

Siddharth Rastogi

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EDUCATION

NORTH CAROLINA STATE UNIVERSITY (NCSU), Raleigh, NC, USA

PhD Student: (Jan. 2016 – Current)

Major: Textile Technology Management; Supporting Area: Big Data Analytics

- Research in progress: “Integrating Big Data and Data Visualization to Improve Supply Chain Decision Making”
- SAS Certified, obtained hands-on experience with Hive, Pig, and SAS during SAS training on Hadoop Data Management.

THE OHIO STATE UNIVERSITY (OSU) – THE MAX M. FISHER COLLEGE OF BUSINESS

Master of Arts: December 2015

Major: Operations Management

Minor: Statistics

- Research in progress (Conducted several experiments with 500 operations management students): “Facilitating supplier investment for supply chain resilience: an experimental study of contextual framing and the visual saliency of risk”

NORTH CAROLINA STATE UNIVERSITY (NCSU), Raleigh, NC, USA

Master of Business Administration: May 2012

Major: Supply Chain Management

Supporting Area: Finance Management

- Among Top 10% in a Class of 52, Graduated with Honors, GPA 3.68/4.00
- Editor, IEEE Engineering Management Review, (Jan. 2012 – May 2012)
- SAP Certified, obtained hands-on experience with SAP ECC 6.0 in SD, MM, PP, FI, CO and WM modules.
- Research Paper: “Reducing Energy Cost Impacts on Global Supply Chains through a Predictive Model to Forecast Jet Fuel Prices”

UTTAR PRADESH TECHNICAL UNIVERSITY (UPTU), Lucknow, UP, India

Engineering, Bachelor of Technology: May 2007

Field of Study: Manufacturing Technology

- Ranked 1st Overall, First Division, GPA 3.78/4.00 (WES Report)
- Research Project: “Importance and Benefits of Value Chain Integration”

WORK EXPERIENCE

BAYER CROP SCIENCE, Research Triangle Park (RTP), NC, USA (May 2016–Current)

- Supply Chain Big Data Project Analyst

ASHOK HANDLOOMS PRIVATE LIMITED, Meerut, UP, India (May 2012–July 2013)

- Senior Manager, Global Supply Chain Planning

EISAI, INC., Research Triangle Park (RTP), NC, USA (May 2011–Aug 2011)

- Global Supply Chain Planning Intern

ASHOK HANDLOOMS PRIVATE LIMITED, Meerut, UP, India (June 2008–July 2010)

- Manager, Sales and Operations
- Project Manager
- Deputy Manager, Quality Assurance

ABHISHEK INDUSTRIES LIMITED, Ludhiana, PB, India (June 2007–May 2008)

- Assistant Manager, Production Planning

ALPS INDUSTRIES LIMITED, Sahibabad, UP, India (June 2006–Aug. 2006)

- Production Planning Intern

PASUPATI FABRICS LIMITED, Kosi Kalan, UP, India (June 2005–Aug. 2005)

- Manufacturing Technology Intern

RESEARCH ACTIVITY**Research in Progress**

- Integrating big data and data visualization to improve supply chain decision making
- Facilitating supplier investment for supply chain resilience: an experimental study of contextual framing and the visual saliency of risk.

Conference Presentations

- Rastogi, S., & Gray, J.V. Lean Maturity and Firm's Resilience to Supply Chain Disruptions. POM 26th Annual Conference, Washington DC, May 2015.
- Rastogi, S., & Benton, W.C. Supply Chain Practice, Information Sharing, and Firm's Resilience to Supply Chain Disruptions. POM 26th Annual Conference, Washington DC, May 2015.
- Rastogi, S., & Rungtusanatham, M. Supply Chain Integration and Supply Chain Disruption Intensity: Is the Relationship Positive or Negative? POM 25th Annual Conference, Atlanta, Georgia, May 2014.

Consulting and Industry Research Projects

- FedEx, Memphis, Tennessee, USA: Summer 2015
 - Worked with FedEx on a research project that involved using Lean Six Sigma tools such as control charts for visualizing and managing supplier risk.
- FOODBUY, LLC, Charlotte, NC, USA: Fall 2011 (\$11 billion subsidiary of UK-based Compass Group, the world's leading provider of food services)
 - Worked with Foodbuy, LLC, on a research project that involved leveraging Foodbuy's business intelligence to improve client participation in its supply programs.
- LENOVO, Morrisville, NC, USA: Spring 2011
 - Worked with Lenovo, a global PC company, on a research project that involved reducing energy cost impacts on its global PC supply chain.

Independent Study

- COLLEGE OF TEXTILES, NCSU: Spring 2011
 - Performed an Independent Study (TTM 630) under guidance of Dr. Helmut H. Hergeth on global supply chain competitiveness of different regions' textiles sector.

Undergraduate Research Project

- UTTAR PRADESH TECHNICAL UNIVERSITY, UP, India: (2006–2007)
 - Performed research under the guidance of Prof. V. K. Malhotra on the importance and benefits of the value chain integration to organizations in the process of driving down costs and increasing the perception of value through differentiation.

TEACHING ACTIVITY**Instructor**

Fisher College of Management, The Ohio State University

- BUS 3230: Introduction to Operations Management: Fall 2014
 - Student Evaluation: 4.2/5.0

Teaching Assistant

College of Management, North Carolina State University

Assisted in the Teaching of the Following Classroom Courses:

- MBA 504 (602): Data Analysis and Forecasting Methods: Spring 2012
- BUS 370: Operations and Supply Chain Management: Fall 2011
- BUS 340: Information Systems Management: Spring 2011
- BUS 440: Database Management: Spring 2011
- BUS 442: Information Systems Development: Spring 2011
- MIE 201: Introduction to Business Processes: Fall 2010

NCSU Graduate School Preparing Future Leaders (PFL) Program Participant

Panel Member: Teaching in the U.S. Classroom Workshop: Fall 2011

- Selected for a panel of experienced international and domestic teaching assistants to speak on the topic of managing effective interactions with students in the classroom.

OUTREACH ACTIVITY**North Carolina State University (NCSU), Raleigh, NC**

Reception by the Governor and the Secretary of Commerce, NC: September 2011

Ambassador, NCSU and the Indian Graduate Students

- Selected as an Ambassador (by Office of International Students), NCSU and the Indian graduate students, to attend a reception with (and by) Governor Beverly Perdue and Secretary of Commerce J. Keith Crisco at the Executive Mansion, Raleigh, NC.

Global Training Initiative: Spring 2011

International Cultural Leadership Volunteer

- Helped visiting French international business students from SKEMA Business School to connect and become involved in the NCSU community.

Hunger Project in Washington, D.C.: October 2010

Member, Center for Student Leadership, Ethics, and Public Service Team

- Participated in a four-day service trip to the nation's capital to serve hungry people.

Ashok Handlooms Private Limited Meerut, UP, India (December 2008–April 2010)

Study Mission: Site Visits to Companies

Member, Study Mission Team

- Participant in various site visits to companies: Bombay Dyeing (December 2008), Welspun India Ltd. (March 2009), Alps Industries Ltd. (June 2009), and Arvind Mills (February 2010).

ACCOMPLISHMENTS, AWARDS, and HONORS**Academic**

2015 OSU Graduate School Scholarship of \$24,558 (High Academic Achievement)

2014 OSU Graduate School Scholarship of \$24,558 (High Academic Achievement)

2013 OSU Graduate School Scholarship of \$24,558 (High Academic Achievement)

2011 NC State University Outstanding Graduate Student (1 of 30)

2011 Selected as an Ambassador (by Office of International Students), NC State University and the Indian Graduate Students

2011 NCSU Poole College of Management Scholarship of \$17, 406 (High Academic Average)

2011 NCSU Graduate School Scholarship of \$8,610 (High Academic Achievement)

2011 Outstanding Paper Award, the 23rd Semi-Annual Supply Chain Resource Cooperative (SCRC) Meeting, Raleigh, NC

2010 NCSU Office of International Students Scholarship

2010 NCSU Academic Scholarship for outstanding students (Full funding package for MBA degree)

2007 Ranked 1st in the Textile Technology Department, UP Technical University

2007 Best Paper Award at Department Seminar, UP Technical University

2006 Academic Scholarship for outstanding students, UP Technical University

2003 UPTU Textile Technology Department Scholarship (Branch Opener)

2001 Pioneer Scholarship (Ranked 2nd in National Level Science Olympiad)

1997 Km. Chhavi Gupta Foundation Scholarship (Ranked 1st in State Level Mathematics Olympiad)

Professional

2010 Ashok Handlooms Operations Functional Leadership Award

2010 Achieved "Green-Certification" for the manufacturing facility from Wal-Mart

2008 Ashok Handlooms Best Quality Controller Award

2007 Abhishek Industries Employee of the Year Award

PROFESSIONAL ASSOCIATIONS

- APICS Triangle Chapter, the Association of Operations Management
- Decision Sciences Institute (DSI)
- Production and Operations Management Society (POMS)

EMPLOYMENT HISTORY

BAYER CROP SCIENCE, Research Triangle Park (RTP), NC, USA (May 2016–Current)

Supply Chain Big Data Project Analyst

- Developing Dashboard to visualize Bayer Crop Science US finished goods distribution network flow
- Developing Dashboard to visualize real-time Bayer finished goods inventory at nearly 90 DCs and Contract Manufacturing Sites
- Developing Dashboard to visualize outflow of finished goods to thousands of direct customers
- Developing Dashboard to visualize real-time distribution customer inventory
- Developing Dashboard to visualize outflow of finished goods from distribution customer locations
- Developing Dashboard to visualize inventory replenishment from production to distribution centers
- Developing Dashboard for focused analysis to help optimize Distribution Resource Planning
- Developing Dashboard to help optimize finished goods distribution decisions that includes both Supply Chain Integrated Planning (SCIP) scenarios and traditional distribution scenarios
- Developing Dashboard to visualize geographies where there is a higher concentration of SCIP distribution centers

ASHOK HANDLOOMS (Pvt.) LTD., Meerut, UP, India (May 2012–July 2013)

Senior Manager, Global Supply Chain Planning

- Ensure uninterrupted supply of company home textile products to global retail chains.
- Responsibilities include ensuring shipments of products from 3rd party suppliers in China to meet company market forecast requirements.
- Manage distribution of home textile products (\$10 million) with zero stock outs while consistently maintaining safety stock target.
- Conduct and facilitate timely regional S&OP meetings for assigned products that result in a coordinated business logistics plan that achieves optimal business results.
- Key member of New Product Initiative teams working with internal cross-functional departments to ensure global distribution of new products in right time, in right quantity, and in right place.

EISAI, INC., RTP, NC, USA (Global Health Care Organization) (May 2011–Aug 2011)

Intern, Global Supply Chain Planning

- Performed opportunity cost analysis of maintaining extra inventory for several SKUs at U.S. warehouses in order to save \$ 1.0 million annually by reducing extra inventory.
- Analyzed actual sales data for year 2010 and forecasted sales data for year 2011 of each SKU in order to save \$390,000 by reducing Pallet Position Storage Requirement.
- Key member of Eisai/JDA/PSI Global Supply Logistics Software Implementation.
- Calculated required shipping quantities of finished goods to transfer between distribution centers on the basis of established reorder points for all major brands.
- Supported Planners with Material Requirements Planning: Issued purchase orders for raw materials and verified delivery dates while maintaining MRP system parameters.
- Interacted daily with manufacturing, packaging, quality, and finance departments and held monthly meetings to ensure that all open issues were followed through.
- Managed inventory and reorder point of key raw materials on the basis of manufacturing schedules and discussed projected production plan recommendations with Planners.

ASHOK HANDLOOMS (Pvt.) LTD., Meerut, UP, India (June 2008–July 2010)

Manager, Sales and Operations (Aug 2009–July 2010)

- Led a diverse team of 20 executives for sales-and-operations planning and supervised operations—from product development and research to requirement analysis to sourcing, and setting costs.
- Reduced delivery time by five days and saved \$125,000 by dealing with freight forwarders to ensure best freight rates and timely shipment of consignments.
- Achieved 18 percent cost reduction in four months and enhanced user satisfaction levels by coordinating and maintaining relationships across diverse agencies and supply chains.
- Saved \$200,000 while negotiating sales contract with distributors: addressed issues such as payment schedules, quality of goods, warranties, and damages.
- Increased sales by \$ 4 million by studying potential market demand, by introducing two big buyer accounts, including that of Wal-Mart, and by resolving channel supply bottlenecks.

Project Manager (January 2009–July 2009)

- Led team of 20 executives for managing erection work and project to purchase 46 automatic power looms.
- Saved \$250,000 while negotiating purchase agreements of \$1.3 million with capital equipment supplier from China.
- Formulated business plan to start sourcing products from China and implemented job-work execution strategies to ensure economical and on-time deliveries of orders.
- Created monthly forecasts for over 100 products to assist supply chain management.

Deputy Manager, Quality Assurance June 2008–December 2008

- Led in designing and benchmark testing for over 100 manufactured products, granting quality assurance approvals and evaluating assurance plans for new and existing products.
- Created in-house product-testing facility, thus reducing company expenditure incurred annually through outsourcing.

ABHISHEK INDUSTRIES LIMITED, Ludhiana, PB, India (June 2007–May 2008)

Assistant Manager, Production Planning

- Developed plans to delegate resources—labor, machinery, and capital—for execution of standard and made-to-order demands.
- Increased plant production capacity by 40 percent by proactively tracking and monitoring production operations.

ALPS INDUSTRIES LIMITED, Sahibabad, UP, India (June 2006–Aug. 2006)

Intern, Production Planning

- Worked on a project to reduce weaving faults, reducing weaving faults from 10% to 2.5%.
- Implemented Performance Management system, enabling the creation of performance-oriented culture & increasing the department production by 10% in 2 months.

PASUPATI FABRICS LIMITED, Kosi Kalan, UP, India (June 2005–Aug. 2005)

Intern, Manufacturing Technology

- Conducted a detailed time and motion study on the machines to help in benchmarking of production standards and optimizing the workflow.
- Reconfigured production setup to reduce changeover & idling time and created customized product manufacturing model.

OTHER SKILLS**Skilled User of:**

- Big data Visualization tools such as Tableau and SAS Visual Analytics
- Big data Analysis tools such as SAS Enterprise Minor
- Big data management tools such as Hadoop
- Other Statistical analysis tools such as STATA, SPSS, and JMP
- MS Office, VISIO flow chart software, and MATLAB R2011a

SAS Skills:

- SAS Certified, obtained hands-on experience with Hive, Pig, and SAS during SAS training on Hadoop Data Management.
- Skilled user of SAS Visual Analytics
- Skilled user of SAS Enterprise Minor
- Skilled user of SAS JMP

SAP Skills:

- SAP Certified, obtained hands-on experience with SAP ECC 6.0 in SD, MM, PP, FI, CO and WM modules.
- Experienced in configuration with MM, CO and FI modules.