

Faculty Biodata

Name of Teaching Staff KIRAN BHOWMICK
Designation Assistant Professor
Department Computer Engineering
Date of Joining the Institution 25.07.2006



Professional Memberships ISTE

Qualifications with Class/Grade:

1. Pursuing Ph.D (Computer), DJSCE, Mumbai University, 2015
2. M.Tech (Computer Engineering), MPSTME, NMIMS University, April 2008
3. B.E. (Computer Science & Engineering.), Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, 1st Class with distinction., 67.6%, May, 1999

Total Experience in Years: 17 Years

Teaching: 15 Years

- Assistant Professor, D. J. Sanghvi College of Engineering, from 25th July 2006 till date
- Lecturer (regular), Computer Department, Lokmanya Tilak College of Engineering, Navi Mumbai, 31st May2003 to 24th July2006

Industry: 02 Years

- Web Programmer, Mega e-Services Pvt. Ltd., Mumbai from 29th May2000 to 24th Dec2001
- Web Programmer + Faculty in CTECH Computer Services, Pune from 1st Jan2000 to 5th May2000.

Courses Taught:

- C Programming
- Object Oriented Programming in C++
- Discrete Structures & Graph Theory
- Theoretical Computer Science (TCS)
- Object Oriented Analysis & Design
- Web Technology
- Distributed Computing
- Management Information Systems
- Data Mining
- Information Technology for Management of Enterprise
- Software Engineering
- Soft Computing
- Advanced Algorithms and Complexity (PG)
- Soft Computing (PG)
- Computational Intelligence (PG)

- Data Science (PG)

Projects Guided:

- M.E. Project: **04**
- B.E. Project: **30**

Academic Duties:

- NBA Program Coordinator for Computer Department
- Project Co-ordinator since 2011
- Admission Committee member
- Lab-Incharge for ACWT lab in Computer Department
- Placement Coordinator till 2016

Interaction with Professional Institutions:

- Was invited as an expert for interview in CDAC, Mumbai in April 2016

Publication & Conferences : (Till Date)

Papers presented in International Journal: 18

1. “Word Sense Disambiguation”, International Journal of Engineering Science Invention (IJESI); ISSN 2319-6726; Vol-2; Issue 10, Oct 2013
2. “SPAM Filtering Using Statistical Natural Language Processing”, at International Journal of Computer Science and Engineering (IJCSE); ISSN 2278-9960; Vol-2, Issue-5, Nov-2013, Impact Factor:2.3176
3. “Neural Network Applications in Stock Market Predictions”, at International Journal of Computer Science and Engineering (IJCSE); ISSN 2278-9960; Vol-2, Issue-5, Nov-2013, Impact Factor:2.3176
4. “Optimization of Travelling Salesman Problem for an ERP System” , at International Journal of Computer Science and Engineering (IJCSE); ISSN 2278-9960; Vol-2, Issue-5, Nov-2013, Impact Factor:2.3176
5. “Virus Detection using Artificial Neural Networks”, at Journal: IJCA, December 8, 2013
6. “A survey on suicide prediction using social media content”, at Journal: IJIACS, ISSN (2347 – 8616, 2347 – 8527, 2348-117X),
7. Presented and published a paper “Hand Written Digit Recognition Using Logistic Regression”, IJGTI, Volume 4, Issue 1, March 2015.
8. Kohonen’s Self-Organizing Feature Maps and Linear Vector Quantization: A Comparison
9. IJCA July 18, 2015 ISBN : 973-93-80888-05-2
10. A Survey of Opinion Mining and Sentiment Analysis, International Journal of Computer Applications (0975 – 8887), Volume 131 – No.1, December 2015
11. Handling of Cost Sensitive Data Sets, International Journal of Innovations & Advancement in Computer Science IJIACS ISSN 2347 – 8616 Volume 4, Issue 11 November 2015
12. Applications of Data Mining in Fraud Detection, IJCSE, ISSN 2347-2693 Volume-03 , Issue-11
13. Evaluating Effectiveness of Classification Algorithms on Personality Prediction Dataset, Volume. 4 - Issue. 10, October - 2015, e-ISSN: 2278-0181, DOI: <http://dx.doi.org/10.17577/IJERTV4IS100463>
14. A Proposed Solution for Sentiment Analysis on Tweets to Extract Emotions from Ambiguous Statements, Author(s): Dyuti Shukla, Mihika Shah, Prerna Parmeshwaran,

- Kiran Bhowmick, International Journal of Engineering Research & Technology, Volume/Issue: Volume. 4 - Issue. 11, November – 2015, e-ISSN: 2278-0181, DOI: <http://dx.doi.org/10.17577/IJERTV4IS110185>
15. Machine Learning for Classification of Imbalanced Big Data, IJRITCC, ISSN 2321-8169 Volume 3 Issue 10 on 8 November, 2015
 16. Proposed Model for Prediction and Visualization of User Tendency towards Purchases using Clickstream Data, International Journal of Innovations & Advancement in Computer Science, IJIACS, ISSN 2347 – 8616, Volume 4, Issue 11, November 2015
 17. Adaptive Sorting Using Machine Learning, (IJCSIT) International Journal of Computer Science and Information Technologies, Vol. 7 (2) , 2016, 490-493, ISSN:0975-9646, Somshubra Majumdar, Ishaan Jain, Kunal Kukreja
 18. Computational Models of Episodic Memory: A Comparative Study, IJIACS'16, ISSN 2347 – 8616 Volume 5, Issue 5 May 2016, Kiran Bhowmick, Anushree Mehta.
 19. “A Comprehensive Study and Analysis of Semi Supervised Learning Techniques”, Kiran Bhowmick, Meera Narvekar, International Journal of Engineering Research & Technology (IJERT), Volume 8, Issue 11, Nov-2019, ISSN 2278-0181

Papers presented in National Journal: 03

1. Avneet Oberoi, Namrata Shah, Shraddha Vishwanathan, Kiran Bhowmick, “ Intelligent Deep Web Crawler, National Journal Technofocus, Vol 3, Issue 1, DJSCOE
2. Jay Shah, Aseem Chopra, Nikit Faria, Kiran Bhowmick, “ARMO Association Rule Mining using Ontology”, National Journal Technofocus, Vol 3, Issue 2, DJSCOE
3. Yash Sangani, Kunal Desai, Yash Doshi, Kiran Bhowmick, “A distributed approach for Count Distribution Algorithm”, National Journal Technofocus, Vol 3, Issue 3, DJSCOE

Papers presented in International Conference: 05

1. “Review of Duckworth Lewis Method”, DJ ICACTA 2015 Conference, Elsevier, Procedia Computer Science, Volume 45, Pages 95-100
2. Kiran Bhowmick, Krishna Gadia, “Parallel text mining in multicore systems using FP-Tree algorithm”, DJ ICACTA 2015 Conference, Elsevier, Procedia Computer Science, Volume 45, Pages 111-117
3. A Map Reduce Based Approach for Classification, ICII ECS'16 3rd International Conference on Innovations in Information, Embedded and Communication Systems, 17th & 18th March, 2016, IEEE
4. An Ensemble Classifier, ICII ECS'16 3rd International Conference on Innovations in Information, Embedded and Communication Systems, 17th & 18th March, 2016, IEEE sponsored, Pratyusha Shukla
5. A. Haldankar and K. Bhowmick, "A Cost Sensitive Classifier for Big Data" in IEEE sponsored International Conference on Advances in Electronics, Communication & Computer Technology (ICAECCT-16), 2-3 December 2016
6. Kiran Bhowmick, Meera Narvekar, “Trajectory Outlier Detection for Traffic Events: A Survey”, Springer 2017, 2nd International Conference on Intelligent Computing and Communication ICICC-2017, 2-4th August 2017
7. Kiran Bhowmick, Meera Narvekar, “Learning to classify non-stationary imbalanced data streams – issues and challenges”, IEEE 2018, in proceedings 2nd International Conference on Electrical, Electronics, Computers, Communication, Mechanical and Computing (EECCMC-2018) , 28th - 29th January 2018
8. “HECMI: Hybrid Ensemble technique for Classification of Multiclass Imbalanced data”, Kiran Bhowmick, Utsav B. Shah, Medha Y. Shah, Pratik A. Parekh, Meera Narvekar , 5th International Conference on “Information Systems Design and Intelligent

Applications” held during 19th-21st July, 2018 organized by Université des Mascareignes, Mauritius, Springer

9. “CDACI: Concept Drift Detection and Adaptation to Classify Imbalanced Data streams”, Kiran Bhowmick, Meera Narvekar, Aqsa Bhimdiwala, Chandrasekhar Raman, International Conference on Data Science and Analytics, Symbiosis University, Pune, 1st Dec 2018 – 2nd Dec 2018, IEEE

Papers presented in National Conference: 02

1. Kiran Bhowmick, M.V. Deshpande, S.G. Bhirud, “Software Estimation Tool Using AI Technologies”, National Conference of Information and Communication Technology NCICT 2007, NMIMS University.
2. Kiran Bhowmick, M.V. Deshpande, S.G. Bhirud, “A software estimation tool combining Algorithmic and Non-algorithmic models”, National Conference of Information and Communication Technology NCICT 2008, NMIMS University.