

**Name:** D LITTLE FEMILIN JANA

**Designation:** Assistant Professor

**Area of Interest:** Graph theory, Fuzzy logic, Statistics

**About me:**

**Gmail:** [d.littlefemilinjana.maths@psvpec.in](mailto:d.littlefemilinjana.maths@psvpec.in)

**Linked in:** <https://www.linkedin.com/in/little-femilin-8a0b0a194/>

**Facebook link:** <https://www.facebook.com/profile.php?id=100089056594855>

**Research scholar link:** <https://scholar.google.com/citations?user=Vp8X20gAAAAJ&hl=en>

**Professional information:**

**Publication:**

1. Chris Monica, M., **Little Femilin Jana, D.**, “Cyclic Resolving Number of Grid and Augmented Grid graphs”, International Journal of Computing Algorithm (IJCOA), ISSN: 2278 – 2397, Vol. 02, October 2013, pp.310 - 313.
2. Chris Monica, M., **Little Femilin Jana, D.**, “Star Resolving number of honeycomb related architectures”, Journal of Computer and Mathematical Sciences, ISSN: 2319-8133, Volume 8(4), 126-132, April 2017.
3. Chris Monica, M., **Little Femilin Jana, D.**, “Independent resolving number of Fibonacci and extended Fibonacci cubes”, International Journal of Computer Applications, ISSN: 0975 – 8887, Volume 165 – No.7, 46 – 48, May 2017.
4. V Mythili, **D Jana**, S Jayasudha, C Vennila, S Rajarajeswari, “Some properties of line graphs”, AIP Conference Proceedings, Volume 2393, Issue 1, id.020163, 4 pp. May 2022.
5. **D. Little Femilin Jana**, R. Jaya, M. Arokia Ranjithkukar, S. Krishnakumar and R. Senthil Kumar, “Resolving sets and dimension in special graphs, Advances and Applications in Mathematical sciences”, Volume 21, Issue 7, May 2022, Pages 3709–3717, Mili Publications, India
6. **D. Little Femilin Jana**, Lt. T. Gunasekar, Rajeev Gandhi S. and R. Senthil Kumar “Relation between resolving set and domination set in various graphs, Advances and Applications in Mathematical sciences”, Volume 21, Issue 7, May 2022, pages 3795 – 3803, Mili Publications, India.



7. K. Sangeetha, Anitha Sofia Liz, Suganthi P, **D Little Femilin Jana**, “Integrating machine learning algorithm for predicting solar power generation”, ICSERET-2023, E3S Web of Conferences 387, 01004, 2023.
8. Nakul S Sharma, Dhananjay Yadav, Manish Shrivastava, Sanjeev Kumar Mandal, G Ravivarman, **D Little Femilin Jana**, “Examining the Effects of Applying AI to Enhance Big Data Retrieval Efficiency”, IEEE International Conference on Paradigm Shift in Information Technologies with Innovative Applications in Global Scenario (ICPSITIAGS), ISBN:979-8-3503-2977-3, 28-29 December 2023, Page 175-181.
9. **Little Femilin Jana D**; Prema S. Kadam; Neeraj Sharma; Avni Garg; Kalyan Acharjya; Venkadeshwaran K, “Exploration of Contour Coding and Its Application in Digital Image Processing “, 3rd International Conference on Smart Generation Computing, Communication and Networking (SMART GENCON), IEEE, ISBN:979-8-3503-1912-5, 29-31 December 2023.
10. Ali Nofal Abd Ali al-Musawi, Divya Shree V, Ashish Nema, **D Little Femilin Jana**, Ankita Joshi and R. Vimala Devi, “Solar-Driven Wireless Charging: Innovations in Electric Vehicle Energy Systems”, ICPEs 2023, E3S Web of Conferences 540, 020, 2024.
11. Irfan Abdul Karim Shaikh, Kanika Gupta, Anuradha Parasar, **D Little Femilin Jana**, Amit Chauhan, “Effects of Peer Monitoring on Student Stress Level of College Students Based on Multi-Layer Perceptron Approach”, 2nd International Conference on Intelligent Data Communication Technologies and Internet of Things (IDCIoT), IEEE, 2024, Pages 1370-1375.
12. Girija Shankar Sahoo, R Hannah Jessie Rani, Manish Kumar Goyal, Vazeer Ali Mohammed, **D Little Femilin Jana**, Namrata N Wasatkar, “Leveraging Adaptive Algorithms for Real-Time Data Analysis”, 15th International Conference on Computing Communication and Networking Technologies (ICCCNT), IEEE, ISBN:979-8-3503-7027-0, 24-28 June 2024, Page 1-6.
13. HR Manjunath, VS Gaikwad, T Kuppuraj, Takveer Singh, **D Little Femilin Jana**, Amit Kansal, “Efficient Parallel Processing of Stereoscopic Video Streams for Low-Latency Applications”, 15th International Conference on Computing Communication and Networking Technologies (ICCCNT), IEEE, ISBN:979-8-3503-7027-0, 24-28 June 2024, Page 1-5.
14. **Little Femlin Jana D**, Sagaya Suganya A, “A Comprehensive Overview of Mathematical Modeling in Healthcare Analytics”, Proceedings of 2nd International Conference on Recent Trends in Data Science (ICRTDS@24), ISBN: 978-93-341-3499-5, Volume 1, Issue 1, Oct. 2024, Page 54-57.

### **Paper presented:**

1. In “**International Conference on Computational Mathematics – ICCM 13**” held at Loyola College Chennai during October 03-05, 2013. Title: Star Resolving Number in Honeycomb Network.
2. In “**International Conference on Recent Trends in Data Science (ICRTDS@24)**” held at St. Xavier’s College, Palayamkottai during 25 & 26<sup>th</sup> October 2024. Title: A Comprehensive Overview of Mathematical Modeling in Healthcare Analytics.

### **Patents published:**

1. Sound wave rectifier, Application number 202241058481 A, Published Date: 18/11/22.  
D. Little Femilin Jana, Vishwa R, Madhumitha K, Sobhika Kamalavasan, Selvam K.
2. Fuzzy logic based maximum power point tracking for solar grid Tie inverter, Application No.202341000886 A, Published date: 13/1/23.  
V. Mythili, Dr. S. Jayasudha, C. Vennila, S. Rajarajeswari, D. Little Femilin Jana

### **Certifications:**

1. **Innovation Ambassador** – Foundation level & Advanced Level, 2021-22. Moe’s Innovation cell.
2. Professional Development Programme on implementation of NEP 2020 for University and College Teachers’ held from 0917 September, 2022 and obtained 74%, UGC Approved **Short Term Professional Development Program**

### **NPTEL**

1. Multivariable Calculus, Elite, March 2018
2. Graph theory, Elite, March 2019
3. Mathematical methods & its applications, April 2019
4. Laplace Transform, August 2022
5. Patent Drafting for Beginners, Elite, Feb 2023

### **COURSERA**

1. Data science math skills, May 2020
2. Fibonacci numbers & Golden ratio, June 2020
3. Matrix methods, June 2020

## **UDEMY**

1. "The Complete Course of Fuzzy Logic", June 14, 2025

## **Membership:**

1. IAENG, Member No: 221224
2. VIDWAN ID 279182

## **Education details:**

1. M.Phil., Mathematics, 2004, Loyola College, Chennai, Percentage - 87, First class with distinction.
2. M.Sc., Mathematics, 2003, Loyola College, Chennai, Percentage – 92.94, First class with distinction.
3. B.Sc., Mathematics, 2001, SDNB Vaishnav College for Women, Percentage – 69.19, First class.

## **Work Experience:**

1. Worked as lecturer in Chevalier T Thomas Elizabeth College for Women from July 2004 to August 7 2005.
2. Worked as lecturer in Prince Shri Venkateshwara Padmavathy Engineering College from August 17 2005 to May 31 2012.
3. Working as Assistant Professor in Prince Shri Venkateshwara Padmavathy Engineering College from June 1 2012 to till date.

## **Conference/ Workshop/ Seminar/ FDP attended:**

1. **Fr. Racine International Mathematics Congress**, July 23 -25, 2012. PG & Research Department of Mathematics, Loyola College, Chennai, Tamil Nadu, India.
2. **One-Day National Workshop** on Fuzzy Set Theory and its Applications & R P Ranga Endowment Lecture - 9th February 2015 at Loyola College, Chennai.
3. A **One-Day International Seminar** on Higher Mathematics, 12<sup>th</sup> September, 2017. LIMCOS, Loyola College, Chennai, Tamil Nadu, India
4. **International Conference on Computational Sciences ICCS2018** January 8 & 9, 2018 LIMCOS, Loyola College, Chennai, Tamil Nadu, India.
5. **Two-day workshop** on Research paper writing skills, IQAC, PSVPEC, 05.07.2018 & 06.07.2018
6. **FDP** on Effective Teaching Strategies & Methods, PSVPEC, 21.11.2019 & 22.11.2019.

7. **International conference** on artificial intelligence and robotics (ICAR - 2020), AMET University, 05.03.2020.
8. **Six days Faculty Development Programme** on Fuzzy numbers and its applications, Dr. N.G.P. Institute of Technology, 25.05.2020 to 30.05.2020.
9. **One-day online webinar** on “Similarity measures on Fuzzy numbers and its applications” 13<sup>th</sup> June 2020, Dr. N. G. P. Institute of Technology, Coimbatore, Tamil Nadu, India.
10. **National Webinar** on “Theory of Graphs – An emerging field of research, 20<sup>th</sup> June 2020, Thiagarajar College, Madurai, Tamil Nadu, India.
11. **Two-day National Level Online workshop** on “ICT – enabled higher education in India” 13<sup>th</sup> August 2020, Guru Angad Dev Teaching Learning Centre under PMMMNMTT of MHRD.
12. **Webinar series** on “Math for Data Science”, 19<sup>th</sup> & 20<sup>th</sup> September, 2020, Crescent Institute of Technology, Chennai, Tamil Nadu, India.
13. **One-week online FDP** on “Research Methodology in Humanities & Social Sciences” 29 May – 3<sup>rd</sup> June 2021, Lord Institute of Engineering & Technology, Hyderabad, India.
14. **One-week online FDP** on “Role of Mathematics in Latest Engineering Trends” 4 - 10 June 2021, Lord Institute of Engineering & Technology, Hyderabad, India.
15. **Six-day FDP** on “Discrete Mathematics”, 28 June – 3 July, 2021, Ramco Institute of Technology in collaboration with Anna University, Tamil Nadu, India.
16. **Five-day virtual International Faculty Development program** on “Mathematical Programming – 2022”, 20-25 April, 2022, PPG College of Arts & Science, Coimbatore, Tamil Nadu, India.
17. **Two-day National Level Seminar** (Online) on “Effective Implementation of NEP 2020 in the Realm of Engineering Education” on 5<sup>th</sup> & 6<sup>th</sup> August, 2022 organized by IQAC, Vardhaman College of Engineering, Hyderabad in association with NAAC, Bengaluru.
18. **National Webinar** on “Experiential learning as Envisaged in NEP 2020, 19<sup>th</sup> June 2022 Guru Angad Dev Teaching Learning Centre under PMMMNMTT of MHRD.
19. **Impact Lecture Series** on 7th July 2022 which is sponsored by AICTE-MIC, jointly organized by IIC and E-Cell of Murugappa Polytechnic College, Chennai.
20. **Webinar** on “Innovation and Intellectual Property Rights” Organized by IPR Cell & Institution's Innovation Council (IIC), Sacred Heart College (Autonomous), Tirupattur, Tirupattur District, Tamil Nadu, India on 19-07-2022.

21. **Online Workshop** on “Driving Innovation, Research and Consultancy in civil engineering”, 2<sup>nd</sup> August 2022, organized by Prince Shri Venkateshwara Padmavathy Engineering College.
22. **Science Festival** (Vigyan Utsav) as a part of Celebration of 75th Year of Independence (Azadi ka Amrit Mahotsav) under the theme of “Intellectual Property Rights” conducted on 04th August 2022 organized by Tamil Nadu State Council for Science and Technology, Chennai.
23. **IP Awareness/Training program** under National Intellectual Property Mission on August 10,2022 Intellectual Property Office, India.
24. **International Workshop** on “Recent Trends in Modeling & its applications-2022 (IWRMIA 2022)” organized by Department of Mathematics, Post Graduate College, Ghazipur, UP 233001, India during September 04-08, 2022 in virtual mode.
25. Attended the 120 Minutes **International Online Webinar** on "Upcoming Trends in Wearable Electronics and Internet of Things (IoT)" Conducted by NITTTR, Chennai on 15.10.2022.
26. Participated & completed **AICTE Training and Learning (ATAL) Academy Faculty Development Program** on Advanced Materials, Rare-Earth and Critical Minerals at Prince Shri Venkateshwara Padmavathy Engineering College from 05/08/2024 to 10/08/2024.
27. Participated & completed **AICTE Training and Learning (ATAL) Academy Faculty Development Program** on Quantum Connections: Exploring Interdisciplinary Applications and Insights at Prince Shri Venkateshwara Padmavathy Engineering College from 19/08/2024 to 24/08/2024.
28. **5 Days online FDP** on “Advancing Scholarly Excellence: From publications to Innovation in Research” organized by IQAC of Prince Shri Venkateshwara Arts and Science College from 11.11.2024 - 15.11.2024.
29. **International Seminar** on Mathematics – The Gateway to the Emerging Trends of Technology 2024 organized by the Department of Mathematics (Shift I & II). Justice Basheer Ahmed Sayeed College for Women, Chennai - 600 018, on 24.12.2024
30. A **Five-Day National Level Online FDP** on Beyond Boundaries: Driving Innovation in Research” from 26.12.2024 to 30.12.2024 Organized by Committee for Research Ethics, Publication & IPR, Auxilium College (Autonomous), Gandhi Nagar, Vellore in Collaboration with North East Institute of Social Sciences & Research, Dimapur, Nagaland.

31. Participated & completed **AICTE Training and Learning (ATAL) Academy Faculty Development Program** on Emerging trends and technologies in Renewable energy for Sustainable Development at Prince Shri Venkateshwara Padmavathy Engineering College from 10/02/2025 to 15/02/2025.
32. **Three-day Virtual workshop** on Advanced Research Tool on topic “Hands-on workshop on Latex” organized by IQAC and Department of Mathematics of Shri Shankarlal Sundarbai Shasun Jain College for Women, Chennai, from 1.3.25 to 4.3.25.

**Organized:**

1. As **coordinator** in conducting the Intellectual Property Awareness program under National Intellectual Property Mission on September 19,2022 Intellectual Property Office, India.
2. Foundation Course on 3D Printing workshop as **support faculty/** facilitator by Vaayusastra Aerospace Pvt. Ltd happened on 09/01/2023 - 11/01/2023 at Prince Shri Venkateshwara Padmavathy Engineering College, Mambakkam - Medavakkam Main Rd, Ponmar, Chennai, Tamil Nadu 600127.
3. As **coordinator** in conducting the Intellectual Property Awareness program under National Intellectual Property Mission on January 07,2023 Intellectual Property Office, India.
4. As **Faculty Coordinator** for LP 201 – Practicum for Innovative Engineering College, Chennai from February 2023 to May 2024.