

CURRICULUM VITAE

PERSONAL DETAILS:

Name : Adel Yehia Ezzat Atta

Title :Dr.

Sex : Male

Religion : Moslem

Permanent Address: - 1 Answar street, Dokki, Cairo, Egypt.

Telephone: Mobile 01001571866

Email: adel.yehia@nub.edu.eg

ACADEMIC QUALIFICATIONS:

1. B.Sc., electronics & communications , Faculty of Engineering, Cairo University,1976
2. M.Sc., electronics & communications , Faculty of Engineering, Cairo university, 1983
3. Ph.D. , electronics & communications , Faculty of Engineering, Cairo university, 2004

EXPERIENCE :

1- Period : From September 1978 to July 1983

Organization: Electronics & communication Dept. , Faculty of Technology, Helwan University, Cairo, Egypt.

Job title :teaching assistant

Job Description : Help teaching (theory & Labs) of the following courses:

- Basic electricity (D.C & A.C)
- Electrical and electronic measurements
- Pneumatic & electronic control systems
- Power electronics & industrial electronics

2- Period : From September 1983 to July 1989

Organization: Electronics & communication Dept. , Faculty of Technology, Helwan University, Cairo, Egypt.

Job title :lecturer

Job Description : Help teaching of the following courses:

- Microprocessors architecture, programming and applications
- Analog/digital electronics
- Analog/digital communication
- Microwaves
- Data communication
- Computer networks

3- Period : From October 1989 to September 2000

Organization: The college of Electronics Technology, Jeddah, K.S.A.

Job title : Trainer

Job Description :

- Teaching of the following courses :
 - Basic Electricity & Measurements
 - PLCs (Siemens)
 - Microprocessor based-systems
 - Power electronics & Industrial electronics
 - Computer networks & security
 - Optical communications
 - Electronic exchanges
 - Projects supervision

B-Curriculum development for Undergraduate (in cooperation with Canada Labor Agency & GTZ):

- Basic Electricity
- Microprocessors
- Logic circuits
- Communication systems

C- Training courses delivery for Saudi Telecom. Staff (in cooperation with Feedback, Siemens, and Cisco Inc.) :

- Microwave systems
- Data communication
- Computer networks.

D- Labs developments : (in cooperation with feedback , Heathkit and Cisco Inc.) :

- Microwave Lab.
- Electronic Exchange lab.
- Computer networks lab.

Organization: GULF consultancy Group (a private company located in Jeddah)

Job title : ICT infrastructure consultant (part time)

Job description : managing numerous large scale IT networking projects :

- a- Booking module for Saudi Airlines - 1991.
- b- POS (point of sale) application for Elhalawany Group - 1993.
- c- Library application for King Abdel Aziz University - 1997.

4- Period : From October 2000 till October 2003

Organization : King Abdulaziz Military College , Riyadh, K.S.A

Job title : Lecturer , Computer Dept.

Job Description :

- Teaching & training the following courses :
 - Computer Mathematics
 - Computer networks & security
 - Projects supervision
- Curriculum training courses & Labs. development: (in cooperation with Cisco) for computer networks & security (servers, switches, routers, cabling, UPS..etc)

Organization: GULF consultancy Group (Riyadh branch)

Job title : ICT infrastructure consultant (part time)

Job description : managing numerous large scale IT projects :

- a- Hajj passengers acquisition module for ministry of Hajj - 2001.
- b- King Saud students database -2002

5- Period : From October 2003 till August 2010

Organization: Ministry of Communication and Information Technology(MCIT) /ministry of state for administrative development(MSAD) , Cairo, Egypt.

Job title : IT- eGov consultant

Job description: Consultancy and projects management for IT infrastructure for the following projects:

1. Electricity services for north delta electricity distribution company.
2. Students dorms service module for students of Helwan University.
3. Sales and income Taxation services.
4. Trains e_booking service for Egypt railway authority.
5. Mobile payment modules

6- Period : From October 2010 till December 2021.

Organization: College of Technology , Riyadh, K.S.A.

Job title : Training & Development Consultant

Job Description :

1. Development of the Kingdom three Years secondary technical institutes program (authorized by Saudi TVTC and in cooperation with Canada Labor Agency):

A- Electricity

- Industrial Electronics & measurements technician
- Communication technician
- Energy technician

B- IT

- Networking technician
- Technical support technician

C- Mechatronics

- Control technician

2- Development of the Kingdom post- secondary technical institutes program (Tech. assistant engineering- -5 years program authorized by Saudi TVTC):

A- Electricity

- Electronics & communication
- Power engineering
- Computer networking
- Biomedical

B- Mechatronics

- Control

3. Development of the following teaching units (instructor-student-lab) of the three years program:

Electricity program :

- Basic electricity
- Measurements
- Analog/digital/industrial/power electronics
- Microcontrollers.
- Microprocessors
- Analog/digital communication
- Microwaves & mobile communication
- Three phase generators/motors
- Solar power generation, storage and transmission
- Wind power generation, storage and transmission

IT program :

- Basic electricity &measurements
- Analog/digital electronics
- Microprocessors
- data communication
- IT infrastructure (LANs, WANs, Client/server, Web, WLAN)
- PCs, workstations, servers , printers , cabling, wired NIC , wireless NIC
- Networking S/W : Windows &Linux
- Networking devices (switches-routers-wireless AP-Firewalls...).

Mechatronics program :

- Basic electricity & measurements
- Analog/digital/industrial/power electronics
- Microprocessors
- Control systems
- Microcontrollers & embedded systems.
-

4. Setup for quality assurance of programs (strategic planning, academic and technical criterions with reference to internal standards) with evaluation and follow up for Exams , assignments, Labs, students projects,etc.

5. Developing and set up for recent technology training courses (renewable energy, wireless computing , 4G & LTE mobile communication, cloud computing, virtualization...etc)

6. Cooperation with the R& D unit of Saud University for developing society programs for Makkah region.
7. Automation projects sharing
 - Ariston washing machines (Factory of Bin Shiykhon, Riyadh)
 - Mitsubishi lifts(Factory of Bin Shiykhon, Riyadh)
 - Solar power generation: A three phase 500 KVA solar system for TOYOTA service station , Jeddah.
8. -Computer networking training courses delivery :Microsoft SQLSERVER – Windows Networking for Saudi Telecom. staff, Riyadh.
 - Embedded systems training courses delivery : PIC microcontrollers & applications for TOYOTA staff , Riyadh.

Period : From March 2022 to present

Organization: Nahda University, Faculty of Computer Science, BeniSuef, Egypt.

Position : Vice Dean for society services

Activities:

1. **Teaching** :computer architecture and organization , data structure , communication systems , neural networks , A.I.
2. **Projects supervision for undergraduate and for industries**
3. **Quality sharing**

PROJECT MANAGEMENT RESPONSIBILITIES

- Identifying the business requirements (AS- IS) & TO-BE & scoping.
- Issuing RFI , RFQ, and RFPs for bidders
- Evaluating bidders technically and financially
- Following up the life cycle of projects progress and time line
- Testing the quality of deliverables and how far they meet the requirements
- Resolving many issues with government partners to facilitate the implementation of the projects with vendors.
- Monitoring the operation of the deliverables and their upgrade and enhancement.
- Reviewing and issuing service support contracts with vendors to sustain the deliverables.
- Issuing license agreement with multinational vendors
- Delivering seminars in recent technologies (for example Arduino microcontrollers , transformerless solar inverters , 4G mobile , .. etc) .

COMPUTER SKILLS

All my work is computer based in the following areas :

1. Operating systems : Unix, Windows and Redhat
2. Computer Languages: Assembly, C/C++, Python and C#
3. Graphics: Softimage, and ACAD.
4. Computer Networks: Cisco switches ,outers and firewall

SCIENTIFIC ORGANIZATIONS SUBSCRIPTION:

IEEE Trans. On Image Processing
IEEE Trans. On Neural Networks
IEEE Trans. On Fuzzy Logic
IEEE Trans. On control
IEEE Trans. On intelligent systems

SEMINARS DELIVED:

1. E_government : challenges and future, Kuwait, 2004.
2. Convergence networks and IPV6 trends and assessment, Cairo University, 2005.
3. E_payment mobiles systems, Cairo University, 2008.
4. Embedded systems from theory to practice, Cairo University, 2011.
5. Microcontrollers applications in industry , Cairo University , 2013.
6. PIC microcontrollers-based I2C sensors measurement, King Abdulaziz University , 2016.
7. Arduino-based solar generation system, King Saud University , 2018.

RESEARCH FIELD:

1. “P.I.D controllers using R6502 and Intel 8080 microprocessors”
Systems and Radio Engineering Conf., Cairo, 1981
2. “A nuclear data acquisition system using z80 microprocessor”
Faculty of Eng. , Cairo Univ. , 1982
3. “Microprocessor based data acquisition systems”
M. Sc. Thesis , Faculty of Eng. , Cairo Univ. , 1983

4. "Fully adaptive high pass filters and adaptive Laplacian operator using TDLMS algorithm"
Fourth Saudi Conf. , 1995 , Faculty of Eng. , King Abdullaziz Univ. Jeddah
5. "Restoring FSK signals using GALR algorithm and FFN "
Journal of Modern Optics, England, 1998.
6. "Image denoising in soft computing framework "
Faculty of Eng. , Cairo Univ., 2004.
7. " Thin Lines filtering" , ISIMP & IEEE signal processing Conf. on multimedia, 2004.
8. E_government : challenges and future, Kuwait, 2004
9. Convergence networks and IPV6 trends and assessment, Cairo University, 2005
10. An expert system shell for testing logic circuits
Faculty of Eng. , Cairo Univ. ,2005.
10. Neural networks : concepts and applications
Faculty of Engineering, Cairo University , 20060
11. "Line to Robot fuzzy vision algorithm " , March 2008 , Faculty of Engineering , Cairo University.
12. "Microcontroller – based robot arm " , June 2012, Faculty of Eng. , Cairo University.
- 13 . " LTE physical layer implementation " , September 2016, Faculty of Eng. , Cairo University.
14. " FTTH video transmitter/receiver" , December 2020, Faculty of Eng. , King Saud , Elect. Conference, Riyadh, K.S.A.
15. " Arduino-based off- grid solar system" , September 2021, Faculty of Eng. , Cairo University.
16. " Arduino-based on- grid solar system" , March 2022, Int. Conference on Power Electronics, IEEE, Amman,. Jordan.
17. " Arduino-based solar system monitored by GSM Network", August 2023, Faculty of Eng. , Cairo University.

REFERENCES:

1. Prof. Dr. Moustafa Sadek Metwally, Electronics & Communication Dept., Faculty of Eng., Cairo University.
2. Prof. Dr. Ahmed M. Darwish, Computer Eng. Dept. , Faculty of Eng., Cairo University.