Faculty Profile

Name : Dr. Suhaas K P Designation : Associate Professor Department : Information Science and Engineering Contact Details E-mail : suhaaskp@nie.ac.in Phone : 7259725007	

About me: Dr. Suhaas K P is currently serving as an Associate Professor in the Department of Information Science and Engineering. He is actively involved in teaching, research, and academic administration within the institution. His research interests include Computer Networks, Mobile Ad Hoc Networks, Blockchain Technology, and Consensus Mechanisms in Blockchain Systems. He has published several research papers in Scopus-indexed journals. Currently, he is guiding one research scholar in his area of specialization.

Prior to his academic journey, Dr. Suhaas worked with EMC Corporation (currently DELL EMC), deploying code-driven Test Automation in product based Testing environment and integrating code on secure remote machines/systems and automating of the procedure involved in testing of a cloud-based product.

He possesses extensive technical expertise in DevOps and cloud-based development environments, with hands-on experience in tools and platforms such as Git, Maven, Tomcat, SonarQube, Nexus, Jenkins, Ansible, Amazon Web Services (AWS), Docker, and Kubernetes. His work integrates modern software engineering practices with distributed systems and cloud technologies

Beyond teaching and research, he has served the institution in various academic and administrative capacities. At present, he holds the position of Deputy Controller of Examinations, where he contributes to the effective management and conduct of academic evaluation processes. He is also an active member of several institutional committees, participating in academic planning, quality assurance, and administrative activities

Qualification:
B.E., M.Tech., Ph.D

Courses Taught:
- Blockchain Technology
- Object oriented Programming with Java
- Cryptography and Network Security
- Python Programming
- Advanced Computer Architecture
- Software Engineering

Publications:

Journal Publications

1. B. G. Deepa, C. K. Lokesh, D. Umamaheswari, B. Ayshwarya, P. V. Yethish, and **K. P. Suhaas**, "An enhanced deep learning framework for DeepFake detection using EfficientNet-B3 comparative evaluation of deep and machine learning techniques," *Discover Computing*, vol. 29, no. 1, Jan. 2026, doi: 10.1007/s10791-025-09890-x.

2. S. Patel, **K. P. Suhaas** *et al.*, "Medical image encryption using plaintext-associated key generation and Chaotic Skew Tent Map - based confusion-diffusion framework," *Journal of Integrated Science and Technology*, vol. 14, no. 1, p. 1506, Dec. 2025, doi: 10.62110/sciencein.jist.2026.v14.1506.

3. R. K. S, **K. P. Suhaas** *et al.*, "A Blockchain-Enabled GNN framework for secure routing in IoT networks," *International Journal of Safety and Security Engineering*, vol. 15, no. 9, Sep. 2025, doi: 10.18280/ijsse.150911.

4. S. A. Karthik, M. N. Geetha, K. Prabhavathi, D. Shashank, **K. P. Suhaas**, and M. Narender, "Early detection and severity classification of diabetic retinopathy using convolutional neural networks," *SN Computer Science*, vol. 6, no. 7, Sep. 2025, doi: 10.1007/s42979-025-04361-y.

5. K. V. Sudheesh, J. Metan, **K. P. Suhaas**, M. Mathapati, H. S. R. Kumar, and S. Nandini, "AI-Techniques for Re-Identification Attacks on De-Identified Smartwatch Health Data," *SN Computer Science*, vol. 6, no. 6, Aug. 2025, doi: 10.1007/s42979-025-04282-w.

6. V. C. P, **K. P. Suhaas** *et al.*, "Supervised Machine Learning Evaluation for Patient-Specific and Non-Patient-Specific Epileptic Seizure Detection with Multichannel Scalp EEG," *SN Computer Science*, vol. 6, no. 6, Jul. 2025, doi: 10.1007/s42979-025-04223-7.

7. K. H. D, **K. P. Suhaas** *et al.*, "Privacy-Preserving IoT Framework with Federated Learning and Lightweight NLP Integration," *Journal Européen Des Systèmes Automatisés*, vol. 58, no. 5, May 2025, doi: 10.18280/jesa.580509.

8. M. S. Lavanya, V. Arun, M. Tapkire, and **K. P. Suhaas**, "Transfer Learning based Facial Emotion recognition," *SN Computer Science*, vol. 6, no. 1, Dec. 2024, doi: 10.1007/s42979-024-03523-8.

9. **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, no. 8, Nov. 2024, doi: 10.1007/s42979-024-03437-5.

10. A. Raj, K. Sadhana, and **K. P. Suhaas**, "A Novel Multi-Modal Approach that Fuses Dermoscopic Images with Thermal Imaging in Pre-Emptive Identification of Diabetic Foot Ulcers (DFUs)," *SN Computer Science*, vol. 5, no. 8, Nov. 2024, doi: 10.1007/s42979-024-03439-3.

11. **S. K. Prashanth** and S. Senthil, "Stochastic-Reinforcement learning assisted dynamic power management model for Zone-Routing protocol in mobile ad hoc networks," *Wireless Personal Communications*, vol. 120, no. 1, pp. 203–230, Apr. 2021, doi: 10.1007/s11277-021-08448-6.

Conference Proceedings

1. N. Sneha, C. K. Lokesh, R. Ranjan, A. Kumar, and **K. P. Suhaas**, *Poshane Vishleshane: Analysis of Nutrition Status of Anganwadi Children and Lactating Women using Machine Learning*. 2025, pp. 1–6. doi: 10.1109/icwite64848.2025.11307077.

Book Chapters

1. **K. P. Suhaas**, S. Senthil, and B. G. Deepa, "A novel approach to optimize power utilization and scheduling in dynamic networks through generative adversarial network-based prediction of network parameters," in Quantum Generative Adversarial Networks: GANs, Semi-Supervised GANs, Variational Autoencoders, Walter de Gruyter GmbH & Co KG, 2025, pp. 103–122. doi: 10.1515/9783111354934-006.

2. B. G. Deepa, S. Senthil, **K. P. Suhaas**, L. Poshith, and S. S. Shashank, "Adversarial networks in image generation: A detailed approach to manage datasets and to analyze discriminator and generator losses using GANs," in *Quantum Generative Adversarial Networks: GANs, Semi-Supervised GANs, Variational Autoencoders*, Walter de Gruyter GmbH & Co KG, 2025, pp. 137–162. doi: 10.1515/9783111354934-008.

3. **K. P. Suhaas** and S. Senthil, "A Robust Communication Strategy for Inter-Cloud Networking Environment through Augmented Network-Aware and Multiparameter Assistance," in *EAI/Springer Innovations in Communication and Computing*, 2021, pp. 159–173. doi: 10.1007/978-3-030-74402-1_9.

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