

Rasel Ahmmed

Assistant Professor, Dept. of EEE

BSMRSTU, Gopalganj-8100, Bangladesh

Publications:

1. Farjana Imam, Sandipa Biswas, Md. Shahjahan, Halima Khatun, **Rasel Ahmmed** & Abdullah Al-Mamun Bulbul, "Design and numerical analysis of a dispersion-flattened fabrication-friendly PCF-based THz waveguide", *Journal of Optics*, October Issue, pp. 1-9, October, 2021
<https://link.springer.com/article/10.1007/s12596-021-00782-z>
2. Md. Asadur Rahman, Mazhar Hossain, Md. Foisal Hossain, and **Rasel Ahmmed** "Employing PCA and t-Statistical Approach for Feature Extraction and Classification of Emotion from Multichannel EEG Signal", *EGYPTIAN Informatics Journal*, vol 21(1), pp 23-25, March, 2020 (SCIE, impact factor 3.943)
<https://www.sciencedirect.com/science/article/pii/S1110866519301720>
3. Tasnuva Tabassum, Md. Asadur Rahman, Anup Kumar Paul, and **Rasel Ahmmed**, "A Narrative Analysis on Deep Learning in IoT based Medical Big Data Analysis with Future Perspectives", Proceedings of International Conference on Electrical, Computer and Communication Engineering (ECCE-19), pp. 1-6, February 7-9, 2019, CUET, Cox's Bazar, Bangladesh, 2019. (IEEE conference)
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4. Md. Asadur Rahman, Md. Shajedul Islam Shohag, **Rasel Ahmmed**, Md. Mahmudul Haque, Anika Anjum, " Defined Limited Fractional Channel Scheme for Call Admission Control by Two-Dimensional Markov Process based Statistical Modeling ", *Advances in Science, Technology and Engineering Systems Journal*, vol. 3, issue. 4, pp. 295-307, USA, 2018. <https://astesj.com/v03/i04/p30/> (Scopus Indexed Journal)
5. **Rasel Ahmmed**, Md. Asadur Rahman, and Md. Foisal Hossain, " An Advanced Algorithm Combining SVM and ANN Classifiers to Categorize Tumor with Position from Brain MRI Images", *Advances in Science, Technology and Engineering Systems Journal*, vol. 3, issue. 2, pp. 40-48, USA, 2018. <https://astesj.com/v03/i02/p05/> (Scopus Indexed Journal)

6. **Rasel Ahmmed**, Md. Asadur Rahman, Md. Foisal Hossain ,”Fuzzy Logic Based Algorithm to Classify Tumor Categories with Position from Brain MRI Images”, Proceedings of International Conference on Electrical, Information, Communication & Technology (EICT-17), pp. 1-6, December 7-9, 2017, KUET, Khulna, Bangladesh, 2017. <http://ieeexplore.ieee.org/document/8275232/>
7. **Rasel Ahmmed**, Anirban Sen Swakshar, Md. Foisal Hossain, and Md. Abdur Rafiq, “Classification of Tumors and It Stages in Brain MRI Using Support Vector Machine and Artificial Neural Network”, Proceedings of International Conference on Electrical, Computer and Communication Engineering (ECCE-17), pp. 229-234, February 16-18, 2017, CUET, Cox’s Bazar, Bangladesh, 2017. <http://ieeexplore.ieee.org/document/7912909/>
8. Rezaur Rahman Reza, **Rasel Ahmmed**, Md. Foisal Hossain and Masud An Nur Islam Fahim, “A Watermarking Scheme Based on Interpolation and Cellular Automata”, International Conference on Engineering Research , Innovation and Education 2017(ICERIE 2017), pp. 61, 13– 15 January, SUST, Sylhet, Bangladesh, 2017.
9. **Rasel Ahmmed** and Md. Foisal Hossain, “A Novel Approach for Tumor Stages Detection & Classification in Brain MRI Images”, Global Science and Technology Journal vol. 4, no. 1, September 2016 Issue, pp. 73– 83, Australia, 2016. **(Peer Reviewed Journal)**
10. **Rasel Ahmmed** and, Md. Foisal Hossain, “Tumor detection in brain MRI image using Template based K-means and Fuzzy C-means Clustering Algorithm”, Proceeding of 6th International Conference on Computer Communication and Informatics, ICCCI -2016, 07 – 09 January, 2016, pp. 272-277, Coimbatore, INDIA. <http://ieeexplore.ieee.org/stamp/stamp.jsp?tp=&arnumber=7479972&isnumber=7479908>
11. **Rasel Ahmmed** and, Md. Foisal Hossain, “Tumor stages detection in brain MRI image using Template based K-means and Fuzzy C-means Clustering Algorithm”, Proceeding of 11th Global Engineering, Science and Technology Conference, 18 – 19 December, 2015, pp. 1-10, BIAM Foundation, Dhaka. ISBN: 978-1-922069-92-4 **(Awarded as Best Paper)** https://gistworldconpro.com/uploads/7/2/1452742522/604-rasel_ahmmed.pdf
12. Md. Foisal Hossain, **Rasel Ahmmed**, Tasmeen Akhter Tonima, and Proma Nag, “Identification and quality grading of mango among different fruits using fuzzy inference

system”, Proceeding of First Conference on Research for Sustainable Development (FCRSD), 12-13 April, Shahjalal University of Science & Technology (SUST) research Centre, pp-11, 2016.

13. Md. Foisal Hossain, **Rasel Ahmed**, Md. Shahraj Chowdhury, Tasmeen Akhter Tonima, and Proma Nag, “Quality grading of fruits using image processing”, Proceeding of Second Conference on Research for Sustainable Development (SCRSD), 02 June, Shahjalal University of Science & Technology (SUST) research Centre, pp-08, 2016.