Dr. Parashjyoti Borah
Assistant Professor (CSE)
PhD (NIT Arunachal Pradesh)
Department of Computer Science & Engineering
parashjyoti@iiitg.ac.in
Joined the Institute in January 2022

About

Hello, welcome to my homepage. I am an Assistant Professor in the Department of Computer Science and Engineering at Indian Institute of Information Technology, Guwahati. I joined IIITG in January, 2022. Prior to that, I worked as an Assistant Professor at Siksha 'O' Anusandhan (SOA), Bhubaneswar. I did my PhD from National Institute of Technology Arunachal Pradesh under the Visvesvaraya PhD Scheme for Electronics & IT, Ministry of Electronics & IT, India.

Research Interests

Machine Learning, Pattern Recognition.

Teaching

At IIITG, I am teaching the following course:

1. CS401 & CS634: Data Analytics (Monsoon)

2. CS685: Fuzzy Sets, Logic and Systems - Elective (Winter)

Publication

Journal

- Barenya Bikash Hazarika, Deepak Gupta, Parashjyoti Borah, "An intuitionistic fuzzy kernel ridge regression classifier for binary classification", Applied Soft Computing,vol. 112, (2021), pages. 107816-107830,
- Parashjyoti Borah, Deepak Gupta , "Robust twin bounded support vector machines for outliers and imbalanced data", Applied Intelligence,vol. 51, (2021), pages. 5314–5343,
- Deepak Gupta, Parashjyoti Borah, Usha Mary Sharma, Mukesh Prasad, "Data-driven mechanism based on fuzzy Lagrangian twin parametric-margin support vector machine for biomedical data analysis", Neural Computing and Applications, (2021),
- Parashjyoti Borah, Deepak Gupta, "Unconstrained convex minimization based implicit Lagrangian twin extreme learning machine for classification (ULTELMC)", Applied Intelligence,vol. 50, (2020), pages. 1327-1344,
- Parashjyoti Borah, Deepak Gupta, "Functional iterative approaches for solving support vector classification problems based on generalized Huber loss", Neural computing and applications,vol. 32, (2019), pages. 9245-9265,
- Parashjyoti Borah, Deepak Gupta, "Unconstrained convex minimization based implicit Lagrangian twin random vector Functional-link networks for binary classification (ULTRVFLC)", Applied Soft Computing,vol. 81, (2019), pages. 105534-105548,
- Deepak Gupta, Bharat Richhariya, Parashjyoti Borah, "A fuzzy twin support vector machine based on information entropy for class imbalance learning", Neural computing and applications,vol. 31, (2018), pages. 7153-7164,

Conference

- Parashjyoti Borah, Deepak Gupta, "A two-norm squared fuzzy-based least squares twin parametric-margin support vector machine", In Machine Intelligence and Signal Analysis, (2019), pages. 119-134, Springer, Singapore
- Parashjyoti Borah, Deepak Gupta, Mukesh Prasad, "Improved 2-norm based fuzzy least squares twin support vector machine", In 2018 IEEE symposium series on computational intelligence (SSCI), (2018), pages. 412-419, IEEE
- Deepak Gupta, Parashjyoti Borah, Mukesh Prasad, "A fuzzy based Lagrangian twin parametric-margin support vector machine (FLTPMSVM)", In 2017 IEEE symposium series on computational intelligence (SSCI), (2017), pages. 1-7, IEEE
- Parashjyoti Borah, Deepak Gupta, "On Lagrangian twin parametric-margin support vector machine", In International Conference on Next Generation Computing Technologies, (2017), pages. 474-487, Springer, Singapore
- Rupam Kr Sharma, Hemanta Kumar Kalita, Parashjyoti Borah, "Analysis of machine learning techniques based intrusion detection systems", n Proceedings of 3rd International Conference on Advanced Computing, Networking and Informatics, (2016), pages. 485-493, Springer, New Delhi

0824 2474000

registrar@iiitg.ac.in

Our Campus

Gallery

Library

Health care center

Quick Links

Tender/NIQ

Academic Calendar

Semester Fee

Seat Distribution

Curriculum

Visitor's Information

Annual Report