

Biographies

Bader Al-Mutawa, Ali Issawy, Osama Ahmad, Abdullah Al-Haj Hasan, and Samer ElKhatib are recently graduated students from the American University of the Middle (AUM) in Kuwait, majoring in Industrial Engineering. During their four years of study they gained several engineering and computational skills. They worked with computer software such as MS Office, AutoCAD, Minitab, MATLAB, Arena, Jack, and Visual Studio. They participated in many AUM academic activities and in addition to their major graduation project presented in this paper, they worked on several course projects in the area of manufacturing processes, safety and ergonomics, operation research, quality control, simulation, and lean six sigma.

Walid Smew is an Assistant Professor in Industrial Engineering at the American University of the Middle East (AUM), Kuwait. He earned B.Sc. and M.Sc. in Industrial and Systems Engineering from Benghazi University, Libya and PhD in Lean Supply Chain Management from the School of Mechanical and Manufacturing Engineering in Dublin City University (DCU), Ireland. Dr. Smew is a Chartered Engineer and member of Libyan Engineers Association, he is also a certified Lean Six Sigma Greenbelt and Product and Process Validation engineer in Ireland. Dr. Smew has published several journal and conference papers and supervised many graduation projects. He has an excellent experience, both theoretically and practically, in machining and metal forming operations and the application of Lean Six Sigma for problem solving and finding optimized solutions through the application of different statistical techniques. Dr. Smew provided technical guidance to assembly processes using work measurement techniques to identify opportunities to improve production performances in terms of time and cost. Dr. Smew has done consulting in the area Supply Chain Management (SCM) and Simulation Modeling along with Dr. John Geraghty from DCU; they developed a comprehensive production and distribution simulation model for Ireland's future oil supply on behalf of Byrne Ó Cléirigh for engineering and management consultancy. Dr. Smew research interest include Quality Control, Lean Six Sigma, SCM, Manufacturing Processes, Simulation and Optimization. Recently Dr. Smew and his research project colleagues won the first place of the Undergraduate Research Competition in IEOM 2018, Bandung-Indonesia, the first place of the Senior Design Poster Competition in IEOM 2018, Paris-France, and the first place of the Lean Six sigma Competition in IEOM 2018, Washington DC-USA.