



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	:	1 year 5 months
Area of Research	:	Deep learning
No of Student Projects Guided	:	-
Supervisor	:	-
FDP & Workshop	:	-
Funding	:	-
Research Projects (Granted)	:	-
R & D Activities	:	-

Journals

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 *International Journal of Intelligent Systems and Applications in Engineering*, 11(3), pp. 598–610. (Scopus Journal)

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

sponsored International Conference on Augmented Intelligence and Sustainable Systems (ICAIS-2022) held at CARE College of Engineering, Trichy, held on November 24&26, 2022. (**Scopus Indexed**)

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**)

Book Chapters:

3. Published a book chapter entitled “**Review on Deep Learning Algorithms for Object Detection**” in the Springer sponsored International Conference on Intelligent Sustainable Systems (ICISS 2023) in springer Link: Lecture Notes in Networks and Systems. (**Scopus Indexed**)
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**.

Patent Publication :

1. Published a patent entitled “**Efficient Water Supply Scheduling in IoT-Enabled Water Distribution Based on Heuristic Algorithm**” in June 2023.
2. Published a patent entitled” **A Deep Learning Approach to cervical cancer segmentation and severity Grading with SHONET Classifier**” in June 2023.

Honors & Awards : NIL

FDP & Workshop Attended Details : 1. Participated in One Week Faculty Development Program on “**Deep Learning and IoT Driven**

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
Scopus ID	: 57214970416
E-mail ID	: jsubhacse@gmail.com , subhaj@stjosephstechnology.ac.in
Mobile Number	: 9884244903