Bikram Keshari Mishra, Ph.D.

Designation: Associate Professor

Department: Department of Computer Science and Engineering

Joining Date: 12th Feb 2008

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RESEARCH INTERESTS

Research interests focus on:
- o Data Mining
- o Knowledge Discovery
- o Image Processing

ACADEMIC QUALIFICATIONS

- o Ph. D. (CSE), VSSUT, Burla, India (Year of Passing: 2020)
- o M. Tech (CSE) BPUT, Rourkela, India (Year of Passing: 2010)
- o B.E (CSE), UTKAL University, Bhubaneswar, India (Year of Passing: 1996)

TEACHING / INDUSTRIAL EXPERIENCE

- o More than 20 years of teaching experience in various UTKAL and BPUT affiliated institutions.
- o 3 years in Software Industry

P U B L I C A T I O N S

JOURNALS

[1]. **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.

[2]. **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.

[3]. 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.

[4]. **B. K. Mishra**, N. R. Nayak 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.

[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.

[6]. **B.K. Mishra** and A. K. Rath. Improving The Efficacy of Clustering by Using Far Enhanced Clustering Algorithm, *Int. J. Data Mining, Modelling and Management*, Vol. 10, No. 3, pp. 269–292, 2018.

[7]. **B. K. Mishra**, A. K. Rath, S. K. Nanda and R. R. Baidyanath. "Efficient Intelligent Framework for Sélection of Initial Cluster Centers", Int. J. Intelligent Systems and Applications, vol. 11, number 8, pp. 44 – 55, 2019.

[8]. **B. K. Mishra**, A. K. Rath and P. K. Tripathy. "Detection of Fungal Contagion in Food Items using Enhanced Image Segmentation", Int. J. of Engineering and Advanced Technology, vol. 8, issue 6, pp. 1748 – 1757, 2019.

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.

[3]. **B. K. Mishra** and A. K. Rath. Coherent Method For Determining Initial Cluster Center, *ICCIDM*-2017, pp. 63–75, *Computational Intelligence in Data Mining, Springer.* 2018.

[4] Saroja Kumar Rout, Bibhuprasad Sahu, **Bikram Keshari Mishra**, Debabrata Singh. Artificial Neural Network Modeling for Prediction of Coronavirus (COVID-19), Advances in Distributed Computing and Machine Learning, Lecture Notes in Networks and Systems book series (LNNS, volume 302), Springer, pp 328-339, DOI: 10.1007/978-981-16-4807-6_32.

BOOK CHAPTERS

[1]. **B. K. Mishra** and A. K. Rath. An Enhanced Clustering Method For Image Segmentation. Chapter 16, pp. 325–343, *Exploring Critical Approaches of Evolutionary Computation*,   IGI Global Publication. 2018.

REVIEWER

[1]. Paper ID: T4P0109_IACC100867, Paper Title: Enhancement Of Infrared Image For Moisture Detection, *3rd IEEE International Advance Computing Conference (IACC-2013),* Organized by: IEEE Computer Society, India Council & IEEE Student Branch, AKGEC, Ghaziabad. 2013.

[2]. Paper ID: T3P0188_IACC100971. Paper Title: Simultaneous Continuous Feature Selection and K Clustering by Multi Objective Genetic Algorithm, *3rd IEEE International Advance Computing Conference (IACC-2013).* Organized by: IEEE Computer Society, India Council & IEEE Student Branch, AKGEC, Ghaziabad. 2013.

[3]. Manuscript ID: JST-1275-2018. Pixel -based Analysis for Automatic Oil Palm Trees Counting from UAV Images. *Pertanika Journal of Science and Technology.* 2018.

SEMINAR / CONFERENCES ATTENDED

NAME OF CONF. /SEMINAR	ORGANIZING INSTITUTE	PLACE & DATE	ROLE
NSSE	SIT, BBSR	Bhubaneswar	Participant
MRS	VSSUT, Burla	Burla, 2017	Poster Presentation

WORKSHOP / FDP / STC ATTENDED

COURSE NAME	ORGANIZING INSTITUTE	PLACE & YEAR	DURATION
Workshop on Computer Programming	IIT, Bombay	SIT, 2014	2 weeks
Workshop on Computer Networking	IIT, Bombay	SIT, 2014	1 week
Workshop on Computer Security	IIT, Bombay	SIT, 2014	2 weeks
Workshop on Introduction to Design of Algorithm	IIT, Kharagpur	SIT, 2015	2 weeks
Pedagogy for Effective use of ICT in Engineering Education	IIT, Bombay	SIT, 2015	2 Weeks
National Workshop on Science & Engg. Aspects of Big Data Analysis	SIT, Bhubaneswar	SIT, 2015	3 Days

(SEBDA)			
Short Term Training Program on Institutional Management	NITTTR, Kolkata	SIT, 2015	1 Week
Linux Operating Syatem & Kernel Internals (LOSKI)	SIT, Bhubaneswar	SIT, 2015	2 Days
Workshop on Graph Theory & Application	SIT, Bhubaneswar	SIT, 2015	1 Week
Workshop on Train the Trainer	SIT, Bhubaneswar	SIT, 2017	4 Days
Workshop on Big Data & Earth Science	KIIT, Bhubaneswar	KIIT, 2017	2 Days