Bivasa Ranjan Parida, Ph.D.

Designation : Assistant Professor

Department : Department of Computer Science and Engineering

(JOINED THE INSTITUTE IN 2022)

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RESEARCH INTERESTS
- ✓ Cloud Computing
- ✓ Internet of Things
- ✓ Wireless Body Area Network
- ✓ Grid Computing

Academic Qualifications

Ph. D. (Computer Science and Engineering), VSSUT, Burla, India

M. Tech. (Computer Science and Engineering), BPUT, Odisha, India

MBA (Information Technology & Human Resource Mgmt.), PTU, Jalandhar, India

B. E. (Computer Science and Engineering), Utkal University, Odisha, India

Teaching Experience/Industrial Experience/Research Experience

20 Years

PUBLICATIONS

JOURNAL ARTICLES & CONFERENCE PAPERS

[1]. Lomashradhha Parida, Tusharkanta Samal, Bivasa Ranjan Parida, Suvendra Kumar Jayasingh, Mamata Ratha, Soumya Mohapatra, and Durga Prasad Khanal. An Intelligent WBAN to Predict Cardiovascular Diseases. In *Computing, Communication and Intelligence* (pp. 158-162). CRC Press, 2025.

[2]. Bivasa Ranjan Parida, Amiya Kumar Rath, Bibudhendu Pati, Chhabi Rani Panigrahi, Hitesh Mohapatra, and Rajkumar Buyya. "SSEPC cloud: Carbon footprint aware power efficient virtual machine placement in cloud milieu." *Computer Science and Information Systems* 00 (2024): 18-18.

[3]. Manas Ranjan Mishra, Bivasa Ranjan Parida, Tusharkanta Samal, Lomashradhha Parida, and Manas Ranjan Kabat. "Binary Classification of Bone Fractures using Transfer Learning: A Comprehensive Approach." In *2024 International Conference on Intelligent Computing and Sustainable Innovations in Technology (IC-SIT)* (pp. 1-6). IEEE, 2024.

[4]. Bivasa Ranjan Parida, Amiya Kumar Rath, Bibudhendu Pati, Chhabi Rani Panigrahi, Hitesh Mohapatra, and Rajkumar Buyya. "Energy Efficient Virtual Machine Placement in Dynamic Cloud Milieu Using a Hybrid Metaheuristic Technique." *Computación y Sistemas* 27, no. 4 (2023): 1147-1155.

[5]. Lomashradhha Parida, Bivasa Ranjan Parida, Manas Ranjan Mishra, Suvendra Kumar Jayasingh, Tusharkanta Samal, and Sujata Ray. "A Novel Approach for Human Activity Recognition Using Vision Based Method." In *2023 1st International Conference on Circuits, Power and Intelligent Systems (CCPIS)*, pp. 1-5. IEEE, 2023.

[6]. Bivasa Ranjan Parida, Amiya Kumar Rath, and Hitesh Mohapatra. "Binary Self-Adaptive Salp Swarm optimization-Based dynamic Load Balancing in Cloud Computing." International Journal of Information Technology and Web Engineering (IJITWE) 17, no. 1 (2022): 1-25.

[7]. Bivasa Ranjan Parida, and Amiya Kumar Rath. "Energy-Aware Load Balancing in Dynamic Cloud Environment Using Nature-Inspired Technique." In Advances in Micro-Electronics, Embedded Systems and IoT, pp. 249-258. Springer, Singapore, 2022.

[8]. Anita Sahoo, Rakesh Kumar Lenka, Tusharkanta Samal, and Bivasa Ranjan Parida. "Honey-Bee based Load Balanced Packet Scheduling MAC Protocol for IoT-enabled Healthcare System." In 2022 International Conference on Emerging Smart Computing and Informatics (ESCI), pp. 1-7. IEEE, 2022.

[9]. Bivasa Ranjan Parida, Amiya Kumar Rath, and Shrabanee Swagatika. "Load Balancing of Tasks in Cloud Computing Using Fault-Tolerant Honey Bee Foraging Approach." In Intelligent and Cloud Computing, pp. 51-58. Springer, Singapore, 2021.

[10]. Sumanta Chandra Mishra Sharma, Amiya Kumar Rath, and Bivasa Ranjan Parida. "Efficient load balancing techniques for multi-datacenter cloud milieu." International Journal of Information Technology (2020): 1-11.

[11]. Bivasa Ranjan Parida, Amiya Kumar Rath, and Shrabanee Swagatika. "Bee Foraging Approach." *Intelligent and Cloud Computing: Proceedings of ICICC 2019, Volume 2, 153*, 51.

[12]. Anita Sahoo, Tusharkanta Samal, and Bivasa Ranjan Parida. "Priority based Packet Balanced Queue MAC protocol in Wireless Body Area Network." In 2019 10th International Conference on Computing, Communication and Networking Technologies (ICCCNT), pp. 1-6. IEEE, 2019.

[13]. Manoj Kumar Mishra, Nachiketa Tarasia, Bivasa Ranjan Parida, and Sarita Das. "An Image Decomposition Parallel Approach to Train Flann for an Adaptive Filter." In International Conference on Advances in Computing, Communication and Control, pp. 355-363. Springer, Berlin, Heidelberg, 2011.

[14]. Manoj Kumar Mishra, Raksha Sharma, Vishnu Kant Soni, Bivasa Ranjan Parida, and Ranjan Kumar Das. "A memory-aware dynamic job scheduling model in Grid computing." In 2010 International Conference On Computer Design and Applications, vol. 1, pp. V1-545. IEEE, 2010.

PATENTS

Patent 2021107039, filed on date 24/08/2021, in the Australian Patent.

ANY OTHER

- Member of Institute of Electrical and Electronics Engineers
- Member of Institution of Engineers
- Member of Computer Society of India
- Reviewer of different International Journals and Conferences
- Session Chair in International Conference on Emerging Trends in Intelligent Computing Techniques (ICETICT-2024) conducted from 27.12.2024 to 28.12.2024 at DRIEMS University, Cuttack.
- Future Ready Contributor Advance Level Training certificate issued on 12th April 2022 from Illumine Foundation in collaboration with Tata Steel Foundation.
- Educator Training Certificate on "AWS Academy Cloud Foundations" issued on 4th June 2021 from Eduskills in collaboration with AWS Academy.
- Global Certification in AWS Certified Cloud Practitioner issued on 9th April 2021 valid till 9th April 2024.
- Cognitive Learning InstructorTM Foundation Level Training Certificate (during 11th – 19th January 2021) from BPUT in collaboration with Illumine Foundation valid till April 2027.
- Session Chair in 3rd IEEE International Conference on Systems, Computation, Automation and Networking (ICSCAN-2020) conducted on 3rd and 4th July 2020 at Manakula Vinayagar Institute of Technology, Puducherry.
- Convener of AICTE sponsored National Seminar on "Emerging Trends in Communication and Computing" organized by College of Engineering Bhubaneswar on 22nd and 23rd December 2017.
- Convener of 18th Annual State Level Faculty Convention of ISTE (Odisha Section) and the National Seminar on "Role of Technology in SocioEconomic Development of the Nation" (RTSEDN-2015) on 26th & 27th December, 2015 at College of Engineering Bhubaneswar.
- Workshop Coordinator of the Two-week ISTE Workshop on "Computer Networking" conducted by IIT Bombay under the National Mission on Education through ICT (MHRD) from May 28th, 2014 to July 5th, 2014.
- Invited speaker in Career Plus Programme of Naxatra News Channel during 2013 - 2015.
- Dale Carnegie certification in "High Impact Teaching Skills" in 2010.
- State level award for story writing in Odia language from 'Katha' Eastern Media by Hon'ble Chief-Minister, Odisha.