

Dr. Vikas Agrawal
Fayetteville State University
Management
(910) 672-1338
Email: vagrawal@uncfsu.edu

Education

PhD, The University of Toledo, 2005.
Major: Manufacturing Management
Dissertation Title: Data Warehouse Operational Design: View Selection and Performance Simulation

MSc, The University of Toledo, 2000.
Major: Industrial Engineering

MBA, Nagpur University, 1999.
Major: Marketing and Finance

Bachelor of Engineering, Regional College of Engineering, 1996.
Major: Mechanical Engineering

Professional Positions

Academic - Post-Secondary

Assistant Professor of Management, Fayetteville State University. (August 2005 - Present).

Licensures and Certifications

Certified Supply Chain Professional (CSCP) by APICS (The Association for Operations Management), FSU. (December 13, 2008 - Present).

Professional Memberships

APICS.

Decision Sciences Institute (DSI) Conference.

Graduate Students Association, The University of Toledo.

Mid West Business Administration Association (MBAA) Conference.

Visvesvaraya National Institute of Technology (VNIT) Alumni, India.

Member, Oracle Corporation. (August 15, 2009 - August 15, 2010).

Development Activities Attended

Technology Related Training, "Intro to Data Mining using SAS Software," FSU. (October 15, 2008 - Present).

Technology Related Training, "Creating and Exploiting OLAP Using the SAS System," FSU. (March 7, 2008 - Present).

Technology Related Training, "SQL Processing with SAS," FSU. (May 1, 2007 - Present).

Technology Related Training, "SAS Programming I," FSU. (March 10, 2006 - Present).

Technology Related Training, "SAS Programming II," FSU. (March 10, 2006 - Present).

Seminar/Workshop, "Faculty Development Seminar by Dr. L. Dee Fink," Fayetteville State University. (April 13, 2010).

APICS, The Association for Operations Management. (2009).

Technology Related Training, "Oracle Database 11g: Introduction to SQL Ed1," FSU. (December 11, 2009 - December 16, 2009).

Technology Related Training, "Oracle Database 11: Introduction to SQL Ed1," Fayetteville State University. (December 7, 2009 - December 11, 2009).

Seminar/Workshop, "Introduction to Serena Collage Workshop," Fayetteville State University. (September 22, 2009).

Technology Related Training, SAS. (2008).

Conference Attendance, The National DSI Conference. (November 22, 2008 - November 25, 2008).

Conference Attendance, AACSB Faculty Conference on Learning and Research. (June 30, 2008 - July 1, 2008).

OFC Venture Challenge. (April 17, 2008 - April 20, 2008).

Seminar/Workshop, Applied Business Research and College Teaching & Learning Conference. (January 2, 2008 - January 5, 2008).

Technology Related Training, SAS. (2007).

Technology Related Training, SAS. (2007).

TEACHING

Teaching Experience

Fayetteville State University

620, Communications and Procurement in Project Management, 1 course.
MATH 340, Project Management, 1 course.
MGMT 335, 18 courses.
MGMT 340, Project Management, 1 course.
MIS 321, 6 courses.
MIS 330, Systems Analysis and Design, 4 courses.
MIS 435, Electronic Commerce, 1 course.
MIS 440, New Topics in MIS, 1 course.
MIS 610, CPM 610, 1 course.
MIS 620, 2 courses.
MIS 630, CPM 630, 2 courses.

RESEARCH

Published Intellectual Contributions

Refereed Journal Articles

- Thatte, A., Agrawal, V., Muhammed, S. (2009). Linking Information Sharing and Supplier Network Responsiveness with Delivery Dependability of a Firm. *Journal Of Applied Business Research*, 25(3), 37-56.
- Thatte, A., Muhammed, S., Agrawal, V. (2008). Effect of Information Sharing and Supplier Network Responsiveness on Time-to-Market Capability of a Firm. *Review of Business Research*, 8(2), 118-131.
- Dhumal, P., Agrawal, V. (2008). Performance Evaluation of Serial Flow Systems: Analyzing the Impact of Workforce Flexibility and Task Time Variation Using Simulation. *International Journal of Operations and Quantitative Management*, 14(2), 129-139.
- Agrawal, V., Muhammed, S., Thatte, A. (2008). Enabling Knowledge Sharing through Intrinsic Motivation and Perceived IT Support. *Review Of Business Information Systems*, 12(3), 21-36.
- Muhammed, S., Agrawal, V. (2007). Exploring Perception of Technology Usefulness as a Mediator Between ICT Support and Knowledge Sharing. *Journal of Academy of Business and Economics*, 7(2), 1-8.
- Agrawal, V., Sundararaghavan, P., Ahmed, M., Nandkeolyer, U. (2007). View Materialization in a Data Cube: Optimization Models and Heuristics. *Journal of Database Management*, 18(3), 1-20.

Conference Proceedings

- Parag, D., Agrawal, V. (2008). *Optimal Determination of Service Capacity for Systems with Sensitive Arrival Rate*. Baltimore, MD: The National DSI Conference.
- Agrawal, V., Muhammed, S., Thatte, A. (2008). *Motivation and Knowledge Sharing: Role of Perceived IT Support*. Orlando, FL: Applied Business Research and College Teaching & Learning Conference.

Presentations Given

- Parag, D., Agrawal, V., The National DSI Conference, "Optimal Determination of Service Capacity for Systems with Sensitive Arrival Rate," Baltimore, MD. (November 2008).
- Agrawal, V., Muhammed, S., Thatte, A., Applied Business Research and College Teaching & Learning Conference, "Motivation and Knowledge Sharing: Role of Perceived IT Support," Orlando, FL. (January 2008).
- Thatte, A., Agrawal, V., Muhammed, S., Applied Business Research and College Teaching & Learning Conference Proceedings, "Linking Information Sharing and Supplier Network Responsiveness with Delivery Dependability of a Firm," Orlando, FL. (January 2008).
- Muhammed, S., Agrawal, V., International Academy of Business and Economics, "Exploring Perception of Technology Usefulness as a Mediator between ICT support and Knowledge Sharing,," Las Vegas, NV. (October 2007).

Contracts, Grants and Sponsored Research

Grant

Lari, Alireza, Vittorelli, Joseph, Agrawal, Vikas, Muhammed, Shahnawaz, Ellis, Richard, "Enhancing MIS/CS Education and Training at FSU using HP Technology," Sponsored by HP Innovations in Education grants for colleges and universities, \$240,000.00. (2009).

Awards and Honors

Applied Business Research and College Teaching & Learning Conference. (2008).

Intellectual Contributions in Submission

Refereed Journal Articles

Wagner, N., Agrawal, V. Using Evolutionary Algorithm Technique to Solve the View Materialization Problem in a Data Warehouse. *International Journal of Intelligent Information and Database Systems*, 22.
<http://www.inderscience.com/browse/index.php?journalCODE=ijjids>

Research in Progress

"Agent Based Modeling System for Emergency Preparation and Disaster Response" (Planning)
As part of the FSU Center of Homeland Security Initiative, Dr. Vikas Agrawal and I are working on an agent based modeling system to simulate a disaster and measure how well emergency procedures respond to the disaster. The idea is a software simulation tool that will allow administrators to simulate various disaster circumstances and measure the quality of various emergency procedures.

This research area has been identified during Center of Homeland Security Initiative meetings which included Dr. Thomas Conway and Dr. Charles Curtis of FSU Academic Affairs Department and various representatives of the Department of Homeland Security and their Centers of Excellence.

This research is currently in the planning stages, as Dr. Agrawal and I are corresponding with various emergency response experts including FSU's Director of Emergency Management George Tatum to gather details that can be included in the simulation. We are also actively searching for grant opportunities applicable to this research.

"Antecedents of knowledge worker performance: knowledge management perspective."

"Optimal determination of service capacity for serial systems"

SERVICE

Department Service

Committee Member, MIS Certification Committee. (2008 - Present).

Faculty Advisor, Association for International Technology Professional (AITP). (2007 - Present).

Committee Chair, MIS Workshop. (2007 - Present).

Committee Member, Student Recruitment Committee. (2006 - Present).

Committee Member, Teaching and Research Forum Committee. (2006 - Present).

Committee Member, Departmental Curriculum Committee. (2005 - Present).

Faculty Advisor, Student Advisor. (2004 - Present).

Committee Member, MIS Faculty Search Committee. (August 15, 2009 - May 10, 2010).

Committee Member, ECON 310 Revision Committee. (2008 - 2009).

MIS Workshop Presenter. (November 2009).

Committee Chair, MIS Major Continuous Improvement Committee. (2007 - 2008).

Committee Chair, Alumni Network Committee. (2006 - 2008).

MIS Workshop Presenter. (November 2008).

Committee Member, MIS Program Review Committee. (2006 - 2007).

MIS Workshop Presenter. (November 2007).

College Service

Committee Chair, Project Lead for Faculty Expertise Search system. (May 1, 2008 - December 15, 2008).

University Service

Project Lead/ Software developer, Faculty Expertise System. (May 1, 2009 - Present).

Open House Fair for MIS. (2008).

Sophomore Class Career fair. (2007).

Professional Service

Reviewer, Paper or Article, American Institute of Higher Education Journal. (2009 - 2010).

Reviewer, Book, Operations Management by Stevenson, 11th Ed... (2009 - 2010).

Reviewer, Book, "Managing Operations Across the Supply Chain" by Swink, Melnyk, Cooper & Hartley. (December 20, 2009 - February 19, 2010).

Reviewer, Paper or Article, American Institute of Higher Education Journal. (2008 - 2009).

Reviewer, Paper or Article, International Journal of Operations and Quantitative Management. (2008 - 2009).

MIS/AITP Workshop. (2008 - 2009).

Reviewer, Paper or Article, National Decision Sciences Institute (DSI) 39th Annual Conference.
(2008 - 2009).

MIS/AITP Workshop. (2007 - 2008).

Reviewer, Book, Systems Analysis and Design, 4th Ed. (2007 - 2008).

MIS/AITP Workshop. (2006 - 2007).

Public Service

United Way of Cumberland County. (November 2008 - Present).

SENCAIA Indian Organization, Fayetteville, NC. (October 20, 2009).

Public School Service

High School visit, Fayetteville, NC. (2008 - 2009).