Dr. L. SELVAM

Assistant Professor,
Department of Data Science,
Madras Christian College,
Tambaram, Chennai.

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Education:

Ph.D at Periyar University, Selam **(2022)**.

M.Phil at Shanmuga Industries of Arts and Science College, Tiruvannamalai **(2013)**.

MCA at Arul Anandar College, Madurai **(2009)**.

B.Sc Computer Science at Matha College of Arts and Science, Manamadurai **(2005)**.

Title of Ph.D. Thesis

"An Architecture for Plant Disease and Irrigation Monitoring Technique through DCNN-LSTM and WAM-KNN Classification Models Using Edge IOT Devices"

Academic Experience:

- **July, 2024 – till date**: Assistant Professor, Department of Data Science, MCC, Chennai.
- **Sep, 2022 – June, 2024:** Assistant Professor, Department of Computer Applications, FSH, SRMIST, Kattankulathur, Chengalpattu Dt.
- **2009 – Aug, 2022 (13 years):** Assistant Professor, Department of Computer Science, Loyola College, Vettavalam – 606 754, Tiruvannamalai district.

Designations:

- Website Designer and Admin (www.lcv.edu.in) : 2021 – 2022
- Head of Department of Computer Science (i/c)   : 2018 – 2019
- Vice Principal   : 2016 – 2018
- Coordinator of Examinations   : 2012 – 2013
- Head of Department of Computer Science   : 2009 – 2015

Book Published

BOOK NAME	:	ML MODELS ADOPT IOT AND BLOCKCHAIN,
AUTHORS NAME	:	Dr. D. ARUL PON DANIEL, **Dr. L. SELVAM,** Dr. B. VASUMATHI, Mr. MAULIK SHAH.
ISBN	:	978-93-5757-490-7

Papers Published

1. **L. Selvam,** S. Roseline Mary, A. Manimuthu and M. Pandian, **"DCNN and LSTM based Plant Leaf Disease Detection Model for Edge IoT Device"** 2024 IEEE International Conference on Computing, Power and Communication Technologies (IC2PCT), Greater Noida, India, doi:10.1109/IC2PCT60090.2024.10486248. (Scopus)

2. Manimuthu, A., Peterjose, **Selvam, L.**, Manikandan, P., Mathivilasini, S., Sridevi, D. **Cloud Based "Energy Aware" Routing Protocol for Predetection and Its Prevention of Fault Tolerance,** Cyber Technologies and Emerging Sciences. Lecture Notes in Networks and Systems, vol 467, 2022 Springer, Singapore. https://doi.org/10.1007/978-981-19-2538-2_8. (Scopus)

3. S Roseline Mary and **L Selvam**, "**Split Liar Domination on Intuitionistic Fuzzy Graphs**", Journal of Algebraic Statistics, **2022** Vol.13 No. 2 pages:1348 – 1353**.**

4. S. Roseline Mary and **L. Selvam**, **A CHARACTERIZATION OF LIAR DOMINATION ON INTUITIONISTIC FUZZY GRAPHS,** JOURNAL OF EDUCATION: RABINDRA BHARATI UNIVERSITY (UGC CARE Journal)**,** Volume XXIV, No:1(XIX), **2022**, p. 189 – 193, ISSN 0972 – 7175.

5. S. Roseline Mary and **L. Selvam**, **CONNECTED LIAR DOMINATION ON INTUITIONISTIC FUZZY GRAPHS**, Shodha Prabha (UGC CARE Journal), Vol. 47, Issue. 01, No.12: **2022**, ISSN: 0974-8946.

6. **Selvam, L.,** and P. Kavitha. **"Classification of ladies finger plant leaf using deep learning."** Journal of Ambient Intelligence and Humanized Computing (ISSN 1868-5137), Springer, (2020): 1-9. https://doi.org/10.1007/s12652-020-02671-y **(SCEI)**.

7. **Selvam, L.,** and P. Kavitha. **"Plant Disease Classification on IoT Edge Devices: Based on modified MobileNetV1 with Transfer Learning Technique."** Solid State Technology 63.4 (2020): 8049-8059.

8. **Selvam, L** and P. Kavitha. **"Automated Irrigation System Based on LoRa and ML for Marginal Farmers."** International Journal of Sensors Wireless Communications and Control, Volume 10, Issue 3 (2020): 345-353. https://doi.org/10.2174/2210327909666190409123331 **(SCOPUS)**.

9. **Selvam, L** and P. Kavitha., **"Smart Agriculture Monitoring System Based On Internet of Things (IOT)"**, Journal of Advanced Research in Dynamical and Control Systems, 6-Special Issue 1416-1426, 2017.

10. P. Kavitha & **L. Selvam**, **"Internet of Things: Focused Areas to Build IoT Based Smart Villages in India"**, International Journal of Computational Research and Development, Special Issue, January, Page Number 69-71, 2017.

Papers Presented

1. Presented paper on **"5th 2024 IEEE International Conference on Computing, Power and Communication Technologies (IC2PCT)"** on 09.02.2024 organized by **Galgotias University in Greater Noida, India-203201.**

2. Presented a paper titled **"Modernity and Ecological Solidarity"** on National Seminar on Solidarity on 8th April, 2022 organized by **Satya Nilayam Institute of Philosophy and Culture, Thiruvanmiyoor, Chennai.**

3. Presented a paper on **"International Virtual Conference on Emerging Trends in Computing Science (IVCET-2020)"** on 14.12.2020 organized by PG Department of Computer Science, Bishop Heber College (Autonomous), Trichy.

4. Presented a paper on UGC International Conference on **Smart Approaches in Computer Science Research Arena** On 5th January 2017 Organized By Department of Computer Science, Sri Sarada College for Women (Autonomous), Salem, Tamilnadu, January 2017, Page Number 69-71.

5. Presented a Paper on **"A Study On Different Applications of Mathematics in Computer Network and Network Security"** on **INTERNATIONAL CONFERENCE ON MATHEMATICAL METHODS AND COMPUTATION (ICOMAC 2015),** 22nd & 23rd January 2015 at JAMAL MOHAMED COLLEGE (Autonomous), Tiruchirappalli-620020, Tamil Nadu, India.

Seminars and Workshops as Resource Person / Organized:

1. Acted as **Resource Person** in a **Hands-on WORKSHOP** on **"AI for Technical Teaching"** on **29 March, 2025** organized by the **Loyola Technical Institute, Madurai.**

2. Acted as **Resource Person** in **Three Days Hands-on WORKSHOP** on **"Effective Usage of Social Media"** from **14 to 16 March, 2025** organized by the **IDEAS, Madurai.**

3. Acted as **Resource Person** in a **Hands-on WORKSHOP** on **"Internet of Things"** on **7 March, 2025** organized by the **Department of Computer Science, MCC.**

4. Acted as **Resource Person** in **One Day WORKSHOP** on **"AI driven IoT Solutions"** on **7 February, 2025** organized by the **Department of Computer Science and Applications, Karur Vellalar College of Arts and Science, Karur.**

5. Acted as **Resource Person** in **One Day Hands-on WORKSHOP** on **"Mathematics and AI: Theory and Practice"** on **27 January, 2025** organized by the **Department of Mathematics, Loyola College (Autonomous), Chennai.**

6. Acted as **Resource Person** in **IMMERSIA 25 an Immersion Learning Program to High School Students** on **"Data Analytics : IoT Intelligence to GPT Interference"** on **22 January, 2025** organized by the **MCC (SFS STREAM) & MMIP, Chennai.**

7. Acted as **Resource Person in Seven Days Virtual Faculty Development Programme on Role of AI in Academic and Research Excellence** and handled a session on **"AI tools for Research and Writing"** on **11 January, 2025** organized by **DEPARTMENT OF COMMERCE, FACULTY OF SCIENCE AND HUMANITIES, SRM INSTITUTE OF SCIENCE AND TECHNOLOGY, Kattankulathur, Chengalpattu.**

8. Acted as **Resource Person** in **One Day Hands-on WORKSHOP** on **"Lets Nurture the IoT Mindset"** on 17 December, 2024 at **Department of Computer Applications, Science and Humanities, SRMIST, Chengalpattu.**

9. Acted as **Resource Person** in **One Day Hands-on WORKSHOP** on **"Internet of Things (IoT) - Intelligent Automation with ESP8266 "** on 2 December, 2024 organized by **Department of Data Science, Madras Christian College, Chennai.**

10. Acted as **Resource Person** in **six days online FDP** on **"Emerging Trends in Computer Science and Technology"** and presented a topic on **"Artificial Intelligence of Things (AIoT)"** on 6 December, 2024 organized by **Department of Computer Applications, Sacred Heart College, Tirupattur.**

11. Acted as **Resource Person in One Day Hands-on WORKSHOP** on **"Hands-On Workshop on IoT"** on 24 September, 2024 at **Women's Christian College (Autonomous), Chennai.**

12. Acted as **Resource Person in One Day Hands-on WORKSHOP** on **"Workshop on IoT Odyssey: Journey into the World of Smart Devices"** on 21 September, 2024 at the **Kristu Jayanti College (Autonomous), Bangalore.**

13. Acted as **Resource Person in One Day Hands-on WORKSHOP** on **"IoT Applications"** on 20 September, 2024 at the **SCHOOL OF COMPUTER SCIENCE AND IT, JAIN DEEMED TO BE UNIVERSITY, Bangalore.**

14. Acted as **Resource Person in One Day Hands-on WORKSHOP** on **"Internet of things"** on 6 September, 2024 at **PERIYAR UNIVERSITY, SALEM.**

15. Acted as **Resource Person in One Day Hands-on WORKSHOP** on **"Applied Hands-On Training to Build IoT applications"** on 13 August, 2024 at **Women's Christian College (Autonomous), Chennai.**

16. Acted as **Resource Person in One Day Hands-on WORKSHOP** on **"SMART SOLUTIONS : THE POWER OF IOT IN A CONNECTED WORLD"** on 13 August, 2024 at **MOP Vaishnav College for Women (Autonomous), Chennai.**

17. Acted as **Resource Person in One Day WORKSHOP** on **"IoT Integration: Build the Future of Digital Factories"** on 29th July, 2024 at **Don Bosco Arts & Science College, Kilpauk, Chennai.**

18. Acted as **Resource Person in One Day Guest Lecture** on "IoT in Action" on 12th July, 2024 at **FACULTY IF SCIENCE AND HUMANITIES, SRMIST, KATTANKULATHUR.**

19. Acted as **Resource Person in One Day Hands-on Workshop** on **"IoT Applications"** on 07th October, 2023 at **LOYOLA COLLEGE, VETTAVALAM, TIRUVANNAMALAI**.

20. Acted as **Resource Person in Two Days Workshop** on **"Internet of Things"** on 04th and 05th October, 2023 at **PERIYAR UNIVERSITY, SALEM.**

21. Acted as **Resource Person in One Day Hands-on Workshop** on **"Let's Nurture the IoT Mindset"** on 21st September, 2023 at **FACULTY OF SCIENCE AND HUMANITIES, SRMIST, CHENGALPATTU**.

22. Acted as **Resource Person in Outreach Program in Collaboration with Agaram Foundation** and deliver a Lecture on **"The Future Tech Scape on IoT: A Practical Approach for Beginners"** on 27th August, 2023 at **FACULTY OF SCIENCE AND HUMANITIES, SRMIST, CHENGALPATTU.**

23. Acted as **Resource person in One Day International Level Workshop** on **"IoT: Seamless Integration with Real World"** on 11.02.2023 organized by **Karur Velalar College of Arts and Science for Women, Karur.**

24. Acted as **Resource Person in One Day Hands-on Workshop** on **"Let's Nurture the IoT Mindset"** on 22nd February, 2023 at **FACULTY OF SCIENCE AND HUMANITIES, SRMIST, CHENGALPATTU**.

25. Acted as **Resource Person** in one day Faculty Training Program on **"Practical Introduction to IoT"** on 22nd November, 2022 at **COLLEGE SCIENCE AND HUMANITIES, SRMIST, CHENGALPATTU.**

26. Acted as **Resource Person** in **one day workshop** on **"Internet of Things"** on 5th April, 2022 organized by the department of Data Science at **ST. JOSEPH'S COLLEGE, TRICHY.**

27. Acted as **Resource Person** in **Three Days Workshop from 25th, 26th and 27st March, 2022** on **"Constructive use of Social Media"** for Social Activists from Southern Tamilnadu organized by the **Institute of Development Education, Action and Studies (IDEAS), Madurai**.

28. Acted as **Resource Person** in **One-Day Webinar** on **"Internet of Things (IoT)- and its Applications"** 11th Nov, 2021 at **SRI KAILASH WOMEN'S COLLEGE, ATTUR, SALEM – 636 112.**

29. Acted as **Resource Person** in One-Day Virtual Workshop on **"Internet of Things (IoT)- Applications and Challenges towards Smart World"** 15th July, 2021 at **KAMBAN COLLEGE OF ARTS AND SCIENCE FOR WOMEN, TIRUVANNAMALAI.**

30. Acted as **Resource Person** in One-Day Virtual Workshop on **"Essentials of Internet of Things (IoT)"** 8th July, 2021 at **AYYA NADAR JANAKI AMMAL COLLEGE, SIVAKSAI.**

31. Acted as **Resource Person** in One-Day Virtual State Level Workshop on **"Practical Approaches to Integrate and Interact with IoT Devices"** 28th June, 2021 at **ST.XAVIER'S COLLEGE, PALAYAMKOTTAI, TIRUNELVELI**.

32. Acted as **Resource Person** in Three Days Workshop from 19th, 20th and 21st May, 2021 on **"Social Media and Website Development"** for Social Activists from Southern Tamilnadu organized by **Institute of Development Education, Action and Studies (IDEAS), Madurai**.

33. Acted as **Resource Person** in One-Day Workshop on **"Internet of Things (IoT)"** 25th February, 2020 at **LOYOLA COLLEGE OF ARTS AND SCIENCE, METTALA**.

34. Acted as **Resource Person** in One-Day **"National Workshop on Artificial Intelligence (AI)"** 14th Feb, 2020 at **SRI KAILASH WOMEN'S COLLEGE, ATTUR, SALEM – 636 112**.

35. Acted as **Resource Person** in One-Day Workshop on **"National Workshop on Internet of Things (IoT)"** 25th July, 2019 at **PAAVENDHAR COLLEGE OF ARTS AND SCIENCE, ATTUR**.

36. Acted as **Resource Person** in Three Days Workshop from 09th, 10th and 11th May, 2019 on **"Social Media and Website Development"** for Social Activists from Southern Tamilnadu organized by **Institute of Development Education, Action and Studies (IDEAS), Madurai**.

37. Acted as **Resource Person** in One-Day Workshop on **"Employability Skills"** 8th February, 2019 at **ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY, PANRUTI – 607 106**.

38. Acted as **Resource Person** in Two-Days Workshop on **"Internet of Things"** from 12th to13th December, 2018 at **ST. ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY, PANRUTI – 607 106**.

39. Acted as **Resource Person** in one-day workshop on **"Internet of Things (IoT)"** on 28th December, 2018 at **SRI KAILASH WOMEN'S COLLEGE, ATTUR, SALEM – 636 112**.

40. Acted as **Resource Person** and delivered a Guest Lecture on **"Internet of Things (IoT) A Gateway to Smart World"** on 26th of September 2017 at **SRI KAILASH WOMEN'S COLLEGE, ATTUR, SALEM – 636 112**.

41. Acted as **Resource Person** in Three Days Workshop from 8th to 10th July, 2016 on **"Social Media"** to Social Activists from Southern Tamilnadu organized by **Institute of Development Education, Action and Studies (IDEAS), Madurai**.

42. Acted as **Resource Person** in Two Days Workshop on **"Social Media"** to Social Activists from Southern Tamilnadu organized by **Institute of Development Education, Action and Studies (IDEAS), Madurai** on 28th and 29th September 2015.

43. Acted as **Resource Person** in Three Days Workshop from 11th to 13th July, 2015 on **"Social Media"** for Members of IDEAS organized by **Institute of Development Education, Action and Studies (IDEAS), Madurai**.

44. Acted as **Resource Person** in one-day Workshop on **"Efficient Teaching with ICT"** on 23rd February 2015 at Arunai College of Education, Tiruvannamalai Dist.

45. Organized one-day state level seminar on **"Amazing Growth in IT and Alarming Ecological Concerns"** on 28th February 2014(National Science Day) at Loyola College, Vettavalam.

46. Acted as **Resource Person** in one day workshop on **"Presentation skills"** to B.Ed Students of S.Vellaichami Nadar College, Nagamalai, Madurai Dist on 2012.

47. Acted as **Resource Person** in one day workshop on **"Presentation skills"** to BCA Students of S.Vellaichami Nadar College, Nagamalai, Madurai Dist on 2012.

48. Acted as **Resource Person** in one-day workshop on **"Presentation skills"** to the faculty members of Loyola College, Vettavalam, Tiruvannamalai Dist on 2010.

Seminars and Workshops Participated:

1. Participated in Six Days workshop on **"AI in Pedagogy and Scientific Writing"** from **27 Jan to 01 Feb 2025 organized by Electronics & ICT Academy, IIT Guwahati**.

2. Participated Five days FDP on **"Inculcating Universal Human Values in Technical Education"** organized by **All India Council for Technical Education (AICTE)** from 16th January to 20th January 2023.

3. Participated in Four Days training program on **"Ignatian Leadership Program"** for Jesuit South Zone Provinces at Sacred Heart College. Shenbaganur, Kodaikanal from **20th April to 23rd April 2022 organized by Madurai Jesuit Province**.

4. Participated in One-Day National Seminar on **"UGC – SAP National Seminar on "ICT for Smart Agriculture" (ISA – 2018)"** on 07.09.2018 at Department of Computer Science, Periyar University, Salem.

5. Participated in Two-Day National Workshop on **"Artificial Intelligence"** on 25-08-18 & 26-08-18 organized by LIMCOS, Department of Computer Science, Loyola College, Chennai.

6. Participated Two-Day International Workshop on **"MACHINE LEARNING & ALGORITHMS (MLA)"** on 24-02-18 & 25-02-18 organized by the Department of Computer Science Sri Sankara Arts & Science College, Enathur, Kanchipuram – 631 561.

7. Participated in Nine Days Training programme on **"On going Formation for Faculty Development Programme"** at St.Joseph's College, Tiruchirapalli.

8. Participated in Two Days workshop on **"On going Formation for Faculty Development Programme"** at St.Joseph's College, Tiruchirapalli.

9. Participated in workshop on **"Short film making for Social Change"** on 30th May to 11th June 2011 at Loyola College, Vettavalam, Tiruvannamalai Dist.

10. Participated in Three Days National Level Seminar on **"Effective Communication and Teaching"** from 28th to 30th December 2010 held at Andhra Loyola College, Vijayawada – 8, Andhra Pradesh.

Membership:

- Senior member in InSc International Publishers , Member ID : INSC2023737A
- Basic Member in Computer Science Teachers Association

Editorial Review Board Member:

International Conference on Artificial Intelligence, Cybersecurity & Mathematical Modelling (AICMM 2023), Loyola College, Mettala, Namakkal Dt., on27[th] to 29th October 2023 .

Scopus Author ID : **57219979529**

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Personal Profile

- ➢ **Father's Name** : R. LOGANATHAN

- ➢ **Mother's Name** : L. DEVI

- ➢ **Date Of Birth** : 26.04.1985

- ➢ **Marital Status** : Married

- ➢ **Gender** : Male

- ➢ **Nationality** : Indian

- ➢ **Linguistic Proficiency** : Tamil, English

- ➢ **Residential Address** : Flat No: 403, Suresh Block, Chithra Avenue, , Choolai Medu High Road, Chennai – 600 094.

Declaration

I hereby declare that the above-mentioned details are true to the best of my knowledge and assuring you my services to the satisfaction.

Yours Faithfully

Dr. SELVAM L