



Dr. Anna Alphy

Professor, Computer Science and Engineering

Administrative Responsibilities

- Member of IEDC
- Member of Industry Institute Interaction Cell
- Member of Gate Coaching Cell

Education Summary

- PhD (CSE), 2010 – 2016, SRM University, Chennai, Tamil Nadu
- PG (ME-CSE), 2007- 2009, Karunya University, Coimbatore, Tamil Nadu
- B-Tech (CSE), 2003- 2007, Mahatma Gandhi University, Kerala

Employment History

- CHRIST COLLEGE OF ENGINEERING, IRINJALAKKUDA, KERALA (Dec 2025-Till Date)
 - Professor in the Department of Computer Science and Engineering
- SRM IST, DELHI-NCR CAMPUS (July 2017- Sept 2025)
 - Chief Technology Officer of Incubation Centre, Chief Coordinator of Students Club, Associate Professor in the Department of Computer Science and Engineering and Guided five PhD Scholars.
- ABES ENGINEERING COLLEGE, GHAZIABAD, UP (July 2016-May 2017)
 - Associate Professor in the Department of Information Technology
- SRM UNIVERSITY, DELHI-NCR CAMPUS (June 2012- January 2013)
 - Assistant Professor in the Department of Computer Science and Engineering
- RAJAGIRI SCHOOL OF ENGINEERING AND TECHNOLOGY, KAKKANAD, KERALA (October 2009- May 2012)
 - Assistant Professor in the Department of Computer Science and Engineering, Had taken subjects to International RISER (Rajagiri International school for education and research RISER, in collaboration with RMIT University, Melbourne, Australia) students. Handled various sessions in Indira Gandhi National Open University (IGNOU) like M-Tech project reviewer, M-Tech syllabus revisions.
- SAHRDAYA COLLEGE OF ENGINEERING, KODAKARA, KERALA (May 2009 – October 2009)
 - Lecturer in the Department of Computer Science and Engineering

Areas of Interest

- Data Mining, Swarm Intelligence, Artificial Intelligence

Specialized Training

- Two-Day Innovation Summit in Association with Kerala Startup Mission at SRM IST Delhi NCR Campus, 2025
- Two-Day Capacity Building Workshop for Pan India Incubators organized by IIT Delhi in association with EPSI, May 2025
- One day ONDC Opportunity Day organized ONDC in association with Google at Google Gurgaon Office, Feb 2025
- One Day Women in Tech Summit organized by NASSCOM at Le Meridian New Delhi, Feb 2025.
- One Day Hero for Startups in Association with DPIIT at Hero MotoCorp Gurgaon Office, Nov 2024.
- One Day Innovation Challenge Conference in Tech Sector Decarbonization Challenge by Synapses in association with Microsoft at Microsoft Gurgaon Office, Nov 2024.
- One Day MSME Conclave Organized by Jagran at Ashoka Hotel, New Delhi, Aug 2024.
- Guest Lecture on Perspective on transport and logistic sector in India at SRM IST Delhi NCR Campus, 2024
- One Day Workshop on Importance of data protection and Online security organized at SRM IST Delhi NCR Campus, 2024
- Panel Discussion on Empowering MSME's: Navigating the future of business in a digital world at SRM IST Delhi NCR Campus, 2024
- Bootcamp Program in Big Data and Data Science developed under the future skills PRIME project in partnership with Ministry of Electronics and Information Technology at SRM IST Delhi NCR Campus, 2024
- One Day Workshop on Drone Demo, at SRM IST Delhi NCR Campus, 2025.
- Expert talk on Innovation and Engineering at SRM IST Delhi NCR Campus, 2025.
- One Day Technical Session on ISEA project phase-III-Celebrating cyber security awareness week by CDAC-Noida under RCC Activities sponsored by Ministry of Electronics and Information Technology, 2024.
- One Day ISEA workshop on Information Security Research Trends and Awareness under ISEA Phase II, MeitY, Govt. of India along with IIT Guwahati, 2022
- Guest Lecture on Constitutional Values organized by SRM IST Delhi NCR Campus, 2022
- Workshop on Effective Teaching and Learning by Exploring Bloom's Taxonomy at SRM IST Delhi NCR Campus, 2022
- IDEATHON 2022-Prthu Bharat-An Initiative for smart India at SRM IST Delhi NCR Campus Ghaziabad, 2022.
- FutureSkills PRIME Programme for Big Data Technology Bridge Courses, Cloud Computing Technology Bridge Courses in association with CDAC Noida, 2022.
- One day Workshop on Bottles for change at SRM IST NCR Campus, 2023
- Guest Lecture on Challenges in Lunar Landing Event Coordinator in association with ISRO at SRM IST Delhi NCR Campus, 2024
- Guest Lecture on Perspective on transport and logistic sector in India at SRM IST Delhi NCR Campus, 2024
- Workshop on Importance of data protection and Online security at SRM IST Delhi NCR Campus, 2024
- Completed NPTEL Online Certification in Database Management System in Elite Category, 2019.

Journals/Papers published

Papers Published in International Journals

- Ishan Budhiraja, Anna Alphy, Pawan Pandey, Sahil Garg, Bong jun Chai, Mohammad Mehedi Hassan, "An Optimal Resource Assignment and Mode Selection for Vehicular Communication using Proximal On-Policy Scheme", Alexandria Journal of Engineering", 268-279, Nov 2024. Elsevier (SCI IF 5.0).
- Neeraj Kumar, Shivani Gaba, Anna Alphy, Abdoh Jabbari, Ishan Budhiraja, Vimal Kumar "A Systematic Analysis of various methods of Deep Learning and Potential Attacks in Internet of Things Surfaces", Neural Computing and Applications, Volume 35, pp. 18293-18308, June 2023. Springer. (SCI, IF 5.1)

- Parthiban M, Anna Alphy, Sreedevi B “SIRD-ABiGRU-AE: A Modified Compartmental Model with Attention Driven BiGRU Autoencoder for covid-19 Outbreak Prediction and Hospitalizations.” Journal of Machine and Computing, 694-708, Apr 2025.
- Anna Alphy, Rajamohamed, Velusamy, Vidya. K, Ravi G, Arun Rajasekarank, "Detection and diagnosis of age-related macular degeneration using recurrent neural network with cloud architecture and internet of things", Journal of Intelligent & Fuzzy Systems, vol. 45, no. 6, pp 11093-11105, Dec 2023. (SCIE, IF 1.2)
- Parthiban M, Anna Alphy and Sreedevi B, “SIRD-ABiGRU-AE: A Modified Compartmental Model with Attention-Driven BiGRU Autoencoder for COVID-19 Outbreak Prediction and Hospitalizations”, Journal of Machine and Computing, vol.5, no.2, pp. 694-708, April 2025. (Scopus)
- Deepa Devasenapathy, Vidhya K, Anna Alphy, F.D. Shadrach, Jayaraj Velusamy, Kathirvelu M, "Kidney Impairment Prediction Due to Diabetes Using Extended Ensemble Learning Machine Algorithm", Journal of Machine and Computing, Vol.3, Issue 3, pp 312-325, July 2023. (Scopus)
- Senthilkumar S, Basi Reddy, Anna Alphy, Jayaraj Velusamy, Manikandan Rajagopal, "Mapping of groundwater availability in dry areas of rural and urban regions in India using IOT assisted Deep Learning classification model", Ground Water for Sustainable Development, Jan 2024. (Scopus)
- Uma Maheswari, Anna Alphy, Ganeshkumar Deivasikamani, U. Prakash, F.D Shadrach, M. Ashok Kumar, S. Manoj, " Sustainable groundwater development using semi-supervised learning and community led total forestry and pasture approach", Ground Water for Sustainable Development, Jan 2024. (Scopus)
- Anna Alphy, S. Prabakaran, “A dynamic Recommender system for Improved Web Usage Mining and CRM using swarm Intelligence”, The Scientific World Journal, Vol. 2015, Article ID 193631, 2015. (Scopus)
- Alphy, A., Prabakaran, S., 2016, “A Recommender System for Improved Web Usage Mining and Personalization based on Foraging behavior-based Swarm Intelligence”, Indian Journal of Science and Technology, Vol.9, issue 39, 2016, (UGC-CARE)
- Chandra Shardhaa, Anna Alphy, " Role of Data Science for combining the problem of loan Defaults Using Tranquil ART1NN Hybrid Deep Learning Approach, Intelligent Computing and applications, pp.593-606, Sept2020.
- Alphy, A., Prabakaran, S., “A Two-Phase Dynamic Recommender System for Improved Web Usage Mining and Personalization”, International Review on Computers and Software, 10(12), pp.1244-1254, 2015.
- Anna Alphy, S. Prabakaran, “Dynamic Clustering for improved web usage mining using WebBLUEGILL”, International Review on Computers and Software, Vol. 9, issue 11, 2014.
- Anna Alphy, S. Prabakaran “Cluster optimization for improved web usage mining using WebBEE”, International Journal of Soft Computing, Vol. 10, issue 1, pages 19-24, 2015
- Anna Alphy, S. Prabakaran “Survey on web usage mining techniques” in International Journal of Engineering and Science Research (ISSN: 22772685), IJESR/ICRTC 2012/ Special Issue/Article No-2/10-20.

Papers Published in International Conference

- M. Parthiban and A. Alphy, "Analysis and Prediction of COVID-19 using Machine Learning," 2024 International Conference on Advances in Computing, Communication and Applied Informatics (ACCAI), Chennai, India, 2024.
- M. Parthiban and A. Alphy, " Concurrent Fusion LSTM Model for Accurate Prediction of Covid-19 Progression Using Multi Source Data," 2025 International Conference on Frontier Technologies and Solutions (ICFTS), Chennai, India, 2025,
- Anna Alphy, S. Prabakaran, “Cluster optimization for improved web Usage Mining using Ant nest mate approach” in International Conference (ICRTIT-2011) held at Madras Institute of technology, sponsored by IEEE Madras Section on 3rd to 5th June 2011.
- Anna Alphy, S. Prabakaran, ” Survey on Web Usage Mining Techniques”, International Conference on Recent Trends in Computing (ICRTC 2012), SRM University, NCR Campus, Oct. 2012

Papers published in National Conference

- Anna Alphy, S. Prabakaran “An efficient personalization of the web page using ATR1 neural network approach and Ant Nest mate Analysis “in National conference (NCNICS’11) held at SNS college of Technology, Coimbatore, 2011.
- Anna Alphy, Hemalatha G., “A Framework for Personalizing a Web Page by Tracking User Profiles” in National Conference (SPIN-09) held at Vishwajyothi College of Engineering, sponsored by ISTE Kerala section in association with Computer Society of India, Cochin Chapter, 2009.
- Anna Alphy, Hemalatha G., "A Framework for Personalizing a Web Page by Tracking User Profiles" in National Conference (NCFRAC'09) held at in Saintgits college of Engineering, 2009.