

PROFILE

Name	Dr Shilpa V
Position & Affiliation	Associate Professor, Department of CSE
Areas of Interest	WSN,IoT,Cyber Security
Email	shilpav.cse@cambridge.edu.in
LinkedIn ID	(22) Dr Shilpa V LinkedIn
Google Scholar ID	Dr Shilpa V - Google Scholar
Orchid ID	0000-0002-9568-6548
Vidwan ID	270317
Scopus ID	
Professional Webpage (if any)	

Educational Qualifications:

Ph.D	VTU	India	2023
MTech	Bangalore University	India	2014
BE	VTU	India	2009

Areas of Research:

Wireless Sensor Networks, Internet of Things,Cyber Security

Brief Profile: (write about yourself)

Dr. Shilpa V is currently working as Associate Professor in Department of Computer Science and Engineering at Cambridge Institute of Technology, Bangalore, India. She received her Bachelor of Engineering degree in Information Science and Engineering from Visvesvaraya Technological University, Belagavi and Master of Engineering degree in Computer Networking from University Visvesvaraya College of Engineering, Bangalore University, Bengaluru. She is currently pursuing Ph.D. under the guidance of Dr. Vidya A in Computer Science and Engineering at Vivekananda Institute of Technology, affiliated to Visvesvaraya Technological University, Bangalore, India. Her research interest includes Internet of Things, with a focus on security and authentication protocols, Cloud Computing.

Dr. Shilpa V has successfully guided 8 BE project batches and 1 MTech batch and 4 CCCIR Projects. She is now recognized as a Supervisor under VTU for PhD candidates.

• Awards/Achievements/Others:

• Life Member - Indian Society for Technical Education (ISTE) • Life Member - Institute of Engineers (IEI)	
Courses Taught: Computer Networks, Big Data, Design and analysis of Algorithms, IoT, Programming in C, Java, Advanced Algorithms, Computer Network and Security, Python.	
Publications/Patents:	
Publications	• Title: “Building Efficiency through relentless innovation”, National Conference on Emerging Trends in Technology, on April 2012. • Title: “A Trustworthy and Energy Based Scheme for multi-hop wireless Ad-hoc networks using Protected Reliable Route”, National Conference on Emerging Trends in Technology, on April 2015. • Title: “A Novel Method for Traffic Analysis in MANATS” International Conference on ICRASE, on May 2015. • Title: “Emotion Recognition from Textual Documents and Blogs”, National Conference on Emerging Trends in Technology, on April 2016. • Title “SRA Schema for Heterogeneous IoT on Cloud Server-A Survey” International Conference on ICEECCOT-2019,GSSSIETW, MYSURU.Paper got selected for Springer Nature journal on 14th December 2019. • Title: “Study on Tools Used in IoT Development Life Cycle” on International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-2S, December 2019. Paper got selected for Elsevier Scopus indexed journal. • Title “SRA Schema for Heterogeneous IoT on Cloud Server-A Survey” International Conference on ICEECCOT-2019,GSSSIETW, MYSURU.Paper got selected for Springer Nature journal on 14th December 2019. • Title: “Study on Tools Used in IoT Development Life Cycle” on International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-2S, December 2019. Paper got selected for Elsevier Scopus indexed journal. • Title “A Hybrid Optimization Algorithm and Shamir Secret Sharing based Secure Data Transmission for IoT based WSN” on International Journal of Intelligent Engineering and Systems (IJIES) ISSN: 2185-3118.Paper got selected for scopus indexed journal on 20th August 2021. • Title “MQTT based Secure Transport Layer Communication for Mutual Authentication in IoT Network” in ScienceDirect Global Transitions.
Patents	• SYSTEM AND METHOD OF SECURE FILE STORAGE ON CLOUD USING CRYPTOGRAPHY. 24/05/2023, a-202341035873 • A New Secured Transportation Logistics Architecture using 2LAECC,QMAP,and Blockchain on IoT.3/9/2024,A-202441066469

Book/Book Chapters	Accepted for book chapter “Energy Efficient Cluster Head Selection and Routing using Levy Flight-Coati Optimization Algorithm in Wireless Sensor Network” by <i>Lecture Notes in Electrical Engineering</i> ” In Springer-2024.

Research and Consultancy:

CCCIT

1. DNA_cryptography
2. SeQUeNCe: Simulator of QUantum Network Communication
3. DNA Computation Simulator
4. digital-patient

Trane Projects

1. [cyber attacks using raspberry pi.](#)