

## Md Tanveer Ahmed

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**Objective** Seeking a position in a leading organization with special interest in applications of Mathematical Modeling and Optimization, Statistics, Decision Science, Game Theory, and Revenue Management.

**Experience** **Mathematician** January 2013- Present  
Business Analytics  
Dow AgroSciences, Indianapolis, IN.

Contributed to the top and bottom line business improvement for Dow AgroSciences. Supported global business leaders and regional marketing, operations (manufacturing, Supply chain) and finance teams from both platforms in all geographies.

- **Price optimization:** Provided actionable insights to global and regional business leaders in order to influence and implement in-season and market year starting price and improve business profitability.
- **Supply chain optimization:** Helped regional operations teams to improve the efficiency of the existing supply chains and to assess the needs to accommodate business growth.
- **Business development:** Work with a regional team to identify business needs and challenges and select partners to support new market introduction and growth ambition for a core crop in an emerging market.
- **Contract analytics:** Supported negotiation strategy with a third party manufacturer for a key leverage crop by providing the financial impacts on different negotiation terms.

**Research/Teaching Assistant** August 2008- May 2012  
Industrial and Systems Engineering  
University at Buffalo  
**Responsibility:** Research, projects.

**Processing Area Improvement Initiative Project**  
Goodwill Industries of WNY, Inc. November 2011-May 2012

- Develop supply and demand forecasting models.
- Develop capacity planning model using forecasting and time study.

**Service Efficiency & Capacity Analysis Study Assessment Project**  
Charter School for Applied Technologies, Buffalo, NY March-September 2011

- Assessed the capacity of food services and identified 50% salable capacity.
- Recommended layout and work-procedure modification for smooth work-flow.

**Non-pharma Inventory Management System Assessment Project**  
Buffalo Veteran Affairs Medical Center, NY September-November 2008

- Studied Total Supply Support implementation benefit of non-pharma items.
- Reviewed and recommended inventory policy considering demand changes.
- Assessed the total number of Full Time Employee required (from 4.5 to 2.5).

**Assistant Professor** December 2004-August 2008  
Industrial and Production Engineering  
Bangladesh University of Engineering and Technology, Dhaka, Bangladesh  
**Responsibility:** Teaching, research, projects.

**Computer Skills**

- **Statistical Modeling and Data Mining:** Base SAS, SAS Enterprise Guide, SAS Forecast Studio, SAS Enterprise Miner, R, JMP
- **Mathematical Computation:** MATLAB, Maple
- **Optimization:** GAMS, CPLEX, LINDO: *What'sBest!*
- **Visualization:** Tableau

**Education****University at Buffalo, The State University of New York**

*PhD* Operations Research Specialization  
Industrial and Systems Engineering

February 2015

**Bangladesh University of Engineering and Technology (BUET)**

*Master of Science*

April 2007

*Bachelor of Science*

November 2004

Industrial and Production Engineering

**Certification**

Certified in Production and Inventory Management (CPIM)

**Professional Affiliations**

Institute for Operations Research and Management Sciences (INFORMS).  
Working Group on Generalized Convexity (WGGC).  
OMEGA RHO-the Honor Society of INFORMS.