

Department of Electronics and Communication Engineering

Personal Details

Name:	Dr M.Jasmin
Designation:	Professor
Educational Qualification:	M.Tech, Ph.D
Experience:	15 years
Area of Specialization:	VLSI Design, Digital Electronics.

Educational Details

S.No.	Degree	Branch/Specialization	Institute/University	Year
1	B.E	ECE	PSNA Engineering College, Dindigul / Madurai Kamaraj University	2000
2	M.Tech	VLSI Design	Bharath Institute of Higher Education and Research, Chennai.	2009
3	Ph.D	VLSI Design	Bharath Institute of Higher Education and Research, Chennai.	2019

Publication Details

1. L. Hussien Jasim, K. Umarani, **M. Jasmin**, Ashish Pathani, Shivam Katare and Amit Chaudhary, "Thermoelectric Superconductors for Energy Harvesting and Cooling Applications", E3S Web of Conf. Volume 540, 2024.
2. Radhakrishnan S, **Jasmin M**, Senthilkumar K.K. and Vanitha M, "Intelligent Control System for Wind Turbine Farms Using IoT and Machine Learning" E3S Web of Conf. Volume 387, 2023.

3. Dhabliya D, Al-Jawahry H.M., Sharma V, Jayadurga R, **Jasmin M.** “Long Short-Term Memory (LSTM) Networks for Stock Market Prediction” 4th International Conference on Computation, Automation and Knowledge Management, ICCAKM 2023.
4. K Subramani, **M. Jasmin**, Ahmed H. R. Abbas; M. Vimala; Md. Naim Ansari; R J Anandhi, “Statistical Analysis of Ecological Mathematical Model Based on Data Warehouse”, 2023 Second International Conference On Smart Technologies For Smart Nation -IEEE Xplore: 2023.
5. **Jasmin M**, Vigneswaran T , “An adaptive low power coding scheme for the NoC”,International Journal of Advanced Intelligence Paradigms, 13(3-4), 324-333, 2019
6. **M. Jasmin**, S. Philomina, “Runtime adaptive Dynamic Voltage Frequency Scaling technique for reducing the power consumption in Multi Processor System On Chip” Journal of Mechanics of Continua and Mathematical Sciences, Special Issue, No.-2 , 275-285, 2019.
7. Karthik B, Meena Kumari G , **Jasmin M**, “Archimedean antenna design with ultra-ease "Green" modules” International Journal of Engineering and Advanced Technology 8(6 Special Issue 2), 358-361, 2019.
8. Karthik B, Sriram M, **Jasmin M**, Low power and high performance MTCMOS conditional discharge flip flop International Journal of Engineering and Advanced Technology, 8(6 Special Issue 2), 341-345,2019.
9. Karthik B, **Jasmin M**, Arulselvi S, Stacking technique for low power SRAM, International Journal of Engineering and Advanced Technology, 8(6 Special Issue 2), 118-121,2019
- 10.S.Philomina, **M.Jasmin**, Congestion Avoidance-Data replication in Mobile Adhoc Network , Journal of Mechanics of Continua and Mathematical Sciences, Special Issue, No.-2, 2019.
- 11.B. Karthik, **M.Jasmin** , S. Arulselvi, M.Sriram, “Real Concern to High Speed VLSI Design for Interconnect Scaling ,Journal of Mechanics of Continua and Mathematical Sciences, Special Issue, No.-2,457-463,2019.
12. **M. Jasmin**, Vigneswaran T, Fuzzy based adaptive controller for on - Chip communication, International Journal of Engineering and Technology, 7(3.27) 362-367,2018.
13. S.Beulah Hemalatha, **M.Jasmin**, A new approach to reduce leakage current in 6t SRAM using Finfet, Journal of Chemical and Pharmaceutical sciences ,9(3),234-238,2016.
14. S.Beulah Hemalatha, T.Vigneshwaran, **M.Jasmin**, Survey on Energy efficient Methodologies and architectures of Network-on-Chip, Indian Journal of Science and Technology,9(12),1-8,2016
15. **M.Jasmin**, Design Of Power Aware On Chip Embedded Memory Based FSM Encoding In FPGA, International Journal of Applied Engineering Research,10(2),4487-4496,2015.

16. **M.Jasmin**, Optimization Techniques for Low Power VLSI Circuits , Middle-East Journal of Scientific Research, 20(9) ,1082- 1087,2014.

Conference Publications

1. M.Jasmin, D.Gokulakrishnan, M.Sriram, Neural Fuzzy System for Improved Decision Making For the Selection of Coding Scheme for the On Chip Communication, Proceedings of the First International Conference on Computing, Communication and Control System, I3CAC 2021, 7-8 June 2021
2. Jasmin M , Heart Disease Identification Method using Machine Learning Classification in E Health Care, National Conference SILICON'21 organized by Dr M.G.R University , 17th -18th May 2021.
3. Jasmin M, Fuzzy controller for error control of on - Chip communication, ICAMMAET, IEEE, 2017.
4. Jasmin M, A Survey On Gsm Tower Radiation and Its effects In living Organisms, ICTPACT, IEEE, ISSN NO : 978-1-5090-3381-2, April 2017.
5. Jasmin M , An Adaptive Low power Coding Scheme for NOC, ICVESCOM 2017, April 25-26, 2016.
6. M.Jasmin, Design Of Power Aware On Chip Embedded Memory Based FSM Encoding in FPGA, National Conference On VLSI Design Architecture And Applications-at VIT, Chennai In April 2014.
7. M.Jasmin, Design of Novel Low power Dual Edge Triggered Flip Flop, International Conference at Lakshmi Ammal Engineering College,2014.

Professional Society Membership

1. IEEE (Institute of Electrical and Electronics Engineers) Professional Member:99117611

Program Organised

Conferences

- Organized “International Conference On Communication, Computing And Electronics Systems (ICCES'24)” at New Prince Shri Bhavani College of Engineering and Technology
- Organized the National Conference “National Forum on Advanced Innovations in Electronic World 2020- NFAIEW'20” at Bharath Institute of Higher Education and Research

- Organized National Conference on recent trends in Information and Communication, 2018 at Bharath Institute of Higher Education and Research

Program Attended

FDP/STTP

1. Attended 6 days ATAL FDP on IoT Based Healthcare Systems for Smart cities and Homes with a special Emphasis on Senior-friendly Living” at JNN Institute of Engineering , August 26th -31st 2024.
2. Attended 6 days ATAL FDP on Outcome Based Research: VLSI Design and Modeling” at Bharath Institute of Higher Education and Research, December 11th -16th 2023.
3. Attended one Week FDP on “Antenna Design Techniques and Tools” Organized by NITTR, Chandigarh.
4. Completed three Week “Women Entrepreneurship Development Programme” Sponsored by NSTEDB , DST, from 3rd July-21st July 2023.
5. Attended 5 days FDP on Outcome Based Education at Bharath Institute of Higher Education and Research, February 4th -10th 2021
6. Completed ATAL online FDP on Research Issues in VLSI Design and Testing, conducted from 2nd -6th August,2021.
7. Completed ATAL online FDP on Artificial Intelligence conducted from 21st -25th September, 2020.
8. Completed Data science FDP conducted by E&ICT Academy, IIT Kanpur from 11th June 2021 to 27th June 2021
9. Participated in Online STTP on MATLAB based Teaching-Learning in Mathematics, Science & Engineering organized by RamRao Adik Institute of Technology from May 18-22, 2020.

Webinar

1. Attended Webinar on Recent advances in Satellite Propulsion System on 5th June 2021.
2. Attended Webinar on Emerging Technological Trends and Future Challenges in Telemedicine from 19th -20th February 2021.
3. Attended Webinar on Wireless Network Security challenges and solutions in the new normal on 10th June 2021.

4. Attended Webinar on Dangers of Data on 6th May 2020.
5. Attended Webinar on Piezoelectric Based Energy Harvesting Techniques on 3rd June 2020.
6. Attended Webinar on Artificial Intelligence in Neurology on 5th June 2020.

Other Details

Patents

1. Smart Box for Senior Citizen or Patient, Published on 15.12.2019(201941051983).
2. GPS & IoT Based Voice Alert System for the Blind” Published on 23.11.2019(201941047964)
Reviewer:

Journal Reviewer

Reviewer for Wireless Networks Journal and International Journal of Systems Assurance Engineering and Management.

Doctoral Committee Member:

DC Member at Vels Institute of Advanced Studies and Bharath Institute of Higher Education and Research.

Resource Person

Acted as a Resource person for Webinar on “ Contemporary Trends and Challenges in Electronics and Communication engineering” at Saveetha Engineering College on 30th December 2022.