



Subhakanta Dash, Ph.D.

Designation : Associate Professor

Department : Department of Computer Science and Engineering
(JOINED THE INSTITUTE IN 2001)

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RESEARCH INTERESTS

- ✓ Optimization Engineering

Academic Qualifications

Ph. D. (Mathematics), Biju Patnail University of Technology, Odisha, India

M. Phil. (Mathematics) Utkal University, Odisha, India

M.B.A (Operation Management), IGNOU,

LL.B, Utkal University, Odisha, India

Teaching Experience/Industrial Experience/Research Experience

23+ years of teaching experience in Engineering Mathematics, Optimization Engineering, Probability of Random variable and Signal processing, Numerical Method, Statistical Inference, Operation Research etc.

PUBLICATIONS

JOURNAL ARTICLES & CONFERENCE PAPERS

1. Subhakanta Dash, S.P.Mohanty , " Transportation Programming Under uncertain Environment" , International Journal of Engineering Research and Development, Vol 7, Issue-9, pp: 22-28, (2013).
2. Subhakanta Dash, S.P.Mohanty , " Transshipment Problem with Fuzzy and Rough Cost" , Journal Of The Orissa Mathematical Society, Vol 33, No-1, pp: 115-129,(2014).

3. Subhakanta Dash, S.P.Mohanty , "Transportation Problem with Uncertain Cost, Rough Demand and Supply" International Journal of Operation Research, Vol 13, No-3, pp: 085-094(2016).
4. Subhakanta Dash, S.P.Mohanty , ""Uncertain transportation model with rough unit cost, demand and supply " OPSEARCH Springer, pp : 1-13 DOI : 10.1007/s12597-017-0317-6.(2017)
5. Annapurna Mishra, Nalin Singh, Soumya R Samal, Subhakanta Dash, ' Biogeography Based Optimized Hybrid Chebyshev FLANN for Fingerprint Classification,' 1st International Conference on Circuits, Power and Intelligent Systems (CCPIS), IEEE(2023)

Book Chapter :

1. Subhakanta Dash, S.P.Mohanty, ' A Transportation model with rough cost, demand and supply,' Modelling and Applications in Operation Research' CRC press, Taylor & Francis Group.

Conferences / Seminars / FDP / Workshop

1. National Conference on 'Role of Mathematics in Engineering & Technology' (Sponsored by CSIR) 22nd -23rd Feb 2003 at IACR , Rayagada, Odisha
2. Seminar on 'Communication for Professionals :Needs, Goals & Statergies ' 7th Nov 2004 at SIT , BBSR
3. UGC sponsored Instruction conference on 'Mathematical Methods in science and Engineering Computation' 18th-25th February 2007 at PG Dept of Mathematics, Utkal University, Vani Vihar, BBSR
4. 35th Annual Conference of Odisha Mathematical Society, 2nd – 3rd Feb 2008, Dept. Of Mathematics, S.B.Women's college, Cuttack
5. 36th Annual Conference of Odisha Mathematical Society, 7 - 8th Feb 2009, IMA,BBSR
6. National Seminar on Probability and Analysis, 11-12th Feb' 2009, IMA, BBSR
7. Faculty Development program(FDP) on Business Research : Advanced Tools & Techniques, 16th-17th January 2010 , IBCS, SOA University.
8. 38th Annual Conference of Odisha Mathematical Society and National seminar on Role of Mathematics in Engineering and Technology, 8 - 9th Jan 2011, ITER, BBSR.
9. Workshop on Numerical Optimization and Its Engineering Applications, 7 – 10th July 2011, SIT ,BBSR
10. National Conference on Future Trends in Information and Communication technology and Application, 10th Sept 2011, SIT ,BBSR.
11. National Seminar on Optimization and Its Applications, 16 - 17th Dec' 2011, TAT,BBSR

12. Seminar on 'Professional Ethics and Human values for Engineers'
23rd-24th Dec -2011 at SIT, BBSR
13. 39th Annual Conference of Odisha Mathematical Society and National Seminar on Cryptography, VIT,(BBSR), 2012
14. 99th Indian Science Congress, 3 - 7th Jan' 2012, KIIT University, BBSR.
15. Two-week ISTE workshop on Fluid Mechanics conducted by IIT Khargpur from 20th-30th May 2014 at SIT Bhubaneswar.
16. Workshop on Graph Theory and Applications, 15th-19th Dec 2015, SIT,BBSR
17. Workshop on Scientific Document Preparation Using LATEX, 28 - 29th Dec 2015, SIT,BBSR
18. Workshop on 'Finite Element Method for Electrical Engineers with Matlab Implementation, 6th to 16th November 2017, SIT, BBSR.
19. National Seminar on Reaching the unreached through Science and Technology, 17-18th Dec 2017, KIIT, BBSR
20. 11th AISSQ Conference on 'Mathematics & Reality' 6-7th OCT 2018, IIT, BBSR.
21. National Seminar on Data Science with 46th Annual Conference of OMS, 19th-20th Jan 2019, SIT, BBSR.
22. National Seminar on 'Science and Technology : Rural Development', 13-14th Dec 2019, KIIT.Odisha
23. Workshop on 'Functional Materials for Emerging Technology (BPUT TEQIP-III sponsored) , 13th -15th Feb 2020, SIT, BBSR.
24. FDP on 'Computational Linear Algebra' , 10th-31st August 2020, SIT, BBSR.
25. FDP on 'Data Science', 7th Sept to 11th Sept 2020, NIT, Andrapradesh (ATAL)
26. FDP on 'Data Science', 21st Sept to 25th Sept 2020, NIT, Raipur (ATAL)
27. International Webinar on 'Numerical Linear Algebra' 5th December 2020 , OPS Mahavidyalaya, Dhenkanal, Odisha.
28. STTP on 'Professional Ethics & Human Values' (AICTE sponsored), 22nd-27th March 2021, SIT, BBSR
29. International Conference on 'Analysis and Discrete Mathematics', 26th-27th March 2022, PG Dept of Mathematics, Utkal University, Vani Vihar, BBSR.
30. FDP on 'Mathematical Concepts and Building Blocks for Simulation' , 7th to 23rd August 2023, SIT, BBSR

Online Certificate Courses:

1. 'Quantitative Foundations for International Business'
University of London.
2. 'Mathematics for Machine Learning: Linear Algebra'
Imperial College London.
3. 'Introduction to Probability and Data with R' Duke University.
4. 'Data Science Math Skills' Duke University.

5. 'An Intuitive Introduction to Probability' University of Zurich.
6. 'Mathematics for Machine Learning' Imperial College London.
7. 'Mathematical Biostatistics Boot Camp 1' John Hopkins University.
8. 'Probability and Statistics: To p or not to p?' University of London.
9. 'Vector Calculus for Engineers' The Hong Kong University of Science and Technology.
10. 'Introduction to Calculus' The University of Sydney.
11. 'Statistics for International Business' University of London.
12. 'Matrix Algebra for Engineers' authorized by The Hong Kong University of Science and Technology.
13. 'Mathematics for Machine Learning: PCA' Imperial College London.
14. 'Differential Equations for Engineering' The Hong Kong University of Science and Technology.
15. 'Calculus and Optimization for Machine Learning' Higher School of Economics, National Research University.
16. 'Fibonacci Numbers and the Golden Ratio' The Hong Kong University of Science and Technology.