BIO-DATA

Name: Pandit Byomakesha Dash

Employee ID: A5INT00T27

Designation: Assistant Professor

Department: IT

Date of Birth: 10-07-1990

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Reservation Category: General

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Date of Joining in the Institution: 03-08-2020

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Academic Excellence:

QUALIFICATION	BOARD / UNIVERSITY	DIVISION	YEAR
Ph.D (Information Technology)	Veer Surendra Sai University Of Technology, Burla, Sambalpur, Odisha	pursuing	
M.Tech (Computer Science and Engineering)	JNTU, Kakinada, Andhra Pradesh	FIRST Class with Distinction	2020
MCA	Veer Surendra Sai University Of Technology, Burla, Sambalpur, Odisha	FIRST Class with Distinction	2017
BCA	Sambalpur University, Odisha (DDCE)	FIRST Class Honours	2014

Total Years of Experience (Teaching/Industry): 2.10Years

Period		Organization/Institution/Industry	Designation
August 3rd-2020	Till date	Aditya Institute of Technology and Management,Tekkali,Srikakulam, Andhra Pradesh	Assistant Professor
April 2-2017	June30-2018	PV soft Technology, Hyderabad	Associate Programmer

Areas of Interest:

1. Data Mining

2. Advanced Machine Learning

3. Data Structure and Algorithms

Guidance of Academic Projects:

i)   Doctoral Projects : -
ii)   Masters Projects   : -
iii)   Bachelor Projects : 3

Honors and awards received: -

- "Best yuva coder" in district level coding competition organized in CNC College Balangir (2013).
- University Topper at the Graduation level.

Memberships of Professional Societies and Other Organizations: CSI member
Other Responsibilities:

- Member of International Reviewer Committee, Computational Intelligence in Pattern Recognition, Institute of Engineering and Management Group, Kolkata, India

Details of Book Publications: -

Details of Publications:

1. **Dash, P. B**., Naik, B., Nayak, J., & Vimal, S. (2022). Socio-economic factor analysis for sustainable and smart precision agriculture: An ensemble learning approach. Computer Communications, 182, 72-87. [**Impact Factor : 3.167, SCI, SCOPUS**]

2. Oram, E., **Dash, P. B**., Naik, B., Nayak, J., Vimal, S., & Nataraj, S. K. (2021). Light gradient boosting machine-based phishing webpage detection model using phisher website features of mimic URLs. Pattern Recognition Letters, 152, 100-106. [**Impact Factor : 3.756, SCI, SCOPUS**]

3. **Dash, P. B**., Naik, B., Nayak, J., & Vimal, S. (2021). Deep belief network-based probabilistic generative model for detection of robotic manipulator failure execution. Soft Computing, 1-13. **[Impact Factor : 3.050, SCI, SCOPUS]**

4. Mishra, D., Naik, B., **Dash, P. B**., & Nayak, J. (2021). SEM: Stacking Ensemble Meta-Learning for IOT Security Framework. Arabian Journal for Science and Engineering, 1-18. **[Impact Factor : 1.711, SCI, SCOPUS]**

5. Mishra, M., **Dash, P.B**., Nayak, J., Naik, B. and Swain, S.K., (2020). Deep learning and wavelet transform integrated approach for short-term solar PV power prediction. Measurement, 166, p.108250. **[Impact Factor : 3.364, SCI, SCOPUS]**

6. Naik, B., **Dash, P. B**., & Nayak, J. (2020). Extra-tree learning based Socio economic factor analysis and multi-class adaptive boosting meta-estimator for prediction of agricultural productivity. Indian Journal of Science and Technology, 13(29), 2981-3001. **[SCI Indexed,WOS]**

7. **Dash, P. B**., Nayak, J., Naik, B., Oram, E., & Islam, S. H. (2020). Model based IoT security framework using multiclass adaptive boosting with SMOTE. Security and Privacy, 3(5), e112. **[UGC Listed]**

8. Nayak, J., Naik, B., **Dash, P. B**., & Pelusi, D. (2021). Optimal Fuzzy Cluster Partitioning by Crow Search Meta-Heuristic for Biomedical Data Analysis. International Journal of Applied Metaheuristic Computing (IJAMC), 12(2), 49-66. **[WOS,ESCI,SCOPUS]**

9. Nayak, J., Naik, B., Dinesh, P., Vakula, K., & **Dash, P. B**. (2020). Firefly Algorithm in Biomedical and Health Care: Advances, Issues and Challenges. SN Computer Science, 1(6), 1-36. **[DBLP,UGC Listed]**

10. **Dash, P. B**., & Rao, K. S. (2020). Anomaly Detection in IoT Network by using Multi-class Adaptive Boosting Classifier. International Journal of Information Security Science, 9(3), 164-171. **[UGC Listed]**

11. Nayak, J., Naik, B., **Dash, P. B**., Souri, A., & Shanmuganathan, V. (2021). Hyper-parameter tuned light gradient boosting machine using memetic firefly algorithm for hand gesture recognition. Applied Soft Computing, 107, 107478. **[Impact Factor : 6.725, SCIE, SCOPUS]**

12. Nayak, J., Naik, B., Dinesh, P., Vakula, K., **Dash, P. B**., & Pelusi, D. (2021). Significance of deep learning for Covid-19: state-of-the-art review. Research on Biomedical Engineering, 1-24. **[SCOPUS Indexed]**

13. Naik, B., Nayak, J. & **Dash, P.B**. Higher order ANN parameter optimization using hybrid opposition-elitism based metaheuristic. Evol. Intel. (2021). https://doi.org/10.1007/s12065-021-00610-0. **[Impact Factor : 2.33,SCOPUS]**

14. Nayak, J., Vakula, K., **Dash, P. B**., & Naik, B. (2019). Kidney-inspired algorithm and fuzzy clustering for biomedical data analysis. In Big Data Analytics for Intelligent Healthcare Management (pp. 269-281). Academic Press. **Elsevier [SCOPUS Indexed]**

Details of Conferences / Workshops / Refresher Courses Attended:

➢ International Conference, on Computational Intelligence in Data Mining (ICCIDM) on Dec 15-16, 2018.

➢ "INTERNATIONAL WEBINAR ON COMPUTATIONAL ADVANCES FOR BIOMEDICAL ENGINEERING", During November 23-27, 2020.

➢ One Day National Hands-On Workshop On, LaTeX for Technical Document Preparation held on 26th July, 2020.

➢ Webinar on "Preparation of Quality Journal Papers & Book Chapters" on 5th Aug 2020.

➢ National Level Online Quiz on Management Studies during 23 - 28 June 2020.

Details of Certification Courses:

➢ NPTEL course **Data Mining (8 Weeks)** on the SWAYAM platform (swayam.gov.in), during the Jan-Apr 2020 semester.
➢ **Palo Alto Networks certified Cyber Security Entry Level Technician(PCCET) ,**Global Certification, July-2021

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