



CURRICULUM VITAE

PERSONAL DETAILS:

Name : Adel Yehia Ezzat Atta

Title :Dr.

Sex : Male

Religion : Moslem

Date of Birth :18/3/1952

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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 :

I- Period : From September 1978 to March 1983.

A. Teaching

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

Job Title : Teaching assistant

Job Description :

Help teaching the following courses:

Analog/digital electronics, basic electricity, automatic control , Electrical circuit, communications , and microprocessor based systems.

B. Medical Equipment's Maintenance (part time)

Job title : Medical service engineer

Organization : SEPEI Limited , Dokki, Giza

Job description : maintaining, troubleshooting and repair of :

- ICU (monitors, defibrillators, ventilators..)
- Ultrasound equipments (2D , M mode, Doppler..)

II- Period : From March 1983 to June 1989.

A. Teaching

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

Job Title : Lecturer

Job Description :

Help teaching the following:

electronic measurements, communications, automatic control, Electrical circuits, and microprocessor based systems.

B. Medical Equipment's Maintenance (part time)

Job title : Medical service Manager

Organization : SEPEI Limited , Dokki, Giza

Job description : Installing ICU for neonates and adults , managing the customer contracts activities and calibrating the following medical instruments :

- ICU defibrillators

- Blood analysis

III- Period : From September 1989 to June 2000

A. Teaching

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

Job Title : lecturer

Job Description :

1. Teaching the following at the electronics dept. :

Analog/digital electronics, analog, data and digital communication, transmission systems, analog/digital electronics, fiber optical communications.

2. Teaching the following at the computer dept. :

Microprocessors & applications, Database systems , computer networking , fiber optical communications.

3. Curriculum committee member in the electronics field for Saudi Technical colleges in the Saudi kingdom under the supervision of GOTEVT and was in charge of designing of two major courses:

- digital electronics
- Microprocessor based systems

4. Training courses delivery in the computer field to Saudi telecom. Staff :

- Database design(ORACLE and SQLSERVER)
- System analysis and design
- VB and C++ programming
- Network design and security

5. College network supervisor & development team leader for college automation business project.

6. Quality team member at the quality assurance unit in cooperation with the experts of the Canadian quality agency of engineering and technical education

B. ICT Consultancy

Job title : IT project manager & consultant (part time)

Organization: GULF consultancy (private company located in Jeddah)

Job description : managing numerous large scale IT projects :

- Booking application for Saudi Airlines, 1991.
- POS (point of sale) application for Elhalawany Group, 1993.
- An ERP application for Bagshan tires Group ,1995.
- Library application for King Abdel Aziz University, 1997.

IV- Period : From September 2000 to June 2003

A. Teaching

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

Job Title : lecturer at the computer and media dept.

Job Description :

1. Teaching training of the following courses :

- C++/ C# programming
- Database design & administration
- Computer networks security and management

2. MASTER Training and MASTER Trainer :

- Microsoft special license MASTER training(Windows network operating systems & SQLSERVER)
- CISCO Catalyst switches and routers MASTER training
- Delivering Microsoft and CISCO training courses to hundreds of military staff.

B. Consultancy

Job title : IT project manager & consultant (part time)

Organization: GULF consultancy Company (company branch located in Riyadh)

Job description : managing numerous large scale IT projects :

- ERP application for Commercial chamber of Riyadh in 2000.
- POS application for Almaktaba Shops in 2001.
- Hajj passengers database application for ministry of Hajj in 2002.

V- Period : From September 2003 to June 2004

A. IT consultancy and management

Organization : Ministry of Communications and Information Technology, Cairo, Egypt.

Title : IT project manager

Job Description : Consultancy and projects management for e_services, e-government program.

The following projects were under supervision:

- E_booking trains ticketing reservation system.:
Owner : Egypt National Railway, ministry of Transport
- E_booking Bus ticketing reservation system :
Owner : Superjet bus company, ministry of Investment

B -Consultancy and Training in the Military field.

- I was among a group of five consultants in electronic systems responsible for the delivery of the electronic system of M1 (assembled in military factory 200-ministry of defense). This project was in cooperation with ministry of defense and U.S company (General Dynamics).
- The engineers at the factory were delivered intensive training courses in the operation , testing, calibration and maintenance of the electronic system of M1. The project lasts for about 5 years.

C. Teaching (part time)

Organization: Cairo University , Faculty of Engineering

Teaching postgraduate students the following courses:

- Image processing

- Fuzzy logic

VI- Period : From September 2004 to August 2010

A. IT project management & consultancy

Organization : Ministry of Administrative Development , Cairo, Egypt.

Title : IT project manager

Job Description : Consultancy and projects management for infrastructure, e_services, eGov program

- Electricity services for north delta electricity distribution companies
- Students dorms service for Helwan University students.
- Sales and income Taxation services.
- Extension of e_booking project for Egypt railway authority .
- Extension of e_booking bus project for HCMLT , ministry of Investment .

B- Teaching (part time)

- Cairo University, faculty of engineering
Teaching :Image processing , neural networks and fuzzy logic
(postgraduate)
- MSA University, college of engineering
Teaching : data communication and computer networking
- October 6 University, college of engineering
Teaching : data communication and computer networking
- IAEMS

Teaching : communication circuits, electronic circuits

VII-Period : From September 2010 to June 2016

A. Teaching

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

Job Title : Assistant Professor

Job Description :

1. Teaching and students projects supervision

- **ICT Dept.**

- Computer Networks I
- Computer Networks II (CISCO & IBM training systems)
- Computer networks Security
- Data communication
- Wireless networks
- Fiber communications
- Image processing
- Microprocessors/ Microcontrollers

Projects supervision:

- VOIP
- FTTH communication
- LI-FI communication
- Arduino-based traffic system

- **Mechatronic & Autotronics Dept.**

- Microprocessors : programming , interfacing and applications
- Analog/digital electronics
- Microcontrollers programming and interfacing
- Embedded systems design and implementation
- Fuzzy logic & neural networks
- Projects supervision:
 - AVR-based Robot Arm

- Microcontroller-based wasting system
- ARM-based Fire alarm and fighting system

- **Electrical Power & Energy Eng. Dept. – Teaching the following courses:**

- Analog/digital electronics
- Power Electronics
- Industrial electronics
- Microcontrollers programming and interfacing
- Three-phase Solar generation systems : design and implementation
- Projects supervision:
 - AVR-based Wind generation system
 - ARM-based solar system monitored by GSM network.

2. **Quality team member at the quality –assurance center** in cooperation with the government Australian engineering and Technology education organization.

3. **R&D society services team member** - for automation of Saudi government and private production companies

VIII- Period : From September 2016 to present

A. IT project management & consultancy

Organization : The Expert group for consultancy and IT solutions

Title : Consultant

Job Description : Consultancy and projects management for IT projects

- Developing Computer & Electronics LABs. project, Higher Technical schools & Institutes , Ministry of Education.
- TVET2 project training consultant for MASTER training of ICT and Renewable Energy teachers , engineers and technicians.
- 27 Health service centers project, (pilot for three centers) for building the infrastructure of centers (technicians, biomedical engineers, measuring tools , electronics components...etc).

B- Teaching (part time)

- Shorouk Academy (High Institute for Engineering)
Courses:

- Electronic measurements
- Digital communication

Project supervision :

- Open BT
- Traffic monitoring

- Cairo University, faculty of engineering

Courses (postgraduate):

- Digital Image processing
- Fuzzy Logic

- MSA University, college of engineering

Courses:

- Data communication
- Computer Networks

COMPUTER SKILLS

All my work is computer based in the following areas :

1. Operating systems : Unix, Windows 7+
2. Computer Languages: Assembly, C/C++, Visual Basic, Visual C++, and C#
3. Graphics: Visio, freehand, ACAD.
4. Computer Networks: Novell, Windows NT and Windows server 2000,2003,2008
5. Database :SQLSERVER 2000, 2003,2005
6. MATLAB 10+

SCIENTIFIC ORGANIZATIONS SUBSRIPTION:

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

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.

(Only the last two recent papers are currently available)

SEMINARS DELIVED:

1. Microprocessor based P.I.D controllers
Faculty of Eng. , Cairo Univ. ,1983
2. An expert system shell for testing logic circuits
Faculty of Eng. , Cairo Univ. ,1993
3. Neural networks : concepts and applications
Jeddah Telecom. College, Jeddah, 1995
4. E_government : challenges and future, Kuwait, 2004

5. Convergence networks,IPV6 trends and assessment, Cairo University, 2005.

TRAINING :

Short / long periods IT, access control and medical systems training courses (U.S.A, South Korea, Italy, France , Switzerland, England.

REFERENCES:

1. Prof. Dr. Moustafa Sadek Metwally, Electronics & Communication Dept., Faculty of Eng.,
Cairo University.
2. Prof. Dr. Magdy Fekry, Electronics & Communication Dept., Faculty of Eng.,
Cairo University.
3. Prof. Dr. Mohammed Riyadh, Electronics & Communication Dept., Faculty of Eng.,
Cairo University.