

LIST OF PUBLICATIONS

Refereed Journal Papers

- **Ashish Gupta**, H. P. Gupta, B. Biswas, and T. Dutta, “An early classification approach for multivariate time series of on-vehicle sensors in transportation,” *IEEE Transactions on Intelligent Transportation Systems*, vol. 21, no. 12, pp. 5316-5327, 2020.
- **Ashish Gupta**, H. P. Gupta, B. Biswas, and T. Dutta, “A Divide-and-Conquer Based Early Classification Approach for Multivariate Time Series with Different Sampling Rate Components in IoT,” *ACM Transactions on Internet of Things*, vol. 1, no. 2, pp. 1-21, 2020.
- **Ashish Gupta**, H. P. Gupta, B. Biswas, and T. Dutta, “Approaches and Applications of Early Classification of Time Series: A Review,” *IEEE Transactions on Artificial Intelligence*. vol. 1, no. 1, pp. 47-61, 2020.
- **Ashish Gupta**, H. P. Gupta, B. Biswas, and T. Dutta, “A fault-tolerant early classification approach for human activities using multivariate time series,” *IEEE Transactions on Mobile Computing*, pp. 1-14, 2020.
- **Ashish Gupta**, H. P. Gupta, B. Biswas, and T. Dutta, “An Unseen Fault Classification Approach for Smart Appliances using Ongoing Multivariate Time Series,” *IEEE Transactions on Industrial Informatics*, pp. 1-8, 2020.

Refereed Conference Papers

- **Ashish Gupta**, R. Pal, R. Mishra, H. P. Gupta, T. Dutta, and P. Hirani, “Game theory based early classification of rivers using time series data,” in *Proceedings of IEEE WF-IoT*, 2019, pp. 686-691.

Refereed Conference Posters

- **Ashish Gupta**, H. P. Gupta, T. Dutta, and S. K. Das, “Poster Abstract: Towards Identifying Alien Appliances using Semantic Information,” in *Proceedings of ACM BuildSys*, 2020, pp. 28-29.
- **Ashish Gupta**, H. P. Gupta, and T. Dutta, “Early classification approach for multivariate time series using sensors of different sampling rate,” in *Proceedings of IEEE SECON*, 2019, pp. 1-2.

Refereed Doctoral Symposium

- **Ashish Gupta**, H. P. Gupta, and B. Biswas, “Early Classification Approaches for Sensors Generated Multivariate Time Series with Different Challenges,” in *Proceedings of ICDCN*, 2021, pp. 1-2.

Papers Under Review

- **Ashish Gupta**, H. P. Gupta, T. Dutta, and S. K. Das, “Household Appliance Recognition using Electricity Usage Patterns in Presence of Noisy Labels: A Deep Learning Approach,” in Conference.

Open Dataset

- **Ashish Gupta**, H. P. Gupta, T. Dutta, R. Mishra, and R. Kumar, “Accelerometer, Gyroscope, and Magnetometer Sensors based Data for Recognizing Handwritten Digits”, *IEEE Dataport*, 2020.

National/International Projects

- “Development of an Energy-efficient Wireless Sensor Network for Precision Agriculture”, National SERB project, file number ECR/2016/000406/ES.
 - **Ashish Gupta**, H. P. Gupta, P. Kumari, R. Mishra, S. Saraswat, and T. Dutta, “A Real-time Precision Agriculture Monitoring System using Mobile Sink in WSNs”, in *Proceedings of IEEE ANTS*, 2018, pp. 1-5.
 - M. Agrawal, K. Manchanda, A. Agarwal, S. Saraswat, **Ashish Gupta***, H. P. Gupta, and T. Dutta, “A Supervised Approach-based Job Scheduling Technique for Distributed Real-Time Systems”, in *Proceedings of IEEE ANTS*, 2018, pp. 1-6.
 - *Contribution: Paper writing