Name	**:** C. Karpagam
Designation	**:** Assistant Professor
Department	**:** Computer Science
Qualification	**:** M.C.A., M. Sc. (CP)., TN – SET., UGC-NET., (Ph.D.)
Experience	**:** Teaching: 15 Years Industry: 1 Year
Area of Specialization(s)	**:** Machine Learning
Email (Official ID)	**:** karpagam@drngpasc.ac.in

Academic Qualifications

Degree	Branch	Institution / University Name	Year of Graduation
Ph.D (Pursuing)	Computer Science	Bharathiyar University	-
M. Sc.	Counseling and Psychotherapy	TNOU, Chennai	2013
M. C. A.	Computer Applications	KGISL IIM, Coimbatore	2008
B. Sc.	Computer Science	Kongu Arts and Science College, Erode	2005

Additional Qualifications

Diploma / Vocational / Certification	Area of Specialization	Institution / University / Agency Name	Year
NET	Computer Science	UGC	2019
SET	Computer Science	TNSET	2016

Other Publications: International / National Journals

1) Published a paper entitled "**Identifying Optimal Feature Set for Improved Autism Classification Using Machine Learning Techniques**" in the International Journal of Engineering Trends and Technology, Scopus Indexed Journal ISSN: 2231-5381, Volume 72 Issue 4, April 2024, Pg. No: 306-314 DOI: https://doi.org/10.14445/22315381/IJETT-V72I4P131

2) C. Karpagam & C. Deepa, **Autism Detection with Facial Expression using a Modified Convolutional Neural Network**, Stochastic Modelling and Computational Sciences, Scopus Indexed Online Journal ISSN: 2752-3829, Volume 3, No. 2 December 2023, Pg. No: 670-677.

3) C. Karpagam & S. Gomathi, **Examination on Early Detection of Autism Syndrome in Child Development Disorder**, European Journal of Molecular & Clinical Medicine (EJMCM), Scopus Indexed Online Journal ISSN: 2515-8260, Volume 7, Issue 11, 2020, Pg. No: 1593-1598.

4) C. Karpagam & S. Gomathi, **Examination of Location Based Services and User Preferences**, International Journal of Innovative Technology and Exploring Engineering (IJITEE), Scopus Journal ISSN: 2278-3075, Volume-9 Issue-2S3, December 2019, Pg. No: 342-346.

5) C. Karpagam & S. R. Kalaiselvi, **The Collective Spatial Keyword Query Processing Based on User Preferences**, International Journal of Advanced Research in Computer Science, December 2017, ISSN: 0976-5697.

Presentations in Conference

1) **Machine Learning Meets Cyberbullying** in the 2nd National Conference on Recent Trends in Artificial Intelligence and Soft Computing (NCRTAS-2024) organized by Bannari Amman Institute of Technology, Sathyamanagalam on 18th December, 2024.

2) **Detection of Autism Spectrum Disorder in Eye Tracking using Hybrid Machine Learning and Deep Learning Technique** in the IEEE Sponsored 5th International Conference on Smart Electronics and Communication (ICOSEC) organized by Kongunadu College of Engineering and Technology, Trichy on 18th - 20th September, 2024.

3) **Exploratory Data Analysis on Recommendation System Using Machine Learning Methods** in the International Conference on Computational Intelligence and Communication Technologies, (ICCICT 2024) organized by Dr.N.G.P.Arts and Science College on 4th January, 2024.

4) **Comparative Study of Machine Learning Approaches for Airline Reviews** in the International Conference on Computational Intelligence and Communication Technologies, (ICCICT 2024) organized by Dr.N.G.P.Arts and Science College on 4th January, 2024.

5) **Autism Detection using Machine Learning Approach: A Review** in the Springer International Conference on Machine Intelligence and Smart Systems (MISS – 2021) organized by IPS College of Technology and Management, Gwalior, Madhya Pradesh on 24th & 25th September 2021.

6) **An Experiment on Logistic Regression Analysis to Detect Autism Spectrum Disorder** in the IEEE Sponsored First International Conference on Electrical, Electronics, Information and Communication Technologies (ICEEICT 2022) organized by K.Ramakrishnan College of Engineering, Tiruchirappalli, Tamil Nadu during 16th – 18th February 2022.

7) **An Exploratory Data Analysis to Determine Autism Spectrum Disorder In Young Children Using Machine Learning Approaches** in the International Conference on Computational Intelligence and Communication, (ICCIC 2022) organized by Presidency College, Karnataka on 16th September 2022.

8) **The Importance of Mobile Location Based Services Based on User Preferences**, International Conference on Research Trends in Computing Technologies (ICRTCT – 18), Dr. N. G. P. Arts and Science College, Coimbatore on 9-Aug-18 to 10-Aug-18.

9) **Comparison of K-Means and KNN Algorithm in Data Mining**, International Conference on

Recent Advancements in Information Technology, Science & Engineering (ICRAITSE – 17), A.P.C. Mahalakshmi College for Women, Thoothukudi, 14-Dec-17 to 15-Dec-17.

10) **A Study on Mobile LBS Based on User Preference**, International Conference on Computer Applications and Information Technology, Hindusthan College of Arts and Science, Coimbatore, 11-Mar-16.

Participation in Workshop

1) **LaTeX for Technical Paper Writing**, Dr. N. G. P. Institute of Technology, Coimbatore, 17-Feb-15.

2) **Science Academies Lecture Workshop on Big Data Analytics**, S.N.R. Sons College, 22-Feb-17 to 23-Feb-17.

3) **Data Analytics using R–Software**, Bannari Amman Institute of Technology, Sathyamangalam, 14-Jul-17 to15-Jul-17.

4) **Cloud Computing: IT Applications Maintenance and Services**, Faculty Development Programme organized by TATA Consultancy Services from 11-Jun-19 to 17 Jun-19

5) **Cancer Prediction using Machine Learning**, a virtual workshop organized by Wisecorner Laboratories Pvt Ltd & Crescent Innovation & Incubation Council, Chennai on 16th August 2020.

6) **Outcome Based Education,** One Day Workshop organized by IPSR Solutions Limited, on 4th March 2023.

7) **Leveraging Generative AI for Teaching Programming Courses**, online workshop organized by NPTEL, on 10-11 & 17-18 June 2023.

Participation in Orientation Programme / Short Term Courses

1) **Deep Learning**, NPTEL Certification, Apr-24
2) **Learning Analytics Tools**, NPTEL Online Certification, Oct-22
3) **Introduction to Machine Learning**, NPTEL Online Certification, Sep-21
4) **Data Science for Engineers**, NPTEL Online Certification, Nov-20
5) **Machine Learning Foundations: A Case Study Approach,** Coursera from University of Washington, Sep 2020
6) **Python for Data Science**, NPTEL Online Certification, Oct-19.
7) **The Joy of Computing Using Python**, NPTEL Online Certification, Nov-18.
8) **Introduction to R Software**, NPTEL Online Certification, Oct-17.

Participation in Faculty Development Programme

1) **Python for Data Science**, NPTEL-AICTE, Funded by Ministry of HRD, Govt. of India, Aug-Sep-19

2) **Data Science and Big Data Analytics**, ICT Academy of Tamil Nadu, 10-Dec-18. to 14-Dec-18.

3) **Quality Measures in Higher Education**, Dr. N. G. P. Arts and Science College,3-Dec-18. to 9-Dec-18.

4) **Data Science and Big Data Analytics**, IIT, Guwahati & E&ICT Academy, Guwahati, 11-Sep-17 to 17-Sep-17.

5) **Salesforce Trailhead**, PSG Institute of Technology and Applied Research, 15-Jun-17 to 16-Jun-17.

6) **Mobile Application Development**, ICT Academy of Tamil Nadu, 24 to 28-Aug-15.

7) **Introduction to J2EE Programming**, ICT Academy of Tamil Nadu, 23 to 24-Dec-15.

8) **Teaching Efficacy**, St.Joseph University, Nagaland and Special Minds, 14 to 27 Feb -22.

9) **Achieving Excellence through Self Awareness: Upbeat your Life Skills**, Scientific Research Association, 26 to 30-Jun 22.

10) **Microsoft Power BI Data Analyst Associate,** ICT Academy of Tamil Nadu, 5 to 9-Dec-22.

11) **Teaching and Learning Process in HEI's**, IOT Academy, 7 to 15-Feb-23.

12) **Outcome Based Education**, five day Faculty Development Programme organized by Center for Professional Development, Dr. NGP. ASC College, during 17th June to 21st June 2023.

13) **Empowering Education for Innovation** – *A NEP Perspective,* five day Faculty Development Programme organized by Center for Professional Development, Dr. NGP. ASC College, during 30th June to 4th July 2023.

14) **Android Basics with Compose** – five day Faculty Development Programme organized by ICT Academy of Tamil Nadu from 19th to 23rd February 2024.

15) **Deep Learning**, Faculty Development Programme organized by NPTEL-AICTE, Funded by Ministry of HRD, Govt. of India during Jan to Apr 2024.

16) **Innovative trends in Artificial intelligence for teaching and research**, 5 Days National Level Virtual Faculty Development Programme organized by Consortium of Higher Educational Institutions for Research and Development (CHIRD) from Jan 27th to 31rd 2025.

Conference / Seminar / Workshop Organized

1) Organizer, Second International Conference on Research Trends in Computing Technologies, Faculty of Computer Science, Dr. N.G.P. Arts and Science College, Coimbatore, 28-Feb-20 to 29-Feb-20.

2) Organizer, State Level Technical Symposium – Techopedia 2020, Dr. N.G.P. Arts and Science College, Coimbatore, 13-Feb-20.

Membership in Professional Bodies

Name of the Professional Body	Nature of membership	Duration
Indian Society for Technical education	Life-time	-
Association for Computing Machinery	Annual	2022-23

Awards / Honors

Awards / Honors	Agency / Institute	Year of Award
Gold Medal	NPTEL	2018
Silver Medal	NPTEL	2019 &2022
Best Teacher	Dr. NGP Arts and Science College	2020 & 2021