

## OMAR SHUBAILAT

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### SUMMARY

**Main focus is to meet university vision and mission through student mentoring; participating in university faculty supporting activities and duties; teaching and research** with extensive leadership and management hands-on experience through broad spectrum of jobs and entrepreneur ventures. I believe in enabling students and helping them to spread their wings. I was lucky to be selected by GJU Deans Council to be part of a team aiming to develop a nationwide business entrepreneur curriculum with four other state universities; we have finished the pilot course with the developed curriculum during Fall semester of 2015-16. Serving as a dean of student affairs March 2016- March 2018, helped me to strategize capacity building in students to become entrepreneur and helped connecting them with top entrepreneurs worldwide through a network of mentors and investors.

- Dean of Student Affairs
- Professor & Exchange Coordinator at GJU
- Ph.D., MBA & M.Sc. Industrial Eng. & Mgt.
- Six Sigma Green Belt, ISO, continuous improvement
- Director of Consultation & Training Center
- Entrepreneurship curriculum development Nationwide
- Instituting Leadership Program & Team Building
- Quality Manager for top automotive industry Corporations

### EDUCATION

**Ph.D.** Industrial Engineering/ Computational Engineering, Mississippi State University, Starkville, MS-2013  
**MBA** concentration in leadership, **Aurora** University, Chicago, IL- 2008  
**MSc.** Industrial Engineering and Manufacturing/Quality, **Wayne State** University, Detroit, MI-2002  
**BSc.** Industrial Engineering, **Applied Science** University, Amman, Jordan-2000

### Training activities

**Face to face and online training in project management to selected social entrepreneur startups 2021**  
**Creating training nuggets for consortium of universities: Germany, Middle East, Africa, and India for university students, 2021**  
**Training Operations Management and Leadership and Emotional Intelligence management in the humanitarian sector, 2021**  
**Training Leadership and Emotional Intelligence to university GJU employees, 2018**  
**Training Team Building to university GJU employees, 2018**  
**Teaching a pan-university class in training class “Leadership& Emotional Intelligence -2014 & 2015.**  
Over 800 students in total went through the class from different disciplines of the university with international students.

### TECHNICAL PAPERS

Journal published paper-coauthored: “Vehicle Design for Robust Driveline NVH Due to Imbalance and Runout Using a Monte Carlo Process,” *SAE International Journal of Passenger Cars - Mechanical Systems*, vol. 4, no. 2, pp. 1033-1038, 2011

Conference peer reviewed paper-coauthored: "Determination of Interior NVH Levels from Tire/Wheel Variations using a Monte Carlo Process," *Noise and vibration conference; SAE 2011*. pp. 2011-01-1580.

Conference peer reviewed paper- first author: “Vehicle Design for Robust Driveline NVH Due to Imbalance and Runout a Case study” August, 2013.

## **JOURNAL & CONFERENCE PAPER REVIEW**

Analysis of Risk in a Supply Chain System with Damage Costs, *Proceedings of the 2013 IIE Engineering Lean and Six Sigma Conference*, MD Sarder, eds.

Random Vibration Monte Carlo Simulation Using Multiple Harmonic Function Schemes, *International Journal of Vehicle Noise and Vibration*, 2013.

## **SPECIAL TRAINING & EXPERTISE**

Entrepreneur trainer, PFF (Preparing Future Faculty-One Year program), Team leading and managing, Six Sigma Green Belt, ISO Quality Management System, TS 16949 Internal Auditing, Lean Manufacturing, Problem Solving, Time and Motion Studies, 5S, APQP, PPAP, MSA, SPC, QMS, TQM, DOE/Taguchi, FEMA, Kepner-Treago, 8-D, 5-Why, Fishbone, Poke Yoke  
Simulation software such as FlexSim

## **PROFESSIONAL EXPERIENCE**

**Dean of Student Affairs at German Jordanian University (GJU), Amman March 2016 – March 2018**

Placing all undergrad students', of all schools; welfare, progression, and capacity building as priority and achieve the university vision through developing robust strategy carried via a balanced scorecard with clear Key Performance Indicators: communicating, carrying out activities, prioritizing and measure and monitor then control. Overseeing a budget of three quarter a million and around 20 employees, including a clinic with a full team (physician, pharmacist and nurses). Moving services into the electronic realm to take advantage of the cyber world. In my capacity, I oversaw student assistant systems, and participated with my team in the design review of the stadium and gym complex. As a dean I helped in the upper university vision and decision making process for the whole university.

**Assistant Professor & Exchange Coordinator at German Jordanian University (GJU), Amman Feb 2014 – Feb 2016**

Teaching and research in the areas of quality assurance, project management, quantitative analysis, Statistics, entrepreneurial studies and leadership; with focus on manufacturing and production environment and latest quality assurance practices.

Exchange coordinator of Management and Logistics Sciences School. Main responsibilities is preparing students for the one academic year abroad before departing then follow up with them while in Germany then receiving them back and complete their academic requirements, class equating and internship paperwork. Attract faculty members from Germany to participate in teaching and research at GJU in Flying Faculty program. On the other hand, helping Faculty from GJU to engage in teaching, research or consultation activities in Germany through Train of Trainer (ToT) program. Serving on school committees in order to connect and serve the university, local and national communities.

**Adjunct Professor at Central Michigan University (CMU), Mt Pleasant, MI Aug - Dec 2013**

I taught at school of Engineering and Technology. Part of my duties were to help evaluating current classes for ABET certification also developing new classes with other faculty members. Teaching is a process in which the student is elevated to a higher level of understanding, critical thinking, problem solving, knowledge integration, information and experience assimilating and ability to recall, analyze, and apply. This new level is neither temporary nor just to make a grade, it is for life. My ultimate goal is to get all students to a level of mastery and then leap to the self-directed learning. This goal is not easy to achieve, as it requires the utmost attention of me to each students, I have to know them very well, understand where they stand so I can help them to advance themselves. Prepare for each class meticulously, expect the areas that students might need more work on and prepare questions they might ask beforehand. The learning process is living creatures, in which the teacher and the students need to interact continuously; this requires a genuine respect of the learning process from the teacher and student, beside genuine respect among students as a body and between them and their teacher.

**Researcher at Center for Advanced Vehicular Systems (CAVS @ MSU), Starkville, MS Jun 2013-Aug 2013**

Further investigation and research in the Noise, Vibration and Harshness (NVH) related to light trucks; with simulation to evaluate different cases driveline systems.

**Mississippi State University of Agriculture and Applied Science (MSU), Starkville, MS Jan 2010-May 2013**

Public, nonprofit, educational Entity of the State of Mississippi, it is classified as a "comprehensive doctoral research university with very high research activity" by the Carnegie Foundation. Fall 2011 enrollment statistics from the Mississippi Institutions of Higher Learning show the MSU Starkville campus is the largest university campus in the state. In 2009, Mississippi State University was ranked #18 nationally in Forbes magazine's "America's Best College Buys" and 1 in agricultural schools within the Southeastern Conference. Mississippi State was also ranked by U.S. News & World Report as one of the best universities in the United States for Engineering and Veterinary Medicine where it ranked #84 and #24 respectively.

**Research Assistant/ Ph.D. Student**

Responsible of all research activities: communications with industry and manufacturers, planning and coordinating all activities, defining required equipment and software, purchasing equipment and software, allocating resources, training for new equipment, carrying out all steps related to research and experimentation, verification and troubleshooting, collecting and processing data, deducing conclusions and disseminating results and communicate them through technical papers and scientific, and expanding knowledge through learning in classes and technical training.

- Planned, developed material and conducted training classes to professionals.
- In a program tailored to prepare Ph.D. students for teaching position in university. The program is called: "Preparing Future Faculty program (PFF)", offered only to handpicked Ph.D. students.
- Involved in research and have been the first author and coauthored of published papers. Three technical conference papers. Two of them are already published, with one of them became a journal paper, while the other still in approval process.
- Accomplished successfully high level courses in several universities and in different format (online, in class, research, or material oriented classes), which help me appreciate different methods and approaches of teaching collage students.

**CONSULTANT (main projects):**

**Sep 2008 to Oct 2009**

**- Elkhorn Family Clinic, Elkhorn, WI**

Clinic and health center with high potentials to expand.

**Project Manager/ Continuous Improvement Leader:**

Responsible for all new projects: Conducting feasibility studies, activity-planning and timeline generating, pulling resources, supervising activities, establishing controls and system to maintain goals, gathering data to assure efficiency and effectiveness goals are achieved, and communicating with top management project progress and final results.

**- Dubai Statistics Center, Dubai, United Arab Emirate**

Government newly formed center. DSC is the only official source for the collection, analysis and publication of statistical economical and finance beside population and social information and data in UAE.

**Consultant**

Responsible for staff training, establishing quality management system (QMS), processes improvements and ISO standards preparation.

- Trained individuals from all departments on process mapping and lead the activities of process mapping
- Improving current processes to the best practices in the industry
- Creating controls to monitor efficiency and effectiveness.
- Authored first draft of the Quality Manual

- Consulted top management to formulate and communicate the center's policy through focus groups
- Establishing the main guidelines for an extensive QMS
- Creating documentation system to controls documents and records.
- Applying the foundations and skeleton to establish ISO 9001:2008 and ISO 14001:2004
- Training top employees on QMS and process mapping concepts

**TROSTEL, LTD.,** Lake Geneva, WI  
**2008**

**March 2006 to Aug**

Custom rubber seal manufacturer to the appliance and automotive industry with annual sales of \$70 million.

#### **Senior Quality Engineer**

Responsible for performing Advanced Product Quality Planning (APQP) for all new products including team formulation, high level design, product and process reviews, and supplier/customer negotiations. Provided quality engineering support for adjacent sister plant including problem solving/reporting, resolving customer issues, and TS 16949 activities. Oversaw quality assurance lab and all dimensional planning for new products, projects and verifications. Managed technical/support staff of three.

- Utilized DMAIC Six Sigma methods to investigate high number of defective parts per million (PPM) for customer, reducing PPM from 55,000 to 3,000 and saving \$55,000 annually.
- Achieved one-time savings of \$200,000 through initiating and leading a multi-functional team to rework and resolve production, customer and supplier issues to effectively reabsorb all unusable materials.
- Led multi-faceted large scale project to outsource metal stamping and transfer metal treatment operations. Satisfied all customer requirements, maintained positive supplier relations, met all timelines, and achieved significant savings.
- Collaborated with supplier quality engineering regarding audits, non-conforming products, de-sourcing activities, and quality management system (QMS) reviews, ensuring supply chain consistency and improved product/process quality.
- Initiated various lean manufacturing methods including Kaizen, 5S and process improvement that enhanced effectiveness and efficiency by eliminating waste.
- Trained engineers, technicians and operators on various quality tools including SPC, MSA, FMEA, capability studies, and lean methods, boosting confidence, skills and individual performance effectiveness.

**RECTICEL NORTH AMERICA,** Clarkston, MI

**June 2004 to March 2006**

Manufacturer of polyurethane compounds for the automotive window encapsulation and interior trim markets.

#### **Quality Engineer/Supervisor**

Responsible for quality engineering, supplier quality, internal TS 16949 auditing, and APQP for all new products. Served as supplier quality engineer; conducted audits, and collaborated and followed up with supplier base on non-conformance conditions. Conducted DOE studies, PFEMA, PPAP, and Gauge R&R analyses. Managed staff of 18 quality technicians, auditors, analysts and inspectors.

- Created quality team responsible for executing various aspects of QMS including SPC, product and process auditing, and inspections.
- Member of task force charged with successful mitigation of significant customer production, quality and process issues.
- Collaborated with Canadian customer regarding continuous improvement strategies, enhancing customer satisfaction through achieving a zero PPM goal.
- Chosen to serve on corporate business improvement team responsible for reorganizing and turning around production and quality in sister plant in Tuscaloosa, AL.

- Achieved continuous quality improvement through effective synchronization of suppliers with OEM and tier-1 requirements.
- Member of warranty team charged with investigating, negotiating and resolving warranty and field failures.

**MAGNA/TESMA GROUP**, Farmington Hills, MI

**Jan 2004- June 2004**

Full service global supplier of advanced powertrain and drivetrain products.

### **Quality Engineer**

Full time contract position secured through **Quality Professional, Inc.** Responsible for utilizing various problem-solving methods and recommending corrective actions, setting up containment levels 1, 2 and GP-12, and creating layered process audits (LPA). Conducted PFEMA cross-functional team reviews, and revised process control plans.

- Initiated SPC system on the floor and trained approximately 125 operators, cell leaders and supervisors across 3 shifts, effectively stabilizing, monitoring and controlling production processes and leading to prevention of product defects.
- Created process auditing system for production, ensuring consistency and leading to improved quality and productivity.
- Designed Go-Nogo gauges for different workstations and cells, facilitating quality control of products.

**QUALITY PROFESIONAL, INC.**, Detroit, MI

**Dec 2002-Dec 2003**

Provider of quality control services including inspection, testing and engineering.

### **Quality/Industrial Engineer**

Provided customers consulting and expertise to support their internal quality teams. Educated customers on utilization of various quality tools including APQP, PPAP, SPC, and MSA. Set up production and assembly cells. Set up containment levels 1 and 2 (CS1 and CS2). Developed procedures to sort, categorize and process nonconforming products. Ascertained rework procedures required on defective parts.

**Entrepreneur**, Detroit, MI

**2000 to 2002**

**Business leader in digital marketing concepts**

### **PROFESSIONAL MEMBERSHIPS**

Member of Alpha Pi Mu Fall-2012 (USA)  
 Member of Tau Beta Pi Spring 2011 (USA)  
 Member of Phi Kappa Phi Fall-2011 (USA)  
 American Society for Quality-ASQ (USA)  
 Institute of Industrial Engineers-IEE (USA)  
 Detroit Society of Engineers (USA)  
 Jordan Engineers Association (Jordan)