



Mr. Nihar Ranjan Nayak

Name : Nihar Ranjan Nayak

Designation : Sr. Asst. Professor

Department : Department of Computer Science and Engineering.
(JOINED THE INSTITUTE IN FEB 2006)

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RESEARCH INTERESTS

- ✓ Data Mining and Image Processing
- ✓ Soft Computing

Academic Qualifications

Ph. D. (Continuing) in Comp. Science & Engg. At BPUT, India

M. Tech.(Computer Science) Utkal University, India

Specializations:

- ✓ Design and Analysis of Algorithms.
- ✓ Theory of Computation
- ✓ Compilers Design
- ✓ Data Structure
- ✓ Computer Graphics
- ✓ Cryptography and Network Security

Teaching Experience/Industrial Experience/Research Experience

- ✓ Faculty in Silicon Institute of Technology, Bhubaneswar, India since Feb-2006

PUBLICATIONS

JOURNALS

- [1]. **N. R. Nayak**, B. K. Mishra, A. K. Rath and S. Swain. A Time Efficient Clustering Algorithm for Gray Scale Image Segmentation. *International Journal of Computer Vision and Image Processing (IJCVIP)*, IGI Global Publication, Vol. 3, Issue 1, pp. 22-32, 2013.

[2]. **N. R. Nayak** B. K. Mishra, and A. K. Rath. Improving The Efficiency Of Color Image Segmentation Using An Enhanced Clustering Methodology, *International Journal of Applied Evolutionary Computation*, 6(2), pp. 50–62, IGI Global Publication, 2015.

[3]. B. K. Mishra, **N. R. Nayak** and A. K. Rath, Statistical Comparison of Basic Clustering Algorithms Used In Image Segmentation, *International Journal of Advanced Engineering Technology*, E-ISSN 0976-3945, vol. II, issue IV, pp. 207–210, 2011.

[4]. B. K. Mishra, **N. R. Nayak**, A. K. Rath and S. Swain, Improving The Efficiency of Clustering By Using An Enhanced Clustering Methodology, *International Journal of Advances in Engineering & Technology*, IJAET ISSN: 2231-1963, Vol. 4, Issue 2, pp. 415–424, 2012.

[5]. B.K. Mishra, **N. R. Nayak** and A. K. Rath. Assessment of Basic Clustering Techniques Using Teaching-Learning-Based Optimisation, *Int. J. Knowledge Engineering and Soft Data Paradigms*, Vol. 5, No. 2, pp. 106–122, 2016.

CONFERENCES

[1]. B. K. Mishra, **N. R. Nayak**, A. K. Rath and S. Swain. Far Efficient K-Means Clustering Algorithm, *ICACCI'12*, pp. 106–110, ACM publication, 2012.

[2]. **N. R. Nayak**, B. K. Mishra, A. K. Rath and S. Swain. Comparative Analysis Of K-Mean Based Clustering Algorithms Using Various Distance Formulae, *4th International Conference on Electronics Computer Technology (ICECT)*, pp. 491–497, IEEE Publication, 2012.

BOOK CHAPTER

[1]. **N. R. Nayak** B. K. Mishra, and A. K. Rath, S Swain. Improving The Efficiency Of Color Image Segmentation Using An Enhanced Clustering Methodology, *Biometrics: Concepts, Methodologies, Tools, and Applications*, IGI Global Publication, DOI: 10.4018/978-1-5225-0983-7.ch075.

OTHER

COURSE NAME	ORGANIZING INSTITUTE	PLACE & YEAR	DURATION
Workshop on Computer Programming	IIT, Bombay	SIT, 2014	2 weeks
Workshop on Computer Security	IIT, Bombay	SIT, 2014	2 weeks
Workshop on Introduction to Design of Algorithm	IIT, Kharagpur	SIT, 2015	2 weeks
QIP_STC on DIVP with 3D applications	IIT, Kharagpur	IIT, Kharagpur, 2018	1 Weeks