

## **Ashraf Shabaan Abdou Youssef, Ph. D.**

### **Personal Data**

<b>Birth Date</b>	October 27, 1968
<b>Birth Place</b>	Mansoura, Egypt
<b>Nationality</b>	Egyptian
<b>Social Status</b>	Married with 2 children

### **Qualifications**

#### **Education**

1. **Ph. D., Industrial & Production Engineering**, December 2002. "Expert System for Flexible Manufacturing System," Faculty of Engineering, Zagazig University, Egypt.
2. **M. Sc., Industrial Engineering**, July 1995. "Study of the Effect of Road Roughness on the Driver and Vehicle," Faculty of Engineering, Mansoura University, Egypt.
3. **B. Sc. In Industrial Production Engineering**, May 1991, Production Department, Faculty of Engineering. Mansoura University Graduated with Very Good, B. SC. Project "**Computer-Aided Factory Planning Through Group Technology**" Grade : Excellent.

#### **Languages**

1. **Arabic**: Native Tongue
2. **English**: Very Good

#### **Professional Training**

1. **Promoting Active Learning in the University Classroom**, Center for Teaching Excellence, Kuwait University, 4 May 2005.
2. **Testing and Grading for learning: More Learner Gain, Less Teacher Strain**, Center for Teaching Excellence, Kuwait University, 12 May 2004.

3. **Promoting Effective Learning in Laboratory Courses**, Office of Consultation & Career Development, College of Engineering & Petroleum Kuwait University. 9 March 2004.
4. **Laboratory Quality Control and Quality Assurance: Theory, Practice, and Regulation**, Gulf Institute of Science & Technology with University of Cambridge, March 2002.
5. **Effective Classroom and Course Assessment Process and Methods**, Office of Academic Assessment, College of Engineering & Petroleum, Kuwait University, March 2002.
6. **Web Design**, Office of Consultation and Career Development (OCCD), College of Engineering & Petroleum, Kuwait University, February 2002.

### **General Training**

1. **Intermediate Conversational English Course**, Community Service Center, Kuwait University, October, 2003 / December, 2003
2. **First Aid Course**, June 1996, Medical services & Emergency Department, Ministry of Public Health, Kuwait.

### **Professional Affiliations**

1. **Senior Member**: American Society for Quality (ASQ), USA
2. **Member**: Six Sigma Forum, American Society for Quality (ASQ), USA.
3. **Member**: Egypt Engineering Syndicate

### **Experience.**

#### **Research Experience**

**5/2005 – Till Now**

**Researcher** at Mechanical Engineering Department, Engineering Research Division, National Research Center, Dokki, Cairo, Egypt.

**11/2003 – 11/2004**

**Assistant Researcher** at Kuwait University, Research Department. Project Title “Optimal Buffer Allocation in Serial Production Flow Lines Using Simulation & Neural Networks,” Part-time

- 5/2000 – 5/2001**                      **Assistant Researcher** at Kuwait University, Research Department. Project Title “Analysis of the Effects of Maintenance Policies on Availability of Flexible Manufacturing Cells,” Part-time
- 11/96 – 6 /97**                        **Assistant Researcher** at Kuwait University, Research Department. Project Title “Developing a Decision Support System for Service Systems Analysis,” Part-time
- 9/95 – 2/96**                          **Assistant Researcher** at the Mechanical Engineering Department, Engineering Research Division, National Research Center, Dokki, Cairo, Egypt
- 6/93 – 9/95**                          **Research Assistant** at Mechanical Engineering Department, Engineering Research Division, National Research Center, Dokki, Cairo, Egypt.

### **Teaching Experience**

- 3/96 – 8/2005**                      Chief Engineer and Assistant Lecturer at Industrial & Management Systems Engineering Dept., College of Engineering & Petroleum, Kuwait University, Kuwait.
- 9/95 – 3/96**                         Lecturer at College of Industrial Education, Cairo, Egypt. Part time.
- 4/93 – 9/93**                         Scientific Assistant, Industrial & Production Engineering Dept. Faculty of Engineering, Mansoura University, Egypt.

### **Undergraduate Courses Taught as Assistant Lecturer**

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|----------|---|
| ENGR 304 | Probability and Statistics                  |
| ISE 321  | Work Design and Measurement                 |
| ISE 325  | Occupational Safety & Health for Engineers  |
| ISE352   | Production Cost Analysis                    |
| ISE 353  | Statistical Quality Control                 |
| ISE 395  | Engineering Training                        |
| ISE 432  | Maintenance Planning & Equipment Selection  |
| ISE 434  | Facilities Planning                         |
| ISE 451  | Quality Assurance & Engineering Reliability |
| ISE 454  | Production & Inventory Control              |
| ISE 472  | Project Management                          |
| ISE 481  | Simulation in Engineering Systems           |

ISE 483	Cybernetics
ISE 487	Expert Systems
ISE 456	Productivity Enhancement Methods
ISE 496	Design in Industrial Engineering (Senior Project)

## **Consulting** **Experience**

1. **A Feasibility Study To Produce Army and Police Uniforms, *Project Team Leader and Consultant***, (March 2004 – December 2004), Manpower and Government Restructuring Program, Kuwait.
2. **Developing and Implementing an ISO 17025 Laboratory Competency System, *Project Member and Consultant***, (March 2004 – To date), INCO Laboratory Project. Office of Consultation & Career Development, College of Engineering & Petroleum, Kuwait University.
3. **Developing and Implementing a Comprehensive HSE Professional Development Credentialing Program, *Project Member and Consultant***, (February 2004 – To date) Kuwait Oil Company Project (KOC), Office of Consultation & Career Development, College of Engineering & Petroleum, Kuwait University.
4. **Project Management to Develop and Implement a Marketing and Business Strategy, *Project Member and Consultant***, ( March 2003 – To date) Kuwait Ports Authority (KPA), Office of Consultation & Career Development, College of Engineering & Petroleum, Kuwait University.
5. **Preparing a Request for Proposal for a feasibility study showing the needs of the Kuwaiti Market for higher Education Graduates, *Project Member and Consultant***, ( August 2002 – October 2002) Dr. Nabil Kadomy Office, Office of Consultation & Career Development, College of Engineering & Petroleum, Kuwait University.
6. **Development of HR Function for the Benefit of Kuwait Finance House (KFH), *Project Member and Consultant***, (May 2002 – August 2002) Gulf National Consultants – Managment & Finance

7. **Internal Audit on the Civil Engineering Testing Center as per ISO 17025:1999 Laboratory QMS and A2LA requirements, Auditor, (29/May/2002),** Office of Consultation & Career Development, College of Engineering & Petroleum, Kuwait University.
8. **Internal Audit on Office of Consultation & Career Development as per ISO 9001:2000 QMS, Auditor, (7/May/2002),** Office of Consultation & Career Development, College of Engineering & Petroleum, Kuwait University.
9. **Developing and Implementing Annual Laboratory Excellence (LABEX) Award, Project Member & Auditor, (2001/2002 – 2002/2003 - 2003/2004),** College of Engineering & Petroleum, Kuwait University.
10. **Developing and Instituting Quality Principles in FET, Project Member and Consultant, (October 2001 – November 2002)** Kuwait National Petroleum Company.
11. **Developing and Implementing ISO 17025 Laboratory Quality Management System to qualify the calibration and testing laboratories for Accreditation, Project Member and Consultant, (November 2000 – March 2004)** Engineering Laboratories, College of Engineering & Petroleum, Kuwait University.
12. **Developing and Implementing ISO 9001 Quality Management System to Qualify OCCD for Certification, Project Member and Consultant, (October 2000 – March 2002),** Office of Consultation and Career Development (OCCD), College of Engineering and Petroleum, Kuwait University.
13. **Training and Educational Capabilities of Kuwait University and Public Authority for Applied Education and Training (PAAET) and their Program Suitability for the Needs of Industrial Sector, Project Member and Consultant, (December 2000 – October 2001),** Study to Public Authority for Industry (PAI).

## **Training Experience**

1. **Understanding the ISO 17025 International Standard for Laboratory Competence Workshop**, The Second Conference of Insights on Successful Engineering Practices. 13-16 February 2005. Consultation and Career Development (OCCD), Kuwait University, Kuwait.
2. **Effective Presentation Skills**, February 2004, Student Development Program (SDP), College of Engineering & Petroleum, Kuwait University, Kuwait.
3. **Laboratory Quality Control & Assurance: An Integrated Approach**, December 2004, Office of Consultation and Career Development (OCCD), Kuwait University, Kuwait.
4. **Effective Presentation Skills**, March 2004, Student Development Program (SDP), College of Engineering & Petroleum, Kuwait University, Kuwait.
5. **ISO 17025 International Standard for Laboratory Competence: Application in Public Authority Industry (PAI)**, February 2004, Office of Consultation and Career Development (OCCD), Kuwait University, Kuwait.
6. **Cost Estimation In Industry**, January 2004, Office of Consultation and Career Development (OCCD), Kuwait University, Kuwait.
7. **From Quality Control To Total Quality: An Integrated Approach**, December 2003, Office of Consultation and Career Development (OCCD), Kuwait University, Kuwait.
8. **From Quality Control To Total Quality: An Integrated Approach**, January 2003, Office of Consultation and Career Development (OCCD), Kuwait University, Kuwait.
9. **Laboratory Quality Control & Assurance: An Integrated Approach**, January 2003, Office of Consultation and Career Development (OCCD), Kuwait University, Kuwait.

10. **Laboratory Quality Control & Assurance: An Integrated Approach**, December 2002, Office of Consultation and Career Development (OCCD), Kuwait University, Kuwait.
11. **Developing an Effective ISO 9001:2000 QMS in Your Organization**, May 2002, Office of Consultation and Career Development (OCCD), Kuwait University, Kuwait.
12. **Inventory & Material Management**, February 2001, Private Program for Kuwait National Petroleum Company (KNPC).
13. **Internal Quality Audit ISO9001:2000**, November 2001, Private Program for Kuwait National Petroleum Company (KNPC).
14. **From Quality Control To Total Quality: An Integrated Approach**, May 2001, Office of Consultation and Career Development (OCCD), Kuwait University, Kuwait.
15. **Decision Analysis for Engineers and Managers**, Dec. 1999, Office of Consultation and Career Development (OCCD), Kuwait University, Kuwait.
16. **The Journey to ISO 9000 Registration**, Dec. 1999, Office of Consultation and Career Development (OCCD), Kuwait University, Kuwait.
17. **Quality Assurance and Control**, April 1999, Office of Consultation and Career Development (OCCD), Kuwait University, Kuwait.
18. **Computers in Education Multimedia and Distance Learning**, November 1997, organized by College of Engineering and Petroleum, Kuwait University and UNESCO (Cairo Office).
19. **CNC Machine Operating System**, January 1997, Mechanical Workshop, College of Engineering and Petroleum, Kuwait University.

### **Published Research Papers (Journals):**

1. Aldowaisan Tariq, and Youssef Ashraf, **“An ISO 9001:2000-Based Framework for realizing Quality in Small Businesses,”** Accepted to be published in The International Journal of Management Science (OMEGA).

2. Savsar Mehmet, and **Youssef Ashraf**, “**An Integrated Simulation-Neural Network Meta Model in Designing Production Flow Lines,**” WSEAS Transactions on Electronics, Issue 2, Vol. 1, April 2004, PP 366-371.
3. **Youssef Ashraf**, Abo-Mossalam Youssef, Abed Kamal, and El-Chazly Nihad, “**The Effect of Vehicle Suspension System Components on the Ride Comfort Due to Road Roughness.**” Mansoura Engineering Journal, Faculty of Engineering, Mansoura University, EJM, Vol.20, No.4, December 1995, PP M.28-M.37.

### **Published Research Papers (Conferences):**

1. Aldowaisan Tariq, Almutawa Souhaila, and **Youssef Ashraf**, “**The Design and Implementation of ISO 17025:1999**” Proceeding of the 2<sup>nd</sup> Insights on Successful Engineering Practices. Pp 205-213, Kuwait 13 – 16 February 2005. (peer-reviewed conference).
2. **Youssef Ashraf**, Mahmoud Ftin F., and Aly Adel, “**A Pattern Recognition Framework for Quality Control Charts**”, 2<sup>nd</sup> International Industrial Engineering Conference (2<sup>nd</sup> IIEC 2004), December 2004, Riyadh, Saudia Arabia (peer-reviewed conference).
3. **Youssef Ashraf**, Mahmoud Ftin F., and Nawara Gamal, “**An Expert Diagnostic Quality Control System**”, IMEC04-5044, PP 1 – 16 International Mechanical Engineering Conference (IMEC 2004), December 2004, Kuwait (peer-reviewed conference).
4. Savsar Mehmet, and **Youssef Ashraf**, “**An Integrated Simulation-Neural Network Meta Model in Designing Production Flow Lines,**” WSEAS Proceeding, paper code 482-242, February 13-15, 2004, Salzburg, Austria (peer-reviewed conference).
5. Aldowaisan Tariq, Almutawa Souhaila, and **Youssef Ashraf**, “**The Design and Implementation of ISO 17025:1999 in the Civil Engineering Testing Center at Kuwait University,**” 1<sup>st</sup> Annual Quality Congress, Iran, November 2002
6. Aldowaisan Tariq, and **Youssef Ashraf**, “**A Framework for Realizing ISO 9001:2000 in Small Businesses,**” 2<sup>nd</sup> Gulf International Conference on Quality, Bahrain, April 2002 (peer-reviewed conference).
7. Aldowaisan Tariq, **Youssef Ashraf**, and Gaafar Lotfy, “**The Development of the Quality Concept in Reference to Selected Standards,**” *Public Authority for Applied Education and Training* (PAAET), Conference on Quality at Kuwait, March 2002.

8. **Youssef Ashraf**, Abo-Mossalam Youssef, Abed Kamal, and El-Chazly Nihad, “**Investigation of the Effect of Vibration on Man and Car Due to Road Roughness,**” 6<sup>th</sup> Cairo University International Conference on Mechanical Design and Production”, January 1996. PP 439 – 447 (**peer-reviewed conference**).

### **Published Articles In Trade Journals**

1. Al-Dowaisan Tariq, **Youssef Ashraf**, Yahya Mohamad, and Al-Rumaih Hatem, **Laboratory Excellence Award (LABEX)**, AL TA'AWON AL SINA'E, Industrial Cooperative in the Arabian Gulf, Issue No. 90, Twenty-Third Year, January 2003, Arabic article pp. 66-81.
2. Gaafar Lotfy, and **Youssef Ashraf**, **Using Simulation in Planning and Evaluation of Industrial Manufacturing Systems** Journal of Kuwait Engineering Society Vol. 62 October – December 1998, Arabic article, PP. 42-48
3. **Youssef Ashraf**, **Group Technology is a Good Layout in Spare Parts Manufacturing Sector.** Journal of Kuwait Engineering Society Vol. 56 April – June 1997, Arabic article PP. 42-45

### **Professional Activities**

- **Consultant** to Gulf Lead Consultants (GLC), Kuwait, November 2004 – To Date.
- **Consultant** to Manpower and Government Restructuring Program, Kuwait, March 2004 – January 2005.
- **Quality Assurance & Quality Control Supervisor** on Public Health Study (PHS) project in Kuwait, It is a project implemented under the consortium of Harvard University “School of Public Health”, Temple University “Institution For Survey Research”, Kuwait Institution for Scientific Research, and Kadhema Scientific Consultancy & Services., Kuwait, Dec. 2003 – June 2004.
- **Chief Engineer at the Industrial & Management Systems Engineering Department**, College of Engineering & Petroleum, Kuwait University, Kuwait July 2001 – To date.
- **Labs Construction Committee** of Industrial & Management Systems Engineering Department, College of Engineering & Petroleum, Kuwait University, Kuwait March 1996 – To date, member.
- **Co-advisor of the senior project** 1998 - to 2004, Industrial & Management Systems Engineering Department, College of Engineering & Petroleum, Kuwait University.

1. **Designing Convenience Stores System For The Sultan Center., Kuwait 2003/2004**
2. **Engineering Productivity & Market Share In Hotel Management Through Industrial Engineering Prespective, Kuwait Hotel Company, Safir International Hotel Management, 2002/2003.**
3. **A Comprehensive Study of Shuwaikh Port, Kuwait Ports Authority, 2001/2002.**
4. **The Industrial Bulidings & Construction Company, Analysis and Evaluation, Industrial Bulidings & Construction Company, Kuwait 2001/2002.**
5. **Industrial Bank of Kuwait, Kuwait, Productivity Analysis, 2001/2002.**
6. **Touristic Interprises Company, Analysis and Evaluation. Kuwait, 2000/2001.**
7. **Public Dental Health Care in Kuwait, Ministry of Health, Kuwait. 2000/2001.**
8. **Car Accident System, Problems and Analysis. General Traffic Department, Ministry of Interior, Kuwait. 1999/2000.**
9. **An Analysis of Aircraft Engine Maintenance System, Engineering Department, Kuwait Airways, Kuwait. 1999/2000.**
10. **Arabian Light Metal Company, Analysis and Evaluation. Kuwait. 1998/1999.**