Name : Mrs. R.Ranjani

Designation : Assistant Professor

Department : Computer Science with Data Analytics

Qualification : M.C.A., M.Phil., UGC - NET

Experience : Teaching: 9.10 Years   Industry: 2 Years   Research: 3 Year

Area of Specialization(s) : Data Mining, Machine Learning

Email (Official ID) : ranjani@drngpasc.ac.in

Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
PhD	Computer Science	PSG College of Arts and Science	Pursuing
M. Phil.	Computer Science	PSG College of Arts and Science	2012
MCA	Computer Applications	PSG College of Arts and Science	2010
B.Sc	Bio Chemistry	PSG College of Arts and Science	2007

Additional Qualifications

Diploma / Vocational / Certification	Area of Specialization	Institution / University / Agency Name	Year
NET	Computer Science	UGC	2020
NPTEL	Python for Data Science	IIT - Madras	2022
NPTEL	Deep Learning	IIT - Madras	2023
NPTEL	Business Analytics and Data Mining Modeling using R	IIT - Roorkee	2024

Other Publications: International / National Journals

1.   R.Ranjani,Dr.L.Thara, Enhancing Orthopaedic Diagnosis through CNN for Knee X-Ray Analysis, Journal of Computational Analysis and Applications, VOL. 33, NO. 5, 2024,ISSN1572-9206(Scopus)

2.   R.Ranjani,Dr.L.Thara,Advancements in Diagnosing and Monitoring KOA through Intelligent Sensor Technologies, Indian Journal of Natural Sciences, ISSN: 0976 – 0997, Vol.15 / Issue 85 / Aug / 2024(Web of Science)

3.   R.Ranjani,Dr.L.Thara, **Classification of OA and RA based on Ensemble Machine Learning,** Stochastic Modelling and Computational Sciences, ISSN: 2752-3829, Vol. 3 No.2, (December, 2023)(Scopus)

4.   R.Ranjani,Dr.L.Thara, **Hybrid Model for classification of Osteoarthritis Grading using Deep Lerning.** Journal of current reaearch in Engineering and Science, Volume 6 –Issue 2,August 2023,ISSN:2581-611X.

5.   R.Ranjani, Ms.A.Karthika, **Survey of Energy Consumption Prediction using Machine Learning ,**International Conference on Intelligent Computing in Humanity,Agriculture,Science and Technology, M.V.Muthaiah Govt.Arts College for Women, Dindigul,May 26&27 -2022

6.   R.Ranjani, A.Jency Rose, **Crypto Forecast using Machine Learning Techniques ,**International Conference on Digital Information Security and Computing Technologies in Collaboration with Lincoln University, Sankara College of Science and Commerce, Coimbatore,12-Apr-2022,ISBN:978-93-5620-321-1(424 - 429)

7. R.Ranjani, **Quantum Key Distribution,** International Journal of Trend in Research and Development (IJTRD), Volume-3 | Issue-2, March-April 2016, ISSN: 2394-9333.

8. R.Ranjani, **Electronic student leave organizer**, International Journal of Trend in Research and Development (IJTRD), Volume-3 | Issue-2, Mar – April 2016, ISSN: 2394-9333.

9. R.Ranjani, Darchana,**Content search using Multimedia Monitoring and Querying (MMQ),**

International Journal of Trend in Research and Development, Volume 3(1),Pg No (333-336) Jan – Feb 2016, ISSN: 2394-9333.

10.   R.Ranjani, I.Nabela, **Bakery Management System**, International Journal of Trend in Researchand Development, Volume 3(1),Pg No (366-369) Jan – Feb 2016, ISSN: 2394-9333.

11.   R.Ranjani, Anita, **Easy App for Expense Manager Using Android,** International Journal of Trend in Research and Development (IJTRD), and Volume-3 | Issue-2, Jan – Feb 2016, ISSN: 2394-9333.

12.   R.Ranjani, **Congregation of sickle cell anemia exhausting data mining contrivance as per classification set of rules,** international conference ICAETSD 2016, ISBN:9 789384 943189

13.   R.Ranjani, **A Review on Software Testing**, International journal of Trend in Research and Development, Volume 2 Issue 4, July - August 2015, ISSN: 2394-9333.

14.   R.Ranjani, **An Enhancement of mining videos based on annotation reranking method usingNcut Algorithms,** IJCSIT Volume.5 (6), 2014, 7690-7696 (ISSN: 0975-9646).

Presentations in Conference

      1. **A Comparative study on Osteoarthritis and Rheumatoid Arthritis**, International Conference on Computational Intelligence and Biological Sciences (ICCIBS 2023), 5th October, 2023,Ramakrishna College for women

      2. **A Study on Tuning the Voice of the Customers in the Midst of Voice Mining,** International Conference on Good Governance and Sustainable Development, Annamalai University, 2012.

      3. **A Study on Tuning the Voice of the Customers**, National Conference on Current Trends In Computing, Sri Krishna Arts and Science College, Coimbatore, 12-2-2011.

Participation in Seminars

      Research in Computers: Why, What and How? Bharathiar University, Coimbatore, 13-Dec-2010.

Awards / Honors

Awards / Honors	Agency / Institute	Year of Award
100% Results, Data Communication and Networks, Web Technologies, UML.	Sri Krishna Arts and Science College	2015

Participation in Workshop

1. Participated in the One Day Workshop on Outcome Based Education (OBE) organized by Dr. N.G.P Arts and Science College, Coimbatore in association with ipsr solutions limited on 04 March 2023.
2. DHR – ICMR Sponsored one day National Level Workshop on Advanced Artificial Intelligence(AI) Methods in Breast Cancer Diagnosis and Clinical Research, Dr.N.G.P.Arts and Science College, 26-Nov-2022

Participation in Faculty Development Programme

1. 5 Days ATAL FDP on Transforming Industries with AI : Deep learning breakthroughs and real-world applications at SRM Institute of Science and Technology Ramapuram campus from 20/01/2025 to 25/01/2025.
2. 7 Days National Level FDP on Machine Learning and Deep Learning, SRM Institute of Science and Technology, Chennai,11-10-2022 to 15-10-2022.
3. 10 hours online FDP on Personality Development conducted by ICT Academy on 6-6-2022 to 10-6-2022
4. Plagiarism in Academic Research & Author Identifiers, Indian Institute of Management and Commerce,11-Apr-2022 and 12-Apr-2022

5. 7 Days National Level FDP "The art of Teaching in HEI's"held from 1-6-2022 to 9-6-2022, IOT Academy.