

Dr. Asim Zaheer

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Personal Details

Gender : Male
Nationality : Pakistani

Career Objective

To instruct, motivate, and mentor future professionals in the field of Mechanical and Industrial & Manufacturing Engineering.

Career & Experience

- **April 2007 till date serving as an Assistant Professor in in Industrial & Manufacturing Department at NED University Of Engineering and Technology.**
- **October 2005 –October 2006, As a Quality Assurance manager at Super Tech Auto Parts (O.E.M), Karachi, Pakistan.**
- **August 2004 – July 2005, As a Quality Engineer at Derby Cellular Products Derby Connecticut, USA.**
- **April 2000 – April 2002, As an assistant factory manager at Pakistan Rice Complex Karachi, Pakistan.**

Qualification

- **October 2012 to January 2018**

PhD in Mechanical Engineering from University of Sheffield, Sheffield, UK. Expertise in the field of Ergonomics or Human Factors Engineering.

- **May-2002 to July-2004**

Master's in Engineering Management (MEM) from Wichita State University, Wichita, Kansas, U.S.A. CGPA 3.00(80/100) On American Scale.

- **January-1995 to january-2000**

Bachelors in Mechanical Engineering (B.E.) from N.E.D University of Engineering & Technology, Karachi, Pakistan.(GPA:68/100).

Research and Industrial Projects

Academic Research Project:

Worked as Design Engineer with Pakistan Navy designing the underwater vehicle for observation and mine neutralization. Designing included: Estimation of payload of hull,

payload and volume of body of propeller, calculation of longitudinal and Vertical propulsion. Determination of buoyancy, calculation of center of gravity and center of buoyancy.

Developing of cost analysis reports, methods and procedures. Performing time studies to develop a standard. Data collecting to develop reports and models for making accurate decisions. Facilities update using AutoCAD. Developing flowchart processes. Training and supervising temporary employees in handling day-to-day operations.

Research Interest:

Human factors engineering or Ergonomics. Ergonomics assessment methods.

Line Balancing; Aggregate Planning, Lean Manufacturing, production Management, Flexible Manufacturing system, Human factors engineering and Work study.

Worked on “Line Balancing Issues in Auto Parts Manufacturing Industries.” Research based on (O.E.M) Company, **Super Tech Auto Parts Pvt (Ltd)**

Teaching and Trainings

Graduate courses

- **Organizational Systems (Fall 2017& spring 2018)**
- **Agile and Lean Manufacturing (Spring& Fall 2009)**
- **Production Management and Quality Assurance (Spring 2010)**

Under Graduate Courses

- **Industrial Safety & Environment**
- **Health, Safety & Environment**
- **Quality Management system**
- **Industrial Quality Control and Quality Assurance**
- **Ergonomics (Human factors engineering)**
- **Operation Research**
- **Methods Engineering**
- **Statistics for Engineers**
- **CAD/CAM**
- **Reliability Engineering**

Trainings Conducted

- **Occupational Health and Safety (Fall 2011, at NEDUET)**
- **Manual Material Handling and Back Safety Training (Summer 2012, at NEDUET)**

Publications

1. **Zaheer, A., A. Yoxall, and J. Rowson, Task Assessment Tool for Ease and Risk (TAER): A Self-Assessment Tool Develop to Evaluate the Risk Associated with the Performance of Tasks in**

- Domestic Environment. *Design for Health*, 2017. 1 (2). (Submitted)
2. Zaheer, A., A. Yoxall, and J. Rowson, Experimental trials and Predictive Validity of Task Assessment Tool for Ease and Risk (TAER). *Design for Health*, 2017. 1(2). (Submitted)
 3. Zaheer, A., A. Yoxall, and J. Rowson, Evaluation of Ergonomics Risk Factors and Physical Strain Within Home Environment. *Design for Health*, 2017. 1(2). (Submitted)
 4. Zaheer, A., M. Carre, A. Yoxall, and J. Rowson. Evaluation of adopted postures and the hardest part of the domestic laundry task. in *Design4health*. 2015. Sheffield, UK: Proceedings of the Third European Conference on Design4Health 2015.
 5. Zaheer, A., Carre, M., J., Rowson, J., 2014. Survey Based Study on Domestic Laundry Task. Sheffield: The University of Sheffield.
 6. Zaheer, A. and R. Khalid, Ergonomics: A Work Place Realities in Pakistan. *International Poster Journal of Science & Technology* 2012. 2(1): p. 1-11.
 7. Shaheen Perween, Asim Zaheer, Dr. Rameez Khalid "Classification and Balancing of an Automotive Assembly Line", *International Asia Conference on Industrial Engineering and Management Innovation (IEMI2012) Proceedings*, Oct 27, 2012, Changsha, China.

Languages

- English
- Urdu

Memberships and Affiliations

- Pakistan Engineering Council (PEC).
- Pakistan Institute of Quality Control(PIQC)