Dr. Ahsan Hussain

Assistant Professor (CSE), IUST, Kashmir.
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Research interests:
- BlockChain
- Social Media Mining
- Data Mining
- Machine Learning
- Social Network Security

Academics	University
B.E. in CSE	University of Kashmir.
M. Tech. in IT	RGTU, MP.
Ph. D in CSE	NIT Goa

Work experience	Duration
Rungta CET, Bhilai, C.G.	3 years
Delhi Business School, JK	0.5 years
IUST, Awantipora, JK	Since Mar 2018

Research Work:

1. Worked as the **Principal Investigator** on the research project funded by *JKST&IC, Department of Science and Technology*, under Grant **(JKST&IC/SRE/J/374-77)** for *Blockchain University: an immutable e-learning assessment platform using blockchain*, at the department of Computer Science and Engineering, Islamic University of Science and Technology, Kashmir, India.

2. Worked on the research work funded by *SERB, MHRD*, under Grant **(EEQ/-2016/000413)** for *Secure and Efficient Communication inside Partitioned Social Overlay Networks* project, at National Institute of Technology Goa, Ponda, India (PhD work).

List of recent publications:

3. Blockchain Based Academic Credit Verification System, by Rabia Nazir, **Ahsan Hussain,** Zubair A Shah, Maria A Wani, in *International Journal of Engineering Research in Computer Science and Engineering,* 9(12): 59-61, 2022.

4. Acute Lymphoblastic Leukemia Detection in Microscopic Cell Images using Deep Learning Models, by **Ahsan Hussain,** Asif A Banka, Zubair A Shah, Hammad Ul Eaman Mir, *International Journal of All Research Education and Scientific Methods,* 9(21):1942-1948, 2021.

5. Blockchain as an indispensable asset for educational institutions: A systematic review, by Rabia Nazir, **Ahsan Hussain,** Zubair A Shah, in *International Journal of Electronic Security and Digital Forensics,* 2023 **(Inder Science, Scopus Indexed, *in press*)**.

6. An enhanced communication mechanism for partitioned social overlay networks using modified multi-dimensional routing, by **Ahsan Hussain,** Bettahally N. Keshavamurthy, *Cluster Computing,* 22: 13547–13558, 2018. *(Springer, SCI Indexed, I.F. 3.4).*

7. A multi-dimensional routing based approach for efficient communication inside partitioned social networks, by **Ahsan Hussain,** Bettahally N. Keshavamurthy, *Peer-to-Peer Networking and Applications,* 12 (4): 830-849, 2019. *(Springer, SCIE Indexed, I.F. 2.8).*

8. Accurate Location Prediction of Social-users using mHMM, by **Ahsan Hussain,** Bettahally N. Keshavamurthy, Ravi Prasad K. Jagannath, *Intelligent Automation and Soft Computing*, 25 (3): 473–486, 2018. *(Taylor and Francis, SCI Indexed, I.F. 1.27).*

9. Dynamic Multi-Layer Ensemble Classification Framework for Social Venues using Binary Particle Swarm Optimization, by **Ahsan Hussain,** Bettahally N. Keshavamurthy, Ramalingaswamy Cheruku, *Wireless Personal Communications,* 105: 1491-1511, 2019. *(Springer, SCI Indexed, I.F. 1.1).*

10. A Novel Multi-Layer Ensemble Approach for Location Classification of Social Users, by **Ahsan Hussain,** Bettahally N. Keshavamurthy, Seema Wazarkar, *International Journal of Web Services Research,* 16 (2): 47-64, 2019. *(IGI, SCI Indexed, I.F. 0.87).*

11. Probabilistic Classifier for Fashion Image Grouping using Multi-layer Feature Extraction Model, by Seema Wazarkar, Bettahally N. Keshavamurthy, **Ahsan Hussain,** *International Journal of Web Services Research,* 15 (2): 89-104, 2018. *(IGI, SCI Indexed, I.F. 0.87).*

12. Adaptive Image De-Noising Model Based on Multi-Wavelet with Emphasis on Pre-Processing, by Shubhra Soni and **Ahsan Hussain,** *International Journal of Computer Science and Mobile Computing,* 3(6): 266-274, 2014.

13. A Practical Approach for Determination of Human Gender & Age, by Harpreet Kaur Bhatia and **Ahsan Hussain,** *International Journal of Computer Science and Mobile Computing,* 3(6): 816-824, 2014.

14. Analyzing Online Location Based Social Networks for Malicious User Detection, by **Ahsan Hussain,** Bettahally N. Keshavamurthy, in *Proceedings of 5th International Conference on Advanced Computing, Networking, and Informatics, Springer,* 01-03 June 2017, NIT Goa, India.

15. An Efficient Approach for Classifying Social Network Events using Convolution Neural Networks, by **Ahsan Hussain,** Bettahally N. Keshavamurthy, Seema Wazarkar, in *Proceedings of 1st International Conference on Data and Information Sciences, Springer,* 17-18 November 2017, IGNTU, MP, India.

16. Region-based Segmentation of Social Images Using Soft KNN Algorithm, by Seema Wazarkar, Bettahally N. Keshavamurthy, **Ahsan Hussain,** *Procedia Computer Science,* 125: 93-98, 2018. *(Elsevier, Scopus Indexed).*

17. An Application of Eigen Vector in Back Propagation Neural Network for Face expression Identification, by **Ahsan Hussain,** Shrikant Lade and Vijay Bhandari, in *Proceedings of International Conference on Advances in Computer Engineering, ACE-2011,* Kerela, India. 02.ACE.2011.02.137