

# HASAN H LATIF

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## EDUCATION

Masters of Science in Industrial Engineering (2012 – Present)  
West Virginia University – WV, USA  
GPA:4.00/4.00; Area of Emphasis: **Manufacturing**

Bachelor of Science in Industrial & Production Engineering (March, 2012)  
Bangladesh University of Engineering & Technology – Bangladesh  
GPA: 3.84/4.00; Rank: 2/34; Area of Emphasis: **Supply Chain Management**

**Certification:** Certified *Six Sigma Green Belt (CSSGB)* by ASQ, License No 11286, June 2014  
Fundamental of Engineering Exam (**FE**) by West Virginia Board. April, 2013

## RELEVANT EXPERIENCE

### **Medtronic, Inc.** – CA, USA

Process Development Engineering Co-Ops (August 2013 – June 2014)

- Formulating test methods and performing tests using DOE methodology and other design tool
- Developing process assembly line for a prototype & designing custom tooling and equipment of a next generation endovascular device
- Supporting the review & approval of process validation activities such as IQ, PQ, OQ, PPM, DFMA
- Trained on Solid Works, DOE, Minitab, Machining

### **West Virginia University** – WV, USA

Graduate Research Assistant, Industrial Assessment Center (August 2012 – July 2013, August 2014 - Present)

- Part of an energy audit and sustainable manufacturing research team. Audited 12 industries till date. Recommended waste minimization of OX paperboard and 6% waste has been reduced.
- Instructed Course: Manufacturing Processes, Facility Planning and Layout design (Train **AutoCAD/Solid Works** for the projects)

### **Eclectic, Inc.** – Dhaka, Bangladesh

Part time Consultant Engineer (August 2009 – January 2012)

- Increased approximately 10% customer satisfaction by developing the concept to measure service quality index for **distribution center** of a battery manufacturing industry.
- Achieved more than 15% Productivity improvement by implementing customized production planning for a furniture industry with the help of **time & motion study** and forecasting software. Designed the machine layout by **AutoCAD** software.

## RELATED RESEARCH PROJECTS

- Research on ‘Ordering Policy in a Supply Chain with ANFIS Demand Forecasting.’ Published in Int. Journal of Management Science and Engineering Management, Vol. 9, No. 2, pp. 114-124, 2014. Taylor & Francis Group.
- Research on ‘A Structured Approach for Facilitating the Implementation of ISO 50001 standard in the manufacturing sector.’ Published in Sustainable Energy Technologies & Assessments, Vol. 7, No. 3, pp. 154-165, 2014. Elsevier.
- Manufactured “Manual Fork Truck” by own design & using local resources in university machine center.

## COMPUTER SKILLS

Solid works, SAS, Minitab, MS Office, AUTOCAD, CATIA, MPL/CPLEX, ANSYS, MATLAB, C

## ACHIEVEMENT & INVOLVEMENT

- Member of Project Management Institute (PMI) (2013-2014)
- Member of American Society for Quality (ASQ) (2013-2014)
- Institute of Industrial Engineers (IIE) – Senior member (2012-2014).
- General Secretary, House of Volunteers\_BUET. Implemented computer training center in rural area and maintained them in collaboration with Chevron Bangladesh (2007-2012)
- Winner of 2<sup>nd</sup> CITI IT financial case competition (2010)