

Dr. V A JANE, MCA., MBA., M.Phil., Ph.D.,

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Education

- **B.Sc.** - Computer Science (2011-2014), St. Joseph's College (Autonomous), Trichy, **74%**
- **M.C.A.** - Computer Application (2014-2016), St. Joseph's College (Autonomous), Trichy, **82%**
- **M.Phil.** - Computer Science (2017-2018), St. Joseph's College (Autonomous), Trichy, **80%**
- **M.B.A.** - Human Resource Management (2018-2020), St. Joseph's College (Autonomous), **65%**
- **Ph. D.** - Computer Science, St. Joseph's College (Autonomous), Trichy.

Skills

Core skills : HTML, CSS, XML, SQL

Programming languages : Java, Python, PHP

Tools : Python IDE, Anaconda, Eclipse, Arduino, Adobe
Photoshop, WEKA, RapidMiner

Areas of Interest : Big Data, Internet of Things, Data Mining, Data Analytics,
Cloud Computing, Machine Learning, Deep Learning
& Image Processing

Achievements

- Won prizes in various cultural activities at school and college levels.
- Received two Certificates of Merit during UG.

Working Experience

- Worked as an Assistant Professor in “**Bishop Heber College, Trichy**” during the year 2022-2023.
- Worked as an Assistant Professor in “**St. Joseph's College, Trichy**” during the year 2023 June to till date.

Research Experience

Ph.D. Status (2019 – 2022)

Thesis Title: “**Data Preprocessing Techniques for IoT Based Irrigation System**”

M.Phil.:(2017 - 2018)

Dissertation Title: “**A Novel IoT Based Architecture for Banana Leaf Disease Prediction Using Data Mining Techniques**”

Worked in a UGC Funded Project (2017-2019)

“**Developing Predictive Models to Forecast and Pre - Treat Diabetes Mellitus in Tamil Nadu using Clinical Big Data**”

Broad Area of Research : IoT Data Analytics

Specialization : Big Data, Internet of Things, Data Analytics

Patents:

1. Granted Patent UK6420123 for Mental Health Monitoring Device

Book Chapters Published

1. Published a chapter titled “**Machine Learning Fundamentals: Theory, Algorithms, and Real-World Applications**” (ISBN: 978-8197213854).

Papers Publications

1. **V. A. Jane** and A. Stephen, “**Opportunities and Challenges in Cloud Computing**”, Global Talent management in the digital era, Proceedings, September 2017.
2. **V. A. Jane**, B.J. Hubert Shanthan, L. Arockiam, “**A Survey of Algorithms for Scheduling in the Cloud: In a metric Perspective**”, International Journal of Computer Sciences and Engineering, Volume-6, Special Issue-2, E-ISSN: 2347-2693, March 2018.
3. M. Swathy, **V. A. Jane**, Prof. D. S. Ravi, “**An Architecture for Detecting the Camera and Jamming the Frequency Using Artificial Neural Network**”, 2018.
4. Dr. L. Arockiam, S. Sathyapriya, **V. A. Jane**, A. Dalvin Vinoth Kumar, “**Prevalence of Type - II Diabetics Association with PM 2.5 and PM 10 in Central Region of Tamil Nadu, India**”, International Journal of Recent Technology and Engineering, vol.8, No. 2, pp. 6440-6444, ISSN: 2277-3878. (Scopus Indexed).
5. Dr. L. Arockiam, S. Sathyapriya, **V. A. Jane**, A. Dalvin Vinoth Kumar, “**Prevalence of Diabetes Mellitus in Tiruchirappalli District using Machine Learning**”, IJRTE Blue Eyes Intelligence

Engineering & Sciences Publication, vol.8, No. 2, pp. 6400-6403, ISSN: 2277-3878, (**Scopus Indexed**).

6. **V. A. Jane**, S. Sathyapriya, L. Arockiam, “**IoT Based Architecture for Agricultural Farm Monitoring**”, ReTeLL, Vol. 20, December 2018.
7. **V. A. Jane**, and L. Arockiam, "**DaRoN: A Technique for Detection and Removal of Noise in IoT Data by using Central Tendency**", *Annals of the Romanian Society for Cell Biology* 2021, pp. 3197-3203.
8. **V. A. Jane**, and L. Arockiam. “**Survey on IoT Data Preprocessing**”, Turkish Journal of Computer and Mathematics Education (TURCOMAT), Vol. 12, No. 9, 2021, pp 238-244.
9. **V. A. Jane**, Dr. L. Arockiam, “**IoT Data Preprocessing - A Survey**”, *Webology* (ISSN: 1735-188X) Volume 18, Number 6, 2021.
10. **V. A. Jane**, Dr. L. Arockiam, “**CID: Central Tendency Based Noise Removal Technique for IoT Data**”, *Webology*, (ISSN: 1735-188X), Volume 18, Number 6, 2021.
11. V. Manjula, K. Ramanathan, **Dr. V. A. Jane**, “**Prediction of The Diabetics Using the Deep Learning Based Artificial Memory Vector Network**”, 978-1-6654-5635-7/22/\$31.00©2022 IEEE.
12. Dr. J. Antony John Prabu, **Dr. V. A. Jane**, “**D1FTBC FRAMEWORK FOR CLOUD DATA TRANSACTIONS**”, *International Journal of Applied Engineering & Technology*, ISSN: 2633-482, Vol. 5 No.4, December, 2023.
13. S. Sathyapriya, Arul Anitha² and **V. A. Jane**^{3*} “**Prediction of Heart Disease using AI-Enhanced Naive Ensemble Decision Classifier**”, *International Journal of Business and Economics Research (IJBER)*, 2025, pp. 374-386, e-ISSN: 2455-3921, 2025.

Acted as Resource Person

1. Handled a **14-hour teaching methodology programme on computer practical**, conducted in eight phases from **January 2014 to March 2015**.
2. Conducted a workshop on “**Life Coping Skills**” held at **Manpower Group DDU-GKY Skills Academy, Chennai on 17.06.2018**.
3. Delivered a lecture on “**Cloud Computing**” held at **Dhanalakshmi Srinivasan College of Arts Science for Women, Perambalur 2018**.
4. National level seminar on “**Cloud Computing**” held in **Paavai Engineering College, Pachal, Namakkal on 24.01.2019**.
5. Delivered a lecture on “**Emotional Intelligence**” in the one- d a y Orientation Programme on Life Coping Skills at **St. Anne’s College of Engineering and Technology, Anguchettipalayam,**

Panruti on 15th July, 2019.

6. Delivered a lecture on **“Latest Technologies”** in DBT Sponsored Value Added Course on **“Recent Technologies for Innovation”**, at **St. Joseph’s College (Autonomous), Trichy – 2 on December 2019.**
7. Delivered a lecture on **“Big Data Projects”** held at **Dhanalakshmi Srinivasan College of Arts Science for Women, Perambalur 2019.**
8. Delivered a lecture on **“Big Data”**, to **PG students of Computer Science at Holy Cross College, Trichy on 8th January 2021.**
9. Delivered a lecture on **“IoT Data Analytics and its Tools”** to **PG students of Data Science at St. Joseph’s College, Trichy on 30th March 2021.**
10. Delivered a lecture on **“Overview of Python”** to **PG students of Data Science at Holy Cross College, Trichy on 19th September 2022.**
11. Conducted a workshop on **“IoT based Smart Applications”** to **UG students of Information Technology at National College, Trichy on 16th & 17th Feb 2023.**
12. Delivered a lecture on **“All in One Solutions”** to **BCA students of Jayaraj Annapackiam College for Women (Autonomous) Periyakulam- Theni (DT)- 625601, on 31st Jul 2023.**
13. Handled **Bridge Course** classes for **first-year undergraduate students from July to August 2023**
14. Delivered a lecture on **“All in One Solutions”** to **UG & PG students of Holy Cross College (Autonomous), Tiruchirappalli -620002, Trichy on 23rd Sep 2023.**
15. Acted as a Resource person in the one-day workshop on **IoT Fusion Exploring Mobile sensors, Big Data Analytics and Cloud Connectivity** at **Dhanalakshmi Srinivasan College, Trichy on 27th, June, 2024.**
16. Delivered a session on **“AI tools in education”** to the **government school teachers of Trichy on 17th and 18th October 2024.**

Paper Presented

1. Presented a paper on **“A Survey of Algorithms for Scheduling in the Cloud: In A Metric Basis”** at the **Two-Day National Transforming Technology Conference** on **24th and 25th January 2018**, held at **Srimad Andavan Arts and Science College (Autonomous), Trichy.**
2. Presented a paper on **“Internet of Things Routing Protocol for Smart Navigation”** at the **National Conference on Statistical Opportunities and Challenges in Multidisciplinary Research (STAT @ SJC-2018)** on **14th December 2018** at **College (Autonomous), Tiruchirappalli -620002.**

Additional Courses Completed

1. Completed **“MS Office”** at **Udhyam Computer Centre** with an **‘A’ grade on 21st May 2008**, with

a duration of one and a half months.

2. Completed **“Photoshop 7.0”** at **Udhyam Computer Centre** with an **‘A’** grade on **26th May 2009**, with a duration of one month.
3. Completed **“Tally”** at **Udhyam Computer Centre** with an **‘A’** grade on **24th May 2010**, with a duration of one month.

Workshop/ Conference/ FDP Attended

1. Participated in **“DevFest”** conducted by **GDG NIT Trichy**, on 2014 at **NIT Trichy**.
2. Participated in the one-day International Workshop on **“Cloud Computing and its Practical Demonstration”** Organized by **Department of MCA, Christuraj Institute of Computer Application and Research, Trichy**, on **28th September 2017**.
3. Participated in the International Conference on **“Global Talent Management in the Digital Era”**, on **13th September, 2017** at **Fatima College, Madurai**.
4. Participated in the workshop on **“Exploring the Power of C – An Interview Perspective”**, on **15th September, 2017** at **A.V. C College of Engineering, Mayiladuthurai**.
5. Participated in the workshop on **“Cloud Computing Services”**, on **28th October, 2017** at **Srimad Andavan Arts and Science College, Trichy**.
6. Participated in the National Level Advanced workshop on **“Effective Strategies in Research Project Proposal Writing and Linking Funding Agencies”**, on **23 & 24 October, 2017** at **Loyola College, Chennai**.
7. Participated in the workshop on **“Exclusive through Macros”**, on **20th December, 2017** at **St. Joseph’s College, Trichy**.
8. Participated in the National workshop on **“Internet of Things for Smart Grid”**, on **26th August, 2018** at **Trichy**.
9. Participated in the National workshop on **“How to Write Effective Research Papers for Conferences and Journals & Project Proposals for Funding Agencies”**, on **28th September, 2018** at **Kongu Engineering College, Erode**.
10. Participated in CSIR Sponsored workshop on **“Blockchain and Deep Learning: A Technology for Future Artificial Intelligence”** during **12th & 13th October, 2018** at **Kongunadu College of engineering & Technology, Namakkal**.
11. Participated in the Seminar on **“Research Ethics”**, on **15th October, 2018** at **St. Joseph’s College,**

Trichy.

12. Participated in the National Level hands - on workshop on “**Deep Learning using MATLAB**”, on **30th March, 2019** at **PSG College of Technology in association with MathWorks, Coimbatore.**
13. Participated in the International Hands - on workshop on “**Machine Learning for Engineers**”, from **12-04-2019 to 13-04-2019** at **PSG College of Technology in association with MathWorks, Coimbatore.**
14. Participated in the **AICTE Training and Learning (ATAL) Academy FDP** on “**Data Sciences**” from **16-09-2019 to 20-09-2019** at **Anna University Regional Campus, Coimbatore.**
15. Participated in the seminar on “**Dynamics on Research Quality**” on **15th October, 2019** at **St. Joseph’s College (Autonomous), Tiruchirappalli.**
16. Participated in the International Conference on “**Innovative Intelligent Computing and Applications**”, on **28th August, 2019** at **Idhaya College for Women, Kumbakonam.**
17. Participated in the three days faculty development programme on “**Deep Learning Application - Design, Development and Deployment in IoT Edge**” from **27th and 29th May, 2020**, at **SRM TRP engineering College, Trichy.**
18. Participated in the Faculty Development Program on “**Machine Learning Algorithms**” on **13th May, 2020**, at **Dawaraka Doss Goverdhan Doss Vaishnav College, Arumbakkam, Chennai.**
19. Participated Five Days Online Faculty Programme on “**Python Programming**”, from **18th and 22nd May 2020** at **Sona College of Technology, Salem.**
20. Participated in the webinar “**Development of Deep Learning Architecture** “on **25th May 2020** by **IETE - Mumbai in Association with PANTECH.**
21. Participated in the course of “**R Programme**” on **14th and 16th May, 2020**, at **Sona College of Technology.**
22. Participated in the webinar “**Machine Learning** “by **PG & Research Department of Mathematics, Loyola College, Chennai, during 15-16 June, 2020.**
23. Participated in the webinar “**IoT Applications to Fight Against COVID –19 Pandemic** “by **UG Department of Computer Applications, Bisho Heber College, Trichy on 17th July, 2020.**
24. Participated in the state level webinar “**Recent Trends in Mathematical Modelling**” organized by **PG**

& Research Department of Mathematics, Mannar Thirumalai Naicker College, Madurai on 27th June 2020.

25. Participated in the webinar **“Internet of Things Using Raspberry Pi “on 19th, June 2020 by Institute of Engineering and Technology in Association with PANTECH.**
26. Participated in three days FDP on **“Research Perspective in Futuristic Computing Technologies” from 6th to 9th July, 2020** organized by **Department of Computer Science & Engineering, School of Engineering, Dayananda Sagar University, Bengaluru.**
27. Participated in the one-day webinar on **“Writing A research Grant Proposal” by Faculty of Engineering and Computer Sciences Teerthanker Mahaveer University, on 15th June, 2020.**
28. Participated in the seminar on **“AI in Business” on 11th January, 2021 at St. Joseph’s College, Trichy.**
29. Participated in the seminar on **“Open Educational Resources – Search, Identify, Repurpose and create your OER” on 25th November, 2021 at St. Joseph’s College, Trichy.**
30. Participated in the National Seminar on **“ Big Data & Challenges organized by School of Computer Science, Engineering & Applications, Bharathidasan University, Tiruchirappalli, held on 26th November 2022.**
31. Participated in the Two days national level FDP on **Research Methodology and Research Tools, from 6th to 7th July, 2023 by IoT Academy.**
32. Participated in the Seven Days level FDP on **“Teaching, Learning and Research”, from 19th to 25th June 2023 by IoT Academy.**
33. Participated in the FDP on **“Academic Research Writing” at St. Joseph’s College, Trichy on 22nd July, 2023.**
34. Participated in the Seven days national level FDP on **“Quality Teaching and Learning HEI’S”, from 3rd to 11th August, 2023 by IoT Academy.**
35. Participated in the National Level Online Workshop on **“Chat GPT for Academics” organized by St. Joseph’s College, Trichy on 21st June, 2023.**
36. Participated in the International Workshop on **“Unleashing Innovative Technologies” organized by Holy Cross College (Autonomous)Trichy on 19th & 20th February 2024.**

37. Participated in Three day “**Faculty Induction Programme into Jesuit Education**” organized by **Jesuit Higher Education Commission Jesuit Madurai Province**, on **02 to 05 June 2024**.
38. Participated in the two days FDP on “**Critical and Creative thinking skills**” organized by **Michael Job Memorial College of Education for women, Coimbatore** on **5th & 6th, August, 2024**.
39. Participated in the **Faculty Development Programme on Effective E-Content Development – Four Quadrant Approach**, organized by the **Faculty Development Centre, St. Joseph’s College, Tiruchirappalli**, from **3rd August 2024 to 23rd September 2024**.
40. Participated in the two-days Faculty Recharging Programme on “**Teaching, Learning, and Research**” held at **St. Joseph’s College (Autonomous), Trichy**, on **4th and 5th November 2024**.
41. Participated in the FDP on “**AI Tools for Teaching and Research**” organized by **IoT Academy Coimbatore** on **23rd, January, 2025**.

Service-Oriented Certificates

Certified as a regular blood donor by multiple organizations, including:

- **GH Blood Bank, Trichy**
- **Friends Blood Bank, Trichy**
- **Kaveri Hospital, Trichy**

Actively contributing from 2014 onwards

Personal details

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|-------------------|---|
| Father’s Name | : M. Venice Savariraj |
| Mother’s Name | : A. Francis Xavier Flora |
| Marital Status | : Married |
| Date of Birth | : 28.05.1994 |
| Languages known | : Tamil and English |
| Permanent Address | : 18A, 3 rd Cross, 3 rd Street, Alpha Nagar, Karumandapam Trichy |