



Dr. Divya R
Associate Professor in Computer Science and Engineering

Administrative Responsibilities

1. Executive member, National Digital Library of India(NDLI)
2. In charge of Linways Automation Software
3. Department coordinator of NBA Criteria 2
4. University exam cell joint convener
5. Department timetable committee convener
6. Department coordinator of IEDC activities
Department association in-charge
7. College General program convener
8. Coders club convener
9. Committee coordinator of various conferences and FDPs organized by the department
10. Convener of Parent Teacher Welfare Association(PTWA)

Education Summary

PhD, Karunya University, Coimbatore (2023).

ME, Computer Science and Engineering, Anna University, Coimbatore(2008-2010)

BTech, Computer Science and Engineering, M.G. University, Kottayam(2002-2006)

Employment History

1. **Associate Professor**, Christ College of Engineering, Irinjalakuda(2025 August- Present)
2. **Assistant Professor**, Amrita School of Computing, Amrita Vishwa Vidyapeetham, Amritapuri, Kerala(2023 December – 2025 July)
3. **Assistant Professor**, Sahrdaya College of Engineering and Technology, Thrissur, Kerala.(2011 – 2023 November)
4. **Lecturer**, Nehru college of Engineering and Research center, Pampady, Thrissur, Kerala.(2010 – 2011)
5. **Lecturer**, Mangalam College of Engineering, Kottayam, Kerala(2007 – 2008)
6. **Lecturer**, Govt. Engineering College, Idukki, Kerala(2006 – 2007)

Paper Publications

Journal Articles

1. Divya, R., Aparna, U., Kodakara, T., Athira, B., & Ramakrishnan, A. (n.d.). Spotter: Detection of human beings under collapsed environment.
2. Divya, R., SCET, T., Riya, T., Johns, R., Sreelakshmi, T., & Davies, T. (n.d.). Fall detection using openpose.
3. Divya, R., Varsha, A., Midhuna, V., & Rilty. (n.d.). Agrotech: Soil classification and crop recommendation.
4. Radhakrishnan, D., & James, D. P. (2022). Eye-tact: An ensemble based multi-model and multidimensional approach for fall prediction and evaluation in parkinson's disease patients. *Expert Systems*, e13182 (Scopus Indexed Q₂ Journal).
5. Divya, R., & Peter, J. D. (2021b). Smart healthcare system-a brain-like computing approach for analyzing the performance of detectron2 and posenet models for anomalous action detection in aged people with movement impairments. *Complex & Intelligent Systems*, 1–20 (Scopus Indexed Q₁ Journal).
6. Thomas, J., Maneesha, K., Vijayan, N. S., & Divya, R. (2018). Touch me not-a women safety device. *Int Res J Eng Technol (IRJET)*.
7. Johnson, A., & Divya, R. (2016). A survey on efficient service recommendation on large data clusters.
8. *International Journal of Science, Engineering and Computer Technology*, G(2), 78.

Conference Proceedings

1. Divya, R. (2025). Assessing the diagnostic accuracy of vowel-based acoustic biomarkers in parkinson's disease. In *2025 international conference on electronics and renewable systems (icears)* (pp. 1868–1873). IEEE (Scopus Indexed).
2. Divya, R., & Peter, J. D. (2022). Intelligent assistance: Enhanced real-time patient-specific model for fall detection and evaluation. In *2022 8th international conference on advanced computing and communication systems (icaccs)* (Vol. 1, pp. 390–395). IEEE (Scopus Indexed).
3. Divya, R., & Peter, J. D. (2021a). Quantum machine learning: A comprehensive review on optimization of machine learning algorithms. In *2021 fourth international conference on microelectronics, signals & systems (icmss)* (pp. 1–6). IEEE (Scopus Indexed).

Books and Chapters

1. Divya, R., Sowmiya, M., Thilagavathi, C., Rajeswari, M., Anusree, K., & Krishna, S. (2021). Review of existing systems in biomedical using deep learning algorithms. In *Handbook of deep learning in biomedical engineering and health informatics* (pp. 1–24). Apple Academic Press.
2. Divya, R., Thilagavathi, C., Sheethal, M., Devassy, D., Priya, K., & Rajeswari, M. (2019). Security issues on internet of things in smart cities. In *Handbook of research on implementation and deployment of iot projects in smart cities* (pp. 149–164). IGI Global.

Conferences Attended

1. Presented a paper titled "AI-Powered Voice Analysis for Early Diagnosis and Severity Assessment of Parkinson's Disease" in an IEEE-sponsored International Conference on Information and Communication Technology for Intelligent Systems (ICTS 2025, Thailand).
2. Presented a paper titled "Assessing the Diagnostic Accuracy of Vowel-Based Acoustic Biomarkers in Parkinson's Disease" in an IEEE-sponsored International Conference on Electronics and Renewable Systems ICEARS 2025.
3. Presented a paper titled "Intelligent assistance: Enhanced real-time patient specific model for fall detection and evaluation" in an IEEE-sponsored International Conference on Advanced Computing and Communication Systems-ICACCS at Sri Eshwar College of Engineering, Coimbatore.
4. Presented a paper titled "Quantum Machine Learning: A comprehensive review on optimization of machine learning algorithms" in an IEEE-sponsored International Conference on Microelectronics Signals and Systems-ICMSS at TKM College of Engineering, Kollam.
5. Presented a paper titled "A review on pose estimation system for elderly people" in an AICTE-sponsored National Conference ABACON 2.0 at Sahridaya College of Engineering and Technology, Thrissur.

Areas of Interest

1. Machine Learning and Deep Learning
2. Augmented Reality in Healthcare

Achievements

1. Received Certificate of achievement for the outstanding performance in teaching during the period January-June 2024 from Amrita School of Computing, Amritapuri.
2. Received best paper award for the paper titled "A review on pose estimation system for elderly people" in an AICTE sponsored National Conference ABACON 2.0 at Sahridaya College of Engineering and Technology, Thrissur."
3. Awarded for publishing papers in international journals indexed by SCIE.
4. Awarded for enabling students to achieve 100% result in University Examination in Computer Organization and Architecture.
5. Awarded for enabling students to achieve 100% result in University Examination in Embedded Systems.
6. Awarded for completing five years in Sahridaya College of Engineering and Technology.

FDPs attended

1. Participated in a one-day faculty Development Program 'Sahabhavanam', building a community of Inspired Engineers, Level-1, organized by Amrita School of Spiritual and

Cultural studies on 5th October, 2024.

2. Successfully completed ISTE approved One Week Online Faculty Development Program on “Inno- vative Approaches of Artificial Intelligence and Machine Learning for Healthcare and Agriculture” during 29th September 2024 to 04th October 2024.
3. Successfully completed AICTE sponsored five days ATAL FDP on Data Science organized by NIT, Mizoram
4. Successfully completed and secured grade A+ in LaTeX101x: LaTeX for Students, Engineers, and Sci- entists, an online course conducted by IITBombayX, an online learning initiative of Indian Institute of Technology Bombay.
5. Completed eight weeks AICTE sponsored NPTEL course on Data Science for Engineers organized by IIT Madras with Elite certification
6. Completed twelve weeks AICTE sponsored NPTEL course on The Joy of Computing using Python organized by IIT Madras with Elite+Silver certification
7. Completed eight weeks AICTE sponsored NPTEL course on Introduction to Machine Learning or- ganized by IIT Madras with Elite+Silver certification
8. Completed twelve weeks AICTE sponsored NPTEL course on The Joy of Computing using Python organized by IIT Madras with Elite+Silver certification
9. Completed twelve weeks AICTE sponsored NPTEL course on The Digital Image Processing orga- nized by IIT Madras with Elite certification
10. Completed twelve weeks AICTE sponsored NPTEL course on Introduction to Automata, Languages and Computation organized by IIT Madras with Elite+ Gold certification
11. Completed one week FDP on Machine Learning organized by Saintgits College of Engineering, Kottayam
12. Completed five days national workshop on Image Processing and Computer Vision organized by Sathyabama University, Tamilnadu
13. Participated in two weeks national level faculty development programme on Entrepreneurship sponsord by NSTEDB, Department of Science and Technology, Government of India, organized by Ama- jyothi College of Engineering, Kanjirappally
14. Participated two days Faculty Bootcamp workshop on Design Thinking, organized by Sahrdaya Col lege of Engineering and Technology, Thrissur
15. Participated five days KTU sponsored FDP on Theory and Practice of Data Science organized by Jyothy Engineering College, Thrissur
16. Successfully completed AICTE approved FDP on Foundation Program in ICT for education organized by IIT Bombay.
17. Participated in the FDP on Automaton in the world of AI, ML, and Data Science organized by TCS, Kochin.
18. Participated in five days FDP on Starting Research from Scratch, oraganized by Karunya Institute of Technology and Sciences, Coimbatore.
19. Participated and successfully completed the Part 1 of the online UHV Refresher 1 FDP organized by All India Council for Technical Education(AICTE).
20. Participated and successfully completed the 5-day online FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Educa- tion(AICTE).