

Name : Amarnath Bose
Designation : Chairperson - Internal Quality Assurance Cell
Professor of Operations and Decision Science
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BIOSKETCH:

Professor of Decision Sciences in the Operations and Decision Science area at Birla Institute of Management Technology. Joined BIMTECH in June 2009 as an Associate Professor in the Operations Area. I teach papers in Quantitative techniques, including Business Statistics, Research Methodology and Predictive Business Analytics.

Prior to joining academia in 2009, I have worked for 27 years in the Information Technology sector where I have worked with several Indian IT majors. My experience is in end-to-end IT project management for big international clients, and have been involved in Account Management, Project Management, Software Architecture, Quality Assurance, Feasibility Studies and Critical Information Systems Planning. I have brought many critical projects to successful conclusion. I have a deep understanding of requirements, stated as well as implicit, and the experience of designing appropriate solutions.

EDUCATION:

Ph.D. in Management Science, Mysore University, Performance Measurement of clustered Decision Making Units synthesizing Data Envelopment Analysis and Neural Networks, 2015.

M. Tech. in Computer Science, Indian Statistical Institute, 1982

M. Stat. with specialization in Applied Statistics and Data Analysis. Indian Statistical Institute, 1980

B. Stat. Indian Statistical Institute, 1979

AREA OF INTEREST AND RESEARCH

- Analytic Hierarchy Process, particularly issues of Consistency
- Data Envelopment Analysis
- Machine Learning, with focus on Neural Networks and Genetic Algorithms
- Fuzzy AHP
- Computational techniques using R, Python

TEACHING COURSES AND NEW COURSES DEVELOPED

- Business Statistics
- Research Methodology
- Predictive Analytics

- Actuarial Mathematics
- Management Science
- Business Modeling and Simulation

EXPERIENCE

- Professor, Operations & Decision Sciences, Birla Institute of Management Technology, Greater Noida, India, June 2018 – onwards.
- Associate Professor, Operations & Decision Sciences, Birla Institute of Management Technology, Greater Noida, India, 2009 – 2018.
- Principal Architech, Tech Mahindra Limited, 2006 - 2009
- Senior Project Manager, Interra Technologies Limited, 2004 – 2006
- Project Director, HCL Perot Systems, 1999 – 2004
- Senior Consultant, Globsyn Technologies Limited, 1996 – 1999
- Project Manager, NIIT Limited, 1992 – 1996
- Assistant Manager, Indian Oxygen Limited, 1985 – 1992
- Programmer Analyst, Regional Computer Centre, 1984 – 1985
- Software Engineer, ORG Systems, 1982 - 1984

ACADEMIC POSITIONS AND ASSIGNMENTS

- Coordinator IQAC, 2017 – Present.
- Member – Examination Committee.

RECOGNITIONS AND AWARDS

- Distinguished Service Award, Birla Institute of Management Technology, 2019.

RESEARCH PAPERS AND WORKING PAPERS

- Bose, A. and Patel, G.N., “NeuralDEA” – A framework using Neural Network to reevaluate DEA benchmarks, OPSEARCH, Springer, Volume 52, Issue 1 (2015), Page 18–41, DOI: 10.1007/s12597-013-0170-1
- Patel, G.N. and Bose, A., Seeking Alternative DEA Benchmarks, OPSEARCH, Springer, (2014), DOI: 10.1007/s12597-013-0130-9
- Aditi Mudgal, Amrendra Pandey, Amarnath Bose, Pankaj Priya, “Online video narratives – Striking the right chords?”, Academy of Marketing Studies Journal, Volume 24(1), ISSN: 1528-2678

RESEARCH IN PROGRESS

- Bose, A., under Review with OPSEARCH: “Using Genetic Algorithm to improve consistency and retain authenticity in the Analytic Hierarchy Process”,
- Veenu Sharma, Amrendra Pandey, Amarnath Bose, under processing with The Marketing Review, “A meta trend analysis of retail atmospherics research using text mining”

BOOKS, CHAPTERS AND TECHNICAL REPORTS

Book Chapter-

- Patel, GN, Reddy, Arpitha, Mudgal, Aditi, Bose, Amarnath. (2017). 'Beyond Ranking - A Methodological Approach to Benchmarking B-Schools' in edited book by Dr. Harivansh Chaturvedi on Higher Education in India

EDITORIAL POSITIONS AND REVIEWS

- Invited Reviewer, European Journal of Operational Research, 2015 – onwards. Completed 7 reviews
- Invited Reviewer, Decision Support Systems, 2019 – onwards. Completed 5 reviews
- Invited Reviewer, Journal of the Operational Research Society, 2019 – onwards. Completed 3 reviews.

CONFERENCE, SEMINAR PAPER AND PRESENTATIONS

- Amarnath Bose and G.N. Patel. Local Efficiency in DEA – An approach based on clustering, presented in the 9th International Conference on Data Envelopment Analysis, DEA2011, Thessaloniki, Greece.

MAGAZINE AND NEWSPAPER ARTICLES

- Amarnath Bose, (2017, November 30). Self-reflection is the key to improvement for Indian universities, Times Higher Education

MDP SESSIONS, WORKSHOPS AND TECHNICAL LECTURES

- Analytics Workshop at NHPC: August 2018, A Bose and G N Patel
- Workshop on Predictive Analytics with R: September 2017, A Bose and Amrendra Pandey

DOCTORAL DISSERTATIONS AND AWARDS

- 3 doctoral candidates in progress at different stages
- Successfully defended my Ph.D. dissertation and earned Ph.D. in Management Science in December 2015.