



MR. TANMOY KANTI HALDER

PROFILE

EMAIL ID

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DATE OF JOINING

2016

DESIGNATION

ASSISTANT PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE

QUALIFICATION

- **2011-2013** - M.E. in Computer Science and Engineering from Jadavpur University.
- **2007-2011** - B.Tech. in Computer Science and Engineering from West Bengal University of Technology (Now MAKAUT).

WORK EXPERINCE

2016-Continued- Assistant Professor in Computer Science in P. D. Women's College, Jalpaiguri, West Bengal

2013-2016 – Programmer Analyst in Cognizant Technology Solutions Corp. (CTS).

RESEARCH INTEREST

Mobile Ad-Hoc Network (MANET), Soft Computing, Machine Learning, Deep Neural Network, Medical Image Processing.

LIST OF PUBLICATION

1. **Halder, T. K.**, Sarkar, K., Mandal, A., & Biswas, S. K. (2023). A robust head MRI/CT background removing approach using dynamic morphological operations. In Proceedings of the Indian National Science Academy (Vol. 89, Issue 3, pp. 673–688). Springer Science and Business Media LLC. <https://doi.org/10.1007/s43538-023-00175-9>

2. **Halder, T. K.**, Sarkar, K., Mandal, A., & Sarkar, S. (2022). A novel histogram feature for brain tumor detection. In *International Journal of Information Technology* (Vol. 14, Issue 4, pp. 1883–1892). Springer Science and Business Media LLC. <https://doi.org/10.1007/s41870-022-00917-w>
3. Sarkar, K., **Halder, T. K.**, Mandal, A., Biswas, P., Aryal, S., Kundu, B., & Chakraborty, P. (2022). An analysis on SVM and BPNN for CT Patient Table Detection using Distance-verses-angle Signature Feature. In *2022 International Conference on Innovations in Science, Engineering and Technology (ICISSET)*. 2022 International Conference on Innovations in Science, Engineering and Technology (ICISSET). IEEE. <https://doi.org/10.1109/iciset54810.2022.9775851>
4. Baruri, R., **Halder, T. K.**, & Das, A. (2022). An Empirical Study on Graph-Based Clustering Algorithms Using Schizophrenia Genes. In *Lecture Notes in Electrical Engineering* (pp. 87–106). Springer Nature Singapore. https://doi.org/10.1007/978-981-19-0840-8_7
5. Sarkar, K., **Halder, T. K.**, & Mandal, A. (2020). Adaptive power-law and CDF based geometric transformation for low contrast image enhancement. In *Multimedia Tools and Applications* (Vol. 80, Issue 4, pp. 6329–6353). Springer Science and Business Media LLC. <https://doi.org/10.1007/s11042-020-10004-6>
6. Mandal, A., Sarkar, K., **Halder, T. K.**, (2018). A Comparative Analysis Of Clustering Based Brain Tumor Segmentation Techniques. *IOSR Journal of Engineering (IOSRJEN)* (vol. 08, no. 8, 2018, pp. 58-65). https://iosrjen.org/Papers/vol8_issue8/Version-1/H0808015865.pdf
7. Bar, R. K., Mandal, J. K., **Halder, T. K.**, & Mukhopadhyay, S. (2018). Extending Lifetime of a Network by Load Sharing in AODV Routing Protocol. In *Social Transformation – Digital Way* (pp. 107–112). Springer Singapore. https://doi.org/10.1007/978-981-13-1343-1_12
8. **Halder, T. K.**, Chowdhury, C., & Neogy, S. (2014). Power Aware AODV Routing Protocol for MANET. In *2014 Fourth International Conference on Advances in Computing and Communications*. 2014 Fourth International Conference on Advances in Computing and Communications (ICACC). IEEE. <https://doi.org/10.1109/icacc.2014.84>