

KRISHAN C. RANA, Ph. D.

HOME ADDRESS

1118 Oster Drive
Huntsville, AL 35816
E-mail: kris_rana20@yahoo.com
Phone: 707-334-6411
Citizenship: U.S.A.

OFFICE ADDRESS

Department of Accounting and Logistics
College of Business and Public Affairs
Alabama A & M University, Normal, AL 35762
256-372-4790
Email: Krishan.rana@aamu.edu

Recipient of Virginia State University School of Business Outstanding Faculty Award, 2002.

Innovative, energetic, and gregarious academic leader with a broad range of experience in curriculum development, pedagogy, assessment, faculty empowerment and development, program and institutional accreditation, and management of human and fiscal resources.

Three decades of experience in administration, research, and teaching at the graduate and the undergraduate levels. Worked as Dean and Chairperson and played a pivotal role in accreditation at three institutions. Published more than seventy research articles in refereed journals and conference proceedings, and made presentations at national and international conferences, workshops, and seminars. Teaching and work experience in several countries and diverse cultures. Introduced ERP modules in curriculum and international exposure for student and faculty.

Twelve years of experience as a commissioned naval officer and a licensed chief engineer for ships. Managed multi-million dollar projects, built warships, and managed engineering projects.

Currently working on (i) a Textbook on Business Statistical Methods and Research, (ii) a Textbook on Logistics Management.

UNIVERSITY EDUCATION

Ph. D. in Management Sciences (1985), University of Waterloo, Canada.

Thesis Title: "Routing and Scheduling Containerships Using Lagrangean Relaxation and Decomposition."
Was awarded the second prize in the 1985 Dissertation Prize Competition of the Operations Research Society of America (now INFORMS).

Graduate Diploma in Systems Management (1976), Bombay University, India.

B. E. (Honors) Mechanical (1969), Punjabi University, India.

Direct Entry Engineer Officers Course (1970), Naval College of Engineering, India

EXPERIENCE AND MAJOR ACCOMPLISHMENTS

Alabama A&M University, Department of Accounting and Logistics. Professor. August 2014 to Present.

Courses taught

Spring 2016: Introduction to Logistics, Transportation Management, Advanced Logistics

Fall 2015: Introduction to Logistics, Purchasing in Supply Chain Management, Logistics and Supply Chain Management (SLM 536)

Spring 2015: Introduction to Logistics, Transportation Management, Advanced Logistics

Fall 2014: Introduction to Logistics, Purchasing in Supply Chain Management, Negotiation, Logistics Strategy

Publications

Unmanned Aerial Vehicles (UAVs): An Emerging Technology for Logistics, *International Journal of Business and Management Innovation*, May 2016.

Transportation in Kazakhstan and its Economic Implications, *International Journal of Business and Applied Social Science*, Feb. 2016.

Kazakhstani Agribusiness Supply Chain: Issues and Challenges, *American International Journal of Social Science*, Vol. 3, No. 7, December 2014, pp.92-99. Sole author

Transportation in Central Asia, SWDSI 2016.

Transportation in Kazakhstan and its economic Implications, Southwest Decision Sciences Institute conference proceedings, March 11-14, 2015, Houston, TX, pp 1611-1619. Sole author

Factors Influencing the Progress of Central Asian Economies, Southwest Decision Sciences Institute conference proceedings, March 11-14, 2015, Houston, TX, pp 1641-1649. Sole author

Conferences

- American Production & Inventory Control Society (APICS) conference, New Orleans, LA, October 19-21 2014. Presented “Real-World Supply Chain Business Analytics.”
- Southwest Decision Science Institute (SW DSI) conference, Houston, TX, March 13-15, 2015. Presented two papers: “Transport in Kazakhstan and its Economic Implications” and “Factors Influencing the Progress of Central Asian Economies.”
Reviewed two papers and worked as a session chair.
Appointed as Track Chair of Logistics, Supply Chain management, and Unmanned Aerial Vehicles (UAVs) for the 2016 SWDSI.

Prepared four proposals

- Alabama Training Center for H-1B Occupations - Submitted to the Department of Labor, March 2016 worth \$4,000,000 for 4 years.
- Analytics for Logistics and Supply Chain Management – submitted to DoD, January 2015.
- National Transport Summer Institute (NTSI) –submitted to the State Transport Board, February 2015.
- Certificate Program in Logistics and Supply Chain Management for Graduate Studies – submitted to Provost Office for onward transmission to the Army Materiel command, September 2014.

Worked with the Institute of Supply Management (ISM), obtained its membership and requested dues-free membership for students, received mentorship for a student, Ms. Kvin Brooks, who also attended ISM Diversity conference Feb 19-21, 2015. Atlanta, GA, all expenses paid.

Worked with Ms. Yvette Clayton, Director of Placement Services, for student internships, scholarships, placement, etc. Several students received scholarships and internships.

Advised students on course selection, senior graduation check list, etc. A list of advisees is enclosed.

Texas A & M University, College Station, Department of Engineering Technology and Industrial Distribution, Associate Professor. August 2013 to July 2014.

Courses taught: Distribution Logistics, Purchasing Applications in Industrial Distribution, and Quality Process in Distribution. Lead Professor on Optimizing Human Capital Development Consortium.

Publications:

- An Intercontinental Multi-Modal Distribution Model for Containerized Goods. Presented at FAIM 2014 and published in its Proceedings, St. Antonio, TX, May 20-23, 2014.

- Role of Port Management in Intercontinental Distribution. Presented at FAIM 2014 conference and published in its Proceedings, St. Antonio, TX, May 20-23, 2014.

Dean, Bang College of Business, Kazakhstan Institute of Management, Economics, and Strategic Planning (KIMEP University) and Professor of Operations Management and Information Systems. August 2010 - August 2013

- Initiated the AACSB accreditation and obtained its membership. Prepared Eligibility Application.
- Introduced ERP modules in curriculum and international exchange program for students and faculty.
- Prepared the Strategic Plan for the College of Business and operationalized it.
- Prepared the professional accreditation plan with a timeline and various policies for the college and the institution. Worked with the Enrollment Dean and other college deans.
- Prepared program learning outcomes and assessment plans for the U/G and the graduate programs.
- Collaborated with the business community and formed a Business Advisory Council. Partnered with various agencies for fundraising, community development, and program enhancement. Developed three new Executive MBA program in Logistics and Supply Chain Management.
- An Ex-officio member of the Institute's Executive Committee, Academic Council, etc. and Chair of several decision-making committees.
- Responsible for all activities of the Bang College of Business, faculty hiring, retention, and promotion, relations with community-at-large, external funding, marketing campaign, etc.
- Prepared and managed college budget (\$10.4 million), a plan for assurance of learning, faculty evaluation, annual reports, etc.
- Attended AACSB and EFMD conferences and workshops and interacted with colleagues from international institutions. Published research articles in International journals.
- Motivated faculty members to present their research papers at national and international conferences and publish them in professional journals listed in Cabell directory (a budget of \$250,000).
- Worked with foreign faculty members to teach summer courses at KIMEP and developed faculty exchange program.
- Taught MBA, Ex MBA, and BBA courses in Operations Management. Published several research articles.

Touro University-California, Chairperson of Business & Management, August 2008 - June 2010

- Prepared and managed budget for the Business and Management department and College of Undergraduate Studies.
- Prepared the Substantive Change Proposal for a new Bachelor of Science in Business and Management at Touro University - California.
- Prepared vision and mission statements and strategic plan for the College of Undergraduate Studies.
- Prepared a new curriculum as per AACSB guidelines for a new Business and Management program. Incorporated in curriculum suggestions from employers and community.
- Prepared Student Learning Objectives and its Assessment Plan.
- Obtained the WASC approval for a new Bachelor of Science program in Business and Management.
- Prepared a marketing campaign to recruit students.
- Coordinated all activities including program development, staffing, scheduling, etc.
- Prepared a Website for the Business and Management program.

- Actively participated in several academic committees.
- Attended conferences on new program development, program approval, and AACSB accreditation.

California Maritime Academy (California State University System), Professor, Business Administration, May 2006 - July 2008

- Actively participated in the Executive Senate of the Academy that made important institution-wide decisions.
- Actively participated in President's retreats on the Academy's strategic and master plans.
- Prepared a curriculum and Substantive Change Proposal for a Master of Science program in Global Supply Chain Management and Security (approved by California State University Chancellor's office and WASC).
- Prepared internship guidelines, evaluated and monitored student internships.
- Revised the departmental curriculum and introduced new courses for quality improvement and currency.
- Provided leadership on the Academy's training ship at sea and foreign ports for two years.
- Arranged and conducted industrial tours for Business students in foreign countries.
- Actively participated in all shipboard and port activities.
- Assisted the Academic Dean in hiring faculty, cruise planning, accreditation process, enrollment plan, and new program development.
- Organized Business days in April and November 2007, more than twenty senior business representatives made presentations to the Academy students and faculty.
- Taught courses in Business Administration, Published research articles.

Virginia State University, Professor August 1998 - May 2006, Associate Professor January 1991-July 1998.

Taught courses in Information Systems, Operations/Supply Chain Management, Management Sciences, Business Statistics, Information Systems, etc. Published more than fifty research articles.

Program Chair for SE INFORMS 2005, organized the entire conference.

Prepared the Self-study report for AACSB accreditation and attended AACSB conferences.

Prepared School of Business Strategic plan.

Prepared Business Advisory Council policies and procedures.

Worked with SAP and introduced ERP modules in curriculum.

Chaired committee and prepared policy document on Shared Governance.

Committee member for University's 20/20 Vision Plan.

Track Chair, paper-reviewer, session chair, discussant for Decision Sciences Institute (DSI), SE INFORMS, and Southeast DSI conferences.

Chaired the selection committee for Institutional Research Director.

Chaired departmental chair selection committee several times.

Chaired Student Recruitment and Retention Committee.

Organized Business Week 2005 and 2006, more than 40 speakers from business houses made presentations to students and faculty.

Chaired Faculty Composition and Development Committee.

Member of Faculty Intellectual Contribution Committee and Curriculum Development Committee.

Chaired several committees on tenure and promotion at the departmental, school, and university level.

Chaired the University Committee on traffic/parking violation appeals 1997-2006.

A member of the University Senate at Virginia State University 1996-2006.

Active member of several University and School committees.
 Wrote several Grant proposals and got funded.
 Worked as a reviewer for several professional journals, like Operations Research, Computers & OR, International Journal of Business and IT, Decision Sciences etc.
 Supervised several MBA theses.
 Worked as an External Examiner for a Ph. D. Thesis, 2004-2005.
 Worked as an External Examiner for the University of Guyana, 1992 to 1999.

CURRENT RESEARCH

1. Role of Port Management in Intercontinental Distribution.
2. Global Logistics and Supply Chain Management in Central Asia.
3. Optimizing procurement operations in a supply chain.
4. Strategizing supply chain management process.

PUBLICATIONS IN REFEREED JOURNALS

1. Kazakhstani Agribusiness Supply Chain: Issues and Challenges. American International Journal of Social Science, Vol. 3, No. 7, December 2014, pp 92-99. (ISSN 2325-4149)
2. "Agribusiness Supply Chain in Kazakhstan, *Amity Global Business Review (AGBR)*, Vol. 6 (1), Feb 2011, pp 85-90 (ISSN 0975-511X)
3. "Incorporation of Learning Curves in Economic Order Quantity (EOQ) and Economic Production Quantity (EPQ) Models" The Scientific Journal of Administrative Development. Vol. 4, 2006, pp 70-87.
4. "Factors Affecting Website Downloads and Their Economic Implications" International Journal of Business and IT. Vol. 2, No. 1, April-September 2005, pp. 19-24.
5. "A Marginal Monetary Worth (MMW) Human Valuation Model" accepted for The Scientific Journal of Administrative Development. Vol. 3, 2005, pp. 79-91.
6. "An Optimization Approach to Fueling Warships at Sea" International Journal of Business and IT, Vol. 1, No. 1, April 2004, pp. 51-57.
7. "Incorporation of Learning Curves in Break-Even Point Analysis" Delhi Business Review, Vol. 22, No. 6 (2001), pp 45-49.
8. "A Spreadsheet Approach for Lot Sizing Time-varying demands" International Journal of Physical Distribution and Logistics Management, Vol. 23, No. 6 (1993), pp. 27-34.
9. "Facility Life Cycles," Omega, Vol. 21, No. 2 (1993), pp. 245-254.
10. "Ethical Issues in the Product Life Cycle" International Journal of Value-Based management, Vol. 5, No. 2 (1992), pp. 81-91.
11. "A Decomposition Technique for Mixed Integer Programming Problems" Computers and Operational Research, Vol. 19, No. 6 (1992), pp. 505-519.
12. "Routing Container Ships Using Lagrangean Relaxation and Decomposition" Transportation Science, 25 (1991), pp. 201-214.
13. "Order-Picking in Narrow-aisle Warehouses" International Journal of Physical Distribution and Logistics Management, Volume 20, Number 2 (1990), pp. 9-15.
14. "A Model and Solution Algorithm for Optimal Routing of a Time-chartered Container Ship" Transportation Science, Vol. 22 (1988), pp. 83-95.

PUBLICATIONS IN REFEREED PROCEEDINGS

1. Factors Influencing the Progress of Central Asian Economies. Presented at SW DSI 2015 and published in its Proceedings, Houston, TX, March 11-14, 2015.
2. Transportation in Kazakhstan and its Economic Implications. Presented at SW DSI 2015 and published in its Proceedings, Houston, TX, March 11-14, 2015.
3. Real-World Supply Chain Business Analytics. Presented at APICS 2014, New Orleans, LA, October 19-22, 2014.
4. An Intercontinental Multi-Modal Distribution Model for Containerized Goods. Presented at FAIM 2014 and published in its Proceedings, St. Antonio, TX, May 20-23, 2014.
5. Role of Port Management in Intercontinental Distribution. Presented at FAIM 2014 conference and published in its Proceedings, St. Antonio, TX, May 20-23, 2014.
6. Kazakhstani Agribusiness Supply: Issues and Challenges, KIMEP International Research Conference 2011 (KIRC) Proceedings, pages 87-96
7. Transportation in Kazakhstan and Its Economic Implication, KIMEP International Research Conference 2011 (KIRC) Proceedings, pages 103-112.
8. Computer Simulation and Risk Assessment, KIMEP International Research Conference 2011 (KIRC) Proceedings, pages 126-127.
9. "Computer models for solving operational problems in the Maritime Industry" The Conference on Teaching and Learning in the Maritime Environment, March 2007, CMA Vallejo, CA.
10. "Reverse Logistics in Liner Shipping Mode: An Optimization Approach for Barge Routing," National DSI Conference 2005, San Francisco, CA.
11. Implementing a Non-Traditional Course Delivery Model at an Academic Institution," Southeast INFORMS, Oct 2005, Myrtle Beach, SC.
12. "Security Measures at Hotels in Petersburg Area," SE INFORMS, Oct 2005, Myrtle Beach, SC.
13. "A Modeling Approach for Movement of Empty Containers in Linear Shipping" SE DSI, Feb 2005, Raleigh, NC.
14. "Outsourcing and Competition" SE DSI, Feb 2005, Raleigh, NC.
15. "Order-Picking System for Distribution Centers" Southeast INFORMS, Oct 2004, Myrtle Beach, SC.
16. "An Analysis of Home Mortgage Products" 2004 International Applied Business Research Conference, San Juan, Puerto Rico.
17. "An Analysis of Residential Mortgage Markets in the U.S.A and India" Fifth International Conference and Inaugural Conference of Academy of Global Business Advancement, Jan 2004, New Delhi, India.
18. "Simulation Using Microsoft Excel" International Seminar on Organizational Effectiveness Through IT Enabled Strategies, Jan 2004, New Delhi, India.
19. "Strategies to Motivate Business Students Performance in Decision Sciences Courses" Southeast DSI, p55-56, Feb2004, Charleston SC.
20. "Independent Mortgage Broker and Customer Service" South East INFORMS, Oct 2003,
21. "Real Estate Investment and its Effect to Boost National Economy" SE DSI, Feb 20003, Williamsburg, VA.
22. "Effect of Exchange Rate Exposure on Industry Portfolio Returns" SE INFORMS, Oct 2002, Myrtle Beach, SC.
23. "Customer Relationship Management and its Effectiveness" South East INFORMS, Oct 2002, Myrtle Beach, SC.
24. "Nursing Shortage, Its Causes and Effects" South East INFORMS, Oct 2002, Myrtle Beach, SC.
25. "A Data Envelopment Model for Health Clinics" South East INFORMS, Oct 2001, Myrtle Beach, SC.
26. "Buying VA Foreclosed Properties" SE DSI, Feb 2001, Charlotte, N.C.
27. "A Marginal Monetary Evaluation Model for Valuating Human Value" National DSI, Nov 2001.

28. "The Learning Curve: An Effective Negotiating Tool for Buyers" SE DSI, Feb 2000, Wilmington, N.C.
29. "Team Learning Experiences of Student Perceptions in a Production/Operations Management Class at a Minority Institution. National DSI 1999, San Diego, CA.
30. "Incorporation of Learning Curves in Break-Even Point Analysis" South East INFORMS, Oct 1999, Myrtle Beach, SC. (Best Paper in the Accounting Track)
31. "International Shipping and Supply Chain Management" South East INFORMS, Oct 1999, Myrtle Beach, SC.
32. "Effects of the Learning curve on Competitive Advantage" South East INFORMS, Oct 1999, Myrtle Beach, SC.
33. "Multimedia and Attention Span" South East INFORMS, Oct 1999, Myrtle Beach, SC.
34. "Supply Chain Management and SAP R/3" South East INFORMS, Oct 1998, Myrtle Beach, SC.
35. "Teaching Acceptance Sampling with Spreadsheets" South East INFORMS, Oct 1998, Myrtle Beach, SC.
36. "Influence of Culture on Ethical Domain" South East INFORMS, Oct 1997, Myrtle Beach, SC.
37. "Teaching Statistical Quality Control Using Spreadsheets" Business Research Yearbook. International Academy of Business Disciplines, April 1997, Orlando, Florida.
38. "A Heuristics for a Warehouse Location Problem" South East INFORMS, Oct 1996, Myrtle Beach, S.C.
39. "A Technology Investment Decision Model" Business Research Yearbook. International Academy of Business Disciplines, April 1996, Rockville, Maryland..
40. "A Decomposition Method for The Multi-Item Capacitated Lot-Sizing Problem" Southeast INFORMS, October 1995, Myrtle Beach, SC.
41. "A Heuristic for GT-Cell Formation Using Volume and Material Handling Costs" Southeast INFORMS, October 1995, Myrtle Beach, SC.
42. "Marketability of Virginia Farmland" Business Research Yearbook. International Academy of Business Disciplines, April 1995, Redondo Beach, California.
43. "An Optimization Approach to Fueling Warships at Sea" Southeast TIMS, October 1994, Myrtle Beach, SC. 442-444.
44. "A Spreadsheet Method for Time-Series Decomposition" South East TIMS, October 1994, Myrtle Beach, SC. 448-451.
45. "An Assignment Model for Drivers to Make Deliveries from Distribution Center to Retail Stores" Proceedings of The Midwest Decision Sciences Institute, May 1994.
46. "A Profitability Maximization Model for Productivity Analysis" Decision Sciences, November 1993. Washington, D.C..
47. "An Effective Approach to Teaching Linear Programming" South East TIMS, October 1993, 373-374.
48. "Ethical Issues Among Different Cultures" South East TIMS, October 1993, 88-89.
49. "Export Potential for Minority Business Enterprises in the Caribbean and West African Countries" South East TIMS, October 1993,
50. "A Model for Recording Primary Data for Use in Faculty Promotion and Tenure" Southeast TIMS, October 1993, 213- 215.
51. "Time Series Forecasting Using Spreadsheets" International Academy of Business Disciplines, April 1993, 203-208.
52. "Incorporation of Learning Curves in Economic Production Lot Quantity Model" International Academy of Business Disciplines, April 1993, 254-259.
53. "Impact of AIDS on Consumer Behavior in 2000" The Urban Business Association, April 1993, 182-188.
54. "A Framework Model for Information Distillation" Southeast TIMS, October 1992, 215-218.

55. "The Theory of Constraints and Sunk Costs" Southeast TIMS, October 1992, 6-9.
56. "Base Period Data Validation in Productivity Measurement System: An LP Approach" Southeast TIMS, October 1992, 248-252.
57. "Incorporation of Learning Curves in EOQ models" Southeast TIMS, October 1992, 236-239.

ACADEMIC EMPLOYMENT

Twenty-nine years of research and teaching in Production/Operations Management, Management Sciences, Supply Chain and Logistics Management, Purchasing Applications, Logistics in Industrial Distribution, Quality Process in Supply Chain, Business Statistics and Research Methods, Information Systems, International Business, Strategic Management, etc.

August 2014 to present. Professor, Department of Accounting and Logistics Management, Alabama A& M University, Huntsville, AL
 August 2013 to May 2014. Professor, Department of Engineering Technology and Industrial Distribution, Texas A & M University, College Station, TX
 August 2010 to July 2011 Dean, Bang College of Business, and Professor of Operations Management and Information Systems, KIMEP University, Kazakhstan
 Jul 2008 to June 2010 Professor and Chairperson, Business & Management, Touro University, CA
 May 2006 to Jul 2008 Professor, California Maritime Academy, CA
 Aug 1998 to May 2006 Professor, Virginia State University, VA
 Jan 1991 to July 1998 Associate Professor, Virginia State University, VA
 Sep 1989 to Dec 1990 Assistant Professor, University of Toledo, OH
 Sep 1985 to Aug 1989 Assistant Professor, Saint Mary's University, Canada

WORK EXPERIENCE

Worked for the Indian Navy for nine years (1969 to 1978) as a Commissioned Officer (Lieutenant Commander), Chief Engineer of warships: Managed Engineering department with more than 250 men.

Shipbuilding Engineer: Managed the warship-building projects of hundreds of millions of dollars.

Machinery Test and Trials Engineer: Conducted ship trials at sea, supervised more than 50 men.

Chief Engineer with Gulf Dredging Company, Kuwait for three years (1979 to 1981): Managed multi-million dollar projects. Production rate of more than \$100,000 a day.

Faculty Intern (1995) with U.S. Army R.D. & E. Center, Natick, MA.: Worked with US Army researchers to enhance soldier effectiveness in warfare. Developed a computer based model for allocating research funds to maximize Soldier's effectiveness at war.

MBA Director, Training Director for junior officers, Indian Navy.

Organized (as the Program Chair) 2005 SE INFORMS Conference.

Chaired the Business Week 2005 and 2006 Organizing Committee at VSU.

Managed several research grants.

GRANTS AND AWARDS

VSU Infrastructure Development Grant, NSF, 2004. \$1,900,000

VSU Summer Research Grant 2004, \$5000.

VSU Provost Research Initiative Grants 2003, \$12,600.

VSU Summer Research Grant 2001, \$5000.

VSU Summer Research Grant 1991, \$4,500.

Multi-item Capacitated Problem and the Decomposition Technique, 1988-89, NSERC General Grant, \$4,000.

Models and Solution Techniques for managing Maritime industry, 1987-90, Natural Sciences and Engineering Research Council of Canada, 3-year grant of \$30,000.

Modeling Containership Operations, 1986-87, Natural Sciences and Engineering Research Council of Canada, Operating Annual grant of \$6000.

Material Requirements Planning in Shipbuilding, 1986-87, Saint Mary's Senate Research Grant of \$7000.

GRADUATE THESIS SUPERVISOR

Supervised the following Ph. D. and M.B.A. theses:

1. Computer Integrated Production Management As It Relates to a Shipyard.
2. A Feasibility Study of Berth Expansion at the Port of Halifax.
3. A Simulation Study of the Berth Congestion Problem at the Halifax International Container Terminal.
4. Evaluation of Production Capacity in a Flexible Manufacturing Cell.
5. An Analysis of the Fluctuation Pattern of the Hong Kong Stock Market Against Other World's Major Stock Markets.
6. An Expert System for Ship's Engine Diagnosis Using VP-Expert.
7. Default Rate of Agribusiness Loans in India.

PROFESSIONAL AFFILIATION

Member of: SW DSI, Institute of Supply management (ISM), American Production and Inventory Control Society (APICS)