

PROFILE

Name	SUNIL KUMAR K N
Position & Affiliation	Assistant Professor, Department of ISE
Areas of Interest	Full-Stack development and Web Technologies, Automata Theory, Compiler Design, Data Structures and Applications
Email	sunil.ise@cambridge.edu.in
LinkedIn ID	https://www.linkedin.com/in/sunilkumarkn/
Google Scholar ID	https://scholar.google.com/citations?hl=en&user=AssA-uIAAAAJ
Orchid ID	https://orcid.org/my-orcid?orcid=0009-0005-9828-7218
Vidwan ID	https://vidwan.inflibnet.ac.in/profile/566352
Scopus ID	-
Professional Webpage (if any)	-

Educational Qualifications:

Ph.D	VTU	India	Pursuing
MTech	RV College of Engineering, VTU	India	2013
BE	Dr. Ambedkar Institute of Technology, VTU	India	2011

Areas of Research:

Artificial Intelligence, Machine Learning, Image Processing

Brief Profile: (write about yourself)

Mr. Sunil Kumar K N is an Assistant Professor in the ISE department with expertise in Full Stack Development, Web Technologies, Algorithms, Data Structures, Machine Learning, and more.

He holds a B.E. in Computer Science from Dr. AIT, an M.Tech in Software Engineering from RVCE, and is pursuing a Ph.D. in VTU at Cambridge Institute of Technology.

With over 10 years of teaching and 3 years of industry experience, he has been with Cambridge Institute of Technology since 2019. His previous roles include teaching at East West Institute of Technology and UVCE.

His research focuses on Image Processing, Machine Learning and Deep Learning, with published papers and ongoing Ph.D. work. He has guided many student projects and actively participates in workshops and faculty development programs.

Add about setting up labs and consultancy (if any)

Guiding students at various levels (BE, MTech and PhD)

Supervised final-year student projects.

Awards/Achievements/Others:

- Received Best Project Guidance Award for "IoT-Based Pollution Monitoring" at the 4th International Conference at EWIT.
- Received a Certificate of Appreciation for achieving a 100% result during the academic year 2021-2022.
- Certified Innovation Ambassador (Foundation Level) by MoE's Innovation Cell & AICTE.
- Received UHV Training Certificate from AICTE.

Courses Taught: Data Structures and Applications, Advanced Web Technologies, Cloud Computing, User Interface Design, Automata Theory and Compiler Design, Full-Stack Development, Analysis and Design of Algorithms, C and C++ Programming, Data Visualization using Python, Advanced Java Programming, UNIX.

Publications/Patents:

Publications	<ul style="list-style-type: none">• Published paper on “Provable Dual Server Public Key Encryption with Keyword Search” in IJARMET.• Published paper on “A New Instance for Dual-server Public Key Encryption with Keyword Search in HBRP Publications.• Published paper on “Blocking Misbehaving Users in Anonymizing Networks” in IJARMET.• Accepted paper on “Analytical Study of Effective Modeling and Simulation Method Used in the Molecular Communication in Antibody Mediated Drug Delivery System” in Gradiva Review Journal.• Presented Paper on “CaneguideX : Smart obstacle Recognition and Voice Assistant for the Blind” in National Conference on ACCRT – 2024 at Cambridge Institute of Technology.• Presented paper on “IOT Based Air and Noise Pollution Monitoring in Urban and Rural Areas” in 4th International Conference ICSTS -2019 at EWIT.• Presented paper on “An Efficient Extraction of Text Objects from Images and Videos in the International Conference ICASE -2017 at EWIT.
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Patents	<p><i>Kindly add the details about the patents granted and published</i></p>
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Book/Book Chapters	-
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Research and Consultancy:

Conducting research on analyzing chest CT findings and differential diagnosis of Mycoplasma pneumoniae pneumonia and its combination with Streptococcal pneumonia in children using deep learning models.