan , Ruba Priyadharshini, Paul Buitelaar , Asha Hegde , Hosahalli Lakshmaiah Shashirekha , Saranya Rajiakodi, et al., (2024), "Overview of Third Shared Task on Homophobia and Transphobia Detection in Social Media Comments", Fourth Workshop on Language Technology for Equality, Diversity and Inclusion (LT- EDI-2024) at EACL (The 18th Conference European chapter of the Association for Computational Linguistics (EACL) at Malta during March 17-22, 2024
- Saranya Rajiakodi , et al., (2024), " Overview of Shared Task on Caste and Migration Hate Speech Detection", Fourth Workshop on Language Technology for Equality, Diversity and Inclusion (LT- EDI-2024) at EACL (The 18th Conference European chapter of the Association for Computational Linguistics (EACL) at Malta during March 17-22, 2024
- Saranya Rajiakodi, et al., (2024 "Findings of the Shared Task on Multimodal Social Media Data Analysis in Dravidian Languages (MSMDA-DL)@DravidianLangTech 2024" , Fourth Workshop on Speech, Vision, and Language Technologies for Dravidian Languages (DravidianLangTech-2024) at EACL (The 18th Conference European chapter of the Association for Computational Linguistics (EACL) at Malta during March 17-22, 2024

- Bharathi Raja Chakravarthi, Saranya Rajiakodi, et al., (2024), “Overview of Shared Task on Multitask Meme Classification - Unraveling Misogynistic and Trolls in Online Memes Overview of Shared Task on Multitask Meme Classification - Unraveling Misogynistic and Trolls in Online Memes”, Fourth Workshop on Language Technology for Equality, Diversity and Inclusion (LT- EDI-2024) at EACL (The 18th Conference European chapter of the Association for Computational Linguistics (EACL) at Malta during March 17-22, 2024
- Saranya Rajiakodi, et al., (2024)., “Findings of the Shared Task on Hate and Offensive Language Detection in Telugu Codemixed Text (HOLD-Telugu)@DravidianLangTech 2024”, Fourth Workshop on Speech, Vision, and Language Technologies for Dravidian Languages (DravidianLangTech-2024) at EACL (The 18th Conference European chapter of the Association for Computational Linguistics (EACL) at Malta during March 17-22, 2024
- Saranya Rajiakodi, et al., (2024)., “SetFit: A Robust Approach for Offensive Content Detection in Tamil-English Code-Mixed Conversations Using Sentence Transfer Fine-tuning’, Fourth Workshop on Speech, Vision, and Language Technologies for Dravidian Languages (DravidianLangTech-2024) at EACL (The 18th Conference European chapter of the Association for Computational Linguistics (EACL) at Malta during March 17-22, 2024
- Kiran Kumar Kondru , Saranya Rajiakodi (2023) , “Improving scalability of permissioned blockchains by making Raft Orderer to understand the underlying network topology” IACIDS 2023, November 23-25, at Lavasa, India Copyright © 2024 EAI DOI 10.4108/eai.23-11-2023.2343202
- Kathiravan, P. Shanmugavadivu P. & Saranya, R. (2023). “Mitigating Imbalanced Data in Online Social Networks using Stratified K-Means Sampling” , 8th International Conference on Business and Industrial Research (ICBIR), Bangkok, Thailand, pp. 883-888 , IEEE, ISBN:979-8-3503-9964-6.
- Kathiravan Pannerselvam, Saranya Rajiakodi.(2023). "Code-Mixed - Computationally Romba Challengingaa irukku", International Conference: Enabling Smartness in Tamil Computing using AI Technology, organized by International Forum for Information Technology in Tamil (INFITT) at Kumaragur College of Technology(KCT), Coimbatore.
- Kathiravan Pannerselvam, Saranya Rajiakodi, Rahul Ponnusamy, Sajeetha Thavareesan(2023). "CSSCUTN@DravidianLangTech: Abusive comments Detection in Tamil and Telugu”, Third Workshop on Speech and Language Technologies for Dravidian Languages associated with 8th International Conference Recent Advances In Natural Language Processing(RANLP 2023), Association for Computational Linguistics (ACL), Bulgaria.
- Kathiravan, P, Saranya, R. (2023), “A Review on discovering the knowledge from the Social media discourse on domestic violence against women”, organized by 8th National Conference on Innovative Computing Techniques (NCICT'23), ISBN: 978-93-95054-52-2.
- Kathiravam, P., Saranya, R. (2023). “Enhancing Named Entity Recognition for Tamil text: Challenges and solutions”. National Conference Emerging trends in Computer Science and Technology, ISBN No: 978-81-958687-6-6, pp.214- 218

- Kiran Kumar Kondru , R.Saranya.(2023). “Making RAFT Consensus a little more Fault Tolerant”. International Conference on Advanced Computing Technologies for Innovative Solutions organized by Gandhigram Rural Institute (ICACTiS 2023), ISBN : 978-93-92063-42-8,pp.199-206
- A. B. Evanjalín, R. Saranya and K. K. Kondru. (2021). "Illustration of a Parallel and Discrete Event Simulator using Scala," 2021 First International Conference on Advances in Computing and Future Communication Technologies (ICACFCT), pp. 98-103..IEEE, ISBN:978-1-6654-2076-1.
- Kondru, Kiran Kumar and R Saranya. (2019).“The Evolution of Blockchain – From Chain of Blocks to Direct Acyclic Graph”. DST Sponsored National Conference on “Blockchain and Smart Contract Technologies”, NIT, Trichy. pp.18-24
- Bhuvaneswari, S., & Saranya, R. (2020).”Internet of vehicle based accident detection and management techniques by using vanet: An empirical study”. In 2020 Fourth International Conference on Inventive Systems and Control (ICISC) pp. 237-244, IEEE,ISBN:978-1-7281-2813-9

Publications of book/book chapters

- Kiran Kumar Kondru, Saranya Rajiakodi, Shanmugavadivu P., Saleem Raja A.(2025) ,Kubernetes for highly scalable and self-healing software systems, Advances in Computers, Elsevier.
- Sivagnanam, Bhuvaneswari, Saranya Rajiakodi, Kathiravan Pannerselvam, and Bharathi Raja Chakravarthi. 2025. "Ethical Dimensions and Societal Effects of Generative AI: The Portrayal of Ethical Issues of ChatGPT, DALL·E, and Other Systems." In *Generative AI: Disruptive Technologies for Innovative Applications*, , Chapter 7. Wiley. <https://doi.org/10.1002/9781394302932.ch7>
- Pannerselvam, Kathiravan, Saranya Rajiakodi, and Shanmugavadivu Pichai. 2025. "Leveraging Edge AI for Real-Time Detection and Prevention of Online Harassment and Cyberbullying." In *Edge AI for Industry 5.0 and Healthcare 5.0 Applications*, 123–135. CRC Press.
- Pannerselvam, Kathiravan, Saranya Rajiakodi, and Shanmugavadivu Pichai. 2025. "Unleashing Patient Insights: Leveraging Edge AI for Real-Time Healthcare Analytics." In *Edge AI for Industry 5.0 and Healthcare 5.0 Applications*, 145–160. CRC Press.
- Pannerselvam, K., Rajiakodi, S. (2024). “Towards Smarter, Interconnected Futures: The Crucial Role of Data in Cyber-Physical Systems. In: Mittal, M., Narayan, J. (eds) Intelligent Cyber-Physical Systems for Healthcare Solutions”. Springer, Singapore. =
- Kathiravan Pannerselvam, Saranya Rajiakodi, & Bharathi Raja Chakravarthi. (2024), “Language Resource Acquisition for Low-Resource Languages in Digital Discourses”, in Empowering Low-Resource Languages with NLP Solutions, EISBN13: 9798369307298, pages 11-24, IGI Global.
- Kathiravan, P., Saranya, R., & Shanmugavadivu P. (2023),” Intelligent Named Entity-Based Cybercrime Recognition System for Social Media Network Platform”,

Cybersecurity for Decision Makers, CRC Press, Taylor & Francis Group, eBook ISBN – 9781003319887, pages 16.

- D.Kamelesun, R.Saranya, Kathiravan, P (2023). “Predicting Covid-19 Outbreaks: Leveraging Machine Learning and Deep Learning models for Trend Analysis”, Part of the Lecture Notes in Networks and Systems book series (LNNS, volume 820), Online ISBN978-981-99-7817-5, Springer Nature.
- Kathiravan, P., Saranya, R., & Shanmugavadivu P. (2023). “The impact of COVID-19 on IT services in rural area”. ICAS-2023 in Green Economics Institute Education, UK – Accepted for publication.
- Kathiravan, P., Saranya, R., & Sridurga S., (2023).” Sentiment Analysis of COVID-19 tweets using TextBlob and Machine Learning classifiers - An evaluation to show how COVID -19 opinions is influencing psychological reactions of people’s behaviour in social media”, Lecture Notes in Networks and Systems ,volume 551 ISBN 978-981-19-6634-7, pp.89-106, Springer Nature.
- Kalivaraprasanna Babu G, Thiyagarajan Paramasivan And Saranya Rajiakodi.(2023). “Proactive Public Healthcare Solution Based On Blockchain For Covid-19”, Studies in Autonomic, Data-Driven and Industrial Computing (SADIC) ,ISSN 2730-6445, pp. 125-134, Springer Nature.
- Kondru, Kiran Kumar, R. Saranya, and Annamma Chacko.(2020). "*A Review of distributed supercomputing platforms using Blockchain*". Lecture Notes in Networks and Systems book series, volume 127) ISBN : 978-981-15-4218-3, pp.123-133, Springer Nature.

Book Volume Editors:

- *SPELLL 2024 & 2025* (International Conference on Speech & Language Technologies for Low-Resource Languages), Springer Nature.
- Large Language Models and AI: Challenges and Innovations, CRC Press (Taylor & Francis Group, USA) – 2025

Project

PAIR Project titled “Smart and Sustainable Manufacturing towards Clean Energy and Circular Economy” funded by Anusandhan National Research Foundation (ANRF), Government of India (2025–2026). Total sanctioned amount : ₹2,30,00,000

Role: Serving as Co-PI representing the Central University of Tamil Nadu (CUTN), a spoke institution under the lead of IITM

As Organizers

- DravidianLangTech-2025 (Fifth Workshop on Speech, Vision, and Language Technologies for Dravidian Languages), held in conjunction with the 2025 Annual Conference of the North American Chapter of the Association for Computational Linguistics (NAACL 2025) in Albuquerque, New Mexico, USA. The shared tasks included Abusive Tamil and Malayalam Text Targeting Women on Social Media, Misogyny Meme Detection, and Political Multiclass Sentiment Analysis of Tamil X

(Twitter) Comments. Contributed to dataset creation, annotation design, baseline development, and evaluation for multilingual and multimodal hate speech and sentiment analysis in low-resource Dravidian languages.

- DravidianLangTech-2024 (Fourth Workshop on Speech, Vision, and Language Technologies for Dravidian Languages), held in conjunction with the 2024 Annual Conference of the European Chapter of the Association for Computational Linguistics (EACL 2024). Contributed to the organization, coordination of shared tasks, data curation, and technical review processes focusing on computational models and linguistic resource development for Dravidian languages.

Orientation /Refresher/FDP attended

- Five Days Online FDP & Workshop on Deep Learning Techniques for Text and Image Data organized by the Department of CSE, IIIT Kottayam, Kerala, India, from 03rd June - 07th June 2024.
- Completed UGC-Sponsored Online Refresher Course in Computer Science & Applications from 15th November to 28th November 2023.
- Completed UGC-Sponsored Online Refresher Course in Computer Science & Applications from 22nd September to 05th October 2021.
- Completed Refresher Course from 13.02.2019 to 05.03.2019 (21 days) conducted by UGC – HRDC, Bharathiar University.
- One - Day Faculty Development Programme on 08.09.2018 in CUTN.
- One - Day Workshop on National Digital Library of India & Launching of NDLI and Reader's Club on 15th Nov. 2018 in CUTN.
- Faculty Development Programme (FDP101x) on Foundation Program in ICT for Education , 14 days (Online and Offline) conducted by IIT Bombay, sponsored by AICTE from 03rd August to 07th September 2017.
- Faculty Development Programme (FDP201x) on Pedagogy for Online and Blended Teaching-Learning Process 14 days (Online and Offline) conducted by IIT Bombay, sponsored by AICTE 14th September to 12th October 2017
- Four days Faculty Development Programme on Problem Solving and Programming using Python, by PSNA College of Engineering & Technology on 27.06.2017 to 30.06.2017, sponsored by CSI Student Branch.
- Attended Orientation Programmed (28 days) from 20.04.2017 to 17.05.2017 conducted by UGC – HRDC of Madurai Kamaraj University, Madurai, Tamilnadu.
- Faculty Improvement Program on Paradigms in Recent Research Methodology held at SIT during 6th & 7th May 2013

- Faculty Development Training Programme on CS 6201 – Digital Principles and System Design Regional Centre at Madurai, Anna University during the period 11th to 17th December 2013.
- Faculty Development Programme on Research based simulation techniques in image processing and mobile Computing held at K.L.N. College of Information Technology, during 09th & 10th Feb.2012
- Staff Development Programme on Recent Advances in Mobile and Pervasive Computing held at SIT during 7th to 18th May 2012
- Faculty Development Programme on Artificial Intelligence Sponsored by Anna University, Chennai held at SIT, during 3rd to 9th December 2012
- Faculty Development Program on Faculty Induction Program held at SIT, during period 14th to 16th July, 2011
- Faculty Development Programme on Rational Application Developer held at K.L.N. College of Engineering, during 7th to 10th December 2011

Workshops Seminar & Webinars attended

- 5-Day National Workshop on Digital Manufacturing, organized at IIT Madras from 25th to 29th August 2025.
- Completed Rashtiya Karmayogi LArge Scale Jan Seva Program on October 08, 2025
- Workshop on “Patent Filing and Prior Art Search Mechanisms: A Practical Approach” organized under the Scheme for Transformational and Advanced Research in Sciences (STARS), Ministry of Education, Indian Institute of Science (IISc), Bengaluru on September 21, 2024.
- Five – Day National Webinar on Artificial Intelligence and its Multi-Disciplinary Stances (W- AIMS 2022) conducted by Gandhigram Rural Institute held on 05.09.2022 - 09.09.2022.
- Virtual International Workshop on Artificial Intelligence and its Multi-Disciplinary Stances (AIMS - 2022) conducted by Gandhigram Rural Institute held on 23.03.2022 - 25.03.2022.
- Two days TEQIP Sponsored IEEE Workshop on IoT using OpenCV Platform and Raspberry Pi by TCE, Madurai, Sponsored by TEQIP during 22.02.2017 to 23.02.2017
- One day International Workshop on Advanced Ethical Hacking(HACK-2017) - 13.08.2017 at IIT Madras Research Park, Chennai.

- Two-Day Workshop on Computational Intelligence for Big Data Analytics by TCE, Madurai, Sponsored by DST SERB during 17.11.2016 to 18.11.2016.
- One day Workshop on Research Methodology, by Anna University Chennai during 15.12.2014.
- Workshop on LaTeX conducted by Spoken Tutorial project, IIT Bombay, funded by National Mission an Education Through ICT, MHRD, Govt of India, 09.12.2013
- Workshop on Work-Life Balance of Today's Women by Women Empowerment Cell at SIT, 05.12.2013
- National Webinar on Research Methodologies & Property Rights by Dept. of ICE at SIT, 28.11.2013 to 29.11.2013
- Workshop on Image Processing Dept. of IT at SIT, 21.08.2013 to 22.08.2013.
- National Webinar on Intelligent Computing and Data Mining by Dept. of IT at SIT, during 21.12.2013 to 22.12.2013
- National Webinar on Security and Privacy in Cloud Computing by Dept. of CSE at KLN College of Information Technology, 10.08.2012 to 11.08.2012
- National Seminar on Security Issues in Mobile AD-HOC Networks by Dept. of CSE at SIT, 02.08.2012 to 03.08.2012
- National Workshop on Medical Image Processing Dept. of IT at SIT, September 16.09.2011.
- National Workshop on Data Mining Best Practice Dept. of IT at SIT, September 09.09.2011

Workshops and Extension Activities Organized in CUTN

- One-Day National Workshop on “Computational Intelligence using Machine Learning” held on March 27, 2024, at the Department of Computer Science, Central University of Tamil Nadu.
- Organized A Five Day International Webinar On “Disruptive Technologies In Smart Computing For Today And Tomorrow” (DTS:T&T'2020) from 7th September 2020 to 11th September 2020.
- Coordinator and Organizer for Two – Day National Workshop on IoT using Raspberry Pi held on 5th and 6th of April 2018.
- Organizing secretary for One- Day National workshop Orientation to Research Fundamentals and Recent innovations in Computer Science dated 24.02.2018 funded by CUTN

- Organized A Five-Day National Workshop on Digitization of Resources using Open Source Software : DSpace, sponsored by CUTN and INFLIBNET held on 20th to 24th March, 2017
- Coordinator for “Zenith 2017” Immayathai Nokki” – Career Guidance Programme during 24th March, 2017
- Resource person - Career Guidance Programme for 10th and 12th students happened in Neelan matriculation school Needamangalam on 07.04.2017.

Number of Invited Talks delivered: More than 50**New courses designed in CUTN**

- CDE01 - Basics of programming
- CSCEC16 - Ethical Hacking
- CSCEC18 - Internet of Things for Health Care
- CSCEC22 - Dockers and Kubernetes
- CSCEC23 - Computational Social Science

Ph.D. Guidance in CUTN : 04

- | | |
|----------------------------------|--|
| • | Mr.Kiran Kumar Kondru (Completed) - |
| Distributed Consensus Algorithms | |
| • | Mr.P.Kathiravan – Social Media Analytics using |
| LLM | |
| • | Mr. G. Kalivarapasanna Babu (Completed) - |
| Blockchain in Healthcare | |
| • | Ms.S.Bhuvaneswari – GenAI based Clinical |
| Text Summarization | |

Teaching in CUTN

- | | |
|---|----------------------------------|
| • | MSCT13 - Computer Organization |
| • | MSCT22 -Networks & its Lab |
| • | CSE01 - Basics of programming |
| • | MSCE7 - Internet of Things (IoT) |

- MSCT41 - Web services
- MSCT24 - Web Technology & its Lab
- MSCT25 - Theory of Computation
- MSCAEC1 - Cyber Security
- CSC1005 - Introduction to Programming using Python & its Lab
- CSC5005 - Data Warehousing and Data Mining
- CSC4012 - Statistics for Data Science
- CSCEC06 - Natural Language Processing

Projects done by M.Sc. Students in CUTN under my Guidance

- Real Time Face Recognition Attendance management system using Facenet Deep Convolutional network by Rahul Kumar during May 2018.
- Flower processing by Suvetha .J during May 2018.
- Rice grading system by Swarnalatha during May 2018.
- Annotate : An Android App by Ajins Joy during May 2019.
- SVM based signature analysis using MATLAB by Abishekavalli .G during May 2019
- Simulation of smart helmet with collision detection by S. Bhuvaneswari during May 2019
- Comparison Analysis of FP growth and Apriori algorithm for market basket dataset by Pavalavathi during May 2019
- Object detection using Tensorflow with MS-COCO dataset by Sai Dileep Bashkarum V.M during May 2019
- Handwritten digit recognition using CNN by KADALI SAI KALYAN during May 2020
- An implementation of notarization in hyperledger fabric by Vignesh H.M during May 2020
- Implementation of improved logistic regression model for diabetes prediction using K-Means clustering by Annama Chacko during May 2020
- Simple trading network in blockchain by Urathi Hemanath Kumar during May 2020
- Stock market analysis and prediction by Bhupathi Dhananjay during May 2020
- Malware detection using Data mining Techniques by Beulah Evanjaline during May 2021
- Comparative Analysis of Classification Models for Diabetes Prediction using Machine Learning by B.Bharathi during May 2021
- Crime Detection and Prediction system using Machine Learning by Manda Amulya during May 2021

- Sentimental Analysis on Covid – 19 By Sridurga . S during May 2021
- Crime Data Analysis using ensemble classifiers and deep Learning algorithms by Divyasri . S during May 2022
- Fake news detection using various ensemble method in machine learning by Susminu S Kumar during May 2022
- Face mask detection using Deep Learning models in Real Time videos by Anshid K A during May 2022
- Predictive analysis of Covid-19 dataset using Machine Learning algorithms by Kamelesun.D during May 2022
- Dstraw – TWEET Scrapping Web Application using DJANGO by Kurias Jose during May 2023
- Krishi-Mitra An AI based Application for Improved Crop Management by Nilesh Kumar during May 2023
- Twitter Text based Emotion Classification by Shafas PV during May 2023
- Sentimental Analysis of Internet Memes by Velmala Manoj during May 2023
- Homophobic and transphobic text detection (Tamil and Malayalam) by Navya and Hiba during May 2024
- Question Answering using LLM by Princi Chauhan and Rakhi Kumari during July 2024
- Tamil Text classification for abusive content targeting women targeting women by Jananayam during May 2025
- Prompt based bio-medical article summarization by Rivo Krishnu during May 2025

Major Administrative Responsibilities in CUTN

- Convocation Committee member (Seating Arrangement) in September 2025
- Faculty Coordinator for Convocation in November 2024
- Purchase Committee member in 2024
- Warden, Old Girls Hostel (Kurinji Hostel) from January 2020 to 2022
- Member Anti Ragging Squad of CUTN from January 2020 to 2022
- Member – Ph.D. Admission Committee – Dept. of Computer Science from 2017 to till date
- Department Coordinator for NET coaching class from 2018 to 2022
- Department Timetable Coordinator from 2019 to 2022
- Department Admission Committee Member
- Department NAAC Coordinator
- Member in Convocation Committee (Reception)
- Member – Department PG admission committee from 2016 to till date

- Member -Finance Committee – Dept. of Computer Science from 2016 to 2021
- CUTN – Computer Science Department Exam Coordinator from 2017 to 2022
- Member - Sub-Committees (Perception) for NIRF – 2017
- Member – Automation of activities committee – Employee centric during Nov.2017
- Student Seminar coordinator during October 2017
- Member, Board of Studies, Department of Computer Science, Central University of Tamil Nadu from 2016 to till date

Membership in Academic Professional Body:

- Member of Soft Computing Research Society, ID : 2022-03-16-2813,
- Life member (Member No. 11503352), Grade : Associate – Computer Society of India
- Life member No. 160949 – International Association of Engineers (IAENG)
- Member in IEEE, Member number: 94254189

Other Relevant Information

- Reviewer for Information Processing & Management Journal , Elsevier
- Reviewer for IEEE Internet of Things Journal, IEEE
- Program Committee Member in International conference on Speech & Language Technology for Low-resource Languages (SPELLL) – Tagged Conference from 2023
- Acted as Expert member in “Road traffic injury and Public health importance” at CUTN.
- Acted as Program Committee Member & Reviewer for 2022 IEEE World Conference on Applied Intelligence and Computing (AIC 2022) conducted by Rajkiya Engineering College, Banda.
- Acted as External Resource person for viva voce for practical examinations for MCA and BCA courses (I and III year), IGNOU , Gulf Center for University Education , Kuwait during April 2022.
- Conducted Science Day celebration for students on 28th Jan.2019 in CUTN
- Acted as Question paper setter for Vignan University, Annamalai University , Mother Teresa Women's University , Bharathidasan University.
- Developed ICT based Open Education Resource (OER) for the course Networks for I year M.Sc (Computer Science) Students of CUTN and conducted flipped classroom and active learning strategies.

- Resource person for Vigilance Awareness Week (31.10.2016 to 05.11.2016) in CUTN
- Received Certificate of Excellence for Cent-percent (100 %) Result in the subject of Computer Programming, during the year 2013, at SIT, Virudhunagar
- Received Certificate of Excellence for 98.55% Result the subject of User Interface Design, during the year 2013, at SIT, Virudhunagar
- Won FIRST prize in AICTE Sponsored Technical Project Exhibition on Emerging Computer, Communication and Information Technologies held during Oct 7-11, 2013
- First Class with Distinction in BE-CSE at Anna University, Chennai
- First Class with Distinction in ME-CSE at Anna University, Chennai
- Got Placed in Hexaware Technologies as Software Engineer Trainee in the year 2008-0

Personal Details

- Father : Dr.M.Rajiakodi
- Mother : Mrs.P.Indurani
- DoB : 11.10.1986
- Husband : Dr.N.Prathap
- Mother in law : Mrs. N.Chitra
- Children : 2 sons
