

PROFILE

Name	MS. JAYASHREE N
Position & Affiliation	Assistant Professor, Department of ISE
Areas of Interest	Artificial Intelligence, Machine Learning, Network Security, Information Security, Internet of Things.
Email	jayashree.ise@cambridge.edu.in
LinkedIn ID	https://www.linkedin.com/in/jayashree-n-84022419/
Google Scholar ID	yWufSGMAAAAJ
Orchid ID	0000-0001-8589-4661
Vidwan ID	270302/Jayashree N
Scopus ID	57190663215
Professional Webpage (if any)	

Educational Qualifications:

Ph.D	VTU	India	Pursuing
MTech	VTU	India	2011
BE	VTU	India	2009

Areas of Research:

Distributed Artificial Intelligence, Industrial Internet of Things

Brief Profile: (write about yourself)

Prof. Jayashree N is working as Assistant Professor in the Department of Information Science and Engineering from September 2021. She is graduated from Rao Bahadur Y Mahabaleshwarappa Engineering College, Bellary in 2009 and she completed her masters in Siddaganga Institute of Technology, Tumkur in 2011 both specialized in Computer Science and Engineering. Currently she is pursuing her Ph.D. under VTU registered under RV College of Engineering, Bangaluru. She has over 13 years of teaching experience from Ballari Institute of Technology and Management, C Byregowda Institute of Technology, and associated with Cambridge Institute of Technology from September 2021. Her research interests include information security, information processing, artificial intelligence, machine learning, edge analytics, and data science. Over the period of 13 years, she has guided over 100 UG students for the projects related to network security, artificial intelligence, internet of things, real-time applications related to data processing, and academic related projects.

Awards/Achievements/Others:	
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Courses Taught:	
<p>Data Mining, Network Management Systems, Storage Area Networks, Software Architecture , Computer Concepts & C Programming, JAVA and J2EE, Advanced JAVA and J2EE, Computer Graphics and Visualization (NON-CBCS and CBCS), Programming in C# and .Net, Unix and Shell Programming, Machine Learning, Automata Theory and Computation, User Interface Design, Artificial Intelligence and Machine Learning, Programming in Java, Design & Analysis of Algorithms Lab, Network Programming Lab, Data Structures in C Lab, Software Testing Lab, Computer Programming Lab, Computer Graphics and Visualization Lab , Computer Graphics Laboratory with Mini Project, Machine Learning Laboratory, Database Management Systems Laboratory, Introduction to Artificial Intelligence, Object Oriented Concepts, Information Security, Artificial Intelligence & Agent Technology, Switching & Statistical Multiplexing in Telecommunications, Machine Learning Techniques, Blockchain Technology, Internet of Things</p>	
Publications/Patents:	
Publications	<ol style="list-style-type: none"> 1. Jayashree N and Dr. B. Sathish Babu, “Steiner Tree-Based Decentralization Mechanism (StdM) for Privacy Protection in Wireless Sensor Network”, Fifth International Conference on Information Processing (ICIP-2011) and published in CCIS 157, pp. 403-309, 2011, Springer, Germany. 2. Dr. B. Sathish Babu, Jayashree N, and Dr. Pallapa Venkatram, “Performance Analysis of Steiner Tree-based Decentralization Mechanism (STDM) for Privacy Protection in Wireless Sensor Network”, International Journal of Network Security, Vol.15, No.5, PP.331-340, Sept. 2013. 3. Jayashree N and Dr. B Satish Babu, “ElGamal-based Privacy Preserving Scheme for Edge-Cloud-of-Things”, 4th IEEE International Conference on Computational Systems and Information Technology for Sustainable Solutions (CSITSS-2019), pp. 166-169, Dec. 2019. 4. Dr. B Sathish Babu and Jayashree N, “Edge Intelligence Models for Industrial IoT (IIoT)”, RV Journal of ScienceTechnology Engineering Arts and Management, 2020. 5. Jayashree N, Dr. B Sathish Babu, and Basavaraj Talwar, “Decentralized Priority-based Shortest Job First (DPSJF) Queue Model for IoT Gateways in Fog Computing”, InderScience Journal of Grid and Utility Computing, Vol.13 No.4, pp.414 – 424, 2022. 6. Jayashree N, Dr. B Sathish Babu, K N Subramanya, “Collective Intelligence Framework for Energy Optimization in Industry 4.0 Enabled Manufacturing”, 56th Annual Convention of Operational Research Society of India (2023-ORSI) & 10th Internaltional Conference on Business Analytics and Intelligence (2023-ICBAI). 7. Jayashree N, Md. Moin U K, Nafisa B G, Poornima B, Sneha V, “Voice Controlled Autonomous Vehicle For Physically Challenges Civilians”, International Journal of Creative Research Thoughts, Volume 12, Issue 5 May 2024. 8. Jayashree N, Meghana D, Rakshitha A, Rohitha K NN, Sharanya V, “Real-time Monitoring of Machine Health Manufacturing Industry – An Industrial IoT Application”, International Journal of Creative Research Thoughts, Volume 12, Issue 5 May 2024.
Patents	--
Book/Book Chapters	<ol style="list-style-type: none"> 1. Jayashree N and Dr. B Sathish Babu, “Edge Data Analytics Solutions and Technologies”, ADCOM: Edge/Fog Computing Paradigm: The Concept, Platforms and Applications Vol 127 2022.