

# CURRICULUM VITAE

***Dr. Ayoub M.A. Kazim***

**Nationality:** United Arab Emirates

## **SYNOPSIS:**

Have over 20 years of administrative, operational, technical and academic experience in the field of engineering, renewable and hydrogen energy, project management and business development.

## **OBJECTIVE:**

To lead a growing UAE based organization to be one of the key business establishments in the region and contribute to its overall financial and operational successes.

## **EMPLOYMENT HISTORY**

### **2006-present *Managing Director. Education Cluster - TECOM Business Parks, Dubai Holding***

Lead the education cluster of Dubai Holding consisting of Dubai Knowledge Village (DKV), which hosts over 500 local and international HR firms, consultants and educational institutes and Dubai International Academic City (DIAC), which hosts over 25 local and international academic institutions serving the entire region. Below are the achieved tasks for the education cluster:

- Commissioned Deloitte to conduct an extensive market research on industry trends and identifying skill gaps between industry demands and skills possessed by the graduates in 11 economic sectors covering 17 countries in Asia and Africa.
- Set up strategy and marketing plans, annual budget and business model for DKV for hosting international training institutes, assessment centers and HR companies.
- Set up master-plan, strategy and marketing plans, annual budget and business model for DIAC aimed at increasing students' intakes and attracting international academic institutions intended to serve the region.
- Developed efficient manpower plan and policy, job descriptions and set KPIs for the different operating departments.
- Set an annual budget for the two business units with clear financial projections and targets as well as planned capital and operating expenditures.
- Achieved an overall operational and financial growth of 200% over the past 7 years.
- Participated and presented in major educational events in the world such as NAFSA, ASTD, APAIE, EAIE, APPLE, IDP and AIEA in an effort to promote the education cluster.
- Supervised and drafted policies and plans associated with environment, health and safety in DKV and DIAC to achieve ISO 9001, 14001 and 18001 certifications.
- Obtained LEED Green Building certification for DIAC's phase III buildings of a total built-up area of approximately 600,000 SQFT, by the US Green Building Council in 2009.
- Setup guidelines for assessing academic institutions that are seeking to open a branch campus in DIAC, covering four key areas namely academic plan, institutional profile, country profile of the parent campus, and quality assurance to be adopted in Dubai branch.
- Worked closely with key educational authorities such as Knowledge and Human Development Authority, to license academic institutions operating the two free zones.

- Forged numerous agreements with major international academic organizations such as NAFSA, EIAE, APAIE, NUFFIC and many more.
- Served as a council member of British University in Dubai as well as the academic committee of Harvard Medical School in Healthcare City.
- Developed a robust financial plan for the two educational entities in 2009 and 2010, aimed at optimizing financial returns while minimizing operational and capital expenditures, in an effort to overcome the challenges caused by the current economic slowdown.
- Planned and executed a major manpower-restructuring initiative in May, 2010 aimed at optimizing number of headcounts while maximizing the overall operational and financial efficiency.
- Developed annual training programs for the employees to developed solid plans to achieve at least 25% emiratization of the total workforce.

**1999-2006 Associate Prof. Dept. of Mechanical Engineering, UAE University in Al Ain**

- Taught major engineering and science courses such as Mathematics in Engineering Applications, Thermodynamics, Fluid Mechanics, Heat Transfer and advanced courses such as Renewable Energy Technology.
- Utilized modern teaching tools and methods such as power point presentations, OASIS and BLACKBOARD programs.
- Supervised electrical engineering and architecture students on assessing university facilities, setting a plan for construction projects implementation.
- Performed performance evaluation of student trainees from various engineering disciplines semi-annually for over 5 years.
- Supervised senior design projects that are vital to the UAE's energy, environment, commercial and transportation sectors.
- Conducted numerous seminars and workshops related to renewable energy, environment and utilization of PEM fuel cells in the transportation and commercial sectors of the UAE.
- Supervised and provided academic consultancy for 10 undergraduate students from the first day they joined the Mechanical Engineering program until their graduation.
- Participated in the Mechanical Engineering orientation program for newly arrived students.
- Developed a master degree program in Mechanical Engineering with emphasis on renewable energy area addressing UAE's industrial, environmental and energy sectoral demands.
- Involved in the accreditation procedures required to obtain the accreditation from the American board of engineering and technology (ABET).
- Published over 50 refereed-articles and technical reports on renewable energy, energy efficiency, hydrogen energy and fuel cells, energy economics and policy, and environment.
- Refereed major international journals such as International Journal of Hydrogen Energy, Energy- The International Journal, Exergy- An International Journal and International Journal of Energy Research.
- Served as a member in more than 20 administrative, technical and academic committees.
- Served as a member in the international scientific advisory board of numerous international energy and environment events.

**2000-2002     *Director of Campus Development Department (CDD). UAE University in Al Ain***

- Involved in at least 200 construction and maintenance projects of various academic facilities such as classrooms, labs, students' housing, cafeterias, offices of faculty members, stores...etc.
- Prepared a working plan for CDD consisting of specific goals for design, supervision and managing university facilities and allocating the required budget and time frame.
- Prepared with Hill International, a US project management firm, a detailed pre-qualification form for all contractors and suppliers in order to assess their capabilities in carrying out the required projects and maintenance of university facilities.
- Performed a comprehensive inventory of all academic facilities.

**1991-1999      *Teaching/Research Assistant. Energy Research Center, UAE University in Al Ain***

- Involved in the renewable energy research projects that were conducted by Energy Research Center of UAE University and published a country report entitled '*Energy in the UAE*'.
- Assisted in teaching Engineering Mechanics and Environmental Engineering courses.

**1989-1991      *Mechanical Engineer. Building Department, Dubai Municipality***

- Supervised installation and commission of major mechanical systems in buildings such as A/C's, elevators, fire fighting and fountains and the entire piping network, controllers and turbo-machineries associated with such systems.

**EDUCATION**

- **Ph.D. in Mechanical Engineering**, University of Miami, USA, 1998.  
*Dissertation title:* "Investigations on proton exchange membrane fuel cells with different configurations and flow fields".
- **M.Sc. in Mechanical Engineering**, Polytechnic University, New York University in New York, USA, 1994.
- **B.Sc. in Mechanical Engineering**, University of Alabama at Birmingham, USA, 1989.
- **Certificate in Energy Management**. Kita Kyushu, Japan, November, 1991- April, 1992.

**PROFESSIONAL AFFILIATIONS**

- International Solar Energy Society.
- International Association for Hydrogen Energy.
- American Society of Mechanical Engineers.

**AWARDS AND HONORS**

- International WHO's WHO for professional educators, 2001.
- Sheikh Rashid's Award for Scientific Achievement, 1999.
- Al Owais Award for a research paper entitled '*Energy in the UAE*', 1993.