

Somnath Mukhopadhyay
Professor, Marketing and Management Department
College of Business Administration (COBA), the University of Texas at El Paso (UTEP),
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El Paso, TX, 79968-0544
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1. EDUCATION

- Ph.D. Arizona State University – Phoenix, Arizona
Major: Management Science
Dissertation: Pattern Classification and Construction of Neural Net
Classifiers Using Linear Programming
- M.S. Arizona State University – Phoenix, Arizona
Major: Management Science
- B.E. First Class Honors, Jadavpur University, Calcutta, India
Major: Mechanical Engineering

2. PROFESSIONAL EXPERIENCE

TEACHING

- 2020 September – Present Professor of Marketing and Management
Department
- 2013 September – 2020 August Associate Professor of Marketing and Management
Department
- 2008 September – 2013 August Associate Professor of Information and Decision
Sciences Department (IDS)
- 2002 September - 2008 August Assistant Professor of Information and Decision
Sciences Department (IDS)

Summary of Courses Taught

Taught graduate and undergraduate courses at the COBA, UTEP, Graduate and Undergraduate Management Sciences, Operations and Supply Chain Management, and Business Statistics (MBA and International Business Ph.D. students)

INDUSTRY

- (2019 – Present) Advisor, Absolute Analytics and Management LLC, Powder Spring, GA, USA
- (1999 – 2002) Project Manager, Network Development, Delta Air Lines.
- (1992 – 1998) Senior Consultant, Yield Management, SABRE Technology Solutions and American Airlines Decision Technology.
- (1990) Software Engineer, Software Quality Department, AG communication systems (AT&T and GTE joint venture)

3. FELLOWSHIPS AND AWARDS

- 2022 College of Business Administration Administrative Fellow
- 2019 Best College of Business Administration Research Paper Award, UTEP
- 2019 Best Operations & Supply Chain Management Department Research Paper Award, UTEP
- 2014 Marketing and Management Department OSCM Best Research Paper Award
- 2011, 2012 listing in Marquis Who's Who
- 2010 Excellence in College of Business Graduate Instruction Award
- 2010 Conference-wide Best Paper Award, International Conference on Modeling and Applied Simulation, 2010, Morocco, MAS 2010 titled "*Inventory Control Performance of Various Forecasting Methods When Demand is Lumpy*"
- 2007 Best College of Business Research Paper Award, UTEP
- Research and Sponsored Programs Outstanding Performance Award, UTEP

- 1991, Visiting Research Assistant, Parallel Distributed Processing Group, Stanford University
- Research Assistant, College of Business, Arizona State University
- Teaching Assistant, College of Business, Arizona State University
- First Class Honor Role in Bachelor of Mechanical Engineering
- Indian National Scholar based on high school leaving exams

4. RESEARCH PUBLICATIONS

Peer-reviewed Journal Articles (published / accepted)

Published/Accepted

1. Olivas, D., Mukhopadhyay, S., and Frankwick, G., Effects of Ethnicity and Gender on Ethically Driven Small Business Performance, *Journal of Small Business and Enterprise Development*, accepted on April, 2022.
2. Arslan, F., Bagchi, K., Mukhopadhyay, S., and Ablanedo-Rosas, J. H. “A Multi-Country Empirical Study Of ICT-Induced Productivity Variances by Economic Magnitude and Industry”, *Information Resources Management Journal*, accepted December, 2021.
3. Mukhopadhyay, S., Samaddar, S., Solis, A., and Roy, A. “Disease detection analytics: A simple linear convex programming algorithm for breast cancer and diabetes incidence decisions”, *Decision Sciences Journal*, Vol. 52, No. 3, 2021, 661-698.
4. Ruiz-Torres, A.J., Ablanedo-Rosas, J.H., Mukhopadhyay, S. and, Paletta, G. “Scheduling workers: A multicriteria-model considering their satisfaction”, *Computers & Industrial Engineering*, 128, 2019, 747-754.
5. Gonzales, M. L., Mukhopadhyay, S., Bagchi, K. and Gemoets, L. “Factors Influencing Business Intelligence-Enabled Success in Global Companies: An Empirical Study”, *International Journal of Business Information Systems*, Vol. 30, No. 3, 2019, 324-347.
6. Fullerton, T., Mukhopadhyay, S. and, Walke, A. “Econometric versus Neural Network Transportation Forecasts”, *AAJEE*, Vol.18, No.1, 2018, 79-91.

7. Solis, A., Francesco Longo, F., Mukhopadhyay, S. and Nicoletti, L. “An empirical investigation of comparative performance of approximate and exact corrections of the bias in Croston’s method in forecasting lumpy demand”, *International Journal of Simulation and Process Modelling*, Vol. 12, No. 6, 2017, 535-550.
8. Nargundkar, S., Samaddar, S. and Mukhopadhyay, S. “A Guided problem-based learning (PBL): Impact on critical thinking”, *Decision Sciences Journal of Innovative Education*, Vol. 12, No. 2, 2014, 91-108.
9. Fullerton, T. and Mukhopadhyay, S. “Border region bridge and air transport predictability”, *Journal of Business and Economics*, Vol. 4, No. 11, 2013, 1089-1104.
10. Roy A., Mackin, P.D. and Mukhopadhyay, S. “Methods for pattern selection, class-specific feature selection and classification for automated learning”, *Neural Networks*, Vol. 41, May (2013), 113–129.
11. Torres, A.J.R., Ablanedo, R.J.H. and Mukhopadhyay, S. “Supplier allocation model for textile reallocation operations” *International Journal of Logistics Systems and Management*, Vol. 15, No. 1, 2013, 108-124.
12. Mukhopadhyay, S., Solis, A.O., and Gutierrez, R.S., “The Accuracy of non-traditional versus traditional methods of forecasting lumpy demand”, *Journal of Forecasting*, Vol. 31, No. 8, 2012, 721-735.
13. Mandal, P., Mukhopadhyay, S., Bagchi, K., Gunasekaran, P. “The impact of organizational study and culture, people, and, technology management on organizational practice and performance: An empirical analysis, *International Journal of Information Systems and Change Management*, 2012, Vol. 6., No. 2, 2012, 160-175.
14. Joseph, J. and Mukhopadhyay, S. “A Bi-national examination of gender and IT adoption.” *International Journal of Society Systems Sciences*, Vol. 2, No. 3, 2010, 255-268.
15. Mukhopadhyay, S and Wei, Z. “Predicting corporate performance in China’s privatized firms using linear models and neural networks”, *International Journal of Decision Science*, Vol. 1, No. 1, 2010, 55-77.
16. Mukhopadhyay, S., Bagchi, K., and Udo, G. “Modeling mobile technology growth using diffusion models and neural networks”, *International Journal of Electronic Business*, Vol. 7, No. 6, 2009, 553-580, 2009.

17. Brouthers, L., Mukhopadhyay, S., Wilkinson, T.J., and Brouthers, K. D. "International market selection and MNE performance", *Journal of World Business*, Vol. 44, No. 3, 2009, 262-273.
18. Mahmood, M. A., Mukhopadhyay, S. and Joseph, J. "Consumer purchasing behaviors and e-Commerce adoption factors", *International Journal of Electronic Business*, Vol. 7, No. 4, 2009, 348-370.
19. Mukhopadhyay, S. Samaddar, and Nargundkar, S. "Predicting electronic commerce growth: An integration of diffusion and neural network models", *Journal of Electronic Commerce Research*, Vol. 9, No. 4, 2008.
20. Mukhopadhyay, S. "Predicting the diffusion of innovative products using neural networks", *International Journal of Management and Decision Making*, Vol. 9, No. 4, 2008, 429-440.
21. Mukhopadhyay, S., Mahmood, M. A., and Joseph, J.L. "Measuring internet commerce success: What factors are important?" *Journal of Internet Commerce*, Vol. 7, No. 1, 2008, 1-28.
22. Gutierrez, R. S., Solis, A. O., and Mukhopadhyay, S. "Lumpy demand forecasting using neural networks." *International Journal of Production Economics*, 111, 2008, 409-420.
23. Mukhopadhyay, S., Samaddar, S., and Colville, G. "Improving revenue management decision making for airlines by evaluating analyst adjusted passenger demand", *Decision Sciences*, Vol. 38, No. 2, 2007, 307-325.
24. Mukhopadhyay, S. "Predicting Global Diffusion of the Internet: An alternative to diffusion models." *Communications of the Association for Information Systems*, January 2006.
25. Bagchi, K. and Mukhopadhyay, S. "Predicting global internet growth using augmented diffusion, fuzzy regression and neural network models", *International Journal of Information Technology and Decision Making*, Vol. 5, No. 1, 2006, 155-171.
26. Samaddar, S., Mukhopadhyay, S., and Nargundkar, S. "Understanding the growth of E-commerce: Diffusion modes and a multilayered perception neural network Approach", *The International Journal of Applied Management & Technology*, Spring Issue 2004, 114-125.

27. Roy, A. and Mukhopadhyay, S. "Iterative generation of higher-order nets in polynomial time using linear programming", *IEEE Transactions on Neural Networks*, Vol. 8, No. 2, 1997, 402- 412.
28. Mukhopadhyay, S., Roy, A., Kim, L.S. and Govil, S. "A polynomial time algorithm for generating neural networks for pattern classification: Its stability properties and some test results", *Neural Computation*, Vol. 5, No. 2, 1993, 225-238.
29. Roy, A., Kim, L.S., and Mukhopadhyay, S. "A polynomial time algorithm for the construction and training of a class of multilayer perceptrons", *Neural Network*, Vol. 6, No. 4, 1993, 535-545.
30. Roy, A. and Mukhopadhyay, S. "Pattern classification using linear programming", *INFORMS Journal on Computing*, Vol. 3, No. 1, 1991, 66-80.

Peer-reviewed Proceedings Articles

1. Mukhopadhyay, S. "Revenue Management for Service Industry", *2nd Joint Annual Management Conference & Workshop between the University of Texas at El Paso and IMT, Nagpur - Theme: Doing Business in Emerging Markets*, January 2020
2. Olivas, D., Frankwick, G., & Mukhopadhyay, S. (2018), Impact of community-mindedness, social responsibility, ethics, culture and gender of Hispanic and White Small business owners on their business performance and job satisfaction, *International Council of Small Business - Paris World Congress*, 2018
3. Samaddar, S., Mukhopadhyay, S. and Nargundkar, S. "Forecasting for hotel revenue management by using AI & other methods", *INFORMS Proceedings*, Houston, U.S.A., October 2017
4. Mukhopadhyay, S. & Samaddar, S. "Analyzing disease data for detection: A comparison of methods", *INFORMS Proceedings*, Houston, U.S.A., October 2017
5. Mukhopadhyay, S., Bagchi, K. and Samaddar, S. "Global growth of service innovation: Influence of national culture and organizational structure", *Proceedings of the 47th Annual Meeting of the Decision Sciences Institute*, Seattle, Washington, U.S.A., November 2016

6. Samaddar, S. and Mukhopadhyay, S. “Disease detection analytics: Comparing and contrasting the performance of popular predictive models for breast cancer and diabetes datasets”, 2016 *INFORMS Proceedings*, Nashville, U.S.A., November 2016
7. Mukhopadhyay, S., Samaddar, S. and Nargundkar, S. “Forecasting for effective hotel revenue management”, *Proceedings of the 46th Annual Meeting of the Decision Sciences Institute*, Seattle, Washington, U.S.A., November 2015
8. Mukhopadhyay, S., Samaddar, S. and Nargundkar, S. “A Framework of revenue opportunity in hotel management – An optimal room allocation approach.”, *Proceedings of the 45th Annual Meeting of the Decision Sciences Institute*, Tampa, Florida, U.S.A., November 2014
9. Solis, A. O., Longo, F., Nicoletti, L., Brasacchio, V. and Somnath Mukhopadhyay, S. “Approximate and exact corrections of the bias in Croston’s methods when forecasting lumpy demand: Empirical evaluation”, *Modeling and Simulation (MAS) Conference*, Bordeaux, France, September 2014
10. Mukhopadhyay, S., Samaddar, S. and Nargundkar, S. “A Framework of revenue opportunity in hotel management – An optimal room allocation approach”, *Proceedings of the 45th Annual Meeting of the Decision Sciences Institute*, Tampa, Florida, U.S.A., November 2014
11. Nargundkar, S., Samaddar, S. and Mukhopadhyay, S. “The use of guided social media to enable critical thinking”, *Proceedings of the 44th Annual Meeting of the Decision Sciences Institute*, Baltimore, Maryland, U.S.A., November 2013
12. Bagchi, K. and Mukhopadhyay, S. “The determinants of quality of software development projects”, *Proceedings of the 44th Annual Meeting of the Decision Sciences Institute*, Baltimore, Maryland, U.S.A., November 2013
13. Nargundkar, S., Samaddar, S. and Mukhopadhyay, S. “A guided problem-based learning (PBL) Approach using a reversed textbook: An application to a core business analysis course.” *Proceedings of the 44th Annual Meeting of the Decision Sciences Institute*, Baltimore, Maryland, U.S.A., November 2013
14. Solis, A.O., Nicoletti, L., Mukhopadhyay, S., Agosteo, L., Delfino, A., and Sartiano, M., “Intermittent demand forecasting and stock control: An empirical study”, *Proceedings of*

the 11th International Conference on Modeling & Applied Simulation, Vienna, Austria, September 2012, 367-374

15. Bagchi K. and Mukhopadhyay S. (2012) Does Social Communicability Mediate the Role of Trust in Mobile Phone Adoption? An Individual Level Multi-nation Exploratory Study, In: Satapathy S.C., Avadhani P.S., Abraham A. (eds) *Proceedings of the International Conference on Information Systems Design and Intelligent Applications 2012* (INDIA 2012) held in Visakhapatnam, India, January 2012, Advances in Intelligent and Soft Computing, Vol. 132, Springer, Berlin, Heidelberg
16. Gonzalez, M., Mukhopadhyay, S. and, Gemoets, L. “BI factors for competitive advantage”, *Proceedings of the 41st Annual Meeting of the Decision Sciences Institute*, November 2011, Boston, 4261-4270
17. Parra, F., Gemoets, L., Mukhopadhyay, S “On a Firm’s Core Competency through Information Systems: a Meta-Analysis”, *The 11th IAMB Winter Conference*, Nov. 7-9, 2011, San Francisco, CA
18. Bagchi, K., Tang, Z., and, Mukhopadhyay, S., “What differentiates attitude towards technology among technology-averse and technology-oriented people?”, *Proceedings of the 40th Annual Meeting of the Decision Sciences Institute*, November 2010, San Diego, 2571-2576
19. Solis, A.O., Mukhopadhyay, S., and, Gutierrez, R.S. "Inventory control performance of the various forecasting methods when demand is lumpy", *International Conference on Modeling and Applied Simulation*, 2010, Morocco, MAS 2010
20. Mukhopadhyay, S., Solis, A.O., and Gutierrez, R.S. "Accuracy of lumpy demand forecasting methods and their impact on inventory levels", *Proceedings of the 39th Annual Meeting of the Decision Sciences Institute*, New Orleans, Louisiana, U.S.A., November 2009, 2251-2256
21. Mukhopadhyay, S., Solis, A.O., and Gutierrez, R.S., "Lumpy demand forecasting techniques: A comparative study", *Proceedings of the Decision Sciences Institute International Conference*, Nancy, France, June 2009, 1099-1113
22. Choden, K., Mahmood, M. A., Mukhopadhyay, S., Luciano, E. “Organizational preparedness for information security breaches: An empirical investigation”, *Decision Science Institute Proceedings*, New Orleans, November 2009

23. Mukhopadhyay, S., Solis, A.O. and Gutierrez, R.S., “A comparison of four methods for forecasting lumpy demand”, *Decision Science Institute Proceedings*, Baltimore, November 2008
24. Mukhopadhyay, S. and Solis, A. “On the effectiveness of a proposed linear programming masking algorithm”, *International Conference on Quantitative Methods, Operations and Information Technology*, Hyderabad, India, October 2008
25. Mukhopadhyay, S. and Solis, A. “A Linear Programming Masking Algorithm for Pattern Classification”, *Western Decision Sciences Proceedings*, San Diego, March 2008
26. Mukhopadhyay, S. “Generalized value models of internet commerce for three segmented customer groups at a United States of America (USA) border city near Mexico”, *ISDSI conference at Ghaziabad*, India, January 2008
27. Samaddar, S., Bagchi, K, and Mukhopadhyay, S. “Trans-national service value creation: Influence of national culture”, *GITMA*, June 2008
28. Mukhopadhyay, S. “Evaluation of brain-like supervised learning in linear programming pattern classifiers”, *Decision Science Institute Proceedings*, Phoenix, November 2007.
29. Mukhopadhyay, S., Gutierrez, R.S., and Solis, A.O. “Analysis and forecasting of lumpy demand: Alternative approaches”, *Decision Science Institute Proceedings*, San Antonio, November 2006
30. Mukhopadhyay, S., Bagchi, K, and Udo, G. “Modeling mobile technology growth using diffusion models and neural networks”, *Decision Science Institute Proceedings*, San Antonio, November 2006
31. Mukhopadhyay, S., Mahmood, M. A., and Joseph, J. “Measuring internet-commerce success: What factors are important?”, *Decision Science Institute Proceedings*, San Antonio, November 2006
32. Mahmood, M. A., Joseph, J., and Mukhopadhyay, S. “Internet commerce success measures: A SEM-based empirical investigation”, *AMCIS Proceedings*, August 2006.
33. Mukhopadhyay, S. “Examining predictive validity of a new set of global internet adoption models including neural networks”, *7th Seventh International Conference on Operations and Quantitative Management (ICOQM-VII)*, August 2006

34. Solis, A., Mukhopadhyay, S., and Gutierrez, R. S. "Factors indicative of relative performance of methods for lumpy demand forecasting", *Western DSI Proceedings*, April 2006
35. Bagchi, K. and Mukhopadhyay, S. "How software piracy rates vary in different nations: some empirical results", *Decision Science Institute Proceedings*, San Francisco, November 2005
36. Mukhopadhyay, S. "Predicting global diffusion of the Internet: Traditional and connectionist models", *Decision Science Institute International Proceedings*, Barcelona, Spain, July 2005
37. Brouthers, L. E., Brouthers, K. E., Mukhopadhyay, S., and Wilkinson, T. J. "Dunning's framework, international market selection, and firm performance", *Academy of International Business*, Quebec City, Canada, July 2005
38. Mukhopadhyay, S. Samaddar, and Nargundkar, S. "Measuring the growth of e-commerce: Diffusion models and a multi-layered perceptron neural network approach", *Decision Science Institute Proceedings*, Boston, November 2004
39. Bagchi, K. and Mukhopadhyay, S. "Forecasting global internet growth using fuzzy regression, genetic algorithm and neural network", *IEEE Systems, Man, and Cybernetics Society Proceedings*, Las Vegas, November 2004
40. Bagchi, K. and Mukhopadhyay, S. "Global internet adoption: What factors are responsible?", *Decision Sciences Institute Proceedings*, Washington D.C., 2003
41. Samaddar, S., Nargundkar, S., and Mukhopadhyay, S. "The growth of E-Commerce: An empirical study of the diffusion of internet host sites", *Decision Sciences Institute Proceedings*, San Diego, 2002
42. Mukhopadhyay, S. and Wood, D. "Passenger Demand Forecasting with Neural Networks", *INFORMS*, Phoenix, November 1993
43. Mukhopadhyay, S. "LP classifier to solve a jigsaw puzzle problem", *INFORMS*, Orlando, April 1992
44. Roy, A. and Mukhopadhyay, S. "Polynomial time algorithm for generating neural networks for classification problems", *Proceedings of the International Joint Conference on Neural Networks (IJCNN)*, Baltimore, 1992

45. Mukhopadhyay, S. “Pattern Classification Using Linear Programming”, *Decision Sciences Institute Proceedings*, Miami, 1991
46. Mukhopadhyay, S. and Roy, A. “A clustering algorithm to eliminate outliers in supervised learning”, *INFORMS*, Philadelphia, October 1990

Book Chapter

- Mukhopadhyay, S. and Bagchi, K. “Quantitative modeling in introducing and managing new information in global business operations”, *Global Information Society: Operating Information Systems in a Dynamic Global Business Environment*, Lan Yi-Chen ed., Idea Group publishing, Hershey, PA, USA, 2005

5. TEACHING

Courses taught at the University of Texas at El Paso

IBUS 6300 *Introduction to Quantitative Methods and Statistics (International Business PhD)*

This course is an introduction to the statistical techniques used for research in business disciplines. It covers basic theories of statistics and its use for applied business research.

IBUS 6302 *Multivariate Statistics (International Business PhD)*

This course covers multivariate statistical techniques for applied business research.

IBUS 6306 *Applied Regression Analysis (International Business PhD)*

This course is an introduction to the applied regression analysis for solving international business problems.

POM 3322 *Advanced Production and Operations Management (Undergraduate)*

The course introduces the concepts of operations management such as goods, services, value chain, performance measurement, and operations strategy as a quick review. It covers the advanced topics on designing, implementing, and managing operations management. The topics include just-in-time (JIT) systems, flexible manufacturing systems (FMS), computer integrated manufacturing (CIM) and inventory management.

POM 5308 *Concepts of Production Management (Graduate)*

This course covers the topics related to the management of operations. The course introduces students to a variety of tools and techniques used by operations managers for effective decision-making.

QMB 3301 *Quantitative Methods in Business (Undergraduate)*

The course teaches how to solve many real-world business problems using quantitative methods. The methods include linear programming, network analysis, transportation linear programming, decision analysis and forecasting.

QMB 5311 *Quantitative Methods in Business*

(For regular, accelerated, and, executive MBAs)

This course is an introduction to the statistical techniques used for managerial decision-making. It covers the basic theory of statistics and its use for solving business problems.

6. SERVICE

2019-20 **Co-Chair of COBA's Second International Conference** on - *Facets of Doing Business in Emerging Markets* - jointly organized by IMT Ghaziabad, Raj Nagar, Nagpur (U.P.) India and College of Business Administration: University of Texas at El Paso (UTEP), January, 2020

2016 **Co-Chair of COBA's First International Conference** on - *Facets of Doing Business in Emerging Markets, ICFDB 2016* - jointly organized by IMT Ghaziabad, Raj Nagar, Ghaziabad (U.P.) India and College of

Business Administration: University of Texas at El Paso (UTEP), July 28
– 29, 2016

University, College, and, Department Committee

2020 – Present	University Library Advisory Committee
2019 – Present	University Academic Policy Committee
2019	Served as the Business College Faculty Marshal at UTEP winter commencement ceremony
2018 - 2021	COBA representative of the UTEP Data Science committee
2018 - 2021	COBA representative of the UTEP Infrastructure committee
2015	OSCM Faculty recruiting committee member
2014	Chaired the Merit committee of Marketing and Management department
2009 - 2013	Served on the College of business administration MBA policy committee
2013	Chaired the promotion and tenure committee of two Assistant Professors of Marketing and Management department
2013	Served on the University Faculty Senate Student Grievance Committee (Until August)
2012	Served on the University Faculty Senate Student Grievance Committee
2012	Served on various IDS department committee - Charitable Campaign/Gifts Coordinates, Learning Assessment Coordinators, Undergraduate and graduate Curriculum Committee, OSCM Program Committee, Department Advisory Board Committee
2003 – 2012	Served as the quantitative method courses coordinator for the IDS department
2011	Served on the University Faculty Senate Student Grievance Committee
2011	Served on various IDS department committee - Charitable Campaign/Gifts Coordinates, Learning Assessment Coordinators, Undergraduate Curriculum Committee, OSCM Program Committee, Department Board Committee

- 2010 Served on the **Faculty Senate's Faculty Welfare Committee** (Until August).
- 2010 Served as a **Faculty Senate Representative** elected by COBA.
- 2010 Served on various IDS department committee - **Charitable Campaign/Gifts Coordinates, Learning Assessment Coordinators, Undergraduate Curriculum Committee, OSCM Program Committee, Department Board Committee**
- 2009 Served on the **University Faculty Senate's Faculty Welfare Committee** (Until August). Served also as a **Faculty Senate Representative** elected by COBA.
- 2009 Served on various IDS department committee - **Charitable Campaign/Gifts Coordinates, Learning Assessment Coordinators, Undergraduate Curriculum Committee, OSCM Program Committee, Department Board Committee**
- 2007 - 2009 UTEP representative as a board member of **National Association of Purchasing Management (NAPM)**. Arranged for two scholarships every year from NAPM for UTEP *operations and supply chain management* students
- 2008 Served on the **University Faculty Senate's Faculty Welfare Committee** (From August). Served also as a **Faculty Senate Representative** elected by COBA
- 2008 Served on various IDS department committee - **Charitable Campaign/Gifts Coordinates, Learning Assessment Coordinators, Undergraduate Curriculum Committee, OSCM Program Committee, Department Board Committee**
- 2008 Actively participated in IDS department **AACSB accreditation** process
- 2008 Actively participated in IDS department business consulting effort
- 2008 Served as the **Business College Faculty Marshal** at UTEP winter commencement ceremony
- 2002 – 2007 Served on various IDS department committees - **Charitable Campaign/Gifts Coordinates, Learning Assessment Coordinators,**

**Undergraduate Curriculum Committee, OSCM Program Committee,
Department Board Committee**

Journal Editorial Membership

- 2021 – Present Editorial Board Member of *IEEE TEM*
- 2009 – Present Associate Editor (2009 to present) of International Journal of Decision Sciences (ISBN Number: 2229-5879; journal impact factor – 0.175)
http://serialsjournals.com/index.php?route=product/editor&type=editor&product_id=394
- 2008 – Present Editorial Board Member (2008 to present) of International Journal of Society Systems Science; (ISSN Online: 1756-252X and print: 1756-2511) <https://www.inderscience.com/jhome.php?jcode=ijsss>

Academic/Professional

- 2003 – Present Reviewer of *European Journal of Operational Research*
- 2005 – Present Reviewer of *Decision Sciences Journal*
- 2009 – Present Reviewer of *International Journal of Society and Systems Science*
- 2003 – Present Reviewer of *Decision Sciences Institute Proceedings**
- 2007 Reviewer of *IMA Journal of Management Mathematics*
- 2006 - Present Reviewer of *IEEE TEM*
- 2004 Reviewer of *Journal of Economics*
- 2004 Reviewer of *IRMA Conference, 2005*

* Served as the Chair of many sessions for Decision Sciences Institute (DSI) and International DSI proceedings

Doctoral Dissertation and Master's Thesis Committees

- 2017 **Dipanwita Barai.** *Department of Economics and Social Change* Error Correction Exchange Rate Modeling for Bangladesh. Served as a committee member in **Masters** of Economics thesis defense.
- 2016 **Megha Sharma.** *Department of Civil Engineering of the University of Texas at El Paso* Understanding the consequences and costs of climate change on Texas pavements. Served as a committee member in her **Ph.D.** thesis defense.
- 2016 **Niharika Dayal.** *Accounting and Information Systems Department of the University of Texas at El Paso.* Three essays on software development projects: Understanding the impact of people, and technology in software development. Served as a committee member in her **Ph.D.** thesis defense.
- 2016 **Faruk Arslan.** *Accounting and Information Systems Department of the University of Texas at El Paso.* Three Essays on global ICT Phenomenon: productivity paradox, organizational ICT use, and privacy in social networks. Served as a **Ph.D.** thesis committee member in his thesis defense.
- 2014 **SeungEui Ryu.** *The Department of Accounting and Information Systems of the University of Texas at El Paso.* 2014. Three essays on social and political structure. Served as a committee member in **Ph.D.** the dissertation thesis defense.
- 2008 **Gricel, Celene Guerrero Gomez.** Lumpy demand characterization and forecasting performance using self-adaptive forecasting models and Kalman filter. Served as a Master's thesis committee member, *Industrial Engineering Department of the University of Texas at El Paso*

- 2008 **Gricel, Celene** Guerrero Gomez. Lumpy demand characterization and forecasting performance using self-adaptive forecasting models and Kalman filter. Served as a **Master's** thesis committee member, *Industrial Engineering Department of the University of Texas at El Paso*
- 2007 **Michael, Gonzales**. Competitive advantage factors and diffusion of business intelligence and data warehousing. Served as the **Chair of the first Information and Decision Sciences department Ph.D. dissertation thesis**) *The Department of Information and Decision Sciences of the University of Texas at El Paso*
- 2007 **Reddy Kothi, Abhilash**. The impact of replenishment parameters and information sharing on bullwhip effect for short life cycle products. Served as a **Master's** thesis committee member, *Industrial Engineering Department of the University of Texas at El Paso*

Ph.D. Thesis (International University)

- 2012 Reviewed Dr. Subhranil Som's **Ph.D.** thesis – Towards Design and Implementation of Cryptographic Technique for Secured Transmission. Dr. Som submitted his thesis for review in *University of Kalyani, Kalyani, West Bengal, India, 741235*.

Presentation to El Paso Software Association

Addressed *The El Paso del Norte Software Association* at its monthly meeting on Wednesday, August 27th 2003 at the Greater El Paso Chamber of Commerce, Center Plaza on the topic – Business data solution using clustering, linear programming, and, Neural Net.

Professional/Academic training and membership

- Completed the Faculty development course “Global Supply Chain Management” from University of South Carolina, Moore School of Business on June 28th, 2003 for designing a global operations and supply chain management course for OSCM Ph. D. students
- Membership of DSI (2002 – present), Institute of Supply Management (ISM) membership (2004 – present)

7. **RESEARCH GRANT AWARDS**

University Research Grant

2002 Business Data Mining Using Clustering, Linear Programming, and Neural Networks (2002) – S. Mukhopadhyay (PI)

College of Business Summer Research Grant

2011 Lumpy demand forecasts for optimal inventory control

2012 Inventory control method for forecasting of lumpy demand

2013 Linear programming (LP) classifier for medical diagnosis

2014 Hotel Revenue Management Using Expected Marginal Seat Revenue Algorithm

2010 Inventory control, Service Level and Forecast accuracy

2009 Lumpy Demand Forecasting Accuracy and Simulation of Stock Control Performance using neural network

2008 Lumpy Demand Forecasting Accuracy and Stock Control Performance

2007 A Linear Programming Masking Algorithm for Pattern classification

2006 A Radial Basis Function Linear Programming Classifier for Discriminant Analysis

2005 A Study of Lumpy Demand Characterization and Forecast Performance

2005 Separation of Patterns in Data by Hyper-planes and Nonlinear Decision Boundaries in Brain-like Supervised Learning

2004 Mining International Business Data Using Brain-like Learning Approach

