

## SHAHEEN AHMED

### CONTACT INFORMATION

Assistant Professor <http://faculty.mnsu.edu/shaheenahmed>  
 Automotive and Manufacturing [www.theopeneducator.com](http://www.theopeneducator.com)  
 Engineering Technology <https://www.youtube.com/theopeneducator>  
 Minnesota State University <https://www.strava.com/athletes/shaheenahmed>  
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 Mankato, MN 56001 <http://scholar.google.com/citations?user=qnlBqQ8AAAAJ&hl=en>

### EDUCATION

**PhD** in Industrial and Systems Engineering 2013  
 Mississippi State University (MSU) USA  
 Dissertation: Human fatigue in prolonged mentally demanding work-tasks: An observational study in the field  
 Dissertation Chair: Kari Babski-Reeves, PhD, CPE

**MS** in Industrial and Systems Engineering 2010  
 Mississippi State University (MSU) USA  
 Thesis: Effect of backrest angle on operator discomfort  
 Thesis Chair: Kari Babski-Reeves, PhD, CPE

**MS** in Automotive Industrial Design Engineering 2008  
 Chalmers University of Technology (CTH) Sweden  
 Thesis: Quantifying the effects of seat back angle on user perceptions of seated discomfort in an automotive sitting  
 Thesis Supervisor: Kari Babski-Reeves, PhD, CPE  
 Thesis Chair/Examiner: Anna-Lisa Osvalder, PhD

**BS** in Mechanical Engineering 2004  
 Bangladesh University of Engineering and Technology (BUET)  
 Thesis: Design, construction and fabrication of an impact testing machine for plastic materials  
 Thesis Chair: Amalesh Chandra Mandal, PhD

### CERTIFICATION

Certified Professional Ergonomist, CPE 2017-Present  
 Certification Number:1932  
 Board of Certification in Professional Ergonomics: BCPE (<http://www.bcpe.org/>)

### EMPLOYMENT

Assistant Professor 2015-Present  
 Department of Automotive and Manufacturing Engineering Technology  
 Minnesota State University, Mankato, Minnesota

Assistant Professor 2013-2015  
 Tenure Track, Engineering Technology  
 Department of Computer Information Systems and Technology  
 The University of West Alabama, UWA

Research Assistant 2007-2013

Department of Industrial and Systems Engineering, Mississippi State University	
Instructor of Engineering Economy	2012
Department of Industrial and Systems Engineering, Mississippi State University	
Teaching Assistant	2009
Department of Industrial and Systems Engineering, Mississippi State University	
Instructor for Physics and Mathematics	1998-2005
Admission Coaching for Engineering Schools in Bangladesh	
<b>CREATOR OF THE OPEN EDUCATOR</b>	2017-Present

Over 300 video demonstrations on the difficult to learn topics/subjects. All Examples are created/written based on the current real-life industrial problems. Open to all over the world for free of cost. Videos are not monetized!

[www.TheOpenEducator.com](http://www.TheOpenEducator.com)

[www.YouTube.com/TheOpenEducator](http://www.YouTube.com/TheOpenEducator)

<b>CONSULTANCY (4)</b>	2017-Present
1. Training for Professional Engineers, Managers & Maintenance personnel Truck Bodies & Equipment International, Lake Crystal, Minnesota Topics: Fluid Power Length: Coming Soon Organizer: MSU Continuing and Professional Education <a href="https://www.mnsu.edu/continuinged/">https://www.mnsu.edu/continuinged/</a>	Spring 2019-
2. Trained Professional Engineers, Managers & Maintenance personnel Michael Foods, Gaylord, Minnesota Topics: Autonomous Maintenance Length: Ongoing Organizer: MSU Continuing and Professional Education <a href="https://www.mnsu.edu/continuinged/">https://www.mnsu.edu/continuinged/</a>	Fall 2018-Pre- sent
3. Trained Professional Engineers and Managers Condux International, Mankato, Minnesota Topics: Statistical Process Control, Control Charts, Acceptance Sampling, Regression Analysis, Response Surface Modeling, Design of Experiments, Tolerance, and Tolerance Stack-up Analysis. Length: Over 50 hours Organizer: MSU Continuing and Professional Education <a href="https://www.mnsu.edu/continuinged/">https://www.mnsu.edu/continuinged/</a>	Spring 2018
4. Provided Training/Workshop for the Instructors Minnesota State University, Mankato Topics: How to make all students participate actively and equally in the classroom? Length: 50 minutes Organizer: MSU Professional Day Workshop Committee	Fall 2017

<b>TEACHING &amp; LEARNING (25)</b>	1998-Present
<b>Design of Courses added to the UWA Catalogue from 2015-2016 (4)</b>	2014-2015
1. TY 300 – Fundamentals of Mechanical Engineering Technology. (3 credit)	2015
2. TY 453 – Statistical Quality Control (3 credit)	2015

3. TY 400 – Introduction to Human Factors and Ergonomics (3 credit)		2014
4. TY 101 – Introduction to Engineering Technology (3 credit)		2014
<b>Courses Taught (21) (More than 20 different subjects/topics)</b>	<b>Rating</b>	1998-Present
5. MET 654 – Design of Experiments, MSU	3.8/5	2016-Present
6. AET 334 – Fluid Power, MSU	3.8/5	2015-Present
7. MET 423/523 – Ergonomics & Work Measurement, MSU	3.8/5	2016-Present
8. MET 324 – Strength of Materials and Dynamics, MSU	4.0/5	2015-Present
9. MET 427/527 – Quality Management Systems, MSU	4.0/5	2014-Present
10. AET 677 – Individual Study, MSU (Offered a wide range of topics to meet the student’s individual needs)	N/A	2015-Present
11. MET 677 – Individual Study, MSU (Offered a wide range of topics to meet the student’s individual needs)	N/A	2014-Present
12. AET 661 – Automotive Experimental Research, MSU (taught by three instructors, including me)	N/A	2015-2016
13. MG 453 – Quality Management Systems, UWA	4.0/5	2013-2015
14. TY 407 – Independent Study in Technology, UWA	N/A	2014-2015
15. BQ 371 – Business Analytics, UWA	3.6/4	2013-2015
16. MG 322 – Manufacturing Process Management, UWA	3.4/4	2013-2015
17. TY 210 – TPM and Mechanical Systems, UWA	3.4/4	2013-2015
18. MG 455 – Safety Risk Management, UWA	3.2/4	2014-2015
19. TY 230 – Blue Print Reading and Drafting, UWA	3.0/4	2015
20. MG 351 – Managing Occupational Safety and Health, UWA	3.4/5	2015
21. BQ 271 – Business Statistics, UWA	N/A	2014
22. TY 240 – Fluid Power, UWA	3.5/4	2014
23. AU 201 – Fundamentals of Automotive Technology, UWA	3.4/4	2013
24. IE 3913 – Engineering Economy I, Mississippi State University	3.9/5	2012
25. Physics, Inorganic Chemistry, and Mathematics at 11-12 Grade Level, especially in engineering admission coaching after the board exam upon completion of the 12th grade in Bangladesh	N/A	1998-2005

**PUBLICATIONS (31)** 2008-Present

**Featured Article on my Teaching philosophy and method (1)** 2016

- Ahmed’s** philosophy and theory of Teaching. Case Study: The human factors of teaching, by David Brandt, *Institute of Industrial and Systems Engineers Society official magazine*, 48, (8).

<http://faculty.mnsu.edu/shaheenahmed/theory-of-teaching/>

<http://faculty.mnsu.edu/shaheenahmed/teaching-philosophy/>

**Refereed Journal Articles (2)** 2013-Present

2. **Ahmed, S.**, Babski-Reeves, K., DuBien, J., Webb, H., & Strawderman, L. (2016). Fatigue differences between Asian and Western populations in prolonged mentally demanding work-tasks. *International Journal of Industrial Ergonomics*, 54, 103-112. 2016
  3. Huang, Y., Strawderman, L., Babski-Reeves, K., **Ahmed, S.**, & Salehi, A. (2013). Training Effectiveness and Trainee Performance in a Voluntary Training Program: Are Trainees Really Motivated? *Nonprofit and Voluntary Sector Quarterly*. 2013
- Refereed Conference Proceedings (7)** 2008-Present
4. **Ahmed, S.**, (2017). Theory of Sustained Optimal Challenge in Teaching and Learning. *Proceedings of the 2017 International Annual meeting of Human Factors and Ergonomics Society*, Austin, TX, USA, October 9-13. 2017
  5. **Ahmed, S.**, Babski-Reeves, K., and DuBien, J., and Webb, H. (2014). A Proposed Relationship between Time and Load to Quantify Fatigue. *Proceedings of the 2014 International Annual meeting of Human Factors and Ergonomics Society*, Chicago, IL, USA, October 27-31. 2014
  6. **Ahmed, S.** and Babski-Reeves, K. (2012). Assessment of Upper Extremity Postures in Novice and Expert during Simulated Carpentry Tasks. *Proceedings of the Human Factors and Ergonomics Society, 56<sup>th</sup> Annual Meeting*, Boston, MA, USA, October 22-26. 2012
  7. **Ahmed, S.** and Babski-Reeves, K. (2011). Making Life Meaningful: Designing Workstations for Physically and Cognitively Impaired Adults. *Proceedings of the Human Factors and Ergonomics Society, 55<sup>th</sup> Annual Meeting*. Las Vegas, NV, USA, September 19-23. 2011
  8. **Ahmed, S.** and Babski-Reeves, K. (2009). Analysis of Subjective Body Discomfort Ratings during Simulated Prolonged Driving Tasks: What Measures are most Effective? *Proceedings of the Human Factors and Ergonomics Society, 53<sup>rd</sup> Annual Meeting*. San Antonio, TX, USA, Oct. 19-23. 2009
  9. Salehi, A., Huang, Y., Strawderman, L. Babski-Reeves, K. and **Ahmed, S.** (2009). Effectiveness of Three Training Delivery Methods in a Voluntary Program. *Proceedings of the Human Factors and Ergonomics Society, 53<sup>rd</sup> Annual Meeting*. San Antonio, TX, USA, October 19-23. 2009
  10. **Ahmed, S.**, Strawderman, L. and Babski-Reeves, K. (2008). Evaluation of a Conceptual Warning System for Mobile Phone Use While Driving to Increase Public Awareness. *Proceedings of the Human Factors and Ergonomics Society, 52<sup>nd</sup> Annual Meeting*, New York, NY, USA, September 22-26. 2008
- Refereed Conference Posters / Abstracts (13)** 2009-Present
11. Welscher, D., Stutsman, L., Buchman, S. & **Ahmed, S.** (2019) Tire Shop Ergonomics. *22th Annual Applied Ergonomics Conference* in New Orleans, Louisiana, March 25-28. 2019
  12. Sanchez, G., G., Nielsen, C., Bartho, R., White, S., & **Ahmed, S.** (2019) Evaluation and Redesign of the Glue Spraying Process for Boat Manufacturing. *22th Annual Applied Ergonomics Conference* in New Orleans, Louisiana, March 25-28. 2019

13. Hee Jin, S. & **Ahmed, S.** (2018) Anthropometric Evaluation of the Formula SAE Car: A pilot study. *21th Annual Applied Ergonomics Conference* in Atlanta, Georgia, March 26-29. 2018
14. Antolak, J. Paulson, P, & **Ahmed, S.** (2018) Ski/Snowboard Tech Shop Ergonomics. *21th Annual Applied Ergonomics Conference* in Atlanta, Georgia, March 26-29. 2018
15. Ryan, M., Caffin, B., Goettl, C., & **Ahmed, S.** (2018) Ergonomics vs Traditional Squat Bar: A pilot study. *21th Annual Applied Ergonomics Conference* in Atlanta, Georgia, March 26-29. 2018
16. **Ahmed, S.** (2014) The Ergonomic Teaching and Learning Application of Human Factors & Ergonomics in Effective Class Room Teaching. *17th Annual Applied Ergonomics Conference* in Orlando, Florida, March 24-27. 2014
17. **Ahmed, S.** & Babski-Reeves, K. (2014) A Pilot Study on Human Fatigue: Induced by Prolonged Mentally Demanding Work-Tasks. *17th Annual Applied Ergonomics Conference* in Orlando, Florida, March 24-27. 2014
18. Cobb, D., Gokaraju, B. and **Ahmed, S.** (2014) Using GIS for Recruiting in Higher Education. *2014 Annual Conference of The Association of Technology, Management, and Applied Engineering.*, St. Louis, Missouri, November 19-22. 2014
19. **Ahmed, S.**, Nash, K., Babski-Reeves, K. and Strawderman, L. (2011). Content Design and Presentation for University Websites. *MSU Human Factors Working Group*, MS, USA, April 13. 2011
20. **Ahmed, S.** and Babski-Reeves, K. (2009). Effects of automotive seating foam and perceived buttock discomfort ratings. *Proceedings of the Industrial Engineering Research Conference*. Miami, FL, May 30-June 3. 2009
21. **Ahmed, S.** Babski-Reeves, K. and Mendoza, P. A. (2009). Communication User Interfaces for Long Haul truck Drivers: Design Implications. *Proceedings of the Industrial Engineering Research Conference*. Miami, FL, USA, May 30-June 3. 2009
22. **Ahmed, S.**, Strawderman, L., Babski-Reeves, K., Haung, Y. and Salehi, A. (2009). Evaluating Training Effectiveness of the National Highway Watch<sup>®</sup> Program. *Transportation Workshop at Mississippi State University, Mississippi State*, MS, USA , February 6, 2009. 2009
23. Patnaik, S., **Ahmed, S.**, Littlejohn, R., Blackledge, C., Carruth, D., Babski-Reeves, K., Tarapore, A., Close, D. and Nash, K.(2009). Comparison of Postural Analysis Techniques: Application of Ergonomic Tools with a Law Enforcement Perspective. *Proceedings of the Industrial Engineering Research Conference*. Miami, FL, USA, May 30-June 3. 2009
- Invited and Campus Talk (8)** 2013-Present
24. **Ahmed, S.** (2017). Bring all your students in the same page before meeting them in the classroom. *Minnesota State University, Mankato, MN 56001*. 2017
25. **Ahmed, S.** (2016). Resume Writing Tips, AMET students, *Minnesota State University, Mankato, MN 56001*. 2016
26. **Ahmed, S.** (2015). Philosophy of Teaching, *Minnesota State University, Mankato, MN 56001*. 2015

27. **Ahmed. S.** (2015). Human Fatigue in Prolonged Mentally Demanding Work-tasks, *Minnesota State University, Mankato, MN 56001.* 2015
  28. **Ahmed. S. & Cobb, D.** (2015). Using GIS for Recruiting and Retention, Co-presenter at the Grand Design Luncheon, *University of West Alabama, Livingston, AL 34570.* 2015
  29. **Ahmed. S.** (2015). What is Engineering Technology? Presented to the Business Learning Community in Gilbert Hall, *University of West Alabama, Livingston, AL 34570.* 2015
  30. **Ahmed. S.** (2014) Teaching Philosophy of Shaheen Ahmed, Presented at the Grand Design Luncheon, *University of West Alabama, Livingston, AL 34570.* 2014
  31. **Ahmed. S.** (2013). Human Fatigue in Prolonged Mentally Demanding Work-tasks, *University of West Alabama, Livingston, AL 34570.* 2013
- CONTINUING PREPARATION AND STUDY (57)** 2008-Present
- Active Participations in Professional Meetings (15)** 2008-Present
1. 22th Annual Applied Ergonomics Conference in New Orleans, Louisiana, March 25-28. Presenting two posters with four undergraduate students as co-authors 2019
  2. 21th Annual Applied Ergonomics Conference in Atlanta, Georgia, March 26-29. Presented three posters with six students as co-authors 2018
  3. 2017 International Annual Meeting of Human Factors and Ergonomics Society (HFES), Austin, TX. Presented my Theory of Teaching and Learning. 2017
  4. Performance Racing Industry (PRI) Show/Conference. Take students to the PRI show to explore more options for student's design of their racing car (FSAE, MSU, Mankato) for the competition in May, 2016. December 9<sup>th</sup> -12<sup>th</sup>, 2015, Indiana Convention Center, Indianapolis, IN. 2015
  5. 2015 Alabama Automotive Manufacturers Association (AAMA) bi-annual matchmaking events, Renaissance Montgomery Hotel & Convention Center, 201 Tallapoosa Dr. Montgomery, AL 36104. April 14-15. Represented the automotive programs at the University of West Alabama, as well as created partnerships with both government agencies and industries. 2015
  6. 2014 International Annual Meeting of Human Factors and Ergonomics Society (HFES), Chicago, IL. Article presentation, chairing a sessions, co-chair two sessions, and mentoring a PhD candidate. 2014
  7. 17<sup>th</sup> Annual Applied Ergonomics Conference, Orlando, FL. Two Posters Presentation, Round-Table Speaker, and Session Chair. 2014
  8. Annual Conference of the Association of Technology, Management, and Applied Engineering (ATMAE), New Orleans, Louisiana. Trained to become an evaluator of ATMAE accreditation board. 2013
  9. 56<sup>th</sup> Annual Conference of Human Factors and Ergonomics society, Boston, MA. Session Co-Chair, and Presented a Refereed article. 2012
  10. 55<sup>th</sup> Annual Conference of Human Factors and Ergonomics society, Las Vegas, NV. Presented a Refereed article. 2011
  11. Human Factors Working Group, Mississippi State University, USA Presented a poster. 2011

12. 53<sup>rd</sup> Annual Conference of Human Factors and Ergonomics society, San Antonio, TX. Presented a Refereed Article, and Volunteer as a tour guide to a local shoe industry. 2009
13. Institute of Industrial Engineering Research Conference, Miami, FL Presented A Refereed Article, and Two Posters/Abstracts. 2009
14. Transportation Workshop at Mississippi State University, Mississippi State, MS. Presented a poster. 2009
15. 52<sup>nd</sup> Annual Meeting of Human Factors and Ergonomics society, New York, NY. Presented a Refereed Article. 2008
- Certifications & Trainings on Teaching & Learning (11)** 2011-Present
16. Certified by Quality Matters, Specialized for online teaching and learning. <https://www.qualitymatters.org/> 2017
17. Program-Level Assessment, Center for Excellence in Teaching and Learning (CETL) – Minnesota State University, Mankato 2016-2017
18. Flipped Instruction Classroom Model, Center for Excellence in Teaching and Learning (CETL) – Minnesota State University, Mankato 2016-2017
19. Shadow Dr. Evers’s AET 364 to learn his teaching methods, techniques, and tips. Minnesota State University, Mankato 2017
20. Team-Based Learning, Center for Excellence in Teaching and Learning (CETL) – Minnesota State University, Mankato 2015-2016
21. Assessment of Student Learning, Center for Excellence in Teaching and Learning (CETL) – Minnesota State University, Mankato 2015-2016
22. Students Consulting On Teaching (SCOT) Program Evaluation on MET 427/527 Quality Management Systems – Minnesota State University, Mankato 2016
23. Students Consulting On Teaching (SCOT) Program Evaluation on MET 324 Strength of Materials and Dynamics – Minnesota State University, Mankato 2016
24. Shadow Dr. Evers’s AET 160 to learn his teaching methods, techniques, and tips. Minnesota State University, Mankato 2016
25. Feedback on the Course Design and Materials from Industry Advisory Board Member and Chair, Recarda Schmitz, Engineering Manager at Coloplast. Currently at 3M. 2015
26. Certified by the “Preparing Future Faculty” at Mississippi State University. Details on the program can be found at <https://www.ctl.msstate.edu/programsandservices/preparingfuturefaculty/> 2011-2012
- Trainings and Certifications on General Professional Growth (14)** 2015-Present
27. Certified Professional Ergonomist by the Board of Certification in Professional Ergonomics: BCPE (<http://www.bcpe.org/>) 2017-Present
28. Training (2017 & 2018) on question writing for the certification exams administered by the Board of Certification in Professional Ergonomics: BCPE 2017-Present
29. Through the Eyes of the IRB Workshop, MSU, Mankato 2018
30. Through the Eyes of the IRB Workshop, MSU, Mankato 2017

31. Gamification for Teaching and Learning Workshop, MSU, Mankato	2017
32. Alternatives to D2L Brightspace for Teaching and Learning Workshop, MSU, Mankato	2017
33. Website Development Training Workshops, MSU, Mankato	2017-2018
34. Anti-Bullying Training Workshops, MSU, Mankato	2016
35. Campus Security Authority Training, MSU, Mankato	2016
36. Civility and Respect in the Workplace Workshop, MSU, Mankato	2015
37. Faculty Research Grant Workshop, MSU, Mankato	2015
38. All promotion and tenure workshops , MSU, Mankato	2015-Present
39. Certified Competent Communicator Toastmasters International, Rancho Santa Margarita, CA	2014-Present
40. Complete over 20 workshops and one-to-one meetings to explore the academia as a part of the Future Faculty Program at Mississippi State University. Details on the program can be found at <a href="https://www.ctl.msstate.edu/programsandservices/preparingfuturefaculty/">https://www.ctl.msstate.edu/programsandservices/preparingfuturefaculty/</a>	2011-2012
<b>Suggested/Required Training for AMET faculty at MSU (17 topics per year)</b>	2015-Present
41. Using Ladders Safely, MSU, Mankato	2015-Present
42. Hexavalent Chromium Employee Training, MSU, Mankato	2015-Present
43. Respiratory Protection: Your Guide to Clean Breathing, MSU, Mankato	2015-Present
44. Confined Space Entry: A Deadly Situation, MSU, Mankato	2015-Present
45. Conflict Resolution in the Office, MSU, Mankato	2015-Present
46. Hearing Protection and You, MSU, Mankato	2015-Present
47. Ergonomics: Industrial Ergonomics, MSU, Mankato	2015-Present
48. Preventing Slips, Trips and Falls, MSU, Mankato	2015-Present
49. Lockout/Tagout: Affected Employees, MSU, Mankato	2015-Present
50. Hazard Communication: Your Key to GHS Chemical Safety, MSU, Mankato	2015-Present
51. Welding Safety, MSU, Mankato	2015-Present
52. Laboratory Safety: Orientation to Laboratory Safety, MSU, Mankato	2015-Present
53. Compressed Gas Cylinders, MSU, Mankato	2015-Present
54. Hand and Power Tool Safety, MSU, Mankato	2015-Present
55. Winter Walking: Staying On Your Feet, MSU, Mankato	2015-Present
56. Back Safety: Powerlift: Lifting Training That Works, MSU, Mankato	2015-Present
57. Machine Guard Safety, MSU, Mankato	2015-Present
58. Most of the above trainings were completed each academic, MSU, Mankato	2015-Present
<b>STUDENT GROWTH AND DEVELOPMENT</b>	2007-Present
<b>Creating strong connections with students (23)</b>	2007-Present



1. Hee Jin Soh at Hyundai Motors, Korea, working as a vehicle design engineer related to her URC grant research at MSU under my supervision 2018-Present
2. My graduate student, Venkata Aditya Spripathi, currently at Ford Motor Company in Michigan, working as a Computational Fluid Dynamics (CFD) Engineer on Vehicle Aerodynamics. His work at Ford is an extension of the project he performed for the Design of Experiments Course (MET 654) under my supervision. 2017-Present
3. Students are applying and getting URC grants under my supervision 2017-Present
4. Students are submitting, getting accepted, and presenting their works in national conferences under my supervision 2017-Present
5. Students are submitting, getting accepted, and presenting their works in regional conferences under my supervision 2017-Present
6. Training both undergraduate and graduate students to conduct human subject research studies. As a part of the process, they become a certified human subject researcher and complete the IRB application to get approval. One undergraduate and one graduate students got IRB certified and got the IRB applications approved for their research 2016-Present
7. Serving as a committee member in Theses (five completed) 2015-Present
8. Serving as a chair in Alternative Papers (APP) (three completed) 2015-Present
9. Serving as a committee member in Alternative Paper (APP) (seven completed) 2015-Present
10. Offered individual studies to meet the special needs from students. (Eight or more individual studies completed) 2015-Present
11. Serving in Science, Engineering and Technology Learning Community, CSET, Minnesota State University, Mankato 2018-Present
12. Regularly attending meetings of the Society of Automotive Engineers Students Chapter at MSU, Mankato 2015-Present
13. Regularly attending meetings of the Society of Manufacturing Engineers Students Chapter, MSU, Mankato 2015-Present
14. Student's soft skill development, including providing resume/CV writing tips. Created six video demonstrations found at <http://www.theopeneducator.com/training/soft-skills> 2017-Present
15. Supervise and Guide the students from the Automotive Engineering Technology (AET) program in their senior design projects, especially in driver's cockpit and chassis design of the Formula Society of Automotive Engineers (SAE) competition cars. 2015-Present
16. Under my supervision, the AET senior design students fabricate the flexible cockpit to design the driver space of the Formula Society of Automotive Engineers (SAE) competition car. Students use the flexible cockpit each year to start the design processes. 2015-Present
17. Bring Guest Lecturers to my courses from the Industries 2012-Present
18. MSU students ranked 17 in the world in 2016 by getting significantly more points utilizing the flexible cockpit and ergonomic design principles supervised by me. 2016

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| 19. Faculty Advisor, the STEM Learning Community, UWA  | 2014-2015           |
| 20. Faculty Advisor, the Business Learning Community, UWA  | 2014-2015           |
| 21. Mentored a PhD candidate, HFES International Meeting, Chicago, IL  | 2014                |
| 22. Tour Guide to Human Factors and Ergonomics Laboratory, Mississippi State University  | 2007-2013           |
| 23. Trained numerous undergraduate and graduate students to run experiments in the Ergonomics Laboratory, Mississippi State University   | 2007-2013           |
| <b>SERVICES TO MSU, MY PROFESSION AND BEYOND (46)</b>  | <b>2013-Present</b> |
| <b>Committee Services and Understanding the Academia (25)</b>  |                     |
| 1. University Assessment and Evaluation Committee, MSU, Mankato  | 2018-Present        |
| 2. GECIC Chair, University Common Curriculum Assessments, Goal Area 3: Natural Science. MSU, Mankato   | 2017-2018           |
| <ul style="list-style-type: none"> <li>• Lead the analysis and report writing</li> </ul>   |                     |
| 3. University Common Curriculum committee (formerly known as General Education and Diversity) MSU, Mankato   | 2016-2018           |
| <ul style="list-style-type: none"> <li>• Reviewed over <b>139 Course proposals in the general education and diversity area</b> submitted for review between 2016 and 2018</li> <li>• Reviewed uncountable number of students appeals (more than 100)</li> <li>• Reviewed and modified the general education assessments</li> </ul> |                     |
| 4. University Writing Advisory Committee (WAC), MSU, Mankato   | 2017-2018           |
| <ul style="list-style-type: none"> <li>• Review and made recommendations 15 proposals</li> <li>• Developed/modified the writing-intensive review process</li> <li>• Reviewed and provided feedback on the 2016-17 strategic plan</li> <li>• WAC program assessment</li> </ul>  |                     |
| 5. Redesigning and Developing department website, as well as the website for Minnesota Center for Automotive Research, MSU, Mankato  | 2015-Present        |
| 6. Department Personnel Committee, MSU, Mankato (Reviewed two promotion and tenure applications)   | 2015-Present        |
| 7. ABET Accreditation Committee, AMET, MSU, Mankato  | 2018-2019           |
| 8. AMET Faculty Search Committee, MSU, Mankato   | 2017-2018           |
| 9. AMET Faculty Search Committee, MSU, Mankato   | 2016-2017           |
| 10. Attending all graduation convocation ceremonies  | 2015-Present        |
| 11. Attending all Industrial Advisory Board Meetings   | 2015-Present        |
| 12. Helping in all registration and orientation events   | 2015-Present        |
| 13. Helping in registration and orientation events in summer vacation  | 2015-Present        |
| 14. Prospective student tours (3-5 per semester), MSU, Mankato   | 2015-Present        |
| 15. Chair of the Faculty Hiring Committee in the College of Business for the position of Tenure-track position in Statistics and Quantitative Analysis. UWA  | 2015                |

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| 16. Chair of Continuous Improvement of the Operating Principles of the College of Business, UWA to execute an accreditation requirement by the Accreditation Council for Business Schools and Programs, ACBSP. Similar to ABET Continuous Quality Improvement, and ISO Continual Improvement. | 2014-2015    |
| 17. Team Member, Accreditation Committee, College of Business, UWA  | 2014-2015    |
| 18. Leading team member, collaboration with local industries to create state-of-the-art programs as per the requirements, UWA   | 2014-2015    |
| 19. University Research Committee, UWA  | 2013         |
| 20. College of Business Research Committee, UWA   | 2013-2015    |
| 21. Leading team member, Development of Auto-Technician Training Program collaboration between Mercedes-Benz and the UWA  | 2013-2015    |
| 22. Team member, establishing a laboratory for the Auto-Technician Training Program at the UWA  | 2013-2015    |
| 23. Team member, student recruitment, UWA   | 2013-2015    |
| 24. Industrial tour for the students in automotive program Mercedes-Benz U.S. International, Inc., Vance, Alabama   | 2013         |
| 25. Industrial tour for the students in automotive program Hyundai Motor Manufacturing Alabama, Montgomery, Alabama   | 2013         |
| <b>Service to my Profession: Accreditation Evaluator, Reviewer, &amp; Editor (10)</b>   | 2013-Present |
| 26. Actively serving in the Board of Certification in Professional Ergonomics, BCPE. <a href="http://www.bcpe.org/">http://www.bcpe.org/</a> Currently, write questions for the CPE certification exams.  | 2017-Present |
| 27. Editorial board member in the International Journal of Mechatronics and Automotive Research (IJMAR).  | 2017-Present |
| 28. Manuscript Review: International Journal of Industrial Ergonomics.  | 2016-Present |
| 29. Manuscript Reviewer: WORK: A Journal of Prevention, Assessment, and Rehabilitation.   | 2016-Present |
| 30. Manuscript Reviewer: Sleep Health: Journal of the National Sleep Foundation.  | 2008-Present |
| 31. Manuscript Reviewer: Society of Automotive Engineers, SAE   | 2012-Present |
| 32. Manuscript Reviewer: Journal of Advances in Mechanical Engineering  | 2013-Present |
| 33. Book Reviewer: Human Factors and Ergonomics for Taylor and Francis Publisher  | 2015-Present |
| 34. Accreditation Evaluator for Association of Technology, Management, and Applied Engineering (ATME)   | 2013-Present |
| 35. Manuscript Review, Proceedings of Human Factors and Ergonomics Society Annual Meetings.   | 2008-Present |
| <b>Service to the Community: Community Involvement and Outreach (11)</b>  | 2018         |
| 36. Improving bicycle experience for MSU community, Mankato   | 2018-Present |

37. Science fair judge for High school students, MSU, Mankato	2018-Present
38. Science fair judge for Elementary school students, MSU, Mankato	2018-Present
39. MS150 Ride: 150 miles bike ride from Duluth, MN to Twin cities, MN to raise fund for MS research and patients. Fund Raised: over \$350	2018
40. Presented in Engineering and Academic Days, MSU, Mankato	2017
41. Paper Reviewer to Science Fair, MSU, Mankato	2017
42. MS150 Ride: 150 miles bike ride from Duluth, MN to Twin cities, MN to raise fund for MS research and patients. Fund Raised: over \$350	2017
43. MS150 Ride: 150 miles bike ride from Duluth, MN to Twin cities, MN to raise fund for MS research and patients. Fund Raised: over \$350	2016
44. What is Engineering and Technology? How do engineers design products and services? Middle school students, Demopolis, AL	2013
45. Judge in the Vintage Car show at UWA in Homecoming 2013	2013
46. Science fair judge for K-5 students, Outreach program, Mississippi State Univ.	2012
<b>COMMUNICATION, ORGANIZATION, LEADERSHIP &amp; MANAGEMENT (7)</b>	2006-Present
1. President, American Production and Inventory Control Society (APICS) Southern Minnesota Student Chapter	2018-Present
2. Faculty Advisor, Bangladesh Student Organization, MSU, Mankato	2016-Present
3. Team Leader, International Fiesta to represent Bangladesh, its food and culture, Mississippi State University	2011
4. President, Bangladesh Association, Mississippi State University. (Revive the association from 10 years of hibernation)	2008-2010
5. Team leader, Organization of the Bangladesh Night, Mississippi State Univ.	2009
6. President, Association of Bangladeshi Students, Chalmers University of Technology, Sweden	2006
7. Team Leader, Organization of the Bengali Happy New Year, Chalmers University of Technology, Sweden	2006
<b>AWARDS, HONORS, GRANTS, &amp; SCHOLARSHIPS (8)</b>	2008-2019
1. \$4000 awarded for each Grant Writing Competition Winner, UWA	2014
2. \$1000 Professional Development Grant, UWA	2014
3. Best Evaluator, UWA Toastmaster Club, Livingston, AL	2013-2014
4. Best Speaker, UWA Toastmaster Club, Livingston, AL	2013-2014
5. Finalist for the Best Teaching Assistant of the Year, Mississippi State Univ.	2013
6. Travel Assistance Grants for Graduate Students (TAGGS), Mississippi State University.	2012
7. Inducted to Alpha, Pi, Mu Honor Society at Mississippi State Univ.	2009
8. Board and Technical Scholarship, Bangladesh University of Engineering and Technology [in each year between 1998 and 2003]	1998-2003

<b>PROFESSIONAL MEMBERSHIPS (6)</b>	2008-Present
1. Human Factors and Ergonomics Society, HFES	
2. Society of Automotive Engineers, SAE	2008-Present
3. Institute of Industrial Engineers, IIE	2009-Present
4. Design and Emotion Society	2009-Present
5. Association of Technology, Management, and Applied Engineering, ATME	2013-Present
6. Higher Education Partnership, HEP, Advocates of Alabama's Public Univ.	2013-2015
<b>SOFTWARE, HARDWARE, TOOLS, METHODS, &amp; PROGRAMMING SKILLS (6)</b>	2000-Present
1. Human Factors and Ergonomics: Numerous Tools and Methods, including 3D Motion Capture, EMG Systems, Pressure Map, and Modeling. Measurements of Changes in Endocrine, cardiovascular and musculoskeletal systems. A comprehensive list for Ergonomics Tools and Methods: <a href="http://www.theopeneducator.com/courses/ergonomics/list-of-tools-and-methods-in-ergonomics">http://www.theopeneducator.com/courses/ergonomics/list-of-tools-and-methods-in-ergonomics</a>	2008-Present
2. Statistics: SAS, SPSS, Minitab, and MS Excel.	2010-Present
3. Human Modeling: AnyBody Modeling System.	2010-2016
4. Data Visualization: Advanced Visual Systems (AVS/Express).	2012-2014
5. Mechanical & Industrial Engineering: ALLIAS, RTT, CATIA, AutoCAD, Pro/ENGINEER, ProModel	2000-2009
6. Program Language: C.	2000-2009