

Dr. Dwiti Krishna Bebarta

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DoB: 10/06/1973, Caste & Category: Hindu & General

Ratified by JNTUK, Kakinada, AP, India (Aug. 2010)

Google Scholar Link for Citations:

<https://scholar.google.co.in/citations?user=Cvh0hCoAAAAJ&hl=en>



Objective

To seek challenging assignment and responsibility, with an opportunity for growth and career advancement to achieve personal as well as organization goals with the best of my abilities.

Ph. D. Comp. Sc. and eng.

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| University | SOA University, Bhubaneswar, Odisha (Ranked 24 by MHRD, India, 2018) |
| Supervisors | Dr P K Dash, FNAE & Dr. Birendra Biswal |
| Title of the Thesis | <i>Low Complexity Neural Information Systems for Data Mining Applications in Financial and Energy Markets</i> |
| Research Area | Soft Computing and Data Mining |

Education

| Board/Institution/University | Year of Passing | Qualification |
|---------------------------------------|-----------------|---------------|
| SOA University, Bhubaneswar, Odisha | 2016 | Ph. D. (CSE) |
| Utkal University, Bhubaneswar, Odisha | 2002 | M Tech (CS) |
| The Institution of Engineers (India) | 1996 | ECE |

Teaching Experience (18 years)

| Duration | Working as | Organization |
|----------------------------|------------------------------------|--|
| 07 May 2017 onwards | Associate Professor in IT Dept. | GVP College of Engineering for women, Vishakhapatnam |
| 18 Dec 2006 – 07 May 2017 | Asso Prof / Professor in CSE Dept. | GMR Institute of Technology (Autonomous, NBA, NAAC), Rajam, A.P. |
| 28 Feb. 2003 – 18 Dec 2006 | Assistant Professor in CSE Dept. | GIET, Gunupur, Odisha |
| Sept. 2002 – Feb. 2003 | Lecturer in CSE & IT Dept. | MITS, Rayagada, Odisha |
| July 1998 – Sept. 2002 | Teaching Assistant in MCA Dept | KIIT, Bhubaneswar, Odisha |

Journal Paper Publications

| Sl. No. | Name of The Journal | Author Names | Year | Paper Title |
|---------|--|---------------------------------------|------|--|
| 01 | International Journal of Engineering Science Invention (IJESI) Volume 8 Issue 03 Series. II, PP 53-58 UGC Approved Journal | D K Bebarta A K Rout | 2019 | Steganography Using Reversible Dynamic Texture Creation |
| 02 | International Journal of Information and Decision Sciences (IJIDS) Inderscience Publishers Vol. 9, No. 1, pp.1–26, H Index: 12, Scopus (Elsevier) | D K Bebarta, P K Dash | 2017 | Mining of Electricity Prices in Energy Markets using a Hybrid Linear ARMA and Nonlinear Functional Link Neural Network Trained by Evolutionary Unscented H-infinity Filter |
| 03 | International Journal of Engineering and Technology (IJET), Scopus (Elsevier), H Index: 15, Vol 8 No 2 Engg Journals Publications | D K Bebarta A K Rout | 2016 | A Typical Framework for Forecasting and Trading Time Series Data Using Functional Link Artificial Neural Network |
| 04 | The International Journal of Computational Intelligence Systems (IJCIS)-2015 Published by Atlantis Press and Taylor & Francis, SCI indexed and Scopus (Elsevier), H Index: 15, IF: 0.574 | D K Bebarta, P K Dash, B Biswal | 2015 | Polynomial Based Functional Link Artificial Recurrent Neural Network adaptive System for predicting Indian Stocks |
| 05 | International Journal of Data Analysis Techniques and Strategies (IJDATS), Vol. 4, No.4 pp. 398 – 427, Inderscience Publishers, Scopus (Elsevier), H Index: 12 | D K Bebarta B Biswal P K Dash | 2012 | Comparative Study of Stock Market Forecasting Using Different Functional Link Artificial Neural Networks |
| 06 | International Journal of Electronics and Computer Science Engineering ISSN-2277-1956/Vol-1, No.3, pp-810-817 | D K Bebarta, N Suman | 2012 | Enhancements Performance in TCP-LP: Low-Priority Service via End Point Conditional Randomized Protocols |

Conference Publications

| Sl. No. | Name of the conference / seminar | Held on | Paper Name |
|---------|---|---|---|
| 01 | International conference on Computational Intelligence and Data Analysis (ICCIDA-2018) Note: published by Springer | 26 th – 27 th October 2018 | Adaptive Social Spider Algorithm optimization for Solving Travelling Salesman Problem |

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| 02 | International Conference on Computational Intelligence in Data Mining (ICCIDM-2015) Note: published by <i>Springer</i> | 05 th - 06 th December 2015 | A low complexity FLANN architecture for Forecasting Stock Time Series Data Training with Meta-Heuristic Firefly Algorithm |
| 03 | International Conference on Power, Communication, and Information Technology (PCITC-2015) Note: Published by <i>IEEE</i> | 15 th - 17 th October 2015 | Locally Recurrent Functional Link Fuzzy Neural Network and Unscented H-infinity Filter for Short-term Prediction of Load Time Series in Energy Markets |
| 04 | CSI-2014: 49th annual Convention & International Conference on Emerging ICT for bridging future Note: published by <i>Springer</i> | 12 th – 14 th December 2014 | Dynamic Recurrent FLANN Based Adaptive Model for Forecasting of Stock Indices |
| 05 | CSI-2014: 49th annual Convention & International Conference on Emerging ICT for bridging future Note: published by <i>Springer</i> | 12 th – 14 th December 2014 | An Intelligent stock forecasting system using a unify model of CEFLANN, HMM and GA for stock time series phenomena |
| 06 | Second International Conference on Computing and Systems, ICCS-2013 Technically Co-Sponsored by IEEE, Kolkata Chapter | 21 st – 22 nd September 2013 | An Evolutionary Intelligent Prediction System Using CANFIS for Forecasting Indian Stock Indices |
| 07 | IEEE INDICON 2012 Note: Published by <i>IEEE</i> | 7 th - 9 th December 2012 | Forecasting and Classification of Indian Stocks Using Different Polynomial Functional Link Artificial Neural Network |
| 08 | International conference on soft computing for problem solving ScoPros-2011 Note: published by <i>Springer</i> | 20 th -22 nd December 2011 | Efficient Prediction of Stock Market Indices using Adaptive Neural Network |
| 09 | International Conference on Wisdom Based Computing ICWBC 2011 | 28 th -29 th May 2011 | Network Security Evaluation Based on Information Security |
| 10 | International conference on nanoscience, engineering & advanced computing ICNEAC-2011 Swarnandhra College of Engineering & Technology in collaboration with IACQER Advanced Research Lab | 8 th – 10 th July 2011 | Performance Enhancement through Association Rule Mining With Hashing and Pipelining |
| 11 | MIPSCCON-2011 Technically Co-Sponsored by IEEE, Hyderabad | 7 th – 9 th April 2011 | A Stock Market Prediction Model Based on Wavelet Neural Network |
| 12 | MIPSCCON-2011 Technically Co-Sponsored by IEEE, Hyderabad | 7 th – 9 th April 2011 | A Soft Computing Approach for Nonlinear Time Series Analysis and Prediction |
| 13 | IEEE ICCCT 2010 Note: published by <i>IEEE</i> . | 7 th – 9 th October 2010 | Power Signal Classification using Adaptive Wavelet Network |
| 14 | National Conference on Advances in Electrical Power & Energy Systems NCEPES – 2010 | 1 st & 2 nd October 2010 | H-Infinity Dynamic Neural Information Systems for Data Mining Applications in Energy Markets |

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| 15 | International Seminar on Artificial Intelligence and Applications | 10 th & 11 th December 2009 | PNN Based Pattern Classifier for Non-Stationary Signals |
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Book Chapter Publications

| Sl. No. | Name of The Journal | Author Names | Year | Book Title |
|---------|---|-------------------------|------|--|
| 01 | Computer Science & Information Management Publisher: Apple Academic Press (USA) Member of the Taylor & Francis Group Scopus (Elsevier) | D K Bebartha T K Das | 2018 | Chapter: Intelligent Techniques: An Overview Book: Intelligent Systems: Advances in Biometric Systems, Soft Computing, Image Processing and Data Analytics http://www.appleacademicpress.com/intelligent-systems-advances-in-biometric-systems-soft-computing-image-processing-and-data-analytics/9781771888004 |

Project Experience or Achievements

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| 01 | A three day national workshop conducted on 09 th -11 th march 2018, received fund from <u>SERB, DST, India</u> <u>File no. SSY/2018/000001</u> | “BIOLOGICAL INSPIRED COMPUTING AND APPLICATIONS” as Convener Amount Sanctioned: 1 Lakh |
| 02 | Working as NBA Program Coordinator at GMRIT for Tier-1 Accreditation in accreditation process for CSE dept. | 2013: Granted for two years 2015: Granted for two years (under Tier-1) |
| 03 | Working for curriculum design as BoS coordinator | Three times our curriculum revised and I have involved in monitoring and designing final copy of curriculum for CSE dept. AR-12, AR-13 and AR-16 |
| 04 | Worked for an International Conference MIPSCCON-2011 sponsored by <u>CSIR & DST</u> 7 – 9 April 2011 | International Conference on Machine Intelligence Application to Power, Signal Processing, Communication and Control - MIPSCCON-2011 as Coordinator, at GMRIT. Technically Co-Sponsored by IEEE, Hyderabad |
| 04 | Worked on a MODROB project. sponsored by <u>AICTE</u> ORGANIZATION: GMRIT, RAJAM | Project Name: 3D Specialization Laboratory. Software Used: Autodesk Maya 2010, Adobe CS4, StoryBoard Pro. as Project Co-coordinator. Amount Sanctioned: 8 Lakhs |
| 05 | Worked on for a SDP during 12 th to 21 st may 2008, sponsored by <u>AICTE</u> | SDP on “Soft Computing Applications in Data Mining” Organization: GMRIT, Rajam as Co-coordinator. Amount Sanctioned: 2 Lakhs |
| 07 | Worked on A MODROB project. sponsored by <u>AICTE</u> Organization: GIET, Gunupur | Project Name: Creation of Facilities for Integrating E-Learning with Traditional Education (A Multi-Disciplinary Project). as Project Coordinator/Principal Investigator Amount Sanctioned: 15 Lakhs |

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| 08 | Project for partial completion of M Tech program(2002) Organization: KSPL, BBSR | Project Name: Office Automation System for IBAT. Software Used: Visual Basic 6.0, Crystal Report, SQL Server. Designation: as a Member of the project |
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Participation in Conferences/Seminars/Workshops

1. Two-day training program on "Problem Solving Technique" conducted by GMR Sugar Industries, Sankili from 30th & 31st Jan - 07.
2. Workshop on "Information Security" held at GMRIT, Rajam from 02.02.2007 to 03.02.07
3. Faculty Development Program on "Open Source and IBM Community Edition", GMRIT, Rajam from 20.06.2007 to 21.06.2007
4. National Workshop on "Soft Computing Applications" held at GMRIT, Rajam from 08.02.2008 to 09.02.2008
5. AICTE SDP on "Soft Computing Applications in Data Mining", GMRIT, 09th to 18th May, 2008
6. AICTE QIP on "Wireless Security", IISc, Bangalore, 9th to 13th March,09
7. International Conference on "Software Engineering", Computer Society of India, Chennai, 17th to 19th Dec'09
8. 2-Day National workshop on "Advanced Signal Processing Applications in Electronics and Telecommunications" (WASET-2010) held at GMRIT on 19-20 February 2010.
9. International Conference on IEEE ICCCT 2010, 7 – 9 Oct. 2010 Syed Ammal Eng Col., Ramanathapuram.
10. DST sponsored National Workshop on "Statistical Computing", GMRIT, Rajam, 20th to 24th Dec'2010
11. International Conference on MIPSCON-2011 7 – 9 April 2011 GMRIT, Rajam
12. Mission 10X Workshop, GMRIT, Rajam, 19th to 23rd July, 2011
13. Mission 10X Advanced Workshop, GMRIT, Rajam, 19-09-2011 to 20-09-2011
14. International conference on soft computing for problem solving ScoPros-2011, 20-22 Dec. 2011, IIT Roorkee
15. "Advances in Wireless Technologies" Two Day National Seminar in GMRIT, Rajam on 2nd to 3rd March, 2012
16. IEEE INDICON 2012, 7th - 9th , 2-4 Dec2012, at Rajagiri School of Engineering and Technology, Kochi
17. One Day Training Latex Programme on 1st May, 2013
18. 49th annual Convention & International Conference on Emerging ICT for bridging future, 12 – 14 December, 2014, Hyderabad
19. Two day national workshop on "Big Data and Hadoop (NWBDH-2014)" GMRIT, Rajam, on 18th and 19th Dec. 2014.
20. International Conference on Power, Communication, and Information Technology (PCITC-2015), 15th - 17th Oct, 2015, SOA University, Bhubaneswar.
21. FDP on "Objective Oriented, Enriched, Revised Bloom's Taxonomy" conducted at GMRIT, Rajam on 16th & 17th Sept. 2016.
22. A two-day workshop on "Empowering Engineering Faculty in Question Paper setting", conducted at GMRIT, Rajam on 11th & 12th November 2016.
23. One week Faculty Development Programme (FDP) on "Sensor Networks and Internet of Things", conducted at GMRIT Rajam in association with NIT, Warangal, from 14th - 19th Feb – 2017.
24. One week Faculty Development Programme (FDP) on "Analytics using R", conducted at GVPCEW, Vishakhapatnam, from 13th - 17th November – 2017.
25. A three-day national workshop on "BIOLOGICAL INSPIRED COMPUTING AND APPLICATIONS", at GVPCEW, Vishakhapatnam, from 09th - 11th November – 2018.
26. A one-day Workshop on "Quality Enhancement, Assessment and Accreditation of Engineering Colleges" at JNTUK Kakinada, Kakinada on 11-11-2019

Subjects Teaching for B. Tech. & M. Tech. (Comp. Sc. & Eng)

Database Management System, Network Security & Cryptography, Design & Analysis of Algorithms, Data Structure, C, C++, OOPS, AI, Neural Network, Compiler Design, Software Engineering, Soft Computing, Computer Graphics, Information Security, Advanced data structure, OOAD, Operating system, Digital Logic Design, Advanced Operating Systems.

Personal Information

Name : **Dr. Dwiti Krishna Bebarta**
 Designation : **Associate Professor**
 Father’s Name : **Sri Narayan Bebarta**
 Present gross salary : **Rs. 108000.00/-**
 Date of Birth : **10.06.1973**
 Sex : **Male**
 Marital Status : **Married and father of a son and a daughter**
 Nationality : **Indian**
 Interests : **Playing Chess, Gardening, Computers**

I hereby declare that all the information given by me is true to my knowledge and belief.

Date: 01/12/2019

Place : Vishakhapatnam

Dwiti Krishna Bebarta

The screenshot shows a Google Scholar profile for Dr. Dwiti Krishna Bebarta. The profile includes a profile picture, a 'FOLLOW' button, and a list of publications. The publications list includes titles, citation counts, and years. To the right, there is a 'Cited by' section with a table and a bar chart showing citation trends from 2014 to 2019. Below the publications, there is a 'Co-authors' section listing Prof. PK Dash from Siksha O Anusandhan University.

| | All | Since 2014 |
|-----------|-----|------------|
| Citations | 75 | 75 |
| h-index | 4 | 4 |
| i10-index | 2 | 2 |

| TITLE | CITED BY | YEAR |
|--|----------|------|
| Forecasting and classification of Indian stocks using different polynomial functional link artificial neural networks DK Bebarta, B Biswal, AK Rout, PK Dash India Conference (INDICON), 2012 Annual IEEE, 178-182 | 26 | 2012 |
| Comparative study of stock market forecasting using different functional link artificial neural networks DK Bebarta, B Biswal, PK Dash International Journal of Data Analysis Techniques and Strategies (IJDATS) 4 ... | 21 | 2012 |
| A Low Complexity FLANN Architecture for Forecasting Stock Time Series Data Training with Meta-Heuristic Firefly Algorithm DK Bebarta, G Venkatesh Computational Intelligence in Data Mining—Volume 1, 377-385 | 6 | 2016 |
| Polynomial based functional link artificial recurrent neural network adaptive system for predicting Indian stocks DK Bebarta, B Biswal, PK Dash | 6 | 2015 |