



Pamela Chaudhury, Ph.D.

Name : Pamela Chaudhury

Designation : Senior Assistant Professor

Department : Department of Computer Science and Engineering

(JOINED THE INSTITUTE IN 2012)

Contact : + 917894734190 (M)

Email : pamela@silicon.ac.in

RESEARCH INTERESTS

- ✓ Machine Learning
- ✓ Data mining
- ✓ Pattern Recognition
- ✓ Natural Language Processing
- ✓ Big Data Mining

Academic Qualifications

- ✓ Ph.D. (Computer Science Engineering, KIIT University, Bhubaneswar)
- ✓ M.E. (Computer Science & Engineering), Utkal University, Bhubaneswar.
- ✓ B.TECH (Information Technology), Uttar Pradesh Technical University, Lucknow.

Teaching Experience/Industrial Experience/Research Experience

- ✓ Teaching Experience: 14 years
- ✓ Industry Experience: 7 months

- [1] **P. Chaudhury** & H. K. Tripathy, 'An Empirical Study on Attribute selection of Student Performance Prediction Model' in International Journal of learning Technology, (**Scopus**)vol.12, 3, pp.241-252, 2017. Inderscience,.
- [2] **P. Chaudhury** & H.K. Tripathy, 'A study on smartphone addiction on academic performance', International Journal of Engineering & Technology, (**Scopus**) vol .7, 2.6, pp. 50-53, 2018..
- [3] **P. Chaudhury** & H.K. Tripathy, 'Optimisation of the RBFN model using TLBO and DE for academic performance determination on primary data', Indonesian Journal of electrical engineering and computer science, (**Scopus**) vol. 15, 1, pp. 435-442, 2019.
- [4] **P. Chaudhury** & H. K. Tripathy, "A novel academic performance estimation model using two stage feature selection", Indonesian Journal of electrical engineering and computer science (**scopus**), vol19, 3, pp.1610-1619, 2020..
- [5] **P. Chaudhury** & H. K. Tripathy, ' Speaker Identifiication in Odiya using Mel Frequency Cepstral Coefficients and Vector Quantisation', International Journal of Advances in Computer Science and Technology, vol. 4,3, pp.137 -140, 2015.
- [6] P Sahoo, **P. Chaudhury**, JR Mohanty, ' Improving effort estimation of software products by augmenting class point approach with regression analysis", Intelligent Decision Technologies 16 (2), 357-367, 2022.
- [7] S Mishra, **P Chaudhury**, H. K. Tripathy, K. S. Sahoo, NZ Jhanjhi, A Hassan, A. Abdelmaboud, " Enhancing health care through medical cognitive virtual agents", Digital health, (**Scopus, SCI**), Vol 10, 2024.

C O N F E R E N C E S

- [8] S Das, **P Chaudhury**, HK Tripathy, " Employing Machine Learning Techniques to Categorize users in a Fitness Application", International Conference on Advancements in Smart, Secure & Intelligent Computing, (ASSIC) pp.1-7, 2023.
- [9] S Das, **P Chaudhury**, HK Tripathy, " Classification of Autism Spectrum Disorder using CNN & Transfer Learning", International Conference on Advancements in Smart, Secure and Intelligent Computing (ASSIC), pp 1-7, 2024.
- [10] **P. Chaudhury** , M. Rao and K. V. Kumar ' Symbol based Concatenation Approach for Text to Speech System for Hindi using Vowel Classification Technique 'in the proceedings of international conference NABIC,2009,

pp . 1082-1087.

- [11] **P. Chaudhury** and K. V. Kumar, ' Vowel classification based approach for Telugu Text -to -Speech System using symbol concatenation ', in the proceedings of international conference [ACCTA-2010].
- [12] **P. Chaudhury**, S. Mishra, H.K. Tripathy and B . K. Mishra , 'Enhancing the capabilities of Student Result Prediction System', in Proceedings of the Second International Conference on Information and Communication Technology for Competitive Strategies (ICTCS '16), pp. 1 -6, , (ACM Conference).
- [13] S. Mishra, **P. Chaudhury**, H.K. Tripathy, B . K. Mishra , 'An implementation of Feature ranking using Machine learning techniques for Diabetes disease prediction' ICTCS 2016, Proceedings of the Second International Conference on Information and Communication Technology for Competitive Strategies.

RESEARCH GUIDANCE

Guided more than 10 students in their MTech Thesis
Supervisor of 02 PhD students under Silicon University

INVITED LECTURES /TALKS/SEMINARS

- [1] Resource person in the three-day STTP (Short Term Training Program) on Artificial Intelligence organized by the Department of Information Technology, S.K.D.A.V Government Polytechnic, Rourkela, Odisha from 18 to 20 October 2023.
- [2] Resource person in the five day faculty development program on "EMPOWERING EDUCATORS WITH AI AND ML: STRATEGIES AND APPLICATIONS", Organised by Department of CSE, KLH University Hyderabad in collaboration with IEEE KLHSB, from 8th July to 12th July 2024.

PATENT FILED

- [1] P. Rao, P. Chaudhury, M. Rao, K.V.Kumar, S.Das, S. Rout, " Post Covid Heart health monitoring using machine learning techniques on smartwatch data. Application number 202331023008.