

CURRICULUM VITAE



Dr.J.RAJESWARI M.Sc., Ph.D.

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CAREER OBJECTIVE

To utilize my knowledge and skills in teaching profile and to pursue a challenging career and to be a part of organization with persistence, dedication and hard work.

ACADEMIC CHRONICLE

- **Ph.D.** in Computer Science under the guidance of Dr.R.Gunasundari, Department of Computer Applications, Karpagam Academy of Higher Education, Coimbatore (Thesis entitled “Outlier Detection for Large-Scale Categorical Data using Evolutionary and Semi Supervised Clustering Methods”) awarded on July 2018.
- **M.Sc.** in Information Science and Management, Sree Saraswathi Thyagaraja College, Pollachi, first class with 76% awarded on April 2006.
- **B.Sc.** in Computer Science, Vidyasagar College of Arts & Science, Udumalpet, first class with 80% awarded on April 2004.
- **HSC**, State Board, Tamil Nadu, first class with 72%.
- **SSLC**, Matriculation Board, Tamil Nadu, first class with 80%.

AREA OF SPECIALIZATION

- Data Mining, Bioinformatics, Data Analysis, Networking.

PROFESSIONAL EXPERIENCE

- November 2021 – Till Date: **Assistant Professor and Head**, Department of Computer Science (Artificial Intelligence), Sri GVG Vishalakshi College for Women, Udumalpet.
- June 2018 – October 2021 : **Assistant Professor**, Department of Computer Science, Karpagam Academy of Higher Education, Coimbatore.
- June 2016 – May 2018 : **Assistant Professor**, Department of Computer Science, Sri GVG Vishalakshi College for Women, Udumalpet.
- June 2012 – May 2014 : **Assistant Professor**, Department of Computer Applications, Sri GVG Vishalakshi College for Women, Udumalpet.
- June 2011 – May 2012 : **Assistant Professor**, Department of Computer Science, Subramanya College of Arts and Science, Palani.
- August 2010 – May 2011 : Lecturer, Department of Computer Science, Subramanya College Of Engineering & Technology, Palani.

COURSES HANDLED

Data Mining, Principles of Compiler Design, .NET Programming, E-Commerce Technologies, Digital Image Processing, Artificial Intelligence, IOT, Operating System, Software Engineering, Software Testing, Programming in C/C++, Java, Web Designing, RDBMS and other related subjects.

WORK RESPONSIBILITIES

- Class Coordinator and Tutor for undergraduate students.
- Placement Mentor for final year students.
- Admission Committee
- Mentor for Students enrolling Cloud Computing in Swayam- NPTEL online Course.

PROFESSIONAL MEMBERSHIP

- International Computer Science and Engineering Society (ICSES) – #8136
- International Association of Engineers (IAENG) - 255834
- Computer Society of India (CSI) - I1505564

GUIDESHIP

Guiding Four Ph.D scholars at Karpagam Academy of Higher Education.

PUBLICATIONS

- Dr.J.Rajeswari, book chapter “Artificial Intelligence: Recent Trends and its Applications” under the book titled “Recent Trends in Computer Science” with ISBN Number 978-93-93622-04-4 on 19.1.2022.
- K.Parameswari, Dr.J.Rajeswari, “ Recent Studies on Industry 4.0 with Internet-Based Applications in small and Medium Industries”, Karpagam JCS Vol.15 Issue 1 Nov – Dec 2020.
- Dr.J.Rajeswari, Dr.B.FirdausBegam, “High Impacts Of Merits And Demerits Of Green Cloud Computing And Cloud Computing” – Accepted – Springer Lecture Notes Series (LNS), 2020. **(Scopus)**
- Dr.B.FirdausBegam, Dr.J.Rajeswari, “QSPR Prediction model using Partial Least Square Regression model” – Accepted – Springer Lecture Notes Series (LNS), 2020. **(Scopus)**
- Dr.B.FirdausBegam, Dr.J.Rajeswari, Dr.D.Shanmugapriyaa, “Security Over Cloud Computing Environment” – A Review, Vol-31-Issue-60-June-2020, ISSN: 0971-2143
- Dr,B,FirdausBegam, Dr.D.Shanmugapriyaa, Dr.J.Rajeswari, “Efficient Classification of Hepatitis C Virus Affected Patients”, Vol-31-Issue-55-June-2020, ISSN: 0971-2143
- Dr.J. Rajeswari Dr.D.ShanmugaPriyaaDr.B. FirdausBegam V.B. Shobikaa, “An Overview of Blockchain”, Karpagam JCS Vol.14 Issue 3 March - April 2020.
- J.Rajeswari, “ Outlier Detection Techniques using Evolutionary and Semi Supervised Clustering Methods”, International Journal for Research in Engineering Application & Management (IJREAM) Volume-05, Issue-07, Oct 2019
- B.FirdausBegam, J.Rajeswari, “Visualization of Chemical Space using Kernel Based Principal Component Research”,International Journal of Innovative Technology and Exploring Engineering (IJITEE), Volume-8, Issue-11S,2019.**(Scopus indexed)**
- J.Rajeswari, R.Gunasundari, “Optimizing Techniques For Unsupervised High Dimensional Data” Karpagam JCS, Vol.13, Issues 4May-June-2019.
- J.Rajeswari, R.Gunasundari, “Single Pass Attribute Value Frequency Based Outlier Detection For Large Scale Categorical Data”,International Journal Of Advances In Engineering And Emerging Technology (IJAEET) , Vol 8. No 10, OCT – 2016.
- J.Rajeswari, R.Gunasundari, “Expectation Maximization Particle Swarm Optimization Weighted Clustering For Outlier Detection” at IJCTA Vol 9, No 36, Nov 2016.**(Scopus indexed)**
- J.Rajeswari, R.Gunasundari, “Efficient Outlier Detection Using Graph Based Semi Supervised Clustering With Bat Algorithm”, International Scientific Journal On Science Engineering & Technology (ISJSET) Vol 19, No 8, Dec 2016.
- J.Rajeswari, R.ManickaChazian " Ascent Based Monte Carlo Expectation-Maximization Outlier Detection For Large Scale Categorical Data" at IJAER(International Journal of Applied Engineering Research Publication) Vol 10, No 4 with ISSN - 0973-4562 on March 2015.**(Scopus indexed)**

CONFERENCES

- “Study of Human Behavior Using Biometrics”, National Conference on “Emerging Technologies – Robotics and IoT” (NCET’20) ISBN: 978-93-5406-275-9 on 28th February, 2020.
- “An Overview of Blockchain”, National Conference on “Emerging Technologies – Robotics and IoT” (NCET’20) ISBN: 978-93-5406-275-9 on 28th February, 2020.
- “Characteristics of Biometrics”, National Conference on “Recent Trends and Advances in the Field of Information and Technology” (NCIT’19) ,Karpagam Academy of Higher Education, on 27th September, 2019 .
- "K-Means Clustering Algorithm vs Fuzzy C-Means Clustering Algorithm" at National Conference organised by KGiSL Institute of Information Management on Feb 2014
- "Outlier Detection For Large Scale Categorical Data Using Semi Supervised Clustering Methods" at KUARC 2014 held at Karpagam University.
- "Cluster Analysis In Data Mining" In National Conference on NCIT 2011 at Karpagam University.

WORKSHOP/SEMINAR ATTENDED

- Attended Three day International Workshop on “Predictive Modelling using R and SPSS”, by Loins Club of Chidambaram with Seva Academy, on 25.10.2021 to 27.10.2021.
- Attended one week Workshop on “Web Programming”, by Department of Computer Science and Engineering & IT on Aug 3 – Aug 8, 2020.
- Attended a Workshop on “Data Analysis with Python (Pandas and Numpy) by School of IT on 21&22 of July 2020.
- Seminar conducted by National Cyber Safety and Security Standards on “Cyber Awareness Programme on 5th October 2018.
- International Seminar on "RESEARCH In Computers: Why, What And How?" held at Bharathiar University on Feb 2012.
- Attended a Workshop on "Pattern Recognition And Data Mining With Weka" at MCET on March 2011.

WORKSHOP/SEMINAR ORGANISED

- Workshop on “Problem Solving and Ideation – Innovative Thinking” with IICGVGVC on 20.11.2021.
- Workshop on “Natural Language Processing using IBM Watson” on 16.12.2021.

ONLINE COURSES

- NPTEL Online Certification Course completed with Elite on “Internet of Things”, July-Oct 2019.
- NPTEL Online Certification Course completed on Data Base Management System Feb-Apr-2019
- NPTEL Online Certification Course completed on Web Designing, March-2020.

BOOK CHAPTER

- J.Rajeswari, Dr.R.Manicka Chezian, “K-means Clustering Algorithm Vs Fuzzy C-means Clustering Algorithm”, National Conference on Advanced Computing and IT Applications, ISBN: 978-81-910178-4-7, pp.7-10, 2014.

FACULTY DEVELOPMENT PROGRAM

- Short Term Training Program- Virtual (Dec 9 – Dec 20) entitled on “Cyber Data Analytics” by School of Computer Science, VET Institute of Arts and Science college, Erode.
- Five Days FDP (Sep 13 – Sep 17, 2021) hands on “Fundamentals of AI ” FDP by ICT Academy.

- One Week (Sep14 – Sep19, 2020) hands on “Artificial Intelligence using Python” FDP by Department of Computer Science and Engineering, Kurinji College of Engineering & Technology, Trichy.
- Five Days FDP on “Assessing-Reassessing Skills During Covid Times” on 4th August – 8th August 2020, Shanti Devi Arya Mahila College, Dinanagar.
- National Level FDP on “Intellectual Property Rights: A Road Map” on 30th July 2020, by PG Department of Computer Science and Applications, Islamiah Women’s Arts and Science College, Vaniyambadi.
- Three Days (July 13 – July 15, 2020) FDP on “Cyber Security and Blockchain Technologies”, by Department of Computer Science and Engineering, Angadi Institute of Technology and Management, Belagavi.
- Six days (July 7 – July 12, 2020) Online FDP on “Data-Virtualization and Cyber Security in Cloud”, by Department of Computer Science, St.Joseph’s College of Engineering, Chennai.
- Five Days (June 22 – June 27, 2020) FDP on “Data Science Specialization with Big Data”, Regex Software.
- Six Days Online FDP on “ CS8392 Object Oriented Programming”, Department of Computer Science, Panimalar Institute of Technology, Chennai.
- Three Days (June 11 – June 13, 2020) Online FDP on “Emerging Trends in Data Analytics & Cyber Security”, PG Department of Computer Science and Applications, Islamiah Women’s Arts and Science College, Vaniyambadi.
- Three Days (June 10 – June 12, 2020) Online FDP on “Devops and Cyber Security” by Department of Computer Science and Engineering, St.Joseph’s College of Engineering, Chennai.
- Seven Days (May 11 – May 17, 2020) Online FDP on “Scope of Artificial Intelligence and Machine Learning in Automation” by Department of Information Technology, Velalar College of Engineering and Technology, Chennai.
- Faculty Development Programme on “Big Data Analytics in Bioinformatics” by Department of Computer Science, Feb 8, PSGR Krishnammal College for Women, Coimbatore
- NPTEL-AICTE- FDP in Internet of things July-Oct 2019.
- NPTEL-AICTE- FDP in Data Base Management System Feb-Apr-2019

CONFERENCE ORGANIZED

- Committee Member in National Conference on “Emerging Technologies – Robotics and IoT” (NCET’20) ISBN: 978-93-5406-275-9 on 28th February, 2020.
- Committee Member in National Conference on “Recent Trends and Advances in the Field of Information and Technology” (NCIT’19) ,Karpagam Academy of Higher Education, on 27th September, 2019 .
- Committee Member in National Conference on “Recent Trends and Advances in the Field of Information and Technology” (NCIT’18) ,Karpagam Academy of Higher Education, on September, 2018 .

VALUE ADDED COURSE

- Artificial Intelligence course conducting from February 2020 to March 2020

PERSONAL PROFILE

Husband Name : Mr.B. Ganesh Murugan
 D.O.B : 11.05.1982

Marital Status : Married
Children : two sons
Languages known :English,Tamil

HOBBIES

Surfing net
Reading books
Hearing Music

DECLARATION

I hereby confirm that the information furnished above is true to the best of my knowledge and belief.

Date:

Place: Madathukulam

Yours Truly,

Dr. J.RAJESWARI