Name: Dr. S. Devipriya

Designation: Faculty Associate

Department: B.Sc. IT

Qualification: M.Sc., Ph.D

Experience: Teaching - Nil, Company – Nil

Research: 4 Years

Area of Specialization(s): Data Mining

Email (Official ID): s_devipriya@psgrkcw.ac.in

IRINS Link: https://psgrkcw.irins.org/profile/645616

LinkedIn Link: https://www.linkedin.com/in/devi-priya-74278216b

Academic Qualifications

Degree	Branch	Institution/University Name	Year of Graduation
Ph.D.	Computer Science	PSGR Krishnammal College for Women	November 2025
M.Sc.	Information Technology	PSGR Krishnammal College for Women	April 2020
BCA	Computer Applications	Dr. G. R. Damodaran College of Science	December 2017

Additional Qualifications

Diploma/ Vocational/ Certification	Area of Specialization	Institution/University/Agency Name	Year
Certification	Data Mining	NPTEL	April 2020
Certification	Python Programming	Coursera	January 2020

Research Publications (Scopus Indexed)

1. Selvaraj, Devipriya, M. S. Vijaya, and Krishnaveni Sakkarapani. "Improved half-maximal inhibitory concentration regression model using amyotrophic lateral sclerosis data." *Bulletin of Electrical Engineering and Informatics* 14.3 (2025): 2276-2287.

2. Devipriya, S., Vijaya, M.S. (2024). Graph Convolutional Neural Network for IC50 Prediction Model Using Amyotrophic Lateral Sclerosis Targets. In: Nanda, S.J., Yadav, R.P., Gandomi, A.H., Saraswat, M. (eds) Data Science and Applications. ICDSA 2023. Lecture Notes in Networks and Systems, vol 819. Springer, Singapore. https://doi.org/10.1007/978-981-99-7820-5_7

3. Devipriya, S., Vijaya, M.S. (2024). Gated Recurrent Unit with Attention Mechanism for IC50 Prediction Model Using Amyotrophic Lateral Sclerosis Related Proteins. In: Shrivastava, V., Bansal, J.C., Panigrahi, B.K. (eds) Power Engineering and Intelligent Systems. PEIS2024 2024. Lecture Notes in Electrical Engineering, vol 1247. Springer, Singapore. https://doi.org/10.1007/978-981-97-6714-4_4

4. Devipriya, S., & Vijaya, M. S. (2024). GRAPH CONVOLUTIONAL NEURAL NETWORK FOR IC50 PREDICTION MODEL WITH DRUG SMILES GRAPHS AND GENE EXPRESSIONS OF AMYOTROPHIC LATERAL SCLEROSIS.

5. Devipriya, S., and M. S. Vijaya. "Drug Efficacy Score Prediction using Signature Based Approaches for Amyotrophic Lateral Sclerosis Disorder: A Review." *2022 4th International Conference on Inventive Research in Computing Applications (ICIRCA)*. IEEE, 2022.

6. Devipriya, S., and Krishnaveni Sakkarapani. "Cross-Modality Fusion Networks for Bio Activity Regression using Amyotrophic Lateral Sclerosis and Alzheimer's Data." *2025 International Conference on Metaverse and Current Trends in Computing (ICMCTC)*. IEEE, 2025.

Other Publications (International/National)

1. S. Devipriya & Krishnaveni Sakkarapani. (2025). Multimodal neural network for drug activity regression model with augmented drug graphs and gene expressions of amyotrophic lateral sclerosis and alzheimer's diseases. *International Journal of Computational and Experimental Science and Engineering*, *11*(3). https://doi.org/10.22399/ijcesen.3571

Paper Presentations in Conferences

1. 2022 4th International Conference on Inventive Research in Computing Applications (ICIRCA)
2. 2025 International Conference on Metaverse and Current Trends in Computing (ICMCTC)
3. 5th International Conference on Data Science and Applications (ICDSA 2024)
4. 2022 4th International Conference on Inventive Research in Computing Applications (ICIRCA)

Participation in Seminars / Webinars

Actively participated in over 10 seminars/webinars on topics like Data Mining, Machine Learning, R Programming..

Participation in Workshops

Participated in 5 workshops on RPA, Data Mining, Machine Learning, Python, and R Programming.

Participation in Faculty Development Programmes

Participated in 5 plus FDPs on AI in education, Entrepreneurship Development.

Conferences / Workshops Organized

Organized and led multiple workshops and seminars on emerging technology topics.