Name : **Ms. Vaishnavi N**

Designation : Assistant Professor

Department : Information Technology

Qualification : M.Sc., M.Phil., (Ph.D.)

Experience : Teaching - 2 Years, Industry - 2 Years, Research - 3 Years

Area of Specialization(s) : AI & ML

Email : vaishnavi.n@drngpasc.ac.in

Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph.D.	Computer Science	Dr.SNS Rajalakshmi College of Arts & Science	Pursuing
M.Phil.	Computer Science	KG College of Arts & Science	2021
M.Sc.	Computer Science	Tamil Nadu Open University	2019 [Gold Medal]
B.Sc.	Computer Science	Dr. N.G.P. Arts and Science College	2016

Additional Qualifications

Dip./ Cert.	Area of Specialization	Institution / University / Agency Name	Year
Certificate	Python Programming	Guvi Institution	2023
Certificate	Multimedia	Apex Multimedia Training Center	2016
Certificate	Software Testing	STC Technologies	2016

Publications: International / National Journals

- N. Vaishnavi, **Implementation of Machine Learning in Higher Education**, International Journal of Research in Engineering, Science and Management, Apr 2021, ISSN No. 2581-5782.

Book Chapter

- N. Vaishnavi, A. Devi, **Artificial Neural Network Techniques in Education**, Emerging Trends in Information Technology – Vol I, Rathinam College of Arts and Science, Coimbatore, September 2023, ISBN 978-81-965283-7-9.

Book Publications

- N. Vaishnavi, **Introduction to Data Science**, Prime International Publication, ISBN: 978-93-6010-097-1, December 2023

Presentation in Conference

- N. Vaishnavi, "**Artificial Intelligence Techniques in Education**", Proceedings of International Conference on Enhanced Techniques in Real - Time Applications (ICETRA'23), United College of Arts and Science, Sep – 2023, ISBN: 978-93-91347-37-6.

- A. Sathiya Priya, N. Vaishnavi, "**Artificial learning and its application – Review**", Proceedings of International Conference on Ai for Sustainable Development – Challenges and Opportunities, VET Institution of Arts and Science College, Dec 2022, ISBN: 978-93-95422-56-7, Pg:191-200.

- N. Vaishnavi, "**Neurocomputing Analysis of Students in Virtual Learning Environment**", Proceedings of International Conference on Enhanced Techniques in Real - Time Applications (ICETRA'23), United College of Arts and Science, Dec – 2022, ISBN: 978-93-91347-37-6.

- N. Vaishnavi, "**Multiple Regression Analysis method to Predict the Student Performance in Virtual Learning Environment**", Proceedings of International Conference on Interdisciplinary Research in Social Sciences, Sciences and Technology, KG College of Arts and Science, May 2021, ISSN No. ISBN 978-81-951822-8-2.

Participation in Seminars/Workshop

- NAAC collaborated National Virtual Seminar on **Holistic and Multidisciplinary Approach Towards National Higher Education Quality Framework,** 05 & 06-Jul-23.

- National Level Seminar on **Upskilling Students in Higher Education - An Introduction"**, PSG College of Arts & Science, Coimbatore, 16 & 17-Mar-22.

- National Level Webinar on **Deep dive into Ransomware Attacks**, Antwalk, 15-Dec-21.

- Five Days Workshop on **Research with Patenting,** Sri Ramakrishna College of Arts & Science, Coimbatore, 09 to 13-Nov-21.

- Seven Days Workshop on **Artificial Intelligence in Machine Learning,** St. Claret College, 15 to 21-Nov-21.

- National Level Webinar on **Understand In-demand Cybersecurity Skills in 2021**, AntWak, 23-Sep-21.

- National Level Webinar on **Blockchain Technology and its Application**, Sri Krishna Adithya College of Arts and Science, 17-Aug-21.

- National Level Webinar on **P2B#151 Google Colab Machine Learning App**, Perfect Plan B E-Learning Private Limited, 30-Aug-21.

- National Level Webinar on **Career prospects in Cybersecurity - Insights from an Industry Insider**, AntWak, 10-Jun-21.
- Seven Days Hands-on Training on **Edge Computing and Artificial Intelligence**, KG College of Arts & Science, Coimbatore, 13 to 20-Sep-21.
- National Level Webinar on **IoT Based Vehicular ADHoc Network**, St. Joseph's College of Engineering, 15-Jun-20.

Participation in Faculty Development Programme

- **Research Trends in Science and Technology,** Hindusthan College of Arts and Science, Coimbatore, 06 to 11-Mar-23.
- **Cybersecurity Associate**, Tamil Nadu Skill Development Corporation - Govt. of Tamil Nadu and Bharathiar University, Coimbatore, 06 to 10-Feb-23.
- **Data Science Specialization using Python,** Dr.SNS Rajalakshmi College of Arts and Science, Coimbatore, 19 to 23-Jun-23.
- **Machine Learning using Python,** Dr.SNS Rajalakshmi College of Arts and Science, Coimbatore, 13 to 17-Mar-23.
- **Recent Trends in Research Methodologies and Tools**, KG College of Arts and Science, 10 to 14-Oct-22.
- International Virtual FDP on **Enriching Communication Skills**, WELLTA, 05-Oct-22.
- **Artificial Intelligence and Cloud Services,** Sri Ramakrishna College of Arts and Science, Coimbatore, 31-Oct-22 to 04-Nov-22.
- **Emerging Innovative Trends in the Tutelage of Quality Research Paper Writing and Publishing it in Top-Notch Scopus Indexed Journals - Tips & Techniques**, Adithya Institute of Technology, 18-Dec-21.
- **Robotic Process Automation and IoT in Agriculture**, Sri Ramakrishna College of Arts & Science, 06 to 11-Sep-21.

Patent

- A Framework for Open-Source GenAI LLM and Diffusion-Based Models using Compression and Optimization, 05-Jan-24.