

# Zubair M. Mohamed

## *Curriculum Vita*

### Office Address

Associate Dean for Undergraduate  
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### Education

- D.B.A.,** University of Kentucky, May 1991  
Major: Production and Operations Management  
Minor: Information Systems
- M.S.,** University of Kentucky, 1988; Engineering Mechanics
- B.S.,** Bangalore University, India, 1979; Mechanical Engineering  
Recipient of Merit Scholarship, 1974 - 1979.

### Administrative Experience:

#### **Bowling Green State University**

**Associate Dean, July 2014 – Present:** Responsible for all undergraduate programs, assurance of learning, AACSB accreditation, new program development, international collaborations, 2+2 pathway programs with community colleges including 100% online degree completion program, curricular matters, advising & career planning personnel administration, and student matters. Represent college at preview days, recruitment fairs, Undergraduate Council, and the college in the absence of dean.

#### **Western Kentucky University**

**Interim Associate Dean, July 2010 – June 2011.** Responsible for the budget management, curricular matters, personnel administration, and student and faculty matters. Represent college at Academic Transition Program, recruitment fairs, University Curriculum Committee, Research Council, and Council of Academic Deans meetings in the absence of dean.

**Chair, July 2003 – June 2014.** Responsible for developing the strategic plans, staffing plans, course schedules, faculty workloads, appraise faculty annual performance, promotion and tenure, reconcile student complaints, approve degree programs, administer funds, serve on the Dean's Advisory Council, and represent the department on other administrative matters.  
Accomplishments include:

### ***Program & Curricular Accomplishments:***

#### **Bowling Green State University**

- Successfully developed a 100% Online Bachelor of Science in Business Administration Degree Completer Program for working adults/nontraditional students and graduates of Ohio community colleges. Program effective spring 2016.
- Revamped the entire quantitative business curriculum for business majors into a five-course sequence as a suite business analytics courses.
- Lead retention efforts in the college.
- Spearheaded the creation of business Living & Learning community – The Business District.
- Completed the assurance of learning for the undergraduate program for AACSB reaffirmation.
- Spearheaded the development of learning outcomes and faculty qualifications under AACSB 2013 standards.
- Developed a culture of assessment and instituted a framework for assessing learning outcomes.
- Leading the efforts to revisit the admission criteria to strategically position the college for growth.
- Responsible for the smooth functioning of 3+1 program with Tianjin Polytechnic University, Tianjin, China.
- Responsible for articulation agreements with international universities.
- Responsible for diversity and inclusion events in the college.
- Responsible for completing the questionnaire for business school rankings by Poets & Quants and Bloomberg.
- Spearheading the development signature four-course sequence to develop niche.
- Oversee the development of promotion & tenure and merit documents.

#### **Western Kentucky University**

- Successfully manage department of 15 full-time and 10 adjunct faculty members with an annual budget of \$2.21 million.
- Grew the **number of majors** to 701 (Spring 2014), a **growth of over 100%** since 2001. The **Management major** is the **largest** in the college and **third largest** in the university.
- **Developed a new major International Business (IB) in 2008.** The IB was developed in collaboration with the departments of **Modern Languages, Geography, Economics, and Political Science.** Promoting IB as a double major in these departments as well as stand-alone major. The IB major has over 90 students.
- Successfully developed **dual degree** program in International Business with **St. Etienne School of Management, France.** So far, eleven WKU students and 35 French students have benefitted from this program. The **tuition revenue** to WKU from French students is around **\$200,000.** Similar programs are in development with Universidad Autonoma De **Nuevo Leon, Mexico** (on hold due to unrest in Mexico) and **Reutlingen University, Germany.**

- Instrumental in developing a **new major in Entrepreneurship** in 2008. The Entrepreneurship major has over 50 students.
- Developed a **new minor in Entrepreneurship** in 2004 with over 58 minors at present. About one-third of them are non-business majors
- Developed **2+2 program** in Business Administration with **Hebei University in China**. The potential tuition revenue from this program with an enrollment of 100 students is estimated to be around \$2 Million per year. The first cohort batch (Fall 2012) has 30 students.
- Developing a **2+2 program** in Business Administration with **Beijing Language & Cultural University in China**.
- Developed **2+ Plus 2 program** in Business Administration with **community colleges** in Owensboro and Elizabethtown. Similar program is in development with the Bowling Green Tech & Community College and Hopkinsville Community College.
- Developed the **2+ Plus 2 Online degree completer program** for the **Kentucky Community Technical College System** students. The program came live in fall 2013 and currently enrolls a total of 80 students. The potential tuition revenue from this program at mature stage is estimated to be around \$ 1.5 Million per year.
- Spearheaded efforts in offering the **complete Business Administration Degree program via online and Independent Learning** and will be available in Fall 2015.
- Spearheaded the efforts to develop and offer a **Joint MBA** program with an **Indian School in India**. Visited six different schools in New Delhi, Hyderabad and Bangalore. The business education potential is significant.
- The department developed 10 new courses on current topics and offers 15 courses online. The SCH from online, IVS and week night courses in 2011-2012 was 4200 student credit hours.
- Provided strategic support in the creation of **Center for Entrepreneurship and Innovation** in 2005. The Center has conducted several business plan competitions with over 70 business plans competing.
- Obtained grant funds to equip four classrooms with new furniture and Smartboard technology.
- Developed/strengthened relationships with five international universities.

#### ***Faculty and Student Development:***

- Successfully recruited **nine new faculty members** with one of them being Mattie Newman Endowed Professor of Entrepreneurship.
- Successfully dealt with three problematic faculty continuation and created an environment of collegiality and increased productivity.
- Provided all faculty members with laptops from internal grant funds.
- Provided partial to full financial support to **18 faculty members** from the college (40 trips from BIE grants) to **travel nationally and internationally** to enhance their international experience and exposure.
- Sent 12 faculty members to Faculty Development in International Business seminars using BIE funds.

- Sent/took 34 students on **International Trade Missions to Mexico** (2004, 2006, and 2007) and **India** (2007, 2008) using BIE grant funds.
- Provided **\$500 to \$1000 study abroad scholarships to 45 students** from BIE grant funds.
- Provided financial and moral support to Students in Free Enterprise (SIFE) teams participate in competitions in 2005, 2006 and 2007. The teams have won Rookie of the Year in both regional and national competitions (2005) and first place in regional competitions in all three years.
- Provided financial and moral support to both graduate and undergraduate teams to compete in business simulation competitions. Both teams won first places in 2005 and 2006 setting a national record.
- Faculty published 40 journal articles and presented over 100 papers in national and international conferences in the last five years.

### ***Grant Funding:***

- Secured **\$30,000** from the Sponsored Programs, Provost's Office and the College to visit and develop partnership to offer a Joint MBA in India.
- Applied for BIE Grant Funding (\$199,000) in 2010. The USDOED decided not to fund any new proposals due to budget cuts.
- **Principal Investigator** and Director of Business Internationalization Education (BIE) grant from the U.S. Department of Education (**\$183,000**) for 2005-2008.
- **Co-Principal Investigator** and Co-Director of Business Internationalization Education (BIE) grant from the U.S. Department of Education (**\$185,000**) for 2002-2005.
- Secured over \$20,000 in internal funds to refurbish, furnish and convert four classrooms to smart classrooms.
- Secured over **\$50,000** in Unit Productivity Awards over the last six years.
- Applied for Homeland Security Grant (\$600,000) funding in 2007. Not funded.
- Applied for Homeland Security Grant in 2005. Not funded (White paper got accepted).

### ***Business Outreach:***

- Developed Business At Its Best seminars for small businesses in consultation with the President of Bowling Green Chamber of Commerce.
- Executive Board Member, Indo-Kentucky Chamber of Commerce, a non-profit organization to promote trade and commerce between Kentucky and India.
- Establishing a Entrepreneur Advisory Board for the Center for Entrepreneurship & Innovation.
- Formed the **Business Roundtable Group** comprising of CEO's and President's of area companies who meet biannually to discuss and share their business challenges, opportunities, and successes. This is the only university based Roundtable Group in Kentucky.
- Formed the first-ever Business Advisory Board to the Management Department.

- Faculty and Board members formed teams to develop business seminars, student internships, and consulting.
- Developed with the Business Advisory Board seminar on Health Care Management
- Presented seminar to Luvata Ltd., Bowling Green, KY.
- Arrange guest speakers to management classes.

**Interim Director of Center for Entrepreneurship & Innovation, July 2012 – June 2014.**

Responsible for overseeing Center's role in providing support to the campus community and the regional businesses in developing business plans, small business consulting reports, conduct annual business plan competitions, facilitate student business startups, provide directions and support to ENACTUS (SIFE) Team, and conduct Entrepreneur-Student networking events. Some of the Center's highlights include:

- The business plan competition received over 70 entries from students representing a variety of disciplines and the winners competed at State level winning the first place in Graduate Student Plan category.
- Four new businesses were started – Only Footprints, Key Invention, AquaGreen and Crafts of Hope.
- The Center working in collaboration with St. Louis Reserve Bank offered a seminar on Immigrant Entrepreneurship which drew over 50 participants.
- The faculty and students from the entrepreneurship program worked with the engineering department on the submersible robot project which secured funding from the State to advance it to the commercialization phase.
- The ENACTUS Team with over 30 members continued its outreach activities impacting over 5000 contact man-hours.
- The Center concluded its activities on the third Coleman Grant, which has trained over 15 WKU faculty members from outside GFCOB on infusing entrepreneurship in their disciplines.

**University Distinguished Professor of Management, Emeritus, January 2017 – present**

**Professor of Management, July 2000 – June 2014.** Responsibilities include teaching undergraduate and graduate courses in production and operations management, management science, total quality management, information systems and decision sciences, contemporary issues in management, student advisement, and university service.

Associate Professor, Western Kentucky University, July 1995 – June 2000.

Assistant Professor, Western Kentucky University, August 1989 - June 1995.

Research Assistant, Summer 1987 - July 1989.

Teaching Assistant, University of Kentucky, Fall 1986 - Summer 1987 and Summer 1988.

Research and Laboratory Assistant in the Department of Engineering Mechanics, University of Kentucky, Summer 1984 - July 1986.

## **Experience With Overseas Universities**

- Developed and presented a business model to offer a Joint MBA in **India** with a partner institution there, 2011. Several willing partners and negotiations are underway.
- Dual-degree maintenance visit to St. Etienne, **France**, 2010
- Negotiations on dual-degree with Reutlingen University, **Germany**, 2010.
- Negotiations with St. Etienne School of Management, France, Universidad Autonoma Nuevo Leon, **Mexico**, and Coventry University, **England** on dual-degree programs, 2008.
- Participant in Faculty Development in International Business, **Brazil**, 2007.
- Guest lecture to students and faculty at ICFAI, Hyderabad, **India**, December 2005.
- Guest lecture to students and faculty at Indian Institute of Management, Bangalore, **India**, December 2005.
- Guest lecture to students and faculty at University of Nyenrode, **The Netherlands**.
- Guest lecture to students and faculty at Artvelde Hogschool, **Belgium**.
- Guest lecture to students and faculty at Reutlingen University, **Germany**, June 2002.

## **Grants and Honors**

Offered Mattie Newman Endowed Professorship, April, 2014.

Featured in Bowling Green Daily News newspaper “Educator Has Wide Range of Expertise,” September 13, 2010.

Awarded the honor “**University Distinguished Professor**” in 2009.

Principal Investigator and Director Title VIb Grant from U.S. Dept. of Education, \$183,000, 2005-2008.

**College Research Award**, 2004.

Co-Principal Investigator & Co-Director, Title VIb Grant from U.S. Dept. of Education, \$185,000, 2002-2005.

Featured in The Western Scholar, a scholarship and research magazine of the Western Kentucky University, “Global Supply Chain,” Volume 3, Number 1, pp. 18-19, Fall 2002.

**Don and Suzanne Vitale Award for Innovation, Initiative, and Leadership**, 2000.

Summer Research fellowship, \$5000, 2002.

Summer Research fellowship, \$5000, 2000.

Title VIA grant with Department for Modern Languages & Intercultural Studies, 2000-2001.

**College Research Award**, 1998.

Nominated for The Carnegie Foundation’s U.S. Professors of the Year Program (by Dr. Barbara Burch, Provost and Vice-president), 1998.

Summer research fellowship, \$5000, 1999.

Summer research fellowship, \$5000, 1997.

Summer research fellowship, \$5000, 1996.

## **Professional Development (AACSB & Others)**

Chosen by **President Mazey** for BGSU Executive Leadership Program, 2017.

**AACSB** Annual Accreditation Seminar, 2017.

**AACSB** Annual Accreditation Seminar, 2016.

**AACSB** Accreditation Volunteer Training, 2016.

**AACSB** Annual Accreditation Seminar, 2015.

**AACSB** Assessment Conference, 2015.

WKU representative for Business Tuning Program sponsored by the CPE, 2010 - 2012. The aim is to develop learning outcomes and pathways for associate degree to bachelor's degree.

**AACSB** International's Annual Meeting, New York, 2011.

**AACSB** International's Associate Deans Conference, Tampa, 2010.

Business Internationalization Education Grant Director's Conference, St. Antonio, October 2008.

Led a group of faculty and students on study abroad to India, 2007.

Business Internationalization Education Grant Director's Conference, St. Louis, October 2007.

Business Internationalization Education Grant Director's Conference, Orlando, October 2006.

18<sup>th</sup> European Association of International Education Conference, Basel, Switzerland, September 2006.

**AACSB** International's Seminar on Aspiring Deans, Tampa, June 2006.

Business Internationalization Education Grant Director's Conference, Quebec City, Canada, July 2005.

American Council on Education's Educating All of One Nation Conference (Diversity Training), October 2003.

Second International Business Education Conference, Washington D.C., September 2003.

**AACSB**'s Seminar on Assessment, Washington D.C., June 2003.

Business Internationalization Education (BIE) Grant Directors Meeting, California, July 2003.

Discuss Temple University's CIBER involvement with Western Kentucky University's BIE Grant activities, Philadelphia, March 2003.

Forum on Global Education and U.S. Challenges, Duke University, Durham, January 2003.

**AACSB**'s Seminar on Continuous Improvement, St. Louis, September 2002.

Business Internationalization Education (BIE) Grant Directors Meeting, Puerto Rico, June 2002.

## **Professional Experience**

Consultant for Fruit of the Loom, 1996 - 1997. Responsible for reviewing and auditing current quality control procedures. Design, develop, and implement new quality control procedures in all domestic and foreign plants. The goal is to put in place standardized procedures.

Consultant for Scott Health Care, Bowling Green, Kentucky, 1994 - 1995. Analyzed and proposed a model to determine family lot-sizes and scheduling. The model results in savings of more than 30%. Currently, the model is in the implementation stage.

Technical Services Engineer, Widia (India) Ltd., [A German collaborative venture involved in the manufacturing of tungsten carbide and ceramic cutting tools and machine tools] August 1979

- December 1983. Responsible for process design, product design, customer support/consultation, manufacturing and testing of cutting tools, and preparation of technical literature.

## Research

### ***Refereed Journal Publications:***

Civelek, I., and Mohamed, Z.M., "Impacts of Exchange Rate Risk and Transportation Cost on a Globally Coordinated Production Plan for an OEM," *International Journal of Manufacturing and Technology Management*, Vol. 29, Nos. 5/6, pp. 309-323, 2015.

Fahimnia, B., Parkinson, E., Rachaniotis, NP., Mohamed, Z.M., and Goh, M., "Supply chain planning for a multinational enterprise: a performance analysis case study," *International Journal of Logistics- Research & Applications*, Vol. 16, No. 5, pp. 349-366, 2013.

Motwani, J.D., Akbulut, A.Y., Mohamed, Z. M., and Greene, C.L., "Organisational Factors for Successful Implementation of ERP Systems," *International Journal of Business Information Systems*, Vol. 3 No. 2, pp. 158-182, 2008.

Mohamed, Z.M., and Bachlaus, M., "An Integrated Tool Planning and Production Planning Problem for Flexible Manufacturing Systems using Genetic Algorithm," *International Journal of Intelligent Systems Technologies and Applications*, Vol. 2, No. 4, pp.403-429, 2007.

Mohamed, Z.M. and Youssef, M., "A Production Distribution and Investment Model for a Multi-National Company," *Journal of Manufacturing Technology Management*, Vol. 15, No. 6, pp. 495-510, 2004.

Mohamed, Z.M., Youssef, M., and Huq, F., "An Efficient Model for Multifamily Lot-sizing and Scheduling: Application to a Real Life Problem," *Production Planning & Control*, 2004, Vol. 15, No. 1, pp. 1-12, 2004.

Bhutta, K., Huq, F., Frazier, G, and Mohamed, Z.M., "An Integrated Location, Production, Distribution and Investment Model for a Multinational Corporation," *International Journal of Production Economics*, vol. 86, no. 3, pp. 197-212, 2003.

Youssef, M.A., Mohamed, Z.M., Granville, S. Jr., and Gary, L.W., "The Impact of TQM and DFM on the ability of SMEs to respond to their Customer need," *Journal of Total Quality Management*, vol. 13, no. 3, pp. 301-313, 2002.

Motwani, J., and Mohamed, Z.M., "Flow Manufacturing - Necessity, Benefits and Implementation: A Case Study," *Industrial Management and Data Systems*, vol. 102, no. 2, pp. 73-79, 2002.



Mohamed, Z.M., Youssef, M., and Huq, F., "The Impact of Machine Flexibility on the Performance of Flexible Manufacturing Systems," *International Journal of Operations and Production Management*, vol. 21, no. 5/6, pp. 707-727, 2001.

Huq, F., Hensler, D.A., and Mohamed, Z.M., "A Simulation Analysis of Factors Influencing the Flow Time and Throughput Performance of Functional and Cellular Layouts," *Integrated Manufacturing Systems*, vol. 72, no. 4, pp. 285-295, 2001.

Mohamed, Z. M., "An Integrated Production-Distribution Model for an MNC under Varying Exchange Rates," *International Journal of Production Economics*, vol. 58, pp. 81-92, 1999.

Mohamed, Z.M., Kumar, A., and Motwani, J., "An Improved Part Grouping Model for Minimizing Makespan in FMS," *European Journal of Operational Research*, vol. 116, no. 1, pp. 171-182, 1999 (also appears in **ANBAR Electronic Citation of Excellence** for research implications/impact.).

Motwani, J., Kumar, A., and Mohamed, Z.M., "Ethical Behavior of Indian Purchasing Managers," *The Logistics and Transportation Review*, vol. 34, no. 2, pp. 161-168, 1998.

Mohamed, Z.M., and Bernardo, J.J., "Tool Planning Models for Flexible Manufacturing Systems," *European Journal of Operational Research*, vol. 103, pp. 497-514, 1997.

Kumar, A., Mohamed, Z.M., and Motwani, J.D., "A Dynamic Tool Planning Requirement Model for Automated Manufacturing Systems," *International Journal of Flexible Manufacturing Systems*, vol. 9, pp. 307-342, 1997.

Galloway, R.F., Mohamed, Z.M., and Eldredge, D.L., "Prerequisites, Content, and Pedagogical Characteristics of the Introductory Production/Operations Management Course," *International Journal of Operations and Quantitative Management*, vol. 3, no. 1,2,3, pp. 57-67, 1997.

Motwani, J., Kumar, A., and Mohamed, Z.M., "Implementing QFD for Improving Quality in Education," *Journal of Customer Service and Marketing Management*, vol. 23 (2), pp. 23-33, 1997.

Rahim, A., and Mohamed, Z.M., "Structural Equations Models of Achievement Striving and Impatience-Irritability Dimensions of Type A Behavior and Academic Performance," *Journal of Education for Business*, vol. 72(3), pp. 175-180, 1997.

Mohamed, Z.M., "A Flexible Approach to (Re)Configure Flexible Manufacturing Cells," *European Journal of Operational Research*, vol. 95, pp. 566-576, 1996.

Motwani, J., Kumar, A., and Mohamed, Z.M., "Implementing QFD for Improving Quality in Education," *Journal of Professional Services Marketing*, vol. 14 (2), pp. 149-159, 1996.

Mohamed, Z.M., "Ramifications of Tool Magazine Size on the Makespan and Routing Flexibility of Flexible Manufacturing Systems," *European Journal of Operational Research*, vol 87, pp. 289-298, 1995.

Kumar, A., Mohamed, Z.M., and Motwani, J., "EOQ Under Linear Inflationary Conditions: An Optimal Solution and the Robustness Issue," *International Journal of Operations and Quantitative Management*, vol. 1, no. 3, pp. 197-208, 1995.

Mohamed, Z.M., and Bernardo, J.J., "The Relationship Between Part Type Demand and FMS Loading Policies," *International Journal of Production Research*, vol. 33, no. 8, pp. 2197-2211, 1995.

Bernardo, J.J., and Mohamed, Z.M., "The Measurement and Use of Operational Flexibility in the Loading of Flexible Manufacturing Systems," *European Journal of Operational Research*, vol. 60, no. 2, pp. 144-155, 1992.

Lu, W.Y., and Mohamed, Z.M., "A Two-Surface Plasticity Theory and its Application to Multi-axial Loading," *Acta Mechanica*, 69, pp. 43-57, 1987.

***Research in Progress and Under Review:***

Mohamed, Z.M., Capar, I., Sawaya, W., and rump, C., "Global Supply Chain Operations Planning & Carbon Footprint." (Presented at Mid-west DSI Meeting, 2017).

Mohamed, Z.M., "An Optimal Lot Size Prescribing Model for a Retailer Faced with Price Dependent and Sudden Obsolescent Demand."

***Book and Book Reviews:***

Mohamed, Z.M., *Flexible Manufacturing Systems - Planning Issues and Solutions*, Garland Publishing Company, New York, 1994.

Reviewed the book *Productivity Measurement: A Guide for Managers and Evaluators*, by Robert O. Brinkerhoff and Dennis E. Dressler, for *International Journal of Organizational Analysis*, vol. 2, no. 1, pp. 102-104, 1994.

Reviewed the book *Measures for Manufacturing Excellence*, Robert S. Kaplan (ed.,) for *International Journal of Organizational Analysis*, vol. 1, no. 1, pp. 119-123, 1993.

**Papers Presented and Published in Conference Proceedings:**

- Mohamed, Z.M., Capar, I., Sawaya, W., and rump, C., "Global Supply Chain Operations Planning & Carbon Footprint," Mid-west DSI Meeting, 2017.
- Mohamed, Z.M., and Parsons, W.A., "Global Sourcing – The Opportunity Cost/Benefit of Not Developing Indigenous Sources," *Proceedings of 11<sup>th</sup> International Annual IPSERA Conference*, Twente, The Netherlands, pp. 519-531, 2002.
- Mohamed, Z.M., and Huq, F., "Differential Effects of Transportation," *Proceedings of 10<sup>th</sup> International Annual IPSERA Conference*, Jonkoping, Sweden, pp. 645-656, 2001.
- Mohamed, Z.M., Parry, L., and Wharton, R., "Critical Factors for Success in the Supply Chain: Looking at Relationships Between First, Second, and Third Tier Suppliers," *Proceedings of the Third World Research Symposium on Purchasing and Supply Chain Management*, London, Ontario, Canada, pp. 520-529, 2000.
- Mohamed, Z.M., and Huq, F., "A planning model for a network of global facilities catering to global demand," *Operations Management for Global Economy: Challenges and Prospects*, Phoenix Publishing House Pvt. Ltd., New Delhi, India, 1999. (Book chapter).
- Motwani, J. and Kumar, A., and Mohamed, Z.M., "Research on research: strategies and application content of management of health care technology publications," *Proceedings of the Decision Science Institute Annual Meeting*, Las Vegas, pp. 1652-1654, 1998.
- Mohamed, Z.M., Kumar, A., and Motwani, J.D., "An Integrated Production Planning and Tool Planning Model for Flexible Manufacturing Systems," *Proceedings of the Decision Sciences Institute Annual Meeting*, San Diego, pp. 1182-1184, 1997.
- Mohamed, Z. M., "Flexible Manufacturing Systems: An Overview," *Proceedings of the Global Conference on Small and Medium Industry and Business*, Bangalore, India, pp. 75-80, Jan. 3-5, 1996.
- Mohamed, Z. M., and Chhachhi, I., "A Production, Distribution, and Investment Model for a Multi-national Company," *Proceedings of the Global Conference on Small and Medium Industry and Business*, Bangalore, India, pp. 179-184, Jan. 3-5, 1996.
- Kumar, A., Motwani, J., and Mohamed, Z. M., "Stationarity of the Optimal Lotsize under Continuous-time Inflation: An Exact Solution," *Proceedings of the Decision Sciences Institute Annual Meeting*, Boston, pp. 1347-1349, 1995.
- Mohamed, Z.M., "Total Quality Management: An Overview," *Proceedings of the Conference on Manufacturing Quality and Technology*, pp. 9, Bowling Green, Kentucky, 1995.
- Mohamed, Z. M., Kumar, A., and Kathawala, Y., "Part Grouping Models and Their Effects on the Makespan and Routing Flexibility of an FMS," *Proceedings of the Decision Sciences Institute Annual Meeting*, Honolulu, Hawaii, pp. 1702-1704, 1994.

Kumar, A., Mohamed, Z. M., Jacobson, S., and Motwani, J., "A Heuristics Approach for Designing Flexible Assembly Systems," *Proceedings of the Decision Sciences Institute Annual Meeting*, Honolulu, Hawaii, pp. 1612-1614, 1994.

Mohamed, Z. M., and Calantone, R. J., "An Optimal Lot-size Prescribing Model for a Retailer Faced with Price Dependent and Sudden Obsolescent Demand," *Proceedings of the Decision Sciences Institute Annual Meeting*, Washington D.C., pp. 1587-1589, 1993.

Mohamed, Z. M., and Kumar, A. "A Dynamic Inventory Control Policy for Tool Planning in FMS," *Proceedings of the Decision Sciences Institute Annual Meeting*, Washington D.C., pp. 1660-1662, 1993.

Mohamed, Z. M., and Bernardo, J. J., "Ramifications of Part Grouping on the Makespan and Routing Flexibility of an FMS," *Proceedings of the Decision Sciences Institute Annual Meeting*, Washington D.C., pp. 1451-1453, 1993.

Mohamed, Z. M., and Bernardo, J. J., "An Analysis of the Effect of Changes in Part Type Demand on the Performance of FMS Loading Policies," *Proceedings of the Decision Sciences Institute Annual Meeting*, San Francisco, pp. 1389-1391, 1992.

Mohamed, Z. M., and Bernardo, J. J., "Part Grouping and the Configuration of Flexible Manufacturing Cells: A New Approach," *Proceedings of the Decision Sciences Institute Annual Meeting*, San Francisco, pp. 1517-1519, 1992.

Mohamed, Z. M., "Effect of Learning and Inflation on EOQ," *Proceedings of the Decision Sciences Institute Annual Meeting*, San Francisco, pp. 1217-1219, 1992.

Mohamed, Z. M., and Bernardo, J. J., "Interfacing Tool Planning with the Loading and Routing Decisions for Flexible Manufacturing Systems," *Proceedings of the Decision Sciences Institute Annual Meeting*, Miami, pp. 1436-1438, 1991.

Mohamed, Z. M., and Bernardo, J. J., "Development and Implementation of a Suitable Planning Hierarchy for the Loading, Routing, and Part Grouping Problems of Flexible Manufacturing Systems," *Proceedings of the Decision Sciences Institute Annual Meeting*, San Diego, pp. 1802-1804, 1990.

Mohamed, Z. M., and Bernardo, J. J., "Measuring the Flexibility of a Flexible Manufacturing System," *Third Annual Symposium on Advanced Manufacturing*, pp. 49-52, Lexington, Kentucky, 1989.

Mohamed, Z. M., and Bernardo, J. J., "Effect of Demand Variability on Inventory and Machine Loading in a Flexible Manufacturing System," *Second Annual Symposium on Advanced Manufacturing*, pp. 73-78, Lexington, Kentucky, 1988.

***Papers Presented but not Published in Proceedings:***

Z.M. Mohamed and Kumar, A., "An optimal selection of quality level, quality dependent price, and product demand: an application to textile industry," 5<sup>th</sup> International Conference of Decision Science Institute, July 4-7, Athens, Greece, 1998.

Kumar A., Jacobson, S., and Mohamed, Z.M., "Managing critical resources with stochastic consumption rates," 5<sup>th</sup> International Conference of Decision Science Institute, July 4-7, Athens, Greece, 1998.

Mohamed, Z.M., Kumar, A., and Motwani, J., "A resource constrained multi-family lot-sizing and scheduling model: A case study," *Proceedings of the Decision Sciences Institute Annual Meeting*, Orlando, 1996 (abstract published).

Mohamed, Z.M., Cheng, C.H., Kumar, A., and Motwani, J., "Efficient cost minimization heuristics for designing manufacturing cells," *Proceedings of the Decision Sciences Institute Annual Meeting*, Orlando, 1996 (abstract published).

Motwani, J., Kumar, A., Jiang, J.J., and Mohamed, Z.M., "Ethical issues in purchasing: A field study of Michigan hospitals," *Proceedings of the Decision Sciences Institute Annual Meeting*, Orlando, 1996 (abstract published).

Kumar, A., Mohamed, Z.M., Motwani, J., and Youssef, M.A., "Linearization of King's algorithm to reconfigure a large-size flexible manufacturing system into a cellular manufacturing system," *Proceedings of the Decision Sciences Institute Annual Meeting*, Orlando, 1996 (abstract published).

Mohamed, Z. M, Gillenwater, E., and Kethley, B., "Testing the Robustness of Analytical Results of Machine Workloads in Flexible Manufacturing Systems through Simulation," *Proceedings of the Decision Sciences Institute Annual Meeting*, Boston, 1995 (abstract published).

Motwani, J., Kumar, A., and Mohamed, Z.M., "Applying the Principles of Constraint management to the Service Sector," *Proceedings of the Decision Sciences Institute Annual Meeting*, Boston, 1995 (abstract published).

Mohamed, Z. M., and Bernardo, J. J., "Combined Effects of Machine Flexibility, Loading Policies, and Demand Variability on the Operational Performance of an FMS," *Proceedings of the Decision Sciences Institute Annual Meeting*, Honolulu, Hawaii, 1994, (abstract published).

Mohamed, Z. M., "Economic Order Quantity Under Inflationary Conditions: Revisited," *Proceedings of the Decision Sciences Institute Annual Meeting*, Washington D.C., 1993, (abstract published).

Mohamed, Z. M., and Bernardo, J. J., "A Comparative Analysis of Two Loading Policies for Flexible Manufacturing Systems," First Biannual International Conference on Advances in Management, Orlando, March 25-28, 1992, (abstract published).

Mohamed, Z. M., and Bernardo, J. J., "Impact of Design Flexibility on the Operational Characteristics of Flexible Manufacturing Systems," Third Annual Meeting of the Production and Operations Management Society, Orlando, October 18-21, 1992.

Mohamed, Z. M., and Bernardo, J. J., "Inter-Dependence Between Loading, Routing, and Tool Management Problems in Flexible Manufacturing Systems," Operation Research Society of America/The Institute of Management Science Joint National Meeting, Philadelphia, 1990.

Mohamed, Z. M., and Bernardo, J. J., "The Effect of Loading of Stochastic Demand on Minimum Cost Loading Policies for FMS," Decision Sciences Institute Annual Meeting, Las Vegas, 1988, (abstract published).

## **Teaching and Research Interests**

Research and teaching interests are in the areas of operations management and information systems. Specific topics include: production and inventory control; operations design and planning; computer integrated manufacturing; quantitative analysis in decision making and management; total quality control/management; quality assurance; supply chain management; decision support systems; expert systems; and simulation. Following is a list of courses taught:

MGT 313 - Quantitative Methods (face-to-face, online)  
MGT 314 – Operations Management (face-to-face, online)  
MGT 325 – Total Quality Management  
MGT 410 – Destination India Study Abroad  
MGT 490 – Practicum in Management  
MGT 499 – Senior Assessment  
BA 503 – Information and Decision Sciences  
BA512 – Data Modeling and Problem Solving (face-to-face, online)  
BA 579 – Supply Chain Management  
BA 580 – Contemporary Issues in Management  
BA 592 – Enterprise Resource Planning

## **University Service:**

### **Bowling Green State University**

BG Perspective (General Education) Committee Member 2014 – ongoing  
Undergraduate Curriculum and Learning Assessment Committee, 2014 – ongoing  
Undergraduate Council (University) 2014 – ongoing  
Faculty Search Committee, Marketing Department, 2014.  
Search Committee Member for Vice-Provost for Enrollment Management, 2015 – ongoing

Member, Trustee's Innovation Fund Committee, 2014 – ongoing  
Chair, Search Committee for Program Coordinator, 2015 - ongoing

### **Western Kentucky University**

Member of the University Research Council, 2010 – 2014.  
Member of the Search Committee for Director of Sponsored Research, 2010  
Member of the Provost Search Committee, 2009-2010.  
Appointed by the President to serve on University Diversity Task Force, 2008 – present.  
Appointed by the Provost to serve on General Education Task Force, 2008 - present.  
Appointed by the Dean to serve on University Research Compliance Committee, 2008-2010.  
Member of the University Awards Committee, 2008.  
Member of the Business Roundtable Group, 2007 – Present  
Member of the Diversity Enhancement Committee 2007 – present.  
Member of the Search Committee for Associate Dean for Owensboro Extended Campus, 2007-2008.  
Strategic Planning Committee, 2006 – present.  
Member of the Search Committee for Vice President of Research & Economic Development, 2006.  
Charter Member of the Clinical Education Complex, 2003- present.  
Member of the Search Committee, College of Education, 2003-2004.  
Member of University Programs Review Committee, 1999 - 2002.  
Chair of the College Curriculum Committee, 1999 - 2001.  
Member of the Faculty Scholarship Committee, 1999 - 2001.  
Panelist at the Global Automotive Conference, Bowling Green, Kentucky, March 28-31, 2000.  
Member of the committee developing An Innovative Program and Place of Excellence, 1999.  
Member of the committee developing Global Automotive Conference, 1999.  
Member of the Western delegation that met with the visiting professors from Rostov State Pedagogical University, Russia, 1999.  
Participated in the Quality Circle Facilitator Training sponsored by the Bando Corporation, Honda of America and Western Kentucky University, January 8, 1999.  
Participated at the symposium on Supply Chain Management at University of Texas at Arlington, Texas, March 12, 1999.  
Participated at the Second National Research Symposium on Supply Chain Management, New Orleans, March 18-19, 1999.  
Member of the Management Faculty Search Committee, 1999- present.  
Member of the Economics Faculty Search Committee, 1999-present.  
Member of the IS Faculty Search Committee, 1998-1999.  
Member of the Western delegation that met with the visiting professors from Ritsumeikan University, Kusatsu, Shiga, Japan, 1998.  
Assisted Mr. Bill Parsons in his efforts in submitting a grant proposal to USIA, 1998.  
Member of the Faculty Development Committee, 1998.  
Member of the Task Force on the Facility Planning, 1998.  
Member of the Academic Council, Fall 1997.  
Member of the Faculty Search Committee, Fall 1996 - 1997.  
Member of the Intellectual Contribution Committee, Fall 1996 - 1997.  
Member of the University Senate, April 1995 - 1996.

Member of the Senate Executive Committee, April 1995 - 1996.  
Member of the Faculty Search Committee, Fall 1995 - 1996.  
Member of the College Home Page Committee, Fall 1995 - 1996.  
Member of the Intellectual Contribution Committee, Fall 1995 - 1996.  
Member of the College Professional Development Committee, Fall 1994 - 1995.  
Member of the University Senate, 1992 - 1994.  
Senate Fiscal Affairs Committee, 1992 - 1994.  
Academic Probation Committee, 1992.  
Department Chair Search Committee, 1989 - 1991.

## **Academic Affiliation and Professional Service**

External Reviewer for promotion of Dr. Nir Kshetri to full professor at Bryan School of Business, University of North Carolina, Greensboro, NC.  
External Reviewer for promotion of Dr. Jigish Zaveri to full professor at Morgan State University, Baltimore, MD.  
External Member of Dissertation Committee of Mr. Khurram Bhutta, University of Texas at Arlington, TX.  
Decision Sciences Institute  
Production and Operations Management Society  
Session Chairperson and Discussant at numerous meetings  
International Purchasing and Supply Education and Research Association (Europe)

Manuscript reviewer for:

*European Journal of Operational Research, Production and Operations Management, International Journal of Flexible manufacturing Systems, International Journal of Human Factors in Manufacturing, International Journal of Advances in Management, International Journal of Operations and Quantitative Management, IIE Transactions, Kentucky Business Education Association Journal, Decision Sciences Institute, Journal of Modeling in Management.*