

## Faculty Profile

Name	: Dr. Narender M	
Designation	: Associate Professor	
Department	: Computer Science and Engineering	
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### **About me:**

Dr. Narender M is an Associate Professor in the Department of Computer Science and Engineering at The National Institute of Engineering, Mysuru. He received his Ph.D. in Computer Science and Engineering from NIE (VTU) in 2023. His research interests include Cyber Security, Machine Learning, and Computer Networks, with a focus on intrusion detection systems, DDoS attack detection in Software Defined Networks, and AI-driven security solutions.

He has published several research papers in reputed Scopus and Web of Science indexed journals and conferences. Dr. Narender is actively involved in teaching core computer science courses and mentoring student research projects. He is also a member of professional bodies such as IEEE, Computer Society of India, and the Institution of Engineers (India).

### **Qualification:**

- **Ph.D.** (Computer Science & Engineering), VTU – 2023
- **M.Tech** (Computer Engineering), VTU – 2014
- **B.E.** (Information Science & Engineering), VTU – 2012

### **Courses Taught:**

- Data Structures and Applications
- Database Management Systems
- Python Programming
- C Programming
- Web Programming
- Cyber Security
- Cryptography and Network Security
- Object-Oriented Modeling and Design
- Data Structures and Algorithms for Problem Solving
- Web Services

## **Publications (Scopus/WoS Indexed):**

### **Journal Publications**

1. Narender M and Yuvaraju B N, "Preemptive Modelling towards Classifying Vulnerability of DDoS Attack in SDN Environment", International Journal of Electrical and Computer Engineering (IJECE), Vol. No. 10, Issue No. 2, Page No. 1599-1611, April 2020. DOI: <http://doi.org/10.11591/ijece.v10i2.pp1599-1611>
2. Narender M and Yuvaraju B N, "Deep Regularization Mechanism for Combating Class Imbalance Problem in Intrusion Detection System for Defending DDoS Attack in SDN", Journal of Computer Science, Vol. 19, Issue No. 3, Page No. 334-344, February 2023. DOI: <https://doi.org/10.3844/jcssp.2023.334.344>
3. K. P. Suhaas, B. G. Deepa, D. Shashank and M. Narender, "Millets Industry Dynamics: Leveraging Sales Projection and Customer Segmentation", SN Computer Science, Vol:5 Issue No.:1063, November 2024. DOI: <https://doi.org/10.1007/s42979-024-03437-5>
4. Rakesh Kalshetty, N. Vedavathi, M. Narender, C. I. Johnpaul, and Tojo Mathew, "Polycystic Ovary Syndrome Detection Using Contextual Ensemble Network and ELMAN Neural Network with Green Anaconda Optimisation", Journal of Multiscale Modelling, Vol: 15, Issue No: 4, December 2024. DOI: <https://doi.org/10.1142/S1756973724500070>
5. K. Rohitaksha, Annapurna L. Pujari, Shashank Dhananjaya and M. Narender, "A Framework for the Video Surveillance Suspicious Activity Detection", Engineering, Technology & Applied Science Research, Vol: 15, Issue No: 4, June 2025, 25402-25406. DOI: <https://doi.org/10.48084/etasr.11437>
6. Karthik, S.A., Geetha, M.N., Prabhavathi, K., Dhananjaya Shashank, K. P. Suhaas & M. Narender, "Early Detection and Severity Classification of Diabetic Retinopathy Using Convolutional Neural Networks", SN Computer Science, Vol:6 Issue No.:819, September 2025. DOI: <https://doi.org/10.1007/s42979-025-04361-y>
7. Raghavendra K, Sowmya T, Rekha K S, Narender M, Pallavi N R, Apeksha K Gowda, Afshan Zareen, "QoS-aware task offloading in Fog-IoT environment using hybrid deep Q-Learning with Actor-Critic framework", Journal Européen des Systèmes Automatisés, Vol. 58, No. 10, pp. 2167-2175, October 2025. DOI: <https://doi.org/10.18280/jesa.581016>
8. Deepa B.G., Velmurugan R., Narender M., Suhaas K.P , "A data-driven approach to predicting breast cancer recurrence with hybrid machine learning models", Advances in Computational Design, Vol. 11, No. 1, 79-96, January 2026. DOI: <https://doi.org/10.12989/acd.2026.11.1.079>

### **Conference Proceedings**

1. Yuvaraju B N and Narender M, "To Defeat DDoS Attacks in Cloud Computing Environment using Software Defined Networking (SDN)", 9th Computer Science On-line Conference 2020, April 23-26, 2020, Zlin, Czech Republic. DOI: [https://doi.org/10.1007/978-3-030-51965-0\\_7](https://doi.org/10.1007/978-3-030-51965-0_7)

2. Shashank Dhananjaya, Narender M and Sunitha R, "End to End Model to Reduce the Inference, Jamming, and to Increase the Trust from the Compromised Secondary Nodes in Cognitive Radio Networks", 2nd International Conference on Intelligent and Innovative Technologies in Computing, Electrical and Electronics (IITCEE-2024), BNM Institute of Technology, Bengaluru, India, 24 and 25 January 2024. DOI: <https://doi.org/10.1109/IITCEE59897.2024.10467580>
3. Narender M, Abhinav N B, Akhil Kumar P, Girish G M and Vamsi K, "Decentralized Career Development Platform: Leveraging Blockchain for Secure and Transparent Placements" 2025 Third International Conference on Networks, Multimedia and Information Technology (NMITCON), BENGALURU, India, 2025. DOI: <https://doi.org/10.1109/NMITCON65824.2025.11188307>

### **Book Chapters**

1. Yuvaraju B N and Narender M, "To Defeat DDoS Attacks in Cloud Computing Environment using Software Defined Networking (SDN)", in Advances in Intelligent Systems and Computing, Vol. 1224, Springer, Cham, 2020, pp. 73-93. DOI: [https://doi.org/10.1007/978-3-030-51965-0\\_7](https://doi.org/10.1007/978-3-030-51965-0_7)

### **Other Achievements**

#### **Patents Published:**

1. IoT and Artificial Intelligence-Based Smart Farming System using Cloud Computing and Wireless Sensor Network. Application No: **202441016246**

### **Professional Memberships**

- IEEE Member
- Computer Society of India – Life Member
- Institution of Engineers (India) – Life Member

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