Faculty Profile

Name : Dr. Naresh Kumar

Designation : Professor

Qualifications : Ph. D.

Phone :

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Area of Interest/Specialization: Web Technologies

Experience : 16+ years

Key Publications

1. Kumar, N. Intelligent customer segmentation: unveiling consumer patterns with machine learning. J. Umm Al-Qura Univ. Eng.Archit. 16, 774–783 (2025).
2. Kumar, N., Kundu, A. Cyber Security Focused Deepfake Detection System Using Big Data. SN COMPUT. SCI. 5, 752 (2024).
3. Kumar, N., Manzar, J., & Garg, S. (2023). Underwater Image Enhancement using deep learning. *Multimedia Tools and Applications*, 1-21, 2023.
4. N. Kumar et al., "Automated Deep Transfer Learning-Based Approach for Detection of COVID-19 Infection in Chest X-rays", in IRBM Elesvier, 1959-0318, July 2020.
5. N. Kumar et al."Efficient automated disease diagnosis using machine learning models", in Journal of Healthcare Engineering, 2040 -2295, pp.1-13, 2021.
6. N. Kumar et al., "Meta-heuristic based deep COVID-19 screening model from chest x-ray images", Advancements in Computational Model-based Medical Image Analysis, 2040 – 2295, 2021.
7. N. Kumar et al. " NSGA-III based deep learning model for biomedical search engines", Mathematical Problems in Engineering, 1563-5147, pp. 1-8, 2021.
8. N. Kumar, et al., Novel deep transfer learning model for COVID-19 patient detection using X-ray chest images, in Journal of Ambient Intelligence and Humanized Computing, 1868- 5137 / 1868-5145, 1 May 2021.
9. N. Kumar et al., "Emerging technologies and trends in cloud computing", Compusoft, Vol. 8(6), pp. 3146–3149, 2019.
10. N. Kumar et al. "An improved crawler based on efficient ranking algorithm", International Journal of Advanced Trends in Computer Science and Engineering, Vol 8(2), pp. 119– 125, 2019.
11. N. Kumar et al., "Research on mechanism and challenges in meta search engines" International Journal of Innovative Technology and Exploring Engineering, Vol 8(9 Special Issue 2), pp. 281–284, 2019.

12. N. Kumar et al. EGCrypto: A Low-Complexity Elliptic Galois Cryptography Model for Secure Data Transmission in IoT. *IEEE Access*, pp. 90739 – 90748, 2023.

13. N. Kumar et al., "Border surveillance using face recognition, mobile OTP and email", IIUMengineering journal, Vol 21(2), pp.143–152, 2020.

Papers presented in Conferences

S. No	Title	Conference Name
1	Leveraging Natural Language Processing and Machine Learning for Efficient Fake News Detection	3rd International Conference on Technological Advancements in Computational Sciences (ICTACS), Tashkent, Uzbekistan.
2	Evaluation of Search Engine Optimization Based on Blockchain Technology	3rd International Conference on Technological Advancements in Computational Sciences (ICTACS), Tashkent, Uzbekistan.
3	Reduction of Load on Network using Compression Technique with Web Crawler	7th International Conference on Advances in Computer Sciences, Software Solutions, E-Learning, Information & Communication Technology
4	A Survey on Reduction of load on the Network	\Advances in Intelligent System and Computing by Springer International Publishing house
5	Implementation and Analysis of PR, WPR and WPR with Similarity	International Conference on Advanced Computing and Communication Technologies
6	A Novel Architecture for Parallel Crawler based on Focused Crawling	6th Multi-Conference on Intelligent Systems, Sustainable, New and Renewal Energy Technology & Nanotechnology
7	An Approach for Page Organization Using Clustering, Ranking and Cluster Representative	International Conference on Emerging Trends in Engineering and Technology
8	Analogy Among Various Webpage Ranking Algorithms	5th International Conference on "Computing for Sustainable Global Development
9	Survey on Crawling Techniques	5th International Conference on "Computing for Sustainable Global Development

Memberships of Professional bodies: ISTE