TEXAS STATE VITA

Please note: For all entries, list most recent items first. Headings without entries may be eliminated, but the heading lettering/numbering should remain consistent with this template.

I. Academic/Professional Background

A. Name: Sarah H Chowdhury Title: Lecturer

B. Educational Background

Degree	***Year***	***University***	***Major***	***Thesis/Dissertation***
MBA,	2015 – Present,	West Texas A&M University	General Business	None
M.S.,	2008 – 2010,	Texas Tech University,	Biomechanics	No – Comprehensive Examination
B.S.I.E,	2002 -2008,	Texas Tech University	Industrial Engineering	NA

C. University Experience

Position	*University*	*Dates*
Lab Instructor/TA Biomechanics Lab, 4 classes/semester,	*Texas Tech University,*	*2008 – 2010*
Instructor – PFW Walking Class Summer I	*Texas Tech University,*	*2009*
Research Assistant – Summer II	*Texas Tech University,*	*2009*

Lecturer: IE4360 Human Factors Engineering, Fall semester 2015, 2016, 2017 (Current assigned lecturer), Texas State University

Lecturer: IE4399A Six Sigma Methodologies, Spring 2016
Class then named IE4399A Lean Six Sigma, Spring 2017 (Current assigned lecturer), Texas State University

D. Relevant Professional Experience (See full resume at the end of the document)

Position	*Entity*	*Dates*
-Lean Master for the Americas	*Signify (Formerly Philips Lighting) San Marcos*	*April 2018 – Present*
-San Marcos Operations Manager	*Signify (Formerly Philips Lighting) San Marcos*	*March 2023 – December 2025*
-San Marcos Site Manager	*Signify (Formerly Philips Lighting) San Marco*	*December 2025 – April 2025 (Site Closure Project Manager January 2024 -July 2025*

- San Marcos Project Leader for 2024 Site Closure / Site Manager 2025
- Certified People Manager – iEdge Certified 2024
- GROW Program – Plant Manager Succession Program 2023
- San Marcos Operations Manager: Oversees operations for Paint, Fabrication, Sub-Assembly and Finished Good Assembly Operations
- Lean Master Black Belt Certified
- Six Sigma Black Belt In-Process (to be completed by Q1 2024)
- Additional Role of San Marcos Site Production Manager (Starting Feb 2023)
- Responsible for Signify Division Digital Solutions Americas Industrial Strategy and Manufacturing Footprint
- Responsible for the Lean Program for North and South Americas (09 sites total)
- Responsible for all Industrial Engineering implementation/standards for North and South Americas (09 sites total)
- Global and Regional Americas Community Expert for Manufacturing Standards in Assembly and Industrial Engineering
- Certified Lean Advanced Trainer for both Office and Manufacturing
- Certified Problem-Solving Trainer
- Certified Lean Expert (Black Belt)
- Certified Lean Advanced (Green Belt)

Position	*Entity*	*Dates*
Site Lean Leader & Site Industrial Engineer	*Philips San Marcos*	*May 2017 – Present*

-Leader for all Lean & Industrial Engineering Activities for Philips Lighting San Marcos
-Factory of the Future: Total Plant Re-layout using Systematic Layout Planning Methods
-Lean Leader for the Lean Program: implementing cultural transformation via Kaizen Culture, Lean tools and methodologies
-Trainer for all Lean Foundation course for both office and production level, Lean Advanced Trainer, Industrial Engineering Skills Trainer, Problem Solving Trainer (Certified). Certification of 148 Lean Foundations Trainees and 4+ Lean Advanced Trainees
Philips Six Sigma Green Belt Training – Course completion, May 2017
-Lean Expert Certification (In – Process), expect to complete by 2018
-2017 Senior Design Capstone (Industrial Engineering) Project Industry Advisor – Fabrication Kanban
-2015 Senior Design Capstone (Industrial Engineering) Project Industry Advisor – Milk Run Simulation
-Supervise two Industrial Engineering Full Time Employees – LEAN/Industrial Engineering Team

Site Industrial Engineer *Philips San Marcos October 2013 – Present*

-Assembly Continuous Improvement activities and Kaizen leader
-LEAN Phase 2 Project Leader, successful completion of passing Lean Phase 2, April 2016
-2015 Senior Design Capstone (Industrial Engineering) Project Industry Advisor – Milk Run Simulation of Supermarket parts for Model Line for Lean Phase 2
-Development of San Marcos's Work Measurement (Time Study) Program, 2014 – 2015
-Owner and developer for Tooling Analysis process for Category Product Managers, Commodity Teams, Design/Development, Engineering and Procurement, 2013 – 2014

Process Excellence Engineer II, Ethicon Inc, Part of a Johnson & Johnson Family of Companies 2012 – October 2013

Process Excellence Associate Engineer Ethicon Inc, Part of a Johnson & Johnson Family of Companies August 2010 – December 2012
-Site Industrial Engineer, May 2012 – October 2013
-Plant Waste Champion: highlighted, analyzed and quantified project opportunities to reduce scrap and yield losses. Created Loss Analysis Process benchmarked by other Ethicon Sites.
-Strategic Alignment core team member. Team developed the Ethicon Performance System to improve Overall Equipment Effectiveness (OEE), reduce scrap and yield losses and improve associate engagement.
-5S Pillar Owner March 2011 to July 2013 – Created and implemented 5S deployment strategy throughout entire facility and model machine areas. Kicked-off Visual Factory for our site; First non-executive to champion a Pillar
-Key team member of Focused Improvement Pillar responsible for data integrity. Liaison between Engineering and Process Excellence Team.
-Owned Routes – Created Line/Cells for new processes and machinery supporting plant growth; maintained all routings for the San Angelo plant
-Loaded Bills of Materials (BOM) in Change Control/ERP System to support Materials Management Group
-Made scrap factor, yield, machine run time and queue hours adjustments to reflect actual machine outputs
-Led IE Cost Revision Process each year to adjust standards impacting plant financials; Identified yield savings of $1.3MM
-Coached and supported associates with Kaizens. Taught modules for Yellow Belt and Lean Green Belt training.
-Supervised and mentored one Co-op Industrial Engineer

Burlington Northern Santa Fe Railway (BNSF), Summer months: 2008/2007/2006
Summer Intern, Ft. Worth, TX Headquarters

-Industrial Engineering -Ergonomics Intern, May 19, 2008 - August 11, 2008
Conducted industrial engineering observations and measured forces to assess ergonomic design of locomotive cab. Developed a nutrition and exercise program for locomotive crews to improve safety and productivity.

-Value Engineering and Strategic Analysis Intern, May 22, 2007 - August 8, 2007

Internal consultant. Studied coal utility improvements using data collection and analysis software tools, including field observations.

-Service Design/Marketing Intern, June 5, 2006 - August 11, 2006
Optimized schedule of the railway's South Line. Improved schedule was implemented. Worked with Train Service Plan Reports.

E. Other Professional Credentials (licensure, certification, etc.)
Lean Advanced Certification, 2015
Lean Expert Certification, in-progress 2017 – present
Six Sigma Greenbelt, in-progress 2017 - present

Professional Awards

AWARDS

Philips Kaizen Productivity Winner: August 2017 for reducing backlog to the customer from 3 weeks to 1 week ahead, increasing productivity by 23%, cost avoidance of a full second shift, and reduction of lead time of product to the customer
Philips Teaming Up to Excel Award: 2016 for Lean Implementation
Philips Recognition Award, 2015: For Model Line Implementation
Johnson & Johnson Process Excellence Award: Dedication to the development and implementation of the 5S Program in San Angelo, Texas
Ethicon Encore Award April 2013: Loaded Orthocord Products in new change control system
Ethicon Production System Award 2012: Credo Team – Relay for Life
Ethicon Production System Award 2012: Strategic Alignment –5S Pillar leader and key member of Strategic Alignment Core Team to plan and execute key Ethicon Production System activities to Model Machine areas
Ethicon Production System Award 2012: Focused Improvement – Quantification of Waste Data for CIP savings and highlighting opportunities to meet Business Plan Commitments
Ethicon Encore Award 2012: Waste Data Analysis for CIP Opportunities for new project ideas to meet Business Plan commitments
Ethicon VP of Manufacturing Award 2011: Suture Knot Reduction Kaizen reducing raw material waste
Ethicon Focused Improvement Pillar Award 2011:Suture Knot Reduction Kaizen reducing raw material waste

II. TEACHING

A. Teaching Honors and Awards:

B. Courses Taught:

Position *University* *Dates*
Lab Instructor/TA Biomechanics Lab, 4 classes/semester *Texas Tech University* *2008 – 2010*

Instructor – PFW Walking Class Summer I *Texas Tech University, 2009*
Research Assistant – Summer II *Texas Tech University, 2009*

Lecturer: IE4360 Human Factors Engineering, Fall semester 2015, 2016, 2017 (Current assigned lecturer), Texas State University

Lecturer: IE4399A Six Sigma Methodologies, Spring 2016
Class then named IE4399A Lean Six Sigma, Spring 2017 (Current assigned lecturer), Texas State University

C. Graduate Theses/Dissertations, Honors Theses, or Exit Committees (if supervisor, please indicate):

D. Courses Prepared and Curriculum Development:
IE4399A Six Sigma Methodologies – brand new course elective in 2016.
IE4399A Lean Six Sigma (to incorporate Lean to close a gap in curriculum to prepare students for relevant industry skills)
Developed current course activities and lectures as well for IE4360 Human Factors Engineering

Both courses, I develop projects and hands on activities to provide as much practical and real world experience as possible for the students – application of theory and principles is key to learning and internalizing all information

E. Funded External Teaching Grants and Contracts:

F. Submitted, but not Funded, External Teaching Grants and Contracts:

G. Funded Internal Teaching Grants and Contracts:

H. Submitted, but not Funded, Internal Teaching Grants and Contracts:

I. Other:

III. SCHOLARLY/CREATIVE

A. Works in Print (including works accepted, forthcoming, in press)

1. Books (if not refereed, please indicate)

a. Scholarly Monographs:

b. Textbooks:

c. Edited Books:

d. Chapters in Books:

e. Creative Books:

2. Articles

a. Refereed Journal Articles:

b. Non-refereed Articles:

3. Conference Proceedings

a. Refereed Conference Proceedings:

b. Non-refereed:

4. Abstracts:

5. Reports:

6. Book Reviews:

7. Other Works in Print:

B. Works not in Print

1. Papers Presented at Professional Meetings:

2. Invited Talks, Lectures, and Presentations:

Invited to Facilities Planning class to talk about how we apply theory to real-world application, summer 2015

3. Consultancies:

4. Workshops:

5. Other Works not in Print:

a. Works “submitted” or “under review”

b. Works “in progress”

c. Other works not in print

C. Grants and Contracts

1. Funded External Grants and Contracts:

2. Submitted, but not Funded, External Grants and Contracts:

3. Funded Internal Grants and Contracts:

4. Submitted, but not Funded, Internal Grants and Contracts:

D. Fellowships, Awards, Honors:

IV. SERVICE

A. Institutional

1. University:
2. College:
3. Department/School:

B. Professional:

C. Community:

D. Service Honors and Awards:

E. Service Grants and Contracts

1. Funded External Service Grants and Contracts:

2. Submitted, but not Funded, External Service Grants and Contracts:

3. Funded Internal Service Grants and Contracts:

4. Submitted, but not Funded, Internal Service Grants and Contracts:

Updated 7_2017

F. See Full Resume below:

Sarah H. Chowdhury

Experienced Industrial Engineer with strong change management and continuous improvement skills developed in a Lean manufacturing environment

EDUCATION

West Texas A&M University, 2015 - Present
Major: MBA (In process)

Texas Tech University, M.S., 2010
Major: Biomechanics

Texas Tech University, B.S.I.E., 2008
Major: Industrial Engineering

Special Skills

Certifications: Lean Advanced Certification 2015, Lean Expert Certification in process, Six Sigma Green Belt in process
Training: Philips Six Sigma Green Belt, 2017 and Lean Advanced 2015, J&J Lean and Six Sigma 2011, August 2013
Computer Skills: MS Word, MS Excel, MS PowerPoint, MS Visio, Minitab, Autodesk, iGrafx

WORK EXPERIENCE

Signify (Formerly Philips Lighting) San Marcos, TX **April 2018 – Present**
Lean Program Manager-Americas
Plants manufacture indoor/outdoor lighting solutions and some electronic components

- Responsible for the Lean Program for North and South Americas (10 sites total)
- Responsible for all Industrial Engineering implementation/standards for North and South Americas (10 sites total)
- -Americas Community Expert for Manufacturing Standards in Assembly and Industrial Engineering
- Certified Lean Advanced Trainer for both Office and Manufacturing
- Certified Problem-Solving Trainer
- Lean Expert & Master certifications in progress, 2019

Philips Lighting San Marcos, TX **May 2017 - Present**
Site Lean Leader & Industrial Engineer
This plant manufactures professional outdoor lighting solutions

- Leader for all Lean & Industrial Engineering Activities for Philips Lighting San Marcos
- Led the 2018 Management Team Hoshin Planning Session for Philips Lighting, San Marcos
- Factory of the Future: Assembly Line/Cell designs for all work cells, created best practice industrial engineering standards for Takt Time/Line Balancing and Manning Requirements (to be deployed globally through Signify, starting with Americas region), created break through Flex Yamazumi Standard (2min interval on the spot line balancing/work instructions), created ANDON Escalation system, created Daily Management Structure for San Marcos
- Manufacturing line setup and layout using Industrial Engineering and Lean Methodologies
- Lean Program: implementing cultural transformation via Kaizen Culture, Lean tools and methodologies
- Trainer for all Lean Foundation courses for both office and production level, Lean Advanced Trainer, Industrial Engineering Skills Trainer, Problem Solving Trainer (In-process).
- Certification of 148 Lean Foundations Trainees and 4 Lean Advanced Trainees
- Teach, coach and mentor all departments in the Lean Transformation process
- 2017 Senior Design Capstone (Industrial Engineering) Project Industry Advisor – Fabrication Kanban
- Supervise two Industrial Engineering Interns

Philips Lighting San Marcos, TX **October 2013 – May 2017**
Industrial Engineer

- Project Manager for the Lean Model Line. Focusing on End to End (E2E) Material Flow from Warehouse to Assembly and implementation of Lean best practices. Project will be implemented across the factory.
- Industry Advisor to the Texas State Industrial Engineer Senior Capstone Team, February – May 2015
- Creates and implements new processes for the site as needed to address gaps in operations
- Actively participates in New Product Introduction industrialization process
- Performs Ergonomic assessments for the site
- Created Time Study Approach to verify and modify engineering labor standards for Assembly routings, September 2014
- Team project to validate engineering standards through real time data collection, May – July 2014
- Played key role in Cost Roll to revise labor standards and assess impact to product cost, November 2013
- Created standard work and standard work flows for manufacturing lines
- Created tooling database tracking all Net Book Values and costs for re-tooling, October- December2013
- Leads and participates in Kaizen events

Ethicon Inc. (Johnson & Johnson) San Angelo, TX August 2010 - October 2013
Associate Process Excellence Engineer, August 2010 – February 2013
Process Excellence Engineer II, March 2012 – October 2013
This plant manufacturers sutures used in surgical procedures.

- Site Industrial Engineer, May 2012 – October 2013
- Plant Waste Champion: highlighted, analyzed and quantified project opportunities to reduce scrap and yield losses. Created Loss Analysis Process benchmarked by other Ethicon Sites.
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- Supervised and mentored one Co-op Industrial Engineer

Texas Tech University Lubbock, TX August 2008 - August 2010
Biomechanics Teaching Assistant and Lab Instructor

Burlington Northern Santa Fe Railway (BNSF) Summer months: 2008/2007/2006
Summer Intern, Ft. Worth, TX Headquarters

- **Industrial Engineering -Ergonomics Intern May 19, 2008 - August 11, 2008**

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Ethicon Focused Improvement Pillar Award 2011– Suture Knot Reduction Kaizen reducing raw material waste

LEADERSHIP ROLES AT TEXAS TECH

President, Society of Women Engineers, Texas Tech Chapter, 2006-2008
Undergraduate Vice President, Society of Manufacturing Engineers, 2006-2007

SCHOLARSHIP AND ACADEMIC AWARDS

William and Marge Brashear Scholarship 2003 (Texas Tech College of Engineering)
Texas Tech Athletics Red Raider Academic Excellence Award 2002
Big XII Conference Commissioner's Honor Roll 2002

EXTRA

Society of Women Engineers 2004-Present
Society of Manufacturing Engineers January 2015 - Present
Junior League of San Angelo 2012-2013
National Junior Tennis League Coordinator for Concho Valley Tennis Association 2012-2013
Board member for Concho Valley Tennis Association 2012-2013
Women's Leadership Initiative Member (Ethicon Sponsored) 2010-2013