

Career Summary

Skilled Business, information & operations management analyst with hands-on experience in analyzing, visualizing, and presenting data from different industries. Proficient in creating solutions to problems with improved decision-making processes. Passionate and experienced in the business and customer care service sector to bring innovative solutions as well as to improve US business sectors by educating the young generation with modern business techniques.

Summary Skills

Management: Project and Inventory Management (Sesdac.org, Amazon, Walmart), Leadership, Training & Development, 5S, Lean Management, Kanban, Kaizen (Cowboys Construction), Human Factors Analysis (Walmart), **Instructional design**, OSHA (Walmart vendor, Amazon safety projects)

Software: SQL, SAS, Python, R-programming, Advanced Microsoft Access

Statistics: ANOVA, linear and multivariate regression analysis, normal distribution, probability, statistics

Certification: Advanced Engineering (Operations, Inventory, and Supply chain Management), Six-Sigma & Agile (On process)

International Recognition: 5 Critical Problem-Solving Articles Published in Journals

Working Experience:

1. Amazon.com

**(Internship__Business and Supply Chain Division
(Fulfillment Center, Dallas, TX)**

April 2023-July2023

- Application of Lean tools to reduce material and process time wastage. (Product sorting, arrangement, and placing)
- To maintain the supply chain flow from inhouse to the customer's site (Stucco Material Management planning)
- Built a business model to track in-house inventory quantity and analyze data to forecast daily needs.(Cement)
- To make a business report through QuickBooks and pivot classifying for each customer with aging
- Material consumption and cost estimation (Insulation material and Rebar) after everyday meetings with the company chairman

2. University of South Dakota

(Graduate Teaching and Data

Analytics Research Assistant)

August2021-December2022

- Teaching Assistant of Dr. Tiaht, Dr. Subash Adhikari, Reed Muhler, and Dr. Greg Bertsch
- Course: Business Statistics, Accounting, Marketing, Operations Management, Business Sustainability, Human Resource Management
- Marketing and Customer Service Analyst (TruGreen)
- Human resource and health care Analyst (Sesdac.org)
- Created different business models for information system analysis of healthcare, logistics and operations industries by SAS, R programming(R_rattle), and solver table of advanced Microsoft Excel
- Created forecasting models by R-Programming(R_studio)
- Created database administrator query model to join tables and created function queries for supply chain

- tracking (A empirical assignment from Harvard University)
- Completed a project regarding data cleaning and analysis to show a correlation between graduate students' enrolment and undergraduate enrolment to forecast classroom accommodation.
- Created a point-based evaluation model of human factors and service improvement by questionnaire preparation via the "Survey Monkey" platform.
- Solved critical SAS/GRE math to help students to enroll in graduate programs.
- Created a business model for fuel marketing analysts to present their products based on specifications and efficiencies.
- Customer care analysis project: Analyzed Text data for text mining from social media comments and remarks and presented a categorical representation of whether the product possesses good functionality or not
- Created a point-based evaluation model to determine medication errors done by nurses and to improve healthcare non-profit-business policy.

3. Southeast University

(Lecturer and Researcher, Operations Management)

January 2012-June 2021

- Course Taken: Industrial Management, Marketing, and Customer Psychology, Business Statistics, Industrial Mathematics, planning and project management, Business Compliance
- MBA courses are taken in Business Operations, Economics, Costing, Engineering Management
- Human Resource Course Taken: Job Evaluation Modeling.
- Student Counseling, Mentoring
- Curriculum design instructor (Business Management courses)
- Math Teaching to K-12 students: Algebra-I, II, quadratic geometry, percentage and measurements, unitary method, world problem, data analysis, statistics, limit, and functions

4. Magnolia School (One to one Math Teacher)

May 2018- April 2020

- Taught critical math problems regarding Probability, Algebra-I, and II, quadratic geometry, general geometry, percentage and measurements, unitary method, world problem, data analysis, statistics, limits, and functions.
- Researched students' cognitive values and created critical math problems to evaluate students understanding.

5. Walmart Vendor Industries

(Project Manager, Textile Business)

August 2008-January 2012

- Line balancing in a particular process if we find product jamming/bottleneck (showing red alert in operation management information system software (Traffic signal method))
- Inventory Planning to count and supply products (Total calculation regarding in-house inventory, damaged and returned products, and in-line Quality failures)
- Coordinating with necessary cross-functional teams to solve issues in each process to process and material flows regarding fabric manufacturing, dyeing, finishing, and 4-point inspection process.
- Industrial Compliance and safety project plan installation

Education

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| 1) University of Texas at Dallas | Richardson, TX |
| Ph.D. in Economics | Fall 2023 |
| 2) University of South Dakota | Vermillion, SD |
| Master of Sciences in Business Analytics
(Major: Data analytics, Operations Management) | 2021-2022 |
| 3) University of Dhaka | Bangladesh |
| B.Sc. in Industrial Engineering & Management (Textile Business Technology) | 2004-2009 |

TRAINING PROGRAMS

1. "Higher Study and Scope of Scholarship" organized by the Department of Textile Engineering was held on 5 March 2018.
2. Participate in Lecture Series on "Ethics in Teaching and Research"
3. Participate in the Conference on "Enhancing Quality of Higher Education" on 22 September 2018.
4. Participate on the workshop "Outcome-Based Education" for the faculty members on 27 October 2018 organized by Institutional Quality Assurance Cell (IQAC)
5. Participate in training on "Outcome-Based Education (OBE)" for the faculty members of EEE, CSE and TE programs under the School of Science and Engineering (SSE) was held on 1 December 2018,

HONORS AND AWARDS

- Undergraduate Full Govt. Scholarship (University of Dhaka) **May 2004-July 2009**
- Best Teacher for Consecutive 13 semesters at Southeast University **Fall 2016-Spring 2020**
- Graduate Research Assistantship (University of South Dakota), **August 2021-December 2022**
- Patrick and Theresa Wingen/AaLadin Scholarship **Fall 2022**

PUBLICATIONS

- 1.** *Analysis of the Properties of Jute/Cotton blended fabric* (ISSN 1997-2571 (Web Version) ,J. Innov. Dev. Strategy12(1): 7-10 (December 2018)
- 2.** *An Empirical Study of Supply chain Management (SCM) in a knit composite Factory*- ISSN 2229-5518, International Journal of Scientific & Engineering Research, Volume 7, Issue 7, July 2016
- 3.** *Motivation by Financial Benefit in a Readymade garment Industry in Bangladesh*.ISSN- 1999-1630, SEU journal of Science and engineering, volume- 9,No-1-2, December 2015
- 4.** *Comparative Analysis of Weight Loss% of Different Fabrics (Lycra Pique, Rib, and Interlock Under Different Chemical Concentration*.*Global Journal of Research in Engineering: G-Industrial Engineering*, Online ISSN: 2249-4596 & Print ISSN: 0975-5861, Volume 16 Issue 1 Version 1.0 the Year 2016, Type: Double Blind Peer Reviewed International Research Journal, Publisher: Global Journals Inc. (USA)
- 5.** *Investigation on Comfort Properties of Conventional Cotton and Organic Cotton of KnittedFabric Structures*. *Manufacturing Science and Technology* 2(3): 62-66, 2014, Horizon Research Publishing Corporation

STUDENT COUNSELING & DEVELOPMENT WORK EXPERIENCE

(ADUST and Southeast University, 2010-2021)

1. Inter and Intra School Student Violence Monitoring Committee member (Examinationhallviolence)
2. Female Student Psychology Analysis from Comfort zone aspects
3. Committee member on Student violence by bullying
4. Teacher Student Association committee member and policy analyzer
5. Students drop out and economics stress relationship club mentor
6. Analysis of Cultural shock on students and alleviation of the risk factors
7. Teacher Target-Violence Risk factor analysis committee Member
8. Social relation risk factor and its impact on student mental health club mentor

CHILDHOOD DEVELOPMENT WORK EXPERIENCE

15 years study on the psychological development and learning process of 2 children born in 2006 (Dhaka, Bangladesh)

CURRICULUM & LEARNING TECHNIQUE-RELATED WORK EXPERIENCE

Southeast University (2013-2021)

1. Real Life Activities and Curriculum Synchronizing: industrial Math and Industrial Works Compatibility
2. Cluster-based group distribution
3. Varying Learning Environment and study materials
4. Self-Assessment and Class Engagement
5. Question Pattern Changing and Cognitive value studies
6. 30-minute Alternate Policy: Very Effective to reduce study load per day
7. Curriculum design for Engineering Studies
8. 5S Curriculum method design
9. Quasi Model Application and Impact Analysis

Leadership, Community & Volunteer activities

- Supervised 20-25 workers in Texeurop (BD) ltd **January 2016-June 2022**
 - Education Administrator **July 2010-June 2021**
 - Covid Test officer, Vermillion Community, South Dakota **September 2021-March 2022**
 - Human Counselling and a high level of communication
 - Substitute Math Tutor (Winfree Charter School, Dallas, TX) **January 2023 (Contract)**
 - **Front End Academic Trainer (Walmart)** **June 2023-July 2023**
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