

































- [4] Chen, Q.; Wang, W.; Huang, K.; De, S.; Coenen, F. (2021). Multi-Modal Generative Adversarial Networks for Traffic Event Detection in Smart Cities. *Expert Systems with Applications*, **177**, pp. 114939.
- [5] Chen, Y.; Jin, H. (2019). Rare Sound Event Detection Using Deep Learning and Data Augmentation. In *Interspeech* pp. 619-623.
- [6] Dabiri, S.; Heaslip, K. (2019). Developing A Twitter-Based Traffic Event Detection Model Using Deep Learning Architectures. *Expert Systems with Applications*, **118**, pp. 425-439.
- [7] Fernando, T.; Denman, S.; Sridharan, S.; Fookes, C. (2018). Soft + Hardwired Attention: An LSTM Framework for Human Trajectory Prediction and Abnormal Event Detection. *Neural Networks*, **108**, 466-478.
- [8] Granat, J.; Batalla, J.; Mavromoustakis, C.; Mastorakis, G. (2020). Big Data Analytics for Event Detection in the Iot-Multicriteria Approach. *IEEE Internet of Things Journal*, **7**(5), pp. 4418-4430.
- [9] Kidziński, Ł.; Delp, S.; Schwartz, M. (2019). Automatic Real-Time Gait Event Detection in Children Using Deep Neural Networks. *PLOS ONE*, **14**(1), e0211466.
- [10] Liu, A.; Shao, Z.; Wong, Y.; Li, J.; Su, Y.; Kankanalli, M. (2017). LSTM-Based Multi-Label Video Event Detection. *Multimedia Tools and Applications*, **78**(1), pp. 677-695.
- [11] Lohithashva, B.; Manjunath Aradhya, V.; Guru, D. (2020). Violent Video Event Detection Based On Integrated LBP And GLCM Texture Features. *Revue d'Intelligence Artificielle*, **34**(2), pp. 179-187.
- [12] Lu, C.; Shi, J.; Wang, W.; Jia, J. (2018). Fast Abnormal Event Detection. *International Journal of Computer Vision*, **127**(8), pp. 993-1011.
- [13] Pouyanfar, S.; Chen, S. (2017). Automatic Video Event Detection for Imbalance Data Using Enhanced Ensemble Deep Learning. *International Journal of Semantic Computing*, **11**(01), pp. 85-109.
- [14] Qu, S.; Guan, Z.; Verschuur, E.; Chen, Y. (2020). Automatic High-Resolution Microseismic Event Detection via Supervised Machine Learning. *Geophysical Journal International*, **222**(3), pp. 1881-1895.
- [15] Rangasamy, K.; As'ari, M.; Rahmad, N.; Ghazali, N. (2020). Hockey Activity Recognition Using Pre-Trained Deep Learning Model. *ICT Express*, **6**(3), 170-174.
- [16] Roy, V.; Noureen, S.S.; Bayne, S.B.; Bilbao, A.; Giesselmann, M. (2018). Event detection from pmu generated big data using r programming. In *2018 IEEE Conference on Technologies for Sustainability (SusTech)* pp. 1-6.
- [17] Singhal, S.; Shah, R.R.; Chakraborty, T.; Kumaraguru, P.; Satoh, S.I. (2019). Spofake: A multi-modal framework for fake news detection. In *2019 IEEE fifth international conference on multimedia big data (BigMM)* pp. 39-47.
- [18] Sun, J.; Shao, J.; He, C. (2017). Abnormal Event Detection for Video Surveillance Using Deep One-Class Learning. *Multimedia Tools and Applications*, **78**(3), pp. 3633-3647.
- [19] Tippaya, S.; Sitjongsataporn, S.; Tan, T.; Khan, M.; Chamnongthai, K. (2017). Multi-Modal Visual Features-Based Video Shot Boundary Detection. *IEEE Access*, **5**, pp. 12563-12575.
- [20] Zhou, H.; Yin, H.; Zheng, H.; Li, Y. (2020). A Survey on Multi-Modal Social Event Detection. *Knowledge-Based Systems*, **195**, pp. 105695.

## Authors Profile



**K Swapnika** pursuing Ph. D in Data Mining and Information Retrieval Systems stream at Jawaharlal Nehru Technological University, Hyderabad Hyderabad, she completed M. Tech in Software Engineering from Jawaharlal Nehru Technological University Hyderabad and has 8 years of academic experience. Her Research Interest includes Information Retrieval Systems and Bigdata Analytics.



**Dr. D. Vasumathi** is a Professor and HOD of Computer Science and Engineering Department in JNTUH College of Engineering, J. N. T. University, and Hyderabad. She has completed her PhD at J. N. T. University, Hyderabad in 2011 and has more than 20 years of experience in Teaching and Research. She is guiding 09 PhD scholars in Computer Science and Engineering and she is also Vice-President of National ST Employees and Officers Welfare Association (NST & OWA), and General Secretary for Teaching Association (NECTA), in JNTUH college of Engineering. She is Finance Secretary for both TS & AP States Tribal Development Association, TDA- Hyderabad.