



QMS Global LLC

Research* Training* Software Solutions

Miller Business Innovation Center, 9690 So. 300 West, Sandy, UTAH 84070 USA

AMAR SAHAY, PH.D: CEO

Dr. Amar Sahay is engaged in teaching, research, consulting, and training for the past 17 years in various Utah institutions including the University of Utah, Salt Lake Community College, Weber State University, and the Westminster College. At present, he teaches and consults in the areas of Supply Chain Management, Lean Six Sigma Quality, Manufacturing Engineering/Technology, Quantitative Methods, and Computer Applications in Quality, Six Sigma in service and manufacturing. By profession he is an engineer and a professor. He is the founder of QMS Global LLC; a company engaged in research, training, consulting, and providing software solutions in the areas of lean six sigma quality, manufacturing, and service.

Amar has a B.S. in Production Engineering (Birla Institute of Technology, India), M.S. in Industrial Engineering and Ph.D. in Mechanical Engineering (both from University of Utah, Salt Lake City, Utah, USA) with emphasis in Computer-aided Design and Manufacturing (CAD/CAM), Manufacturing/Quality Engineering, and Production Systems.

Amar is a senior member of Institute of Industrial Engineers, a member of American Society for Quality (ASQ), a member of Alpha-pi mu, the national Industrial Engineering honor society. He was a senior member of Society of Manufacturing Engineers. He also served in the editorial board of the International Journal of Industrial Engineering: Theory, Application, and Practice for four years. He was a member of NAFSA, the Association of International Educators, and is currently a member of AEA, the American Evaluation Association.

Amar has contributed approximately 35 articles in national and international journals, co-authored and authored books, and presented several papers in national and international conferences. He has published/presented more than 12 papers in Lean, Six Sigma and Design for Six Sigma. The details of his work relating to Six Sigma Quality and Statistics and Data Analysis are available on this website.

Amar has worked on several funded research projects including the Air Force and IBM funded projects on computer-aided manufacturing and quality. He has extensive research, teaching, and consulting experience in areas of computer-aided manufacturing, Quality and Process Control, Operations and Supply Chain Management, Lean Six Sigma, statistical methods, and design and analysis of manufacturing systems. He has significant on-line course and training course development and delivery experience. He has developed extensive training courses in manufacturing, design of experiments, and Six Sigma quality with computer applications and has consulted and provided training in these areas to a number of companies. He received funding to develop quantitative and technology related on-line courses and developed on-line degree, training and certificate programs in computer applications, Production Operations, Supply Chain and quantitative areas. His international experience includes India and China.

Amar's recent activities related to Lean Six Sigma and Operations and Supply Chain Management are given below.

<p style="text-align: center;">Lean Six Sigma and Operations & Supply Chain Mgt. Related Activities (2007-2011)</p>
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Lean Six Sigma Conference: Key Presenter and Speaker, Miller Business Innovation Center, Sandy, UT, April 15, 2009.

Lean Six Sigma Training Workshop: Participated in "Train the Trainer" training and workshop in Six Sigma/ Lean Six Sigma by Global Corporate College, Cleveland, Ohio (December 10-12, 2008).

Six Sigma Classes: Involved in teaching Graduate Level: Six Sigma for Managers course for MBA and PMBA programs at the David Eccles School of Business, University of Utah, Salt Lake City, UT, U.S.A.

Supply Chain Management Class: Involved in teaching Supply Chain management Class at Weber State University, Salt Lake City, UTAH, U.S.A.

Production/Operations and Supply Chain Mgt. Program: Designed the operations and supply chain management program – involved in teaching Production Operations and Supply Chain Management program at SLCC. The major courses within this program are Statistics and Data Analysis, Quality and Six Sigma, Operations Management, Supply Chain Management and Logistics, and Lean Processes and Lean Manufacturing. Developed all courses including the training courses within this program.

Training & Certification Programs: Providing training, certification, and consulting in the areas of Six Sigma, Lean, Data Analysis, Manufacturing and Service System Analysis including computer applications.

Conferences: Attended and presented papers at the following conferences:

International Conference on Business, Hawaii (2007 and 2008).

GBDI (Global Business Development Institute) Conference, Las Vegas (2008).

Six Sigma and Lean Sigma Conference, Miller Business Innovation Center, Sandy, Utah (2008, 2009).

Attended the GBDI conference to present a Data Mining and Six Sigma related papers.

Presented at ABRI (Academic and Business Research Institute) Conference, Las Vegas, 2010.

Attended the Partners in Business: Operational Excellence Conference in Lean Six Sigma-Sept. 2010 at Utah State University, Logan, Utah.

Scheduled to present papers in International Global Business Development Conference, Las Vegas 2011, and International Conference on Business, Honolulu, Hawaii, 2011.

International: Visited Beijing and other parts of Chinese University and college – educational partnership in Supply Chain, Lean Manufacturing, and quality programs.

Karun Mehta, M.S: Senior Research Engineer

Mr. Karun Mehta has a B.S. degree in Chemical Engineering and a M.S. degree in Materials Science and Engineering from University of Utah. Karun's background and expertise are in the areas of advanced materials, lean manufacturing, quality improvement methodologies involving statistical methods and Lean Six Sigma techniques.

Karun began his career with University of Utah where he worked as a research engineer for 10 years in the area of advanced materials. As a research engineer, he was involved in testing, manufacturing and optimization of high-tech ceramic materials. While working on these advanced materials, he developed interest in the areas of Statistics, Data Analysis Quality improvement techniques and Six- Sigma methodologies. Under the expert guidance of Dr. Amar Sahay he developed his skills in these techniques and made significant contributions to several engineering and research projects.

Karun also worked with Dr. Amar Sahay on several funded research projects including the Air Force and IBM funded projects on computer-aided manufacturing and quality. For several years he worked as a Process Engineer in a Ceramic Industrial facility where he was involved in both manufacturing and research projects. While working as a Process Engineer he contributed significantly towards winning 3 Phase I SBIR (Small Business Innovation Research) projects from the federal government in the area of advanced ceramic materials.

Karun has contributed to 2 patents in the area of ceramic materials and authored/co-authored 30 important publications in peer-reviewed, national and international journals. He has co-authored more than 12 papers with Dr. Amar Sahay in Lean, Six Sigma and Design for Six Sigma. He has served as a consultant to several companies which were involved in manufacturing and development of advanced materials.