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List of publications

Journals

1. **Hijam, D.**, and Saharia, S., "On developing complete character set meitei mayek handwritten character database", *The Visual Computer (Springer)*, Vol. 38, pp. 525–539 (2022). DOI: 10.1007/s00371-020-02032-y.

2. **Hijam, D.**, and Saharia, S., "A multilevel recognition of Meitei Mayek handwritten characters using fusion of features strategy", *The Visual Computer (Springer)*, Vol. 40, pp. 211–225 (2024). DOI: 10.1007/s00371-023-02776-3.

3. **Hijam, D.**, and Saharia, S., "Zone and rule assisted recognition of Meitei-Mayek handwritten characters", *Evolutionary Intelligence (Springer)* (Accepted).

4. **Hijam, D.**, and Saharia, S., "A fusion of deep and handcrafted feature descriptors for handwritten character recognition", *IETE Journal of Research (Taylor & Francis)* (Communicated).

5. **Hijam, D.**, and Saharia, S., "Incorporating language model with CNN for handwritten character recognition", *Journal of Experimental & Theoretical Artificial Intelligence (Taylor & Francis)* (Communicated).

Book Chapters

6. **Hijam, D.**, and Saharia, S., "Convolutional neural network based meitei mayek handwritten character recognition," *In International Conference on Intelligent Human Computer Interaction*, Springer, Cham.; pp. 207-219, 2018, DOI: 10.1007/978-3-030-04021-5_19.

7. **Hijam, D.**, and Saharia, S., "Comparative study of different classification models on benchmark dataset of handwritten meitei mayek character," *In*

International Conference on Intelligent Computing and Smart Communication 2019, Springer, Singapore; pp. 61-71, 2020, DOI: 10.1007/978-981-15-0633-8_7.

8. **Hijam, D.**, and Saharia, S., "Transfer Learning of Pre-trained CNN Models for Meitei Mayek Handwritten Character Recognition," *In International Conference on Intelligent Computing, Communication and Information Security*, Springer, Singapore; 2023, DOI: /10.1007/978-981-99-1373-2_22.

Conferences/Workshops

9. **Hijam, D.**, Saharia, S. and Nirmal, Y., "Towards a complete character set Meitei Mayek handwritten character recognition", *In 2018 Fourth International Conference on Computing Communication Control and Automation (ICCUBEA)*, (pp. 1-5). IEEE, 2018, DOI: 10.1109/ICCUBEA.2018.8697590.