

Faculty Profile

Name : Divya
Designation : Assistant Professor
Qualifications : M.Tech., PhD
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Email : divyajatain@msit.in
Area of Interest/Specialization:
Experience : 11+ years



Key Publications

1. D. Jatain, V. Singh, and N. Dahiya, “A contemplative perspective on federated machine learning: Taxonomy, threats & vulnerability assessment and challenges,” Journal of King Saud University - Computer and Information Sciences, no. June, 2021, <https://doi.org/10.1016/j.jksuci.2021.05.016>
2. D. Jatain, V. Singh, and N. Dahiya, “Blockchain Base Community Cluster-Federated Learning for Secure Aggregation of Healthcare Data,” Procedia Computer Science, vol. 215, pp. 752–762, 2022, <https://www.sciencedirect.com/science/article/pii/S1877050922021482>
3. Divya Jatain, V. Singh, and N. Dahiya, “A multi-perspective micro-analysis of popularity trend dynamics for user-generated content,” Social Network Analysis and Mining, vol. 12, no. 1, p. 147, Oct. 2022, <https://link.springer.com/article/10.1007/s13278-022-00969-7>
4. D. Jatain, V. Singh, and N. Dahiya, “An exploration of the causal factors making an online course content popular & engaging,” International Journal of Information Management Data Insights, vol. 3, no. 2, p. 100194, 2023, <https://www.sciencedirect.com/science/article/pii/S2667096823000411>
5. Jatain D, Singh V. (2023) An Approach for Aspect Extraction Using Double Embedding Technique based Machine Learning Model. Indian Journal of Science and Technology. 16(19): 1408-1412, <https://doi.org/10.17485/IJST/v16i19.62>

Papers presented in Conferences

1. A Novel Approach for Predicting the Popularity of User-created Content Using Geographic-Economic and Attention Period Features” is presented in International Conference on Artificial Intelligence and Applications 2020.
2. A Novel Community Cluster Federated Machine Learning Method for Secure & Private Survival Rate Prediction of (COVID-19) Patients” is presented in International Conference on Integration of Advanced Technologies for Industry 4.0” , KGC College of Technology.

3. Computational Intelligence Techniques for Big Data Analytics: A Contemplative Perspective, International Conference on Recent Innovations in Computing-ICRIC2021, Central University of Jammu.

Awards and Recognitions

1. Letter of Appreciation for excellent results in three consecutive Academic Sessions in May 2016.
2. Letter of Appreciation for sharing knowledge and insights on IoT & its Application Areas under the aegis of five days lecture series from 18th Dec.,2017 to 22nd Dec., 2017.
3. Certificate of Recognition as MyNEP Ambassador for the contribution towards promoting the National Education Policy 2020.

Patent/Copyright

1. Compact Electronic Single Braille Cell Display Device, Patent no. 444157, Indian Patent Office, 2023.

Sponsored Project/Consultancy

1. N.A.

Book Chapter/Books published

- 1.
- 2.

Ph.D Supervised N.A.

Memberships of Professional bodies

1. Life member of Indian Society of Technical Education.

Other Contributions

1. Convener of E-cell MSIT during 2016-17.
2. Placement Co-ordinator at the Institute level during Aug 2019-Aug 2021.