

Dr. Abhisek Paul

Assistant Professor

Indian Institute of Information Technology Vadodara
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ACADEMIC QUALIFICATION

- Ph.D. in Computer Science and Engineering
Institute: National Institute of Technology Agartala
Thesis title: ON MODIFICATION IN HISTOGRAM EQUALIZATION FOR
ENHANCEMENT IN DIGITAL IMAGES
Year: 2020
- M. Tech. in Computer Science and Engineering
Institute: Tripura University (Central University)
Year: 2012
- B. Tech. in Computer Science and Engineering
Institute: Heritage Institute of Technology/ West Bengal
University of Technology
Year: 2010

RESEARCH INTEREST

Image Processing, Soft Computing, Vision Computing

PUBLICATIONS

Journal Papers

Abhisek Paul, "Adaptive tri-plateau limit tri-histogram equalization algorithm for digital image enhancement", Visual Computer,
DOI: 10.1007/s00371-021-02330-z.

Abhisek Paul, Paritosh Bhattacharya and Santi P. Maity, "Histogram modification in adaptive bi-histogram equalization for contrast enhancement on digital images", Optik,
DOI: 10.1016/j.ijleo.2022.168899

Abhisek Paul, Tandra Sutradhar, Paritosh Bhattacharya and Santi P. Maity, "Infrared images enhancement using fuzzy dissimilarity histogram equalization", Optik,
DOI: 10.1016/j.ijleo.2021.167887.

Abhisek Paul, Tandra Sutradhar, Paritosh Bhattacharya and Santi P. Maity, " Adaptive Clip-Limit Based Bi-Histogram Equalization Algorithm for Infrared Image Enhancement", Applied Optics,
DOI: 10.1364/AO.395848

Abhisek Paul, Paritosh Bhattacharya, Santi P. Maity and Bidyut Kr. Bhattacharyya "Plateau limit based Tri-histogram equalization for image enhancement", IET Image Processing.
DOI: 10.1049/iet-ipr.2017.1088.

Conference Paper

Abhisek Paul, Prantik Biswas , Paritosh Bhattacharya and Santi P. Maity, "Power-log based plateau limit histogram equalization algorithm for infrared image enhancement", 10th International Conference on Contemporary Computing (IC3), 2017, IEEE,
DOI: 10.1109/IC3.2017.8284291.