

Dr. JENIFER JOTHI MARY A



Name : Dr. Jenifer Jothi Mary A
Present Address : 3F, Arockiam Street, Nochimedu,
Manjampatti, Manaparai -621 307.
Telephone No : 9940868638
Email : ajenifer.jothi@gmail.com

Academic Details

Course	Institution and University	Year of Passing
Ph. D. Computer Science	St. Joseph's College (Autonomous), Bharathidasan University, Tiruchirappalli – 620 002.	2019
State Eligibility Test (SET)	Mother Teresa Women's University, Kodaikanal.	2017
M. Phil. Computer Science	St. Joseph's College (Autonomous), Bharathidasan University, Tiruchirappalli – 620 002.	2013
B. Ed Computer Science	Holy Cross College of Education(Autonomous), Tamilnadu Teacher Education University, Tiruchirappalli – 620 002.	2012
M. Sc. Computer Science	St. Joseph's College (Autonomous), Bharathidasan University, Tiruchirappalli – 620 002.	2011
B. Sc. Computer Science	Holy Cross College (Autonomous), Bharathidasan University, Tiruchirappalli – 620 002.	2009

Teaching Experiences

- Working as an Assistant Professor in Computer Science, St. Joseph's College (Autonomous), Tiruchirappalli, since June 2013 to till date.

Research Experiences

- 1. Research Papers** : Papers Published : 20
Presented/ Published : (Scopus – 5, UGC Care List - 3)
- 2. Specialization** : Big Data and Sentiment Analysis

Patent Registered

1. Dr. Gupta Neetesh Kumar, Dr R Shantha Mary Joshitta, **Dr A Jenifer Jothi Mary**, Dr. Pradeep Gangurde, Dr. Kailas Aute, Mr. Deepalkumar Shah, Dr Priyanka Bhatewara Jain, Dr. Stuti Bhujade, Dr. Rakesh Kumar Bhujade, “**Wearable device for detection of omicron symptoms based on biomedical and proximity sensor and artificial intelligence**”, Germany Utility Patent Application of the invention, Patent Application No. 20 2022 101 331.4, Publication Date : 15/05/2022
2. Dr. K. Venkatesh, Dr. B. Dwarakanath, D R . R. Shantha Mary Joshitta, **Dr. A. Jenifer Jothi Mary**, Mrs. B. Jasmine, Ajith K A Nair, Dr. R. Kavitha, Nitin Ashok Dawande, Vishnu Prasad A R, Dr. Munish Jindal And Dr. M. R. Arun, “**Artificial Intelligence Based Data Traffic Analysis In Iot Wireless Sensor Network Nodes**”, Indian Patent, , Application No.202241051223 A, Publication Date : 16/09/2022

Research projects

- Completed **UGC- SERO Minor Research Project** on “Big Data Analytics for Aspect Based Sentiment Analysis of Students’ Opinion in Digitalized Higher Education”.

Books Published

- Written a Chapter in “Computer Literacy [For CS] ”, a prescribed text book for UG courses, St. Joseph’s College (Autonomous), Tiruchirappalli.
- Written a Chapter in “Research in a Nutshell”, published by IFCOT, 2016.

Papers Published in International Journals

1. A Jenifer Jothi Mary, Ch. Padmaja, B. Fathima Josepin Prasanna, B. Jasmine, and S. Vijayprasath, **“Efficiency of online classes in Tamil Nādu during Covid-19 lockdown: A statistical analysis”**, AIP Conference Proceedings, Volume 2418, Issue 1, 2022. DoI: 10.1063/5.0081860. **Scopus Indexed.**
2. Shantha Mary Joshitta R, K. Mahender, Jenifer Jothi Mary A, and A.Prasanth, **“Security Analysis of Hybrid One Time Password Generation Algorithm for IoT Data”**, AIP Conference Proceedings, Manuscript ID #: AIPCP21-AR-ICRSET2021-00104, December, 2021, **Scopus Indexed.**
3. Jenifer Jothi Mary A, Jasmine B and Fathima Josephine prasanna B, **“An Analysis of The Status of The Women’s Career After Marriage Using Big Data Analytics”**, Our Heritage Journal, Volume 68, Issue 1, 2020, pp. 8672-8682. **(UGC Care Listed, IF: 4.912)**
4. Jenifer Jothi Mary A and Shantha Mary Joshitta, **“Aspect Based Sentiment Analysis of Students’ Opinion Using Big Data Analytics”**, Our Heritage Journal, Volume 68, Issue 1, 2020, pp. 8683 – 8693. **(UGC Care Listed, IF: 4.912)**
5. D Amala and A Jenifer Jothi Mary A, **“A Survey on Data Analytics in Higher Education”**, International Journal of Scientific Research in Computer Science Applications and Management Studies (IJSRCSAMS), Volume 8, Issue 1, 2019, pp. 1– 4. ISSN 2319 – 1953.
6. A. Jenifer Jothi Mary and Dr. L. Arockiam, **“FDSS: Fuzzy Based Decision Support System for Aspect Based Sentiment Analysis in Big Data”**, Communications in Computer and Information Science book series (CCIS), Volume 906, 2018. pp.77-87, e-ISSN:978-981-13-1813-9. **Scopus Indexed.**
7. Jenifer Jothi Mary A and Dr. L. Arockiam, **“A Framework for Aspect Based Sentiment Analysis Using Fuzzy Logic”**, ICTACT JOURNAL ON SOFT COMPUTING, Volume 08, Issue 02, 2018, pp. 1611 – 1615. ISSN: 2229-6956. **(UGC Care Listed, IF: 0.787)**

8. A. Jenifer Jothi Mary and Dr. L. Arockiam, “**Knowledge Based Imputation Technique for Non Opinionated Sentences in Sentiment Analysis**”, International Journal of Current Advanced Research, Volume 07, No. 03, 2018, pp. 10949-109. ISSN: 2319-6475. **(IF- 5.995)**
9. A. Jenifer Jothi Mary and Dr. L. Arockiam, “**Jen-Ton: A framework to enhance the accuracy of aspect level sentiment analysis in big data**”, **IEEE Xplore**, pp. 452-457, 2017. ISBN: 978-1-5386-4031-9. DOI: 10.1109/ICICI.2017.8365391. **Scopus Indexed.**
10. A. Jenifer Jothi Mary and Dr. L. Arockiam, “**ASFuL: Aspect based Sentiment Summarization using Fuzzy Logic**”, International Conference on Algorithms, Methodology, Models and Applications in Emerging Technologies (ICAMMAET), 2017, pp. 1 – 5. **Scopus Indexed.**
11. A. Jenifer Jothi Mary and L. Arockiam, “**A Methodology to Enhance the Accuracy of Aspect Level Sentiment Analysis using Imputation of Missing Sentiment**”, International Journal of Recent Scientific Research (IJRSFP), Volume 08, No. 07, 2017, pp. 18143-18147. ISSN: 0976-3031. **(IF- 6.86)**
12. K. Rajarajeshwari, A. Jenifer Jothi Mary and Dr. L. Arockiam, “**Survey on Aspect Level Opinion Targets and Opinion Words from Online Reviews**”, International Journal of Information Technology and Mechanical Engineering (IJITME), Volume 2, No. 8, August 2016. ISSN: 2349-2865. **(IF- 0.791)**
13. I. Priya Stella Mary, A. Jenifer Jothi Mary and Dr. L. Arockiam, “**A newfangled IoT big data parallel preprocessing framework to facilitate quality IoT big data analytics**”, International Journal of Engineering Research & Technology (IJERT), Volume 4, No. 29, Special Issue - 2016. e-ISSN: 2278-018.
14. A. Jenifer Jothi Mary and L. Arockiam, “**A Framework for Aspect level Sentiment Analysis of Academic Results Data**”, International Journal of Recent Trends in Engineering & Research (IJRTER), Volume 02, Issue 07; July – 2016. ISSN: 2455-1457. **(IF- 3.344)**

15. A. Jenifer Jothi Mary, S. Santiago and Dr. L. Arockiam, “**A Methodological Framework to Identify the Students’ Opinion using Aspect based Sentiment Analysis**”, International Journal of Engineering Research & Technology (IJERT), Volume 5, No. 02 , February 2016. e-ISSN: 2278-018. (IF- 1.76)
16. Jenifer Jothi Mary and Dr. L. Arockiam, “**A Study on Basic Concepts of Big Data**”, International Journal of Emerging Trends in Computing and Communication Technology (IJETCCT), Volume 1, No 3, August 2015. e-ISSN: 2348 4454.

Papers Presented in International Conferences

1. Shantha Mary Joshitta R, Jenifer Jothi Mary A and Arockiam L, “**Security Analysis of AroSheb_Jo, A Hybrid One Time Password Generation Algorithm for IoT Data**”, Proc. Of the International Virtual Conference On Emerging Trends In Computing (IVCET 2020), Bishop Heber College (Autonomous), Trichy, 14th December 2020
2. A. Jenifer Jothi Mary and Dr. L. Arockiam, “**FDSS: Fuzzy Based Decision Support System for Aspect Based Sentiment Analysis in Big Data**”, Second International Conference on Advances in Computing and Data Sciences (ICACDS), Dehradun, India, April 20-21, 2018.
3. A. Jenifer Jothi Mary and Dr. L. Arockiam, “**Jen-Ton: A framework to enhance the accuracy of aspect level sentiment analysis in big data**”, International Conference on Inventive Computing and Informatics (ICICI), Coimbatore, 23-24 November 2017.
4. A. Jenifer Jothi Mary and Dr. L. Arockiam, “**ASFuL: Aspect based Sentiment Summarization using Fuzzy Logic**”, International Conference on Algorithms, Methodology, Models and Applications in Emerging Technologies (ICAMMAET-2017), Bharath Institute of Higher Education and Research, 16 -18 February 2017.
5. A. Jenifer Jothi Mary and Dr. L. Arockiam, “**IMS: Imputation of Missing Sentiment in the Aspect Based Sentiment Analysis**”, International Conference on IoT, Data Science and Security (ICIDS-2017), PSG College of

Technology, Department of Information Technology, 6th & 7th January 2017.

6. I. Priya Stella Mary, A. Jenifer Jothi Mary and Dr. L. Arockiam, “**A newfangled IoT big data parallel preprocessing framework to facilitate quality IoT big data analytics**”, International Conference on Internet of Things, A.P.S. College of Engineering, Department of Computer Science & Engineering, August 2016.

Papers Presented in National Conferences

1. Ayesha S, A. Jenifer Jothi Mary and Dr. L. Arockiam, “**A Framework on Traffic Management Control System using Big Data**”, Fifth National Conference on Intelligent computing(FNCIC), 16 & 17th September 2016.
2. A. Jenifer Jothi Mary and Dr. L. Arockiam, “**Issues and Challenges in Sentiment Analysis : A Survey**”, Misbah Niche of Knowledge, Volume 15, 2015, pp.55-62. ISSN. 0976-2523.

Conferences / Workshops / Seminars / Orientation Programs Attended (Offline and Online)

1. Three day National Level Online FDP on “**ICT tools for E-content making**”, St. Joseph`s College of Arts and Science, Cuddalore from 26th July 2021 to 28th July 2021.
2. Online Seminar on “**Research Tools and Technology**”, Don Bosco College (Co-Ed) & Yelagiri Hills ACM Professional Chapter, Yelagiri Hills, Tirupattur on 12th May 2021.
3. Online FDP on “**Developing Teachers` overall personality**”, Prerna College of commerce, Nagpur from 11th May 2020 to 20th May 2020.
4. Online course on “**Quantitative Aptitude**”, Jamal Mohamed College, Trichy on 3rd May 2020.
5. International Webinar on “**FDP on develop the ability to write research proposal**”, Adarsh AIMIT, Bengaluru on 24th April 2020.
6. Webinar on “**Recent Trends In Data & Analytics**” by Rathinam college, Coimbatore 18th April 2020.

7. Online Workshop on “**Basics of research, writing research papers, academic research report writing, tools for research**” by Sankara college of science and commerce, Coimbatore between 9 and 10 April 2020.
8. Workshop on “**Enlivening the art of Patenting- A Junior level workshop on Intellectual Property Rights**” by Department of Social work, Holy Cross college, Trichy on 5th March 2020.
9. International seminar on on “**Research concepts in Big data analytics and internet of things**” by Bharathidasan University, Tiruchirappalli on - 20th March 2018.
10. International Conference on **WCCCT 2016**(2nd World Congress Computing and Communication Technology) organized by Department of Computer Science & IT, St. Joseph’s College (Autonomous), Tiruchirappalli during 2nd – 4th February 2017.
11. Pre-conference workshop on “**Data Science and Analytics**” conducted by Department of Information Technology, PSG College of Technology, Coimbatore on 5th January 2017.
12. National Seminar on “**Effective eLearning with Cloud-based Services and LMS**” conducted by Department of Information Technology, St. Joseph’s College (Autonomous), Tiruchirappalli on 15th and 16th December 2016.
13. DST Sponsored National workshop on “**Data Science Research**” organized by School of Computer Science and Engineering, VIT, Chennai, on 30th November – 2nd December 2016.
14. DST Sponsored Three days workshop on “**Data Science Research**” organized by Department of Computer Applications, National Institute of Technology (NIT), Tiruchirappalli on 3rd – 5th November 2016.
15. One day “**Faculty orientation programme on Value Education**” organized by Department of Foundation Courses, St. Joseph’s College (Autonomous) (Autonomous), Tiruchirappalli on 17th August 2016.
16. One day State Level workshop on “**Data Analytics through SAS**” organized by Department of Statistics, St. Joseph’s College (Autonomous)

- (Autonomous), Tiruchirappalli on 4th August 2016.
17. DST and Big Data Initiatives Division Sponsored by **“Ten Days Training Programme on Big Data Analytics”** organized by Department of Computer Applications, Bharathiar University, Coimbatore on 4th -15th July 2016.
 18. UGC Sponsored Two Day National Seminar on **“Emerging Trends in ICT-Enabled Teaching Learning Process”** organized by Department of Computer Science, Pavanatma College, Murickassery, Idukki, Kerala on 11th & 12th February 2016.
 19. Rev. Dr. S. Lazar SJ Endowment Seminar on **“Digital Visibility of the Productivity: Institutions and Individuals”** organized by Department of Library, St. Joseph’s College (Autonomous) (Autonomous), Tiruchirappalli on 30th January 2016.
 20. Two Day National Level Workshop on **“Big Data Analytics and Business Intelligence”** organized by Department of Computer Science, St. Joseph’s College (Autonomous) (Autonomous), Tiruchirappalli on 4th & 5th January 2016.
 21. Two Day National Level Faculty Development Programme on **“Cloud Computing & Big Data Analytics”** organized by Department of Computer Applications, Bishop Heber College, Tiruchirappalli on 23rd and 24th November 2015.
 22. UGC Sponsored National Seminar on **“Cloud Computing”** organized by Department of Computer Science, MES College, Nedumkandam, Idukki, Kerala on 15th – 17th September 2015.
 23. One Day National Workshop on **“How to Write Effective Research Papers for Conferences and Journals”** organized by School of Science and Humanities, Kongu Engineering College, Perundurai, Erode on 12th September 2015.
 24. National Level Workshop on **“Big Data Analytics: Tools and Techniques”** organized by Department of Computer Science & Engineering, National Institute of Technology (NIT), Tiruchirappalli, Tamilnadu on 8th - 12th June 2015.

25. One Day National Seminar on “**Big Data Analytics**” organized by School of Computer Science, Engineering & Applications, Bharathidasan University, Khajamalai Campus, Tiruchirappalli on 25th January 2015.
26. Regional Workshop on “**Statistical Packages**” organized by Department of Statistics, St. Joseph’s College (Autonomous) (Autonomous), Tiruchirappalli on 7th & 8th March 2014.
27. International Conference on **WCCCT 2014**(World Congress Computing and Communication Technology) organized by Department of Computer Science and Information Technology, St. Joseph’s College (Autonomous) (Autonomous), Tiruchirappalli on 27th February – 1st March 2014.
28. Two Day Workshop on “**Application Development using Middleware Technologies**” organized by Department of Computer Applications, Anna University, Tiruchirappalli on 10th & 11th October 2013.
29. Two Day Technical Workshop on “**Exploring the world of Networking**”, Dhanalakshmi Srinivasan Engineering College, Perampalur, TamilNadu on 30th & 31st July 2013.
30. One Day Workshop on “**Smart Devices Programming using Android**” organized by Department of Computer Science, St. Joseph’s College (Autonomous) (Autonomous), Tiruchirappalli on 9th January 2013.

Invited Lecture delivered

1. Delivered a lecture on “**PLSQL**” at St. Joseph’s College, Kerala on 01-11-2021.
2. Acted as a resource person in One day Workshop on “**Advanced Big Data Analytics using R**” at Cauvery College for Women (Autonomous), Tiruchirappalli on 25-01- 2018.
3. Acted as a resource person in One day Workshop on “**Big Data and IoT data management**” at Jayaraj Annapackiam Collge for Women, Periyakulam, Theni on 10-10- 2017
4. Delivered a lecture on “**Big Data Analytics**” at IZITA 1.0 IEEE Flagship event-Kalady, Kerala on 12-08-2017.
5. Delivered a talk in Researchers Meet on “**Plagiarism Tools**” to Ph.D

scholars at St. Josephs' college, Tiruchirappalli on 09-08-2017.

6. Acted as a resource person in Two day State Level Workshop on “**Data Analytics using R**” at St. Joseph’s Institute of Management, St. Joseph’s College (Autonomous), Tiruchirappalli on 20th and 21th September 2016.
7. Acted as a resource person in short course on “**Relational Database Management Systems**” at St. Joseph’s Institute of Management, St. Joseph’s College (Autonomous), Tiruchirappalli on 11th and 12th August 2016.
8. Delivered a talk on “**Independence Day**” in Holy Cross College of Education, Tiruchirappalli, 2013.

Other information

1. Reviewer for **JAC Journal of Science Humanities and Management** from 2021-2024.
2. Recognized as a **M. Phil. Research advisor** in Bharathidasan University.
3. Appointed as External Examiner for Bharathidasan University semester Practicals at Adhavan college of Arts and Science and
4. **Advisory committee Member** for National conference on Internet of Things at Jayaraj Annapackiam Collge for Women, Periyakulam, Theni.
5. Got **Best Researcher award** in Shift -2 during the year 2017-2018.
6. Received **College management cash award** for Minor Research Project.
7. Scored 1st Rank in “**Psychology**” and “**Computer Science-II**” conducted by Tamil Nadu Teacher’s Education University, Chennai.
8. Presented a paper in State Level Seminar on “**Towards better Lesson Plan with Special Reference to Samacheerkalvi**”.
9. Acted as College **Sports Secretary** in Holy Cross College of Education, Tiruchirappalli.
10. **Rank Holder** in M.Sc (CS) in St. Joseph’s College (Autonomous), Tiruchirappalli.
11. Finished JUNIOR Typewriting with distinction.
12. Won prizes in State level KHO-KHO and participated in many

competitions at School and in INTRA College Competitions.

13. Participated in NSS at School Level.

**Additional charges held at St. Joseph's College (Autonomous),
Tiruchirappalli:**

1. Department of Computer Science Association president during 2019-2020.
2. One of the Members in Girls Judges Committee in Annual Sports Day.
3. Member of the organizing committee of World Congress on Computing and Communication Technologies (WCCCT 2014).
4. One of the in-charges of Dance event in Fine arts Team.

Personal Details

Name	:	A. Jenifer Jothi Mary
Gender	:	Female
DOB	:	03.02.1987
Marital Status	:	Married
Father's Name	:	Y. Arockia Samy
Nationality	:	Indian
Language Competences	:	Tamil & English
Permanent Address	:	W/o. S. Aruldoss 3F, Arockiam Street, Nochimedu, Manjampatti (PO) Manaparai (TK), Tiruchirappalli – 621 307.

I hereby declare that the details furnished above are true to the best of my knowledge.

Faithfully,

(A. Jenifer Jothi Mary)