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| **Date of birth**: July, 15th 1973 **Nationality**: Kuwaiti**Marital Status**: Married* : P.O. Box 2921 Safat

 13030, Kuwait* : + 965 99666695

 + 965 22999195@: alrifai@kuwait-fund.org@: alrifai@gmail.com   | Nasser B. AlRifai, Ph.D. |  |
| ***EDUCATION*** |  |  |
| **2003-2007***USA***2001-2002***USA***1992-1997***USA* | **Doctorate of Philosophy (Ph.D.) in Industrial Engineering** *Dissertation Title "Optimizing a Lean Logistic Network and Identifying its Breakdown Point"**Research Topics: Quality Management, Lean Principles, TQM (Total Quality Management), Operation Management and Logistics/Supply chain Management.* The University of Southern California (Ranked #7 in USA in 2008), Los Angeles, Ca, USA**Masters of Science (MSc.) in Engineering Management (Joint Program by Industrial Engineering School and Marshall Business School MBA Program)**The University of Southern California, Los Angeles, Ca, USA**Bachelors of Science in Mechanical Engineering**The University of Missouri – Columbia, Columbia, Mo. USA**Minors Degree in Mathematics**The University of Missouri – Columbia, Columbia, Mo. USA |
| ***PROFESSIONAL EXPERIENCE*** |
| **Aug. 1998 – Present****(18 Years)***Kuwait* | **Kuwait Fund for Arab Economic Development. Title: Engineering Advisor.Department: Operations Department.*** Evaluating, Appraising and Managing Mega Infra-Structure Projects that include Water Dams, Factories, Power Plants (Thermal and Hydropower), Water Treatment (Plants and Networks) and Railway systems and lines from both a technical and economical perspective for The Kuwait Fund.
* Managing Economic Development Projects for the Fund with regular site visits to verify progress and help troubleshoot any unexpected problems that arise during the implementation of the project.
* Negotiating and Executing Project loans and follow-up loans the Fund.
* Actively participating in preparing and reviewing all feasibility studies and tender documents for the execution of projects financed by the Fund.
* Defining and Setting different Performance / Quality measures to better manage and improve The Kuwait Fund Operations and Projects.
* Looking into and verifying claims presented by contractors.
* Preparing of reports, memos…etc. to the Fund’s Board of Directors to show progress and delay in projects.
* Providing professional and operational support for the Fund’s Director-General and internal and external activities of the Fund.
* Looking into Different procedures followed in the Fund and recommending new procedures to improve the Quality and Efficiency of the procedures.
* Worked on and Trained in The Kuwait Fund Engineering Training Program.
* Quality Advisor to Kuwait Fund Management, Work involved improving the funds different departments by going over and improving current processes and worked on improving them by Identifying Choosing and Monitoring Key KPI`s for the Fund.
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| **1997-1998**Kuwait | **Equate Petrochemicals, Mechanical Engineer, Maintenance Department*** Worked in the Maintenance Department as a Mechanical Engineer.
* Was assigned to manage a team of 125 technicians to provide predictive and preventive maintenance services for multiple plants in Equate working on both rotary equipment and vessels.
* Received training on working with SAP.
* Was assigned the job of reviewing spare part inventory and optimizing the inventory to both minimize holding cost but at the same time not interrupt the maintenance required due to parts not being available.
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| ***TEACHING EXPERIENCE*** |
|  | * Adjunct faculty member in GUST (Fall 2009 – Present) and Kuwait University during Fall 2012. Teaching the Following Classes:

Introduction to Operations Management (300 Level).Adv. Production and Operation Management (Master Level).Supply Chain Management & Basics of Logistics (300 level).Advanced Supply Chain Management. (400 Level Course).Quality Management (300 Level).Total Quality Management (Master Level).Project Management (Master Level).Lean Six Sigma (Master Level).Lean Systems application in Manufacturing and Service.* Assisted in Teaching the following class at the University Of Southern California, Los Angeles, Ca, USA. (2005-2007): Engineering Economics, Systems Engineering, Total Quality Management.
* Presented research findings to graduate classes for fellow professors in Quality Management Classes and PhD Seminars).
* Assisted in Teaching Pascal when at The University of Missouri- Columbia (1995).
* Certificate of Completion, Root Cause Analysis workshop, Projacs, Feb. 1998, Kuwait.
* Certificate of Completion, Dam Design and Safety Analysis, 2001, USA.
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| ***FOREIGN EXPERIENCE*** |
|  | * Participated in the appraisal, negotiation and management of the following developmental projects:
	+ Neelum-Jeelum Dam /Hydropower Project - Pakistan, Project Description: Create a Dam to divert water through 47 KM of Tunnels to a Hydropower plant that will Generate 989 MW from the water (Project costs 640 Million KD)
	+ Banha 750 MW Thermopower Plant - Egypt, Project Description: Build a New Powerplant with an estimated generation output of 750 MW to provide power for Cairo. (Project cost 235 Million KD).
	+ Halwan 1950 MW Critical Heat Power Plant - Egypt, Project Description: Build a New Powerplant with an estimated generation output of 1950 MW including a switch yard and power cables to provide power for Cairo. (Project cost 736 Million KD).
	+ Greater Istanbul Water Supply Project - Turkey, Project Description : Develop a Water Treatment Plant and a water network to service Istanbul (Project cost 105 Million KD).
	+ Ash`Sharqiyah Sands Water Supply System - Sultanate Oman, Project Description: development of a water well field and connecting it to the local water supply network. (Project cost 12 Million KD).
	+ Khaboor Irrigation - Syria, Project Description: Construction of an Irrigation Dam and the repair and the renewal of the Damascus Water network. (Project cost 30 Million KD).
	+ Korlee Lagoon Project Ghana, Loan amount 12 million KD, Project Description: Restoration of Korlee Lagoon. (Project cost 24 Million KD).
	+ Locus Irrigation Project – Morocco, Project Description: Building a Pumping Station with 3.6 m3/sec output and creating a irrigation network using piping and canals with total lengths of 1300 KM in addition to putting up power transmission lines. (Project cost 12.7 Million KD).
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| ***RESEARCH EXPERIENCE*** |
|  | * Total Quality Management (TQM).
* Supply Chain Management.
* Logistics and Inventory Management.
* Lean Principles.
* Six Sigma.
* Operation Research.
* Project Management.
* Lean Six Sigma.
* Operation Management.
* Simulation.
* Mathematical Heuristics Development.
* Organization Restructuring.
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| ***CONSULTATIONAL / TRAINING EXPERIENCE*** |
|  | Worked alone and with Global Logistic Consultants (GLC) to provide consultation and training services to Local and International companies. Portfolio of Jobs includes: * Redesign of Storage and Plant layout for Kuwait Steel Pipe Co. (GLC Project) to better optimize usage of Storage facilities and Submitted a proposed plant redesign.
* Provided Project/Construction Management and Supervision for multiple projects in Kuwait that include Houses, Investment Building and currently working on a 125 Key Hotel. Jobs include representing the owners and coordinating the activities between different contractors and the consultants.
* Optimizing the Customer Service, Operations and Warehousing facilities for Yogen Fruz (Frozen Yogurt Company). (SOLO)
* Worked with Arabi Company to upgrade their Operations, Logistic services and Customer satisfaction. The job included:
	+ Improving/Optimizing The Maintenance Department.
	+ Redesign of The Warehousing System and Operations.
	+ Sales / Maintenance Parts forecasting of demands for 2 years with 98% accuracy.
	+ Improving the Warehousing System to avoid stock outs while at the same time minimizing capital costs.
	+ Identified Key Performance Measures (KPIs) to improve customer satisfaction with maintenance and general operations.
* Provide Training for PMP Certification (Project Management Professional).
* Provided Training for CSCP Certification (Certified Supply Chain Professional).
* Provided Training for Lean Six Sigma Transformation and Certification for Financial Industry Clients in multiple Local Banks.
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| ***COMPUTER EXPERIENCE*** |
|  | * Microsoft Windows (XP, Vista And Windows 7), and MAC OS X.
* Programming in Pascal and Fortran.
* Microsoft Office Applications (Word, Excel, PowerPoint, Project, Visio).
* Primavera.
* Blackboard Education System.
* Premium Solver.
* Internet
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| ***LANGUAGES*** |
|  | * Arabic (native)
* English: R: Excellent W: Excellent S: Excellent
* French: S: Very Good W: Fair R: Fair
* Spanish: S: Fair W: No R: No.
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| ***AWARDS RECEIVED*** |
|  | * Ranked #4 Nationally in the Mathematics Olympics 1989.
* Graduated with Honors from High school 1992.
* Bachelors Degree Scholarship from The Ministry of Higher Education, 1992.
* Masters Degree Scholarship from Kuwait Fund for Arab Economic Development, 2001.
* Graduated with Honors with a Masters Degree in Engineering Management from USC (Ranked #7 Nationally in the US in Graduate Engineering Studies in 2008).
* PhD Scholarship from Kuwait Fund for Arab Economic Development, 2003.
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| ***Professional Societies and Certification*** |
|  | * Member of The Kuwait Society of Engineers since 1997.
* Member Project Management Institute of America (PMI) Since 2010.
* Member American Society for Quality (ASQ) Since 2003.
* Member American Society of Mechanical Engineers (ASME) since 1997.
* Member Institute of Industrial Engineers since 2005.
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| **References** |
|  | * Professional references provided from employers (Upon Request)
* University References:
* Mohammad J. Al Khedher, Assist. Proffessor, Industrial & Management Systems Engineering Department, Kuwait University.
* Mohammad S. AlRifai, Assist. Proffessor, Mechanical Engineering Department, Kuwait Univeristy
* Maged M. Dessouky, Professor, Deniel J. Epstein Department of Industrial Engineering, The University of Southern California. maged@usc.edu .
* F. Stan Settles. Professor, Deniel J. Epstein Department of Industrial Engineering, The University of Southern California. settles@vsoe.usc.edu .
* Greys Sosic, Asst. Professor, Information and Operations Management, Marshall School of Business, The University of Southern California. sosic@marshall.usc.edu .
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