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CAREER FOCUS:

I am a highly motivated, versatile and detail focused administration, research and teaching professional who recognises that high quality results and academic excellence are only achieved through a knowledgeable and motivated team. I have built a broad portfolio of specialist, business and interpersonal skills through a series of progressively more challenging academic, business and administrative assignments and have demonstrated administration and business acumen and commercial skills in parallel with my research and degree studies.

I am now keen to further expand my skill set and progress the next stage of my career, potentially within academia, research work or administration. I am therefore actively looking for a new opportunity that will enable me to use my skills and experience, as well as my enthusiasm and dedicated approach, to make a significant senior level contribution to a successful organisation that will give direct benefits to its business objectives and overall strategy.

MAJOR

ACHIEVEMENTS:

- A proven operational and strategic understanding of the scientific research environment with a strong academic background underpinned by multi-disciplined degrees and doctorates.
- Excellent record of designing and delivering interactive, learner-centred training interventions to a wide range of students giving theoretical and practical insights into a number of specialisms.
- Obsessed with implementing the highest possible quality standards in research work and data collation
- A proven ability to work under pressure with consistent delivery of my objectives and targets even when under the most stringent deadlines.
- Reliability and determination when working individually as well as being an outgoing, personable and supportive team player.
- Use of high class influencing and communication skills with successful modelling of a range of flexible management and leadership styles.

QUALIFICATIONS:

- (1995) PhD in Laser Physics (*University of Wales, Swansea*)
Department of Physics, University of Wales, Swansea.
Thesis title: “Narrow Bandwidth Tuneable Diode Laser System for Applications in Spectroscopy and Interferometry”.
- (1989) MSc in Analytical Physics (*University of Wales, Swansea*)
Department of Physics, University of Wales Swansea. Thesis title: “IR Spectroscopy and Its Applications”.
- (1979) BSc (Hons) 2:1 (*University of Mosul*)
Have also undertaken a number of electronics and IT related courses with the Open University as well as an intensive leadership skills course at the University of Wales, Lampeter.

Training:

Intensive courses in:

- Quality Control (Factory Training) (IRAQ).
- Leadership courses at Lampeter University (UK).
- Minority interests initiatives (UK)
- Communication skill course (UAE).
- Workshop on accreditation and evaluation (UAE).
- Workshop on Moodle program (UAE).
- Introducing Latex in mathematics (UAE).
- Introducing Mathematica in science and mathematics (UAE).
- Workshop on the marketing and administration viability in the (UAE).
- Training workshops with Microsoft. (UAE)

CONFERENCES:

- Ionization Physics (1987, University of Swansea, UK)
- Plasma 2006: 5th International Symposium on the Intrinsic Josephson
- Effect in High Tc Superconductors, July 2006 IOP, UK
- BEAMS , July 2006, IOP, UK
- Environmental Electrostatic 2 - Measurement Methods in Environmental Electrostatics, July 2006, IOP, UK
- Consultancy, Change and Innovation, June 2006, IOP, UK
- Material Systems for Emerging Technologies, June 2006, IOP, UK
- Recent Advances in Mixed and Active Membranes, July 2007, IOP, UK
- Physics Meets Biology 2008, July, 2008, UK
- Modelling and Characterisation of Interfaces, June 2008, IOP, UK
- Large-N conference (July 2009 University of Swansea, UK)
- Physics Meets Biology September, 2010, UK

PUBLICATIONS:

- 1- Narrow bandwidth tunable diode laser system for applications in Spectroscopy and interferometry – Kudayair A.(1994) PhD Thesis University of Wales Swansea.

- 2- Registered Patent of No. 9408051.1 , Newport , UK (Narrow Bandwidth Tunable semiconductor Diode Laser system for Interferometric and Spectroscopic applications/ H.H.Telle, N.J. Copner, A.A.S.Kudayair, C.J. Abraham).
- 3- EQ for everyone ...common approach. (eBook) – process
- 4- Skills and Practices in organizational management. (eBook)- process
- 5- Astronomy: (eBook) – process

COMPUTER SKILLS:

- Very good working knowledge of Microsoft Word, Excel, PowerPoint and Access as well as programming in Pascal, Data manipulating, CAD and Web design
- I have been involved in employing the Computer software for virtual teaching Science by using Mathematica, Matlab, Maple and on-line programmes.
- Now I am working on e-learning by using Moodle software. Moodle is a course management system (CMS) designed using sound pedagogical principles, to help educators create effective online learning communities.

LANGUAGES: Fluent in Arabic and English.

MEMBERSHIPS

- Institute of Physics (IOP).
- Swansea Bay Racial Equality Council (REC).
- British Amateur Electronics Club (BAEC).
- Her Majesty the Queen council on education/Racial Harassment.

Committees

- **Responsibility of follow up, modernise and development File.**
- **The Licensure Committee.**
- **Head of Basic Science division.**
- **Study Plans for Basic Science courses.**
- **Al Thiqah club of disables – Committee of Cultural and Media .**
- **The External relations.**
- **The Virtual environment.**
- **Technospher.**
- **Designing the site of staff profile.**
- **Strategic coordinator for the Multimedia Centre.**
- **The Scientific committee of Math and Science Department.**
- **Responsibility of the Physics laboratory.**
- **Reviewing the Basic Science courses.**
- **Selection and assignment of new staff.**
- **Describing the courses for the Basic Science division.**
- **Community Service Committee**
- **Ad-hoc Committee**

FACULTY DUTIES, ASSIGNMENTS AND STUDENT ACTIVITIES

- Teaching load (15 credit hours).
- Follow up and coordinating the Basic Science department.
- Preparing the teaching plan of various courses.
- Course coordinator of Astronomy (Designing and developing course lectures, teaching plan and follow up).
- Course coordinator of GIS (Designing and developing course lectures, teaching plan and follow up).
- Course coordinator of Environmental Sciences (developing course lectures and follow up).
- Course coordinator of General Physics (designing , developing and Follow up)
- Oversee and fostering of the scientific society since 2003.
- Overseeing and preparing the graduation ceremonies since 2001.

Supervision - Over 200 graduation reports in Physics and environment (UAE).
 - 4 B.Sc Students (UK). - 1 M.Sc Student (UK).
 - 1 PhD Student (UK).

EXPERIENCE:

(1999 - 2009)

University Lecturer/ Ajman University, UAE

Deputy Departmental Head and Science Coordinator

Primarily responsible for effectively delivering a diverse range of teaching, research and operational management related objectives working for one of the UAE's leading institutes of higher education. Main activities include acting as Deputy Head of the department of Mathematics and Science and regularly designing and delivering lectures and tutorials as well as running teacher training and mentoring up to 50 students a year as an Academic Advisor.

Other activities include teaching a broad curriculum in English and Arabic covering a variety of courses in physics, thermodynamics, education and ecology among many others.

Particularly recognised for single handedly designing an additional course (special topics: Astronomy, Solar systems and replacement energy) for the Mathematics and Science department with associated aims, objectives and outcomes as well as leading a team of colleagues to revise and update all the modules of the department's Basic Science division.

(2009 – till now)

University Lecturer / College of Humanities and Sciences
(Previously Unit of General Studies)

Courses taught (in English and Arabic):

1. Phys 1 (Classical Mechanics)
2. Phys 2 (Electricity & Magnetism).
3. Phys for Dentistry
4. Phys 3 Modern physics and its Applications (including student's researches, reports and activities).

5. Phys 4 Thermodynamics, Electromagnetic waves And Gases theory.
6. Phys 5 Optics and Lasers.
7. Pedagogy (Teaching methods of Science and Math).
8. Practical training of Science and Math at field.
9. Principles of Ecology (including student's researches, reports and activities).
10. Environment & Pollution (including student's researches, reports and activities).
11. Integrated Science.
12. Environmental Sciences.
13. Software applications in Math and Science. (Mathematica, Matlab and maple...)
14. Research Methodology.
15. Human and Ecology.
16. Math for Business
17. Astronomy

The Scientific Society

The Student Scientific Society plays a pioneering role in fostering a vibrant and stimulating community for students through support of the activities, and events that contribute to the intellectual, cultural, social, and recreational life of the campus and through the provision of services that promote and enable student well-being and success.

I was elected in 2003 to be the head of the society, since then me and my team have initiated and formed many committees regarding the most demanding activities (social, scientific, cultural and sport) where they exploit their skills and efforts to enriching their academic and social experiences.

In consistent with the University mission, I was responsible towards promoting a campus environment in which students can develop themselves as responsible citizens functioning within a diverse multicultural community and where they can experience multiple opportunities for the development of leadership skills in a variety of campus and community settings and participate in many activities.

For supporting this mandate, I was assigned overseeing development and implementation of programs and services aimed at supporting and enhancing the personal development goals of the student's scientific society.

I also set a mentoring program to follow up their needs, achievement and interest toward performing the goals and objectives of the society. Through a comprehensive and unique team work, we have managed to setup science fair on the university and national level, many press interviews, magazine, scientific and educational competitions, and more than 10 graduation ceremonies. This is only few to mention from so many activities since the evolution of the society.

Major Responsibilities

1. Develops, oversees and provides a variety of outreach programs and direct services to support social, academic and cultural needs.
2. Provide the counselling services for our students whenever necessary.
3. Lead and deliver the outreach programs and workshops such as stress management, time management, social/cultural debates etc., increasing awareness and improving attitudes towards science, technology and life aspects.
4. Mentoring student's issues provides reports and recommendations to enhance outreach programs and service delivery.
5. Works with the deanship of student affairs to develop and implement ongoing personal development and support outreach programs/services that are aligned with the mission, vision and values of the university

Quality Assurance Management Roles

- (1) Perform development performance management and quality assurance within the Faculty of Education and basic science, with the goal of continuous improvement and transformation to deliver internationally recognised standards and improve student-learning outcomes.
- (2) Develop goals, objectives and key performance indicators to ensure the delivery of high standards in the faculty.
- (3) Manage the development and implementation of processes for performance monitoring and review and derive lessons learned to continuously improve the Education Sector.
- (4) Perform the surveying and data analysis on student recruitment, retention and progress and manage the graduate destination surveys for post secondary education in the faculty in order to initiate new programs.

(1998 - 1999)

Independent Consultant

Telco Global Communications

Successfully undertook a one year assignment working as an independent consultant for one of the UK's leading telecommunications companies.

(1995 - 1997)

Delivered a one year external consultancy role before taking a year out to study and practise programming in Pascal, other languages and software engineering with the Open University.

(1991 - 1994)

Researcher

University of Wales, Swansea

Effectively delivered a medium term, industry related research role within the physics department of one of the UK's leading universities. Projects included:

- Designing and commissioning a compact semiconductor diode laser system for spectroscopic, interferometric, environmental and astronomy applications.
- Designing, building and testing electronics for diode laser systems (current and temperature controllers, locking system and automatic start-up unit).
- Creating an optical set-up with external cavity for line-narrowing of diode laser to nearly 1 MHz.
- Designing spectroscopic applications, in particular in optogalvanic spectroscopy (atomic transitions) and absorption spectroscopy (molecular transitions).
- Collating computer controlled data and conducting spectral analyses.
- Building experience with numerous spectrometers of various manufacturers such as single and double Czerny-Turner with photomultiplier detector, computer controlled spectrometers with photodiode array detectors and spectrum analyzers based on interferometry.

(1980 - 2022)

Industry and other roles

various

During this 29 year period successfully undertook a series of increasingly challenging and rewarding assignments within education, industry and business.

(1980 – 1982)

Initially took a two years role as a private teacher.

(1982 – 1986)

Head of the quality control inspection laboratory in Iraq tasked with R&D management, funding, quality control and materials inspection in industry.

Quality Control Inspection

Examination and measuring of hardness, fatigue and tensile of Materials (based on hydraulic testing equipment).

- (1) Hardness and heating treatment test on site and in the laboratory.
- (2) Spectroscopic measurement of materials, (fluorescence spectroscopy).
- (3) UV reflection testing for fault analysis (fluorescence method).
- (4) Microscopic and photographic testing (analysis of material failure).
- (5) Ensure that the testing equipment resources are best utilised to meet the dead line.
- (6) Secure traceable calibration of equipment used for chemical, mechanical and optical measurement and reporting of results.
- (7) Resolve any trouble shooting that may arise during testing process and then perform analysis of problems or trouble shooting and implement corrective actions.
- (9) Support on-line or field-testing as requested.
- (10) Upkeep equipment and suggestion for new test equipment when necessary.

- (11) Implementing a suitable and affordable various test methods.
- (12) Take precaution measures and risk assessments by following the instruction and standard operating procedures.

(1990 – 1992) Undertook a period of collaborative research and development (R&D) with Renishaw plc, a leading innovator in Science and Industry, Aerospace and Laser Interferometry.

INTERESTS:

I very much enjoy playing football, cricket, tennis, volleyball and badminton as well as keeping fit by jogging and cycling. I also enjoy reading Arabic and English literature, keeping up to date with technological developments and taking an active interest in environment and energy issues, especially integrating student day trips to nature reserves and other venues into appropriate courses. Additionally I work with disabled adults at the Al Thiqah Club in Sharjah to facilitate their integration into the wider community.

REFERENCES:

1. Dr. Saleh Awadh Aram

Executive General Manager of Hadramout Establishment of Human Development. (Former Dean of Faculty of Education and Basic Science) AlMukallah, Republic of Yemen
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2. Dr. Ray Chainy

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Wotton Under Edge,
Gloucestershire, GL 12 , UK

3. Dr. Mawil Izzidien

University of Wales, Lampeter
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4. Prof. Najeeb Abdul-Jaleel

Ajman University (AU)
Faculty of Pharmacy and Health Sciences
Head of Pharmacology Department
Dean of Medicine and Health Sciences at Hudaida University
Ex-Vice President of Academic Affairs at Hudaida University
PO.Box 346 Ajman

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5. Prof: Fahar hayati Ajman University (AU)

Dean of Faculty of Engineering

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6. Prof. Helmut Telle

University of Swansea

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7. Prof Nigel Copner

University of South Wales

Faculty of Computing, Engineering and Science

Chair of Optoelectronics

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