Rajesh Kumar Ojha, Ph.D.

Designation : Assistant Professor

Department : Department of Computer Science & Engineering
(JOINED THE INSTITUTE IN 2024)

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RESEARCH INTERESTS
- ✓ Artificial Intelligence
- ✓ Machine Learning
- ✓ Recommender Systems
- ✓ Data Analytics
- ✓ Cyber Security

Academic Qualifications
Ph. D., Sri Sri University, Odisha
PGDBM, PTU, Punjab
M. Tech., KIIT Deemed to be University, Odisha
B.E., Biju Patnaik University of Technology, Odisha

Teaching Experience/Industrial Experience/Research Experience
- ✓ 17 years

PUBLICATIONS

JOURNAL ARTICLES & CONFERENCE PAPERS

[1]. Nayak, B., Dash, G.P., **Ojha, R.K.** et al. "Application of Machine Learning Techniques for Detection and Segmentation of Brain Tumors". SN COMPUT. SCI. 4, 520 (2023). https://doi.org/10.1007/s42979-023-01918-7

[2]. B. Nayak, **R. Ojha**, D. Das, G. P. Das, P. Mohapatra, "The Impact of Covid-19 Pandemic on Indian Stock Market: A Machine Learning Approach", Design Engineering, ISSN: 0011-9342 | Year 2021, Issue 9, PP-13614-13622.

[3]. **R. K. Ojha**, S. J. Rao, P. Goel, S. Srivastava, K. H. Kumar and C. Prasad, "Cross-Game Generalization Approaches for General

Video Game Playing using Deep Reinforcement Learning," 2021 2nd International Conference on Smart Electronics and Communication (ICOSEC), 2021, pp.1-8, doi: 10.1109/ICOSEC51865.2021.9591846.

[4]. **R. K. Ojha**, S. Srivastava, M. Goyal, L. Kumar, A. Kumar and C. Prasad, "Improving K-Means Effectiveness and Efficiency with Initialization Estimates of Cluster Centroids," 2021, 2nd International Conference on Smart Electronics and Communication (ICOSEC), 2021, pp. 1086-1091, doi: 10.1109 /ICOSE C51865.2021.9591948.

[5]. Monalisa Rath, Rashmita Routray, **Rajesh Kumar Ojha** "Performance Evaluation of Different Tree-Based Regression Approaches For Forecasting Energy Prediction in Wireless Sensor Network Scenario", proceedings of International Conference on Emerging Trends in Engineering and Technology (ICETET-2022) published in IFERP, ISBN : 978_81_ 951120_ 3_6, July,2021

[6]. B. Nayak, **R. K. Ojha**, P. S. Subbarao, V. Batth, "Machine Learning in Finance: Application of Machine Learning in Collaborative Filtering Recommendation System for Financial Recommendations", International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8, Issue-1, May 2019.

[7]. **R.K. Ojha**, Dr. B. Nayak, "Application of Machine Learning in Collaborative Filtering Recommender Systems", International Journal of Engineering & Technology (IJET),7(4.38) 213-215,2018

[8]. M.N. Das &**R.K. Ojha**, "An Adaptive Approach for Modifying Inertia Weight using Particle Swarm Optimization", International Journal of Computer Science Issues (IJCSI)Volume 9, Issue 5, September 2012

PATENTS PUBLISHED

1. **R. K. Ojha**, R. R. Sutar, k. Dev et al. (2022). An Ensemble Learning Based Mobile App Safety Recommender System. (202231016789). Indian Patent Office

2. **R. K. Ojha**, M. Pal, T. Mohanty et al. (2022). A Novel Cost Effective Composite Air Quality Monitoring System with Machine Learning Based Visualization and Analysis Tool. (2022310257952022). Indian Patent Office.

3. B. N. Nayak, **R. K. Ojha**, P. Hota et al. Sri Sri University. (2023). A Novel Model to Evaluate the Performance of Total Quality Management in Management Institutions. (202231033334). Indian Patent Office.

4. **R. K. Ojha**, N. Panda, et al. (2023). A System to Detect the Emotion of Children while Learning and to Teach Emotion Management. (202321020147). Indian Patent Office.

Silicon University

NPTEL COURSES COMPLETED
1. Java Programming (Silver Medal)
2. Data Science for Engineers (Elite)

PROFESSIONAL MEMBERSHIP
1. LIFE MEMBER OF IEI
2. LIFE MEMBER OF ISTE

ORCID ID: https://orcid.org/ 0000-0003-2762-5855

Scopus Author ID: 57205196584

CONFERENCES ATTENDED

1. National Conference on "**Elevating Innovation and Sustainability with AI Excellence**," held on 15th and 16th March, 2024, Srusti Academy of Management.
2. **2nd International Conférence on Intelligent Systems and Machine Learning** (ICISML-2023), July 27-28, 2023, Sri Sri University, Cuttack Odisha,
3. **The International Health Informatics Conference (IHIC)** May 17-19,2022, Sri Sri University, Cuttack Odisha, India.
4. **International Conference on Emerging Trends in Engineering and Technology (ICETET-2022)**, July 3-6 2022, Laxmi Institute of Technology, Valsad, India.
5. **2nd International   Conference on Smart Electronics and Communication (ICOSEC)**, October 7-9, 2021, Trichy, India
6. **International Conference on Computational Intelligence and Data Analytics (ICCIDA)**-2018, October 26-27, 2018, GIFT, Bhubaneswar.