

Faculty Profile

<p>Name : Dr. Lokesh S Designation : Associate Professor Department : Computer Science and Engineering Contact Detail: E-mail : lokesh.sl29@nie.ac.in Phone : 0821-4004900</p>	
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About Me:

Dr. Lokesh S is an Associate Professor in the Department of Computer Science and Engineering at The National Institute of Engineering (NIE), Mysuru. He has extensive experience in teaching, research, and academic administration. His research interests include Wireless Sensor Networks, system software, and other core areas of computer science. He has delivered several technical talks and sessions on system software and related computing topics for students and academic forums.

Dr. Lokesh has actively contributed to institutional administration. He served as the Warden of the Men's Hostel at NIE for five years and is currently serving as the Transportation Officer of the institute. He has also taken charge as In-charge Head of the Department on multiple occasions and is a member of several Board of Studies (BoS) and Board of Examiners (BoE) committees.

He is a Life Member of the Indian Society for Technical Education (ISTE) and is actively involved in research, currently guiding Ph.D. scholars under Visvesvaraya Technological University (VTU).

Qualification:

- Ph.D. in Computer Science and Engineering – Visvesvaraya Technological University (VTU), Belagavi
- M.Tech in Computer Network Engineering
- B.E. in Computer Science and Engineering

Courses Taught:

- Distributed Systems
- System Software
- Object-Oriented Modelling and Design
- Artificial Intelligence and Machine Learning
- Cloud Computing
- Digital Design and Computer Organization
- Computer Organization and Architecture

- Logic Design
- 5G Technology
- Advanced Computer Networks

Publications:

1. Journal Papers

1. A. Aralikatti, J. Appalla, S. Kushal, G. S. Naveen, **S. Lokesh**, and B. S. Jayasri, “Real-time object detection and face recognition system to assist the visually impaired,” *Journal of Physics: Conference Series*, vol. 1706, no. 1, 2020.
2. J. J. Deshpande, M. Gowda, M. Dixit, M. S. Khubbar, B. S. Jayasri, and **S. Lokesh**, “Permissioned blockchain based public procurement system,” *Journal of Physics: Conference Series*, vol. 1706, no. 1, 2020.
3. S. Suhas, **S. Lokesh**, and H. S. Pradeep Kumar, “The evolution of forensic medicine in the digital era: Enhancing evidence collection and analysis,” *International Journal of Medical Toxicology & Legal Medicine*, vol. 27, no. 4, pp. 357–363, 2024.
4. S. Suhas, **S. Lokesh**, H. S. Pradeep Kumar, P. Chaudhry, A. K. Jakkani, and M. Durairaj, “Robust and secure IoT architecture for machine learning-based drug administration in remote healthcare,” *International Journal of Drug Delivery Technology*, vol. 16, no. 4s, pp. 665–675, 2026, doi: 10.25258/ijddt.16.4s.78.

2. Conference Papers

1. D. M. Suraj, V. A. Prasad, **S. Lokesh**, S. G. Hebbale, and V. E. Salis, “Obstacle detection for the visually impaired using Arduino,” in *Proc. Int. Conf. on Trends in Electronics and Informatics (ICOEI)*, 2019.
2. H. S. Govinda, Y. Chandrakant, D. S. Girish, **S. Lokesh**, Ravikiran, and B. S. Jayasri, “Implementation of election system using blockchain technology,” in *Proc. IEEE Int. Conf. on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES)*, 2021.
3. P. Prajwal, D. Prajwal, D. H. Harish, R. Gajanana, B. S. Jayasri, and **S. Lokesh**, “Object detection in self-driving cars using deep learning,” in *Proc. IEEE Int. Conf. on Innovative Computing, Intelligent Communication and Smart Electrical Systems (ICSES)*, 2021.
4. M. N. Acharya, M. V. Reddy, B. S. Jayasri, K. P. Rahul, N. Kumar, and **S. Lokesh**, “COVID-19 safety protocol monitoring system using AI,” in *Proc. Asian Conference on Innovation in Technology (ASIANCON)*, 2021.

Patent:

Dr. Lokesh S is a co-inventor of the patent titled “**Early Detection of Paddy Disease and Severity Based Classification Using Variants of CNN – A Step Towards Smart Agriculture.**” The patent application (No. **202641008121 A**) was published in the **Indian Patent Office Journal on 13 February 2026**. The work focuses on using deep learning techniques for early detection and severity classification of paddy leaf diseases to support smart agriculture.

Ph.D. Scholar Details

1. **Madhu Chandran S** (USN: 4NI24PCS05) – Ph.D. (Part Time), Computer Science and Engineering, The National Institute of Engineering, Mysuru.
Research Topic: *AI Driven Malware Analysis using Machine Learning Algorithms.*
2. **Sangeetha G** (USN: 4NI24PCS09) – Ph.D. (Part Time), Computer Science and Engineering, The National Institute of Engineering, Mysuru.
Research Topic: *Artificial Intelligence in the Discovery of Biomarkers for Brain Disease.*