PROFILE

Name	Dr.Sapna
Position & Affiliation	Associate Professor, Department of ISE
Areas of Interest	• Internet of Things (IoT) Security • Big Data and Analytics
Email	sapna.ise@cambridge.edu.in
LinkedIn ID	
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Educational Qualifications:

Ph.D	Visvesvaraya Technological University	India	2024
MTech	RVCE, Visvesvaraya Technological University	India	2009
BE	NMAMIT, Visvesvaraya Technological University	India	2005

Areas of Research:

- Internet of Things (IoT) Security
- Big Data and Analytics

Brief Profile: (write about yourself)

Ms. Sapna is an Assistant Professor in the Department of ISE. Her academic interests include Computer Networks, Information and Network Security, Data Mining and Data Warehousing Big Data, Machine Learning , Network Simulation. In addition to her interest in academics, she also focuses on research in the area of Internet of Things(IoT) and Security. Her teaching techniques include Activity based Learning, Cohort based model for group learning and Flipped classroom model.

She holds a B.E. degree in CSE from Visvesvaraya Technological University and an M.Tech degree in CNE from the Visvesvaraya Technological University ,and currently pursuing Ph.D under Visvesvaraya Technological University. She has participated in various workshops and faculty development programs held by various colleges and universities.

She has around 13 years of teaching experience and is associated with Cambridge Institute of

Technology from 2010.

Guided B.E. and M.Tech students in their seminars and project dissertations.

Courses Taught:

Machine Learning,Data Mining,Python,Cryptography and Network Security,Computer Networks,Artificial Intelligence,Cloud Computing,Operating Systems,Java and J2EE.

Publications/Patents:

Publications	1. A research article title " An Efficient Internet of Things Interoperability Model Using Secure Access Control Mechanism.", published in the journal International Journal of Intelligent Engineering and System with Vol. No 16, Issue No 5 Page No. 41 with Impact factor 0.282 and year of publication October 2023 published by The Intelligent Networks and Systems Society with DOI: 10.22266/ijies2023.1031.05. 2. A research article title "An Interoperability Framework for Enhanced Security of Handheld Devices using IoT-Based Secure Energy Efficient Firefly Optimization Algorithm.", published in the journal International Journalof Computer Networks & Applications (IJCNA) with Vol. No 10 Issue No 5 Page No. 763 with Impact factor 1.33 and year of publication September 2023 published by EverScience Publications with DOI: 10.22247/ijcna/2023/223422. 3. A research article title "MQTT based Secure and Efficient Data Transmission Model for Security Process in IoT Network.", published in the journal Communication and Management Journal with Vol. No 08, Issue No 10 Page No 01 with Impact **factor 0.3** and year of publication October 2023 published by Editions ESKA with DOI:- 10.36896/CMJ2023.V8I10.23.21243. 4. A research article title "Secured Framework for Path-Finding in IoT Devices and QoS over MANET by means of Trust-Based Performance evaluation System.", published in the journal International Journal of All Research Education and Scientific Methods (IJARESM) with Vol. No 12, Issue No 01 Page No 486 with Impact factor 8.536 and year of publication January 2024 published by IJARESM

	Publication. 5. A research article title “Revisiting Security aspects of Internet of Things for Self-Managed Devices”, published in the journal International Research Journal of Engineering and Technology (IRJET)ISSN: 2395-0056, Volume-6 Issue-10, October 2019 published by Fast Track Publications.