

Faculty Profile



Name: Dr. Muni Sekhar Velpuru

Designation: Sr. Assistant Professor

Teaching Areas: Computer Programming (C/C++/Python), Data Structures, Design and Analysis of Algorithms; Competitive Programming, Data Visualization with Python, Machine Learning and Deep Learning, Operating Systems, Information Security, Cloud Computing; Web Technologies, Image Processing; Information Retrieval Systems, AI.

Research Interests: AI for education, entrepreneurship education in India, Student employability, Telugu OCR, Image Processing, Data Hiding (Watermarking and Steganography), Information Security, Block Chain, and Machine Learning and Deep Learning applications.

Education:

- Ph.D.- Computer Science and Engineering, Jawaharlal Nehru Technological University Hyderabad (JNTUH), Hyderabad ,2017
- M.Tech. – CSE, National Institute of Technology Karnataka, Surathkal, 2009
- B.Tech. - Information Technology, JNTU, Hyderabad, 2007

Research / Selected Publications:

Publications		Funded Grants	Books/ Chapter		Patents		H-Index
Conferences	Journals	4 (Rs. 59.35 Lakh)	Books	Chapters	Granted	Published	Scopus 4 Google Scholar 8
03: National 27: International	20 International		2	3	2	4	

- Laplacian: Reversible Data Hiding Technique, IEEE ICIIP, 2019 (Scopus & IEEE).
- Comprehensive Study of Deep Learning Based Telugu OCR, IEEE ICSSIT, 2020 (Scopus & IEEE).
- CNN Based Optical Character Recognition and Applications, IEEE ICICT, 2021 (Scopus & IEEE).
- Blockchain-Based Digital Identity Management System for Cybersecurity, Lecture Notes in Electrical Engineering, 2025 (Scopus & Springer).
- End-to-End Delay Analysis for High-Performance Cloud Internet Services, Journal of Internet Services and Information Security, 2025 (Scopus & Q2).
- Wide Residual Quantum Dilated Convolutional Neural Network for Zero-Day Attack Detection, Engineering Applications of Artificial Intelligence, 2025 (SCI & Q1).