



Department of Artificial Intelligence and Datascience

FACULTY DETAILS

Staff Name	: SUBHA J
Date of Birth	: 05/04/1988
Educational Qualification	: B.E.,M.Tech.,(Ph.D)
Area of Interest	: Internet of things, Machine Learning, Deep Learning
Years of Experience	: 1year 5 months
Area of Research	: Deep learning
No of Student Projects Guided	: -
Supervisor	: -
FDP & Workshop Funding	: -
Research Projects (Granted)	: -
R & D Activities	: -

Journals

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| Publication Details | : | <ol style="list-style-type: none">1. Published a paper entitled “Efficient Water Supply Scheduling in IoT Sector with Modified Exploration-based Artificial Gorilla Troops Optimizer” in Cybernetics and Systems Journal. (SCI)2. Published a paper entitled “Enhanced ARIMA Model for Water Demand Forecasting in Smart Water Distribution Network”, in <i>International Journal of Intelligent Systems and Applications in Engineering</i>, 11(3), pp. 598–610. (Scopus Journal) |
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Conferences

1. Published a paper entitled “Optimal Water Supply Scheduling Mechanisms using Bio-Inspired Algorithms for IoT-based Smart Water Distribution Network” in the IEEE

	<p>sponsored International Conference on Augmented Intelligence and Sustainable Systems (ICAISS-2022) held at CARE College of Engineering, Trichy, held on November 24&26, 2022. (Scopus Indexed)</p> <p>2. Published a paper entitled “ IoT Enabled Water Distribution Systems for Energy Efficiency in WSN” in the IEEE sponsored International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems ICSES’22 held at St. Joseph’s Institute of Technology, Chennai held on July 15 &16 2022. (Scopus Indexed)</p> <p>Book Chapters:</p> <p>3. Published a book chapter entitled “Review on Deep Learning Algorithms for Object Detection” in the Springer sponsored <u>International Conference on Intelligent Sustainable Systems</u> (ICISS 2023) in springer Link: Lecture Notes in Networks and Systems. (Scopus Indexed)</p> <p>4. Published a book chapter entitled “Comprehensive Analysis of the Role of Intelligent Systems and the Use of Big Data in the Healthcare Sector” in the book of “Revolutionary Impact of 5G on Advancement of Technology in Healthcare" in Apple Academy Press.</p>
Patent Publication	<p>1. Published a patent entitled “Efficient Water Supply Scheduling in IoT-Enabled Water Distribution Based on Heuristic Algorithm” in June 2023.</p> <p>2. Published a patent entitled” A Deep Learning Approach to cervical cancer segmentation and severity Grading with SHONET Classifier” in June 2023.</p>
Honors & Awards	: NIL
FDP & Workshop Attended Details	<p>1. Participated in One Week Faculty Development Program on “Deep Learning and IoT Driven</p>

Smart Applications” which was held between 24th and 29th June 2024 and organized by MLR Institute of Technology, Hyderabad.

2. Participated and presented the poster entitled “**The Water Demand Forecasting using Deep Learning Techniques in Smart Water Distribution Network**” and got the **best poster presentation award in DPRC-2024**, held on March 26th - 28th, 2024 at SRM Institute of Science and Technology.
3. Appreciated outstanding service in the **National Conference on Futuristic Computing in Financial Technologies (FCOM-Fintech’24)**, held from 29th-30th, January 2024, at S.R.M. Institute of SRM Institute of Science and Technology.
4. Participated and presented the paper entitled “**IOT-enabled optimization in water distribution system**” in DPRC-2022, held on 24th - 26th March 2022 at SRM Institute of Science and Technology.
5. Participated in Five days Workshop on “**Week Workshop on Evolving Potentials in Quantum Computing Applications**” from 21.11.2023 to 25.11.2023, and organized by SRM Institute of Science and Technology.
6. Participated in One Week National Level Faculty Development Program on “**Cloud Infrastructure (AWS)**” which was held between 21.08.2023 & 25.08.2023, and organized by SRM Institute of Science and Technology in collaboration with Brainovision solutions India Pvt Ltd and **AICTE**.
7. Participated in Two days Workshop on “**wireless network: 5G and Beyond**” which was held between 01.02.2023 & 02.02.2023, and organized by SRM Institute of Science and Technology
8. Participated Two-week short term training programme on “**Cryptography in Quantum Computing**” which was held from 7.10.2022 to

	21.10.2022, and organized by SRM Institute of Science and Technology
	9. Participated One-week short term training programme on “ Intelligent IoT System Development from Scratch to Prototype ” which was held from 21.11.2022 to 25.11.2022, and organized by SRM Institute of Science and Technology.
	10. Participated in the Hands on Training – Online session on “ Data visualization using sea born package –An important tool for a Data Scientist ” on 2 June 2021 organized by Department of Computer Science and Engineering, Bharath Institute of Higher Education and Research, Chennai.
	11. Participated & completed successfully AICTE Training and Learning (ATAL) Online FDP on “ Design Thinking ” from 2020-10-19 to 2020-10-23 organized by KPR Institute of Engineering and Technology.
Professional Membership	: Nil
LinkedIn ID	: https://www.linkedin.com/in/subha-cse-76301256/
Google Scholar ID	: https://scholar.google.com/citations?hl=en&user=TtAdzH4AAAAJ
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