



## Dr. Bikram Keshari Mishra, Ph. D.

**Designation:** Assoc. Professor

**Department:** Department of Computer Science and Engineering

**Joining Date:** 12<sup>th</sup> Feb 2008

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### RESEARCH INTERESTS

Research interests focus on:

- Data Mining
- Knowledge Discovery
- Image Processing

### ACADEMIC QUALIFICATIONS

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

### TEACHING / INDUSTRIAL EXPERIENCE

- Around twenty years of teaching experience in various UTKAL and BPUT affiliated technical institutions.
- 3 years in Software Industry

### PUBLICATIONS

### 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 Optimization, *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, Modeling 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.

## 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 (SEBDA)	SIT, Bhubaneswar	SIT, 2015	3 Days
Short Term Training Program on Institutional Management	NITTR, Kolkata	SIT, 2015	1 Week
Linux Operating System & 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
QIP_STC on DIVP with 3D applications	IIT, Kharagpur	IIT KGP, 2018	1 Weeks