

Dr. Suma R
B.E, M.Tech, Ph D
22 Years of Teaching Experience

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I Dr. Suma R hold Bachelors of Engineering from Bangalore University, M.Tech in Computer Science and Engineering from Visvesvaraya Technological University, Belagavi and Ph. D in Faculty of Computer and Information Sciences from VTU, Belagavi. I have a total of 22 years of teaching experience in this field. My objective is to help students to acquire knowledge, shape their character and model their behavior and also enhance my skills and abilities at the same time increasing the organization productivity and reputation.

I do cope well under pressure and I am able to work alone or with a team and I'm goal driven that is what brings me here.

I have published more than 20 papers in various International/national Journals, published 2 books, also published 3 Indian patents and 1 International patent granted.

Areas of expertise (subjects handled):

Computer Networks, Computer Graphics and Visualization, Analysis and Design of Algorithms, Advanced Computer Architecture, Data Mining and Machine Learning, Software Engineering.

FDP & conferences attended:

Attended FDP on Latex, organized by Gopalan college of Engineering and Management in association with IIT Bombay on April 2020.

Attended FDP on Artificial Intelligence and Machine Learning in SMVITM on October 2021.

Attended FDP on Augmented Reality and Virtual Reality in the month August 2021 at NMIT.

Attended a Seminar on Go Aero- A two day National Level Webinar on "Enabling Technologies & Opportunities in Aerospace Engineering".

Attended One Week Faculty Development Program on "Amazon Web Services" from 22nd August 2022 to 27th August 2022 in Collaboration with Brainovision Solutions India Pvt Ltd and All India Council of Technical Education-AICTE.

Attended 6 days FDP on Deep Learning and Gen AI Applications by E-ICT, IIT Roorkee in association with T. John Institute of Technology from 20th Jan 2025-25th Jan 2025.

Paper Publications:

1. Title of the Topic **“L1-Regulated Feature Selection and Deep Learning Based Classification for Intrusion Detection System in MANET”**
Volume 10, Issue 2, August 2020, ISSN:2321-0605
Journal: International Journal of Latest Transactions in Engineering and Science.(IJLTES)
2. Title of the Topic **“Integration of particle swarm optimization with adaptive K-Nearest Neighbor for Energy-Efficient Clustering in MANET”**
Journal: International Journal of Advanced Research, Ideas and Innovations in Technology(IJARIIT)
Volume 6, Issue 6, ISSN:2454-132X, Page No:233-240, December 2020.
3. Suma R, Dr. Siddaraju **“Delay and Bandwidth Enabled Quality of Service Routing for MANET through Randomcast Technique”**, Volume 9, Issue 5, May 2022, ISSN:1869-9391, GIS Science Journal. (GSJ).
4. Suma R, Jyothi M, Dr. Siddaraju, **“An Energy Efficient Communication Scheme by Estimating CAEN and Reducing Overhearing Probability in MANETs”** published in IJARCSSE, Vol.3, Issue 8, August- 2013, pp 1250-1254.
5. Suma R, Dr. Siddaraju, **“Efficient Power Saving MAC protocols in Mobile Adhoc Networks- A Review”** published in IJERT, Vol. 3, Issue 19, May 2015, pp 806-811.
6. Suma R, Dr. Siddaraju **“Improving Energy Efficiency and Network Lifetime of MANETs through Frequent Pattern Mining based Huffman Coding Algorithm”** published in International Journal of Computer Science and Information Technologies(IJCSIT), Volume 12 Issue 1 Jan –Feb 2021, ISSN 0975-9646.
7. Suma R, Nayan Prakash Lal, et.al., **“Review and Approaches to Develop Legal Assistance for Lawyers and Legal Professionals using Artificial Intelligence and Machine Learning”** published in International Research Journal of Engineering and Technology(IRJET), Volume 9, Issue: 12, Dec 2022, p-ISSN2:2395-0072.
8. Suma R, Akshara R Nair, et.al., **“Crop Yield Production for Cultivating Alternative Crops Based on Weather and Soil Conditions Using Machine Learning Algorithm”** published in International Journal of Modern Development in Engineering and Science, Volume 2, Issue 1, January 2023, ISSN:2583-3138.

9. Dr. Suma R, A Benedict Cyril, A Sahana, Kishan Angya J, Swetha C, “**Cmaan Learn – Internship and Placement Software**”, published in International Journal of All Research Education and Scientific Methods (IJARESM), Volume 13, Issue1, January 2025.
10. Suma R, Naina Mangesh Pawar, Mohammed Waseem Surakha ,O Harshavardhan Reddy, Nithin B Y, “**Applicant Tracking System Integrated Resume Parser**”, published in Journal of Emerging Technologies and Innovative Research (JETIR), Volume 12, Issue 1, January 2025,
11. Prabha R, Suma R, Suresh Babu D, S Saila, “**Rain streak removal using improved generative adversarial network with loss function optimization**”, published in Cognitive Computation , Volume 17, Issue 2, March 2025.