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Areas of Interest

Computer Vision, AI, Brain MRI Modeling, Machine Learning, Soft Computing, Blockchain.

Education

Ph.D. (Thesis submitted) in the specialization of “Medical image processing” (Thesis title: *Early Detection of Alzheimer’s Disease – A Fuzzy Logic based Approach*) with an aggregate of 82.50% qualifying marks.
Jadavpur University, 2022

M. Tech from the Institute of Radio Physics and Electronics in the specialization of “VLSI Design” with an aggregate of 7.49 qualifying marks.
University of Calcutta, 2010-2012

B. Tech from Asansol Engineering College in the specialization of “Electronics and Communication Engineering” with an aggregate of 7.37 qualifying marks.
West Bengal University of Technology, 2005-2009

12th Standard, High School from Uluberia High School in the Science major with an aggregate of 69.80% qualifying marks.
West Bengal Council of Higher Secondary Education, 2005

10th Standard, High School from Uluberia High School with an aggregate of 78.37% qualifying marks.
West Bengal Board of Secondary Education, 2003

Personal Details

Date of birth : August 1st, 1986
Gender : Male
Nationality : Indian
Language Proficiency : English, Bengali, Hindi

Journal Publication

S. Ghosh, A. Chandra, and R. K. Mudi, “A Novel Fuzzy Pixel Intensity Correlation based Segmentation Algorithm for Early Detection of Alzheimer’s disease,” *Multimedia tools and Applications*, Springer, vol. 78, issue. 9, pp. 12465-12489, 2018.

S. Ghosh, A. P. Hazarika, A. Chandra, and R. K. Mudi, "Adaptive Neighbor Constrained Deviation Sparse Variant Fuzzy C-Means Clustering for Brain MRI of AD Subject," *Visual Informatics*, Elsevier, vol. 5, issue. 4, pp. 67-80, 2021.

Conference Publication

S. Ghosh, A. Chandra, and R. K. Mudi, "On Hippocampus Associative Modeling by Approximating Nonlinear Kullback-Leibler Sparsity Constraint," *2021 International Conference on Computer Communication and Informatics (ICCCI)*, pp. 1-5, IEEE, 2021.

S. Ghosh, A. Chandra, and R. K. Mudi, "An Interactive Hippocampus-Parahippocampus Functional 3D Connectivity Modeling with Quadratic Detrending," *The 12th International Conference on Computing, Communication and Networking Technology (ICCCNT)*, IEEE, IIT Kharagpur, 2021.

S. Banerjee, B. Ghatak, H. Naskar; S. Ghosh; M. Dhara; Sk. B. Ali, N. Das, B. Tudu and R. Bandyopadhyay, "Discrimination of Thymoquinone Using Near Infrared Spectroscopy Technique," *2nd International Conference on Emerging Frontiers in Electrical and Electronic Technologies (ICEFEET)*, IEEE, NIT Patna, 2022.

Professional Experience

Assistant Professor at OmDayal Group of Institutions, Engineering and Architecture College from August 3rd, 2012 to December 19th, 2015.

References

1. **Dr. Abhijit Chandra** , Assistant Professor , Instrumentation & Electronics Engineering Department, Jadavpur University , Email: abhijit922@yahoo.co.in , Phone: (+91) 9433389951.
2. **Prof. Rajani K. Mudi** , Professor , Instrumentation & Electronics Engineering Department, Jadavpur University , Email: rkmudi@yahoo.com , Phone: (+91) 6291102948.
3. **Prof. Rajib Bandyopadhyay** , Professor , Instrumentation & Electronics Engineering Department, Jadavpur University , Email: bandyopadhyay.rajib@gmail.com , Phone: (+91) 9331038954.

Declaration

I do hereby declare that the information furnished above is true the best of my knowledge and belief.

Date : 01/10/2022

Signature : 