

# CURRICULUM VITAE

(As of July 2011)

## Prof Dr Eng Ghazy Assassa

ICT & CFD expert



Doctorat d'état es Sciences, France

M. Sc., France

Certified Management Consultant CMC, UK

**Advisor to Benha University President for IT**

Chief Information Officer, Benha Univ

Strategic Planning Higher Committee, Benha Univ

**National Committee for ICT, Egypt**

[http://bu.edu.eg/portal/index.php?act=46&prof\\_id=589](http://bu.edu.eg/portal/index.php?act=46&prof_id=589)

<http://faculty.ksu.edu.sa/ghazy>

- [Executive summary](#) (Arabic + English)
- My 10 NASA/ADS-indexed research papers: [1](#), [2](#), [3](#), [4](#), [5](#), [6](#), [7](#), [8](#), [9](#), [10](#).
- [Certified Management Consultant](#) (CMC) ® from the [Institute of Management Consultancy in the UK](#).
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## ملخص السيرة الذاتية (أ.د/ غازي محمد راتب عصاصة)



### التعليم

- حاصل على درجتي دكتوراه الدولة في العلوم والماجستير في الرياضات التطبيقية من فرنسا :
- خريج كلية الهندسة جامعة القاهرة. [Université de Lyon](#) & [Ecole Centrale de Lyon](#).

### الخبرات الأكاديمية

- خبرة في التخطيط الإستراتيجي في التعليم العالي بمصر (جامعة بنها) والمملكة العربية السعودية (جامعة الملك سعود) – (3 سنوات)
- خبرة في التخطيط الإستراتيجي لنظم تكنولوجيا المعلومات في التعليم العالي – (سنة)
- خبرة في التدريس الجامعي 30 عاما منهم 14 عاما في مجال علوم الحاسب بجامعة الملك عبد العزيز وجامعة الملك سعود بالمملكة العربية السعودية
- خبرة في نظم الجودة في التعليم العالي بمصر (جامعة القاهرة) والمملكة العربية السعودية (جامعة الملك سعود وجامعة الأمير سلطان) – (سنتين)
- خبرة في وضع ومراجعة البرامج العلمية الدراسية للدراسات العليا بالتعليم العالي بمصر (جامعة بنها) والمملكة العربية السعودية (جامعة الملك سعود) - (3 سنوات).
- أستاذ دكتور منذ 1988
- مستشار وكيل جامعة الملك سعود (نائب رئيس الجامعة) للتطوير والجودة – (3 سنوات)
- مستشار رئيس جامعة بنها لتكنولوجيا المعلومات - (منذ سبتمبر 2009)
- المدير التنفيذي للمعلومات بجامعة بنها – (منذ سبتمبر 2010)
- عضو اللجنة القومية لتكنولوجيا الإتصالات والمعلومات بمصر – (منذ سبتمبر 2010)
- عضو مجلس الدراسات العليا بكلية الدراسات العليا بجامعة الملك سعود - 2006-2009
- عضو اللجنة الدائمة للبرامج العلمية بكلية الدراسات العليا بجامعة الملك سعود - 2006-2009
- عضو مجلس مركز بحوث كلية علوم الحاسب والمعلومات بجامعة الملك سعود - 2006-2009.

### الخبرات التطبيقية

- إستشاري معتمد في الإدارة العليا من معهد إستشارات الإدارة العليا ببريطانيا ( [IMC - UK](#) ) وعضو مشارك في معهد إستشارات الإدارة العليا ببريطانيا منذ 2002
- خبرة إستشارية لدى مؤسسات صناعية مرموقة بفرنسا وإيطاليا ومصر تشمل المركز القومي للبحوث العلمية بفرنسا CNRS – مؤسسة مارسيل داسو لصناعة الطائرات بفرنسا – مؤسسة سنيكما SNECMA لصناعة محركات الطائرات بفرنسا – مؤسسة الكهرباء والغاز بفرنسا –
- استشاري ببرنامج الشراكة الأورومتوسطي بمصر في برنامج تحديث الصناعة لعمل خطط عمل وتنفيذية ودراسات تشخيصية لنحو 55 شركة صناعية – (4 سنوات).

### البحوث التطبيقية

- 10 بحوث مفهولة في NASA/ADS : [1](#), [2](#), [3](#), [4](#), [5](#), [6](#), [7](#), [8](#), [9](#), [10](#)
- بحث مصنف في ScienceDirect كأعلى بحث مقروء في مارس 2006
- 60 بحثا بالإضافة إلى نحو 20 تقريرا فنيا
- الإشراف على 27 من طلبة الماجستير والدكتوراه
- باحث رئيس ومشارك في مشاريع ممولة من مركز تميز ومن مركز بحوث كلية علوم الحاسب والمعلومات بجامعة الملك سعود ومن المجلس الأعلى للجامعات المصرية.

### الإتصال

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## **EXECUTIVE SUMMARY (Prof Ghazy Mohamed Rateb Assassa)**

*Professor Ghazy Assassa has interdisciplinary specialization in many areas including Applied Computing, Computational Fluid Dynamics, Software Engineering, Quality Management, and Business Management. Besides, he has a rich management consultancy cumulative experience in more than 55 projects in multiple sectors including Strategic Management, Balanced Scorecards, Enterprise Architecture, IT and Software. His interdisciplinary knowledge, rich academic and practical backgrounds, coupled with Certified Management Consultant certification empower Professor Ghazy Assassa with the knowledge, tools, and techniques required for navigation in a turbulent and ever competing environment of today's world.*



### □ Education

- Obtained the degree of '**Doctorat d'état es Sciences**' and the degree of MSc '**DEA**' in Applied Mathematics. Both degrees are from prestigious French institutions: [Ecole Centrale de Lyon](#) & [Université de Lyon](#).
- Graduated from the Faculty of Engineering at Cairo University 1967.

### □ Academic Experience

- Experience in Strategic Planning in Higher Education in Egypt (Benha University) and in Kingdom of Saudi Arabia (King Saud University) – (3 years)
- Experience in ICT (Information & Communication Technology) Strategic Planning in Higher Education in Egypt (Benha University) – (1 year)
- Teaching Experience for 30 years at university level of which 14 years in the area of Computer Science at King Abdul Aziz University and King Saud University
- Experience in quality systems in higher education in Egypt (Cairo University) and Kingdom of Saudi Arabia (King Saud University and Prince Sultan University) – (2 years)
- Experience in designing and review of scientific programs for postgraduate level in Egypt and Kingdom of Saudi Arabia (King Saud University) – (3 years)
- Professor since 1988.
- Senior Consultant to the Vice Rector Office for Development and Quality at King Saud University, October 2006-June 2009
- Advisor to Benha University President for Information Technology - (since Sept 2009)
- Chief Information Officer (CIO) , Benha University - (since Sept 2010)
- Member of the National Committee for Information & Communication Technology in Egypt - (since Sept 2010)
- Senate member at the College of Higher Studies at King Saud University, 2006- 2009
- Member of the Permanent Committee for Scientific Programs at the College of Higher Studies at King Saud University, 2006- 2009
- Council member at the Research Center, College of Computer and Information Sciences, King Saud University, 2006- 2009.

### □ Industrial and Applied Experience

- [Certified Management Consultant](#) (CMC) ® from the [Institute of Management Consultancy \(IMC\) in the UK](#). Also Associate Member of the IMC, UK – Since 2002
- Participated in consultancy and research assignments for prestigious organizations in France and Italy including: the French National Scientific Research Center (Centre National de la Recherche Scientifique 'CNRS' ), *Avions Marcel Dassault-Breguet Aviation*, *Société Nationale d'Etudes et Construction de Moteurs d'Avions (SNECMA)*, *Electricité et Gaz de France (EDF, GDF)*, *Délégation Générale a la recherche Scientifique et Technique (DGRST)*.
- Management Consultant for some 55 client companies within the *Euro-Mediterranean Partnership Programme - Private Sector Development Programme 'PSDP'* - Egypt to

develop Business Plans, Action Plans, and Diagnosis Studies – (4 years).

□ Applied Research

- 10 NASA/ADS-indexed research papers: [1](#), [2](#), [3](#), [4](#), [5](#), [6](#), [7](#), [8](#), [9](#), [10](#).
- Research paper classified by ScienceDirect in top 25 hottest article in March 2006.
- Some **60** research publications plus some 20 technical reports.
- Supervised some 27 students work towards MSc and PhD degrees.
- Principal/associated investigator for many research grants including: the Center of Excellence in Information Assurance (CoEIA), the Research Center, College of Computer and Information Sciences, both at King Saud University, and Ministry of Higher Education, Egypt.

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website: <http://faculty.ksu.edu.sa/ghazy> & [http://bu.edu.eg/portal/index.php?act=46&prof\\_id=589](http://bu.edu.eg/portal/index.php?act=46&prof_id=589)

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## DETAILED CURRICULUM VITAE

# Prof Dr Eng Ghazy Assassa

### 1. Personal Information

Family name: Assassa  
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website: [http://bu.edu.eg/portal/index.php?act=46&prof\\_id=589](http://bu.edu.eg/portal/index.php?act=46&prof_id=589)  
<http://faculty.ksu.edu.sa/ghazy>

### 2. Education

| Institution  | Degree obtained - Date                                     |
|--|--|
| University of Lyon - Ecole Centrale of Lyon<br>Lyon, France      | “ <b>Doctorat d'état es Sciences</b> ” in CFD,<br>May 1976 |
| University of Lyon - Ecole Centrale of Lyon<br>Lyon, France      | M Sc “DEA Mathématiques Appliquées”,<br>June 1972          |
| University of Lyon, France                                       | "Maîtrise" - June 1971                                     |
| Faculty of Engineering, Cairo University,<br>Egypt               | B Eng, June 1967   |
| Advanced Gifted Students Secondary<br>School of Ain Shams, Cairo | General Secondary certificate, June 1962                   |

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### 3. Language skills

| Language | Reading   | Speaking  | Writing   |
|----------|-----------|-----------|-----------|
| Arabic   | Excellent | Excellent | Excellent |
| French   | Excellent | Excellent | Very Good |
| English  | Excellent | Excellent | Excellent |
| German   | Basic     | Basic     | Basic     |

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### 4. Membership of professional bodies:

- ❑ [Certified Management Consultant](#) ‘CMC’ from the Institute of Management Consultancy in the United Kingdom
- ❑ Associate Member of Institute of Management Consultancy, UK
- ❑ [Management Consultants Association](#) – MCA, Egypt
- ❑ Registered consultant with the IMC Programme Egypt
- ❑ National Council for Information and Communication Technology ‘ICT’, Egypt,
- ❑ Registered consultant with the x-Euro-Mediterranean Partnership Programme - Private Sector Development Programme ‘PSDP’- Egypt
- ❑ Registered consultant with the International Executive Service Corp - Center for

Business Support 'IESC – CBS', USAID programme - Egypt

- ❑ IBM Egypt Consultant Relations Program
- ❑ Microsoft VIP program
- ❑ Egyptian Engineers Syndicate, Cairo, Egypt
- ❑ Saudi Computer Society
- ❑ Communication and Information Technology Committee, NDP, Egypt
- ❑ International Society for Information Systems, Egypt
- ❑ Scientific and executive committees, the 22<sup>nd</sup>, 23<sup>rd</sup>, 24<sup>th</sup>, 25<sup>th</sup> and 26<sup>th</sup> Int'l Conferences for Statistics, Research and Computer Applications, Cairo, 1997,1998, 1999, 2000, 2001.
- ❑ International Scientific Committee of WASA.

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#### 5. Advisor to Benha University President for IT, since September 2009

- ❑ **Chief Information Officer (CIO) for Benha University**
- ❑ **Strategic Planning Higher Committee, Benha Univ**
- ❑ **National Council for ICT, Egypt, member**

The tasks associated with the above responsibilities include the following ICT projects for the Ministry of Higher Education, Projects Management Unit (PMU), Information and communication Technology Project (ICTP):

Supervising the development of the following ICT projects:

1. Director of the ICT project for “Establishing and Implementing Electronic Portal for the University”
2. Supervising the ICT project for “Developing and Implementing MIS applications in the University”
3. Supervising the ICT project for “Infrastructure Development of the university Data Center”
4. Supervising the ICT project for “Improving the Quality of Using ICT in Education (e-Courses Production)”
5. Supervising the ICT project for “ICT Training”
6. Supervising the ICT project for “Automating Egyptian Universities Libraries”
7. Supervising the ICT project for “Building Digital Repository for Universities Theses and Dissertations”.

In addition, as **Advisor to Benha University President for IT and the Chief Information Officer (CIO)** the following tasks are being served:

1. **Development and Implementation of a Balanced Scorecard (BSC) system for the university and its faculties in relation to the strategic plan.**

*“This is an application of the Balanced Scorecard to public-sector organizations where the financial measures are not the most relevant indicators for existence; instead, the relevant measures would be related to the effectiveness and efficiency of operations.”*

2. **Developing the Strategic plan for the university, as member of the higher committee for strategic planning.**

*“The task includes, identifying the university vision and mission, SWOT analysis, gap analysis, defining the strategic objectives, identifying the implementation programs and projects and associated cost, risk, impact, schedule, and key performance indicators (KPIs).”*

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## 6. Distinction and Awards

1. Graduated from the **Advanced Gifted Students Secondary School** of Ain Shams, Cairo in 1962. This is the top-level secondary school in Egypt where only the top 5 students from each educational region in Egypt may be admitted as intern students for three years.
2. Got the distinction award in Mathematics and advanced Mathematics from the Ministry of Education, Egypt, 1962.
3. Obtained the degree of **Doctor of Sciences 'Doctorat d'état es Sciences'** with honors in 1976 from the prestigious French engineering school: [Ecole Centrale de Lyon](#) & [Université de Lyon](#).
4. Has 10 NASA/ADS-indexed research papers: [1](#), [2](#), [3](#), [4](#), [5](#), [6](#), [7](#), [8](#), [9](#), [10](#).
5. Has a paper classified by ScienceDirect in top 25 hottest article in March 2006:  
<http://top25.sciencedirect.com/subject/energy/11/journal/energy/03605442/archive/7>
6. Joined the prestigious French National Scientific Research Center (Centre National de la Recherche Scientifique 'CNRS').
7. Is a [Certified Management Consultant](#) (CMC) ® from the [Institute of Management Consultancy \(IMC\) in the UK](#). Also Associate Member of the IMC, UK.
8. Participated in consultancy and research assignments for prestigious organizations in France and Italy including *Avions Marcel Dassault-Breguet Aviation*, *Société Nationale d'Etudes et Construction de Moteurs d'Avions (SNECMA)*, *Electricité et Gaz de France (EDF, GDF)*, *Délégation Générale a la recherche Scientifique et Technique (DGRST)*. He worked on many projects for some 50 client companies and worked as a registered consultant with the *Euro-Mediterranean Partnership Programme - Private Sector Development Programme 'PSDP'* - Egypt.
9. [Senior Consultant to the Vice Rector Office for Development and Quality](#) at King Saud University, October 2006-June 2009.
10. Key contributor reporting to the Vice Rector for Development and Quality for reviewing [King Saud University's 20 years Strategic Plan designed by Mackenzie Consulting](#), January-June 2009.
11. Ranked in the top 5% in the annual (2004-2009) student survey organized in the department of Computer Science, College of Computer and Information Sciences, King Saud University.
12. Advisor to Benha University President for Information Technology since Sept 2009
13. Chief Information Officer "CIO", Benha University, since Sept 2010.
14. Member of the Strategic Planning Higher Committee at Benha University, since Sept 2009.
15. Member of the National Council for Information and Communication Technology (ICT), Egypt, since Sept 2009.
16. Has supervised the top two best BSc graduation projects in the following departments, College of Computer and Information Sciences, King Saud University:
  - Building a software solution for **Balanced Scorecards**, Department of Information Systems, 2004.



- Web-based student attendance system using proximity cards, Department of Computer Science, 2005.
  - Development of health care system using smart cards, Department of Computer Engineering, 2005.
17. Has supervised the winning BSc project in the Advanced Electronic Company contest, 2008, College of Computer and Information Sciences, King Saud University.
- The winning project title: Development of SMS Encryption system
  - Five departments are competing in this contest: Computer Science, Computer Engineering, Information Systems, Computer Applications, and Electrical Engineering.
18. Has supervised the second best winning BSc project in Microsoft contest, 2005, College of Computer and Information Sciences, King Saud University.
19. Senate member of the Faculty of Computers and Informatics, Benha University, since Sep 2010.

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## 7. Key Academic Qualifications (as relevant to the College of Computer and Information Sciences and King Saud University)

### 7.1. Consulting to the office of the Vice Rector for Development and Quality, King Saud University

- Appointed as a senior consultant to the office of the Vice Rector for Development and Quality October, 2006-June 2009.
- Worked on the major assignment of **reviewing of King Saud University's 20 years Strategic Plan** that was designed by **Mackenzie Consulting** January, 2009-June 2009. This assignment included the following major tasks:
  - Proposal of seven NEW projects to support KSU strategic plan.
  - Comments on: The Discussion Documents of April 5th, 2009 & March 31, 2009
  - Comments on: Developing a High Impact Strategic Plan for 2028, including comments on:
    - Evaluation and assessment of current status
    - Analysis of internal and external trends
    - Benchmarking and Competitive Analysis
    - Best practices -Elements of a great university
    - Quick wins
    - Scenarios and strategic alternatives
    - Mission, Vision, Values
    - Organization changes
    - Strategic plan implementation – Key Performance Indicators KPIs
    - Strategic plan implementation – Risk management.
  - Discussion of the challenges that would face the implementation of KSU strategic plan, e.g., adaptability of KSU strategic plan to embrace unplanned changes in environment including new outstanding threats and new emerging opportunities as well as potential changes in benchmark metrics that might arise over the next 20 years.



## 7.2. Supervision of MSc Students

Supervised 27 PhD and MSc students including the following recent past 6 years topics at the department of Computer Science, CCIC, KSU:

1. Extreme Programming in Educational Environment, 2003-2004
2. Development of a software tool for Autistic children, 2003-2004
3. Steganalysis: Improving the F5 Algorithm, 2004-2005
4. Object Oriented Metrics, 2004-2005
5. Work Flow Management, 2004-2005
6. Software Cost Estimation, 2004-2005
7. Automated Testing, 2005-2006
8. Component Based Development, 2005-2006
9. Steganography: Experiments with Outguess Algorithm, 2005-2006
10. Stress Testing, 2006-2007
11. Automated Testing in Software Education, 2006-2007
12. Face Recognition Systems using Neural Networks, 2007-2008
13. Risk Management in Extreme Programming, 2007-2008
14. RFID Mass Detection, 2007-2008
15. Text Steganography for Arabic carriers, 2008-2009
16. Face Recognition using PCA, LDA, SVM techniques, 2008-2009
17. Software Quality using Balanced Score Cards and 6 Sigma, 2008-2009
18. Text Steganography,, running
19. Electronic "Tadawol" system in KSA Financial Market, 2008-2009
  - in cooperation with **Gulf University in Bahrain**.

## 7.3. Grants and Research Projects

### 7.3.1. Grant from the Ministry of Higher Education, Projects Management Unit (PMU), Information and communication Technology Project (ICTP), Egypt:

- Director of the ICT project for "Establishing and Implementing Electronic Portal for Benha University", Sept, 2009.

### 7.3.2. Grants from the Center of Excellence in Information Assurance, KSU

The following researches were supported by the Center of Excellence in Information Assurance (CoEIA), KSU:

- Principal investigator: Face Recognition using Evolutionary Approach, 2008.
- Co-investigator: Image Signature, 2008.

### 7.3.3. Grants from the Research Center, CCIS, KSU

**Principle investigator** of the following researches supported by the Research Center of the College of Computer and Information Sciences at King Saud University:

- Extreme Programming in Education, 2005.
- Mobile finder, 2006.

- Development of an Attendance System, 2008.

#### **7.3.4. Grants from the Egyptian Universities Council, Cairo, Egypt**

Co-investigator of a research project on MSF desalination plants. The task included modelling and computer simulation of the dynamics of MSF,

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### **7.4. University Committees**

#### **7.4.1. At the College of Computer & Information Sciences (CCIS), King Saud university (KSU), Saudi Arabia:**

1. Council of the Deanship of Higher Studies, KSU 2006-2009
  - This is the highest level KSU council in charge of higher studies within the university including PhD and MSc thesis proposals reviewing and approval.
2. Permanent Committee of Scientific Programs, Deanship of Higher Studies, KSU. 2006-2009  
This permanent committee is in responsible of the scientific programs in KSU scientific colleges. The tasks include:
  - Assessment, benchmarking and approval of the newly proposed PhD and MSc programs
  - Evaluation of running PhD and MSc programs.
3. Council of PhD programme, CCIS, 2008-2009
  - This council is responsible of all the tasks related to the joint PhD program in the college of Computer and Information Sciences; this includes: curriculum development and course specification of the Joint PhD Programme, students registration, students files evaluation, entry exams, students acceptance, qualification exams, comprehensive exams, etc.
4. Council of Research Center, CCIS, KSU, 2005-2009.
  - This council is in charge of all research activities within the college of Computer and Information Sciences; this includes: research proposals technical and financial assessment, grants approval of research proposals, monitoring approved researches via assessment and approval of progress report, technical approval of final reports of approved reports, approval of completed researches for publications, etc
5. Evaluation committee of Master Programs, CCIS, KSU.
6. PhD programme committee, CCIS, KSU.
7. Software Engineering programme committee for curriculum design of the department of Software Engineering, CCIS, KSU.
8. Information Technology programme committee for curriculum design of the department of Information Technology, CCIS, KSU.
9. Postgraduate committee, department of Computer Science, for curriculum design of the Masters and PhD programs in the department of Computer Science, CCIS, KSU.
10. BSc graduation Projects Committee, Department of Computer Science, CCIS, KSU.
11. PhD interview committee, department of Computer Science, for interviewing PhD students in view of acceptance in the PhD program in the department of Computer Science, CCIS, KSU.
12. MSc project committee, Department of Computer Science, CCIS, KSU.

#### **7.4.2. At the Faculty of Computers and Informatics**

13. Senate member (College Council), 2010-2011

**7.4.3. At the Faculty of Engineering, Shoubra, Cairo Egypt :**

14. Senate member (College Council), 1984-1988 & 1995-1999
15. Higher Studies and Research committee
16. Information Technology Committee (chairman).
17. Environment Committee.
18. Student Affairs Committee.
19. Energy committee.

**7.4.4. At the Faculty of Science, King Abdul Aziz University, Jeddah, Saudi Arabia:**

20. Senate member (College Council) , 1989-1993.
21. Higher Studies and Research committee.
22. Information Systems committee.
23. Professional Day committee.

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## 7.5. Teaching

- Taught many course at under- graduate and Post graduate levels, including the following courses in the three departments (CSC: Computer Science dept, CEN: Computer Engineering dept, and IS Information Systems dept) at the College of Computer & Information Sciences (CCIS), KSU:

**Post-graduate level**

1. CSC 540 Software Engineering 1
2. CSC 544 Software Engineering 2
3. CSC 541 Advanced Software Engineering
4. CSC 548 Software Project Management
5. CSC 547 Software Measurements
6. CSC 572 Computer Graphics
7. CSC 598 MSc Project 1
8. CSC 599 MSc Project 2
9. IS 550 Information and Application Engineering.

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**Under-graduate level**

10. CSC 342 Software Engineering
11. CSC 112 Programming 1
12. CSC 496 BSc Project 1
13. CSC 497 BSc Project 2
14. CSC 495 Selected Topics
15. IS 361 Operations Research (IS: Information Systems dept)
16. IS 496 BSc Project 1 (IS: Information Systems dept)
17. IS 497 BSc Project 2 (IS: Information Systems dept)
18. CEN 496 BSc Project 1 (CEN: Computer Engineering dept)
19. CEN 497 BSc Project 2 (CEN: Computer Engineering dept)

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- Taught many under- graduate courses at the department of Computer Science, Faculty of Science, **King AbdulAziz University:**
  20. Discrete Mathematics
  21. Systems Analysis and Design
  22. Database Design
  23. Linear Programming
  24. Computational Numerical Methods
  25. Graduation Project

- Taught many under and post graduate courses at Ecole Central de Lyon, France and INSA Lyon France
  - 26. Probability and Statistics
  - 27. Computational Turbomachinery (post graduate)
- Taught many under and post graduate courses at the Faculty of Engineering at Shoubra
  - 28. Numerical Analysis
  - 29. Computer Programming
  - 30. Systems Analysis and Design
  - 31. Advanced Numerical Analysis and Optimization (post graduate)
  - 32. Computational Fluid Dynamics (post graduate)
  - 33. Thermodynamics
  - 34. Turbomachinery
  - 35. Graduation Project

## 7.6. Curriculum Experience

- Curriculum development and course specification of the Joint PhD Programme in Computer and Information Sciences, College of Computer and Information Sciences, King Saud university. 2006 -2007.
- Curriculum development and course specification for the Software Engineering programme, Software Engineering department, College of Computer and Information Sciences, King Saud university. 2006.
- Curriculum development and course specification for the Information Technology programme, Information Technology department, College of Computer and Information Sciences, King Saud university. 2004.
- Master programme curriculum development and course specification, Department of Computer Science, College of Computer and Information Sciences, King Saud University, 2002.
- Curriculum development, Tiba Training Institute, Madina, Saudi Arabia, Feb, 2002.
- Curriculum development and course specification for undergraduate level, Faculty of Engineering at Shoubra, 1998-1999.
- Master programme curriculum development and course specification, Faculty of Engineering at Shoubra, 1998-1999.
- Curriculum and course materials development using teaching-by-objective approach for the modernization program of the Egyptian Air Force Academy. TELEMEDIA Inc.( Educational Consultants based in Chicago, U.S.A.). The task included design of course syllabi and development of student study guide, instructor guide, laboratory manuals, computer aided instruction and overhead transparencies, 1987-1988.

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## 8. Publications, Research and Scientific Activity

- |   |    |
|---|----|
| □ Research papers                                   | 60 |
| □ Recent Publications and Research Work (2008-2009) | 26 |
| □ Attended International conferences                | 30 |
| □ Ph.D. supervision                                 | 6  |
| □ M.Sc. supervision                                 | 21 |
- Has 10 NASA/ADS-indexed papers: [1](#), [2](#), [3](#), [4](#), [5](#), [6](#), [7](#), [8](#), [9](#), [10](#).
  - Has a paper classified by ScienceDirect in top 25 hottest article in March 2006 - see the list of publications below.

## 8.1. Recent 2008-2009 Publications and Research Activities (26)

1. Ghazy M.R. Assassa, Mona F.M. Mursi, Hatim Aboalsamh, " Evolutionary Eigenspace Learning using CCIPCA and IPCA for Face Recognition," ICCIT 2009 : WASET International Conference on Computer and Information Technology, Tokyo, Japan, May 27-29, (Accepted), 2009.
2. Mona F.M. Mursi, Ghazy M.R. Assassa, Hatim Aboalsamh, Khaled Al Ghathbar, "A Secure Semi-Fragile Image Authentication DCT- Based Scheme," , ICCIT 2009 : WASET International Conference on Computer and Information Technology, Tokyo, Japan, May 27-29, (Accepted), 2009.
3. Ghazy M.R. Assassa, Mona F.M. Mursi, "A Novel Method for Increasing the Embedding Capacity of Arabic Text Steganography," Egyptian Computer Science Journal (ECSJ), in press, 2009.
4. Mona F.M. Mursi, Ghazy M.R. Assassa, Abeer Al-Humaimedy , Khaled Al Ghathbar, "Face Detection and Counting in Color Images," WSEAS TRANSACTIONS ON COMPUTERS, Transactions ID Number: 32-378, (submitted for publication), April 2009.  
[http://wseas-cscc.blogspot.com/2009/03/wseas-transactions\\_4551.html](http://wseas-cscc.blogspot.com/2009/03/wseas-transactions_4551.html)
5. Hatim Aboalsamh, Ghazy Assassa, Mona Mursi, Hassan Mathkour, "Appearance-based Face Recognition using PCA and LDA Approaches," WSEAS TRANSACTIONS ON COMPUTERS, Transactions ID Number: 32-389, (submitted for publication), April 2009.  
[http://wseas-cscc.blogspot.com/2009/03/wseas-transactions\\_1105.html](http://wseas-cscc.blogspot.com/2009/03/wseas-transactions_1105.html)
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7. Hatim Aboalsamh, Hassan Mathkour, Ghazy Assassa, Mona Mursi, "Face Recognition Using Incremental Principal Components Analysis," International Computer Conference ICC 2009, University of California, Fullerton, April 2009 ,(accepted).  
<http://www.fullerton.edu/icc2009/program.html>
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<http://www.fullerton.edu/icc2009/program.html>
9. Mona F.M. Mursi, Ghazy M.R. Assassa, Abeer Al-Humaimedy, Khaled Alghathbar, "Automatic Human Face Counting in Digital Color Images", The 8th WSEAS International Conference on Signal Processing, Robotics and Automation, Cambridge, UK, February 21-23, 2009.  
<http://www.worldses.org/programs/ispra-and-sepads-2009.doc>
10. Hatim Aboalsamh, Hassan Mathkour, Ghazy Assassa, Mona Mursi, "Face Recognition using Principle Components and Linear Discriminate Analysis", The 8th WSEAS International Conference on Signal Processing, Robotics and Automation, Cambridge, UK, February 21-23, 2009.  
<http://www.worldses.org/programs/ispra-and-sepads-2009.doc>
11. Mathkour, Hassan Tourir, Ameer Hakami, Hind Assassa, Ghazy, "On the Transformation of Object Oriented-Based Systems to Component-Based

- Systems”, IEEE International Conference on Signal Image Technology and Internet Based Systems, SITIS '08, Dec 2008, pp. 11-15.  
[http://ieeexplore.ieee.org/xpl/freeabs\\_all.jsp?isnumber=4725761&arnumber=4725780&count=116&index=18](http://ieeexplore.ieee.org/xpl/freeabs_all.jsp?isnumber=4725761&arnumber=4725780&count=116&index=18) &  
<http://www2.computer.org/portal/web/csdl/doi/10.1109/SITIS.2008.77>
12. Hatim Aboalsamh, Hassan Mathkour, Mona Mursi, Sami Dokheekh, Ghazy M.R.Assassa, “An Improved Steganalysis Approach for Breaking the F5 Algorithm”. WSEAS Transactions On Computers, ISSN: 1109-2750, Issue 9, Volume 7, September 2008, pp. 1447-1456.  
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  13. Hassan Mathkour, Ghazy Assassa, and A. Baihan, ” A Risk Management Tool for Extreme Programming”, IJCSNS International Journal of Computer Science and Network Security, VOL.8, No.8, August 2008, pp. 326- 333.  
[http://paper.ijcsns.org/07\\_book/html/200808/200808046.html](http://paper.ijcsns.org/07_book/html/200808/200808046.html)  
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  14. Hatim Aboalsamh, Alaaeldin Hafez, Ghazy M.R.Assassa, An Efficient Stream Mining Technique”, WSEAS Transactions On Information Science & Applications, ISSN: 1790-0832, Issue 7, Volume 5, July 2008, pp. 1272- 1281.
  15. Hassan Mathkour, Ghazy Assassa, Abdul Almuharib and Ibrahim Kiadi, “A Novel Approach for Hiding Messages in Images,” 2009 International Conference on Signal Acquisition and Processing, (ICSAP 2009), International Association of Computer Science & Information Technology (IACSIT), Kuala Lumpur, Malaysia, April 3 - 5, 2009, pp. 89-93.  
[www.icsap.org](http://www.icsap.org) & <http://www.icsap.org/TOC%20ICSAP2009.pdf>
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<http://portal.acm.org/citation.cfm?id=1513605.1513776&coll=GUIDE&dl=GUIDE&CFID=30064187&CFTOKEN=29312073>
  17. Hatim Aboalsamh, Alaaeldin Hafez, Ghazy M.R.Assassa, “An Efficient Time Series Data Mining Technique”. Proceedings of the 12th WSEAS International Conference on Computers, Heraklion, Greece, July 23-25, 2008, pp. 950- 956.  
<http://portal.acm.org/citation.cfm?id=1513605.1513766&coll=GUIDE&dl=GUIDE&CFID=30064187&CFTOKEN=29312073>  
<http://www.worldses.org/books/2008/crete/new-aspects-of-computers.pdf>
  18. Ghazy M.R. Assassa, Hassan Mathkour, “Mobile Finder System”, Final Report RC1 427-428, CCIS Research Center, KSU, Jan 2008.
  19. Ghazy M.R. Assassa, Hassan Mathkour, Abdulmajeed Mohareb, Ahmad AlJumaa “Mobile SMS Encryption”, in process of publication, 2008.
  20. Huda Bin Sadiq, Hassan Mathkour, Ghazy M.R. Assassa, “Stress Testing Simulator (STS) Tool”, the 2nd National Information Technology Symposium, NITS'09, Riyadh, Saudi Arabia, March, 2009, 116-127.
  21. Hatim A Aboalsamh, Hassan Mathkour, Ghazy Assassa, and Abdulah Al Baihan, ” A Risk Management Tool for Extreme Programming”, the 2nd National Information Technology Symposium, NITS'09, Riyadh, Saudi Arabia, March, 2009, 86-96.



22. Alaaeldin Hafez, Alia Bahanshal, Ghazy M.R. Assassa, "Automated Testing for Students' Programs", the 2nd National Information Technology Symposium, NITS'09, Riyadh, Saudi Arabia, March, 2009, pp. 60-71.
23. Lamees Alhazzaa, Hatim AboalSamh, Ghazy M.R. Assassa, Mohamed Batouche, "Neural Network and Genetic Algorithms in Face Recognition Systems", the 2nd National Information Technology Symposium, NITS'09, Riyadh, Saudi Arabia, March, 2009, pp. 72-79.
24. Nourah A. AL-Rossais, Ghazy M.R. Assassa, "A Web-Based Workflow Management System: Modern Business Manager (MBM)", the 2nd National Information Technology Symposium, NITS'09, Riyadh, Saudi Arabia, March, 2009, pp. 48-59.
25. Alaaeldin Hafez, Ghazy M.R. Assassa, "Mining Economy Factors", the 2nd National Information Technology Symposium, NITS'09, Riyadh, Saudi Arabia, March, 2009, pp. 24-33.
26. Hassan Mathkour, Hatim Aboalsamh, Ghazy M.R. Assassa, Hmood Al Dossari, "Use of Extreme Programming in Software Engineering Education: A Pilot Study", Engineering Research Journal, Faculty of Engineering, Minoufiya University, vol 31, no. 1, January 2008, pp. 39-47.

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## 8.2. Publications

- Has **10 NASA/ADS-indexed** papers: [1](#), [2](#), [3](#), [4](#), [5](#), [6](#), [7](#), [8](#), [9](#), [10](#).
- Has a paper classified by ScienceDirect in top 25 hottest article in March 2006.
- [Recent publications \(2007-2008\) Link](#)

### Publications (60 research papers)

- Listed below 60 research papers
- Has **10 NASA/ADS-indexed** papers : [1](#), [2](#), [3](#), [4](#), [5](#), [6](#), [7](#), [8](#), [9](#), [10](#).
- Has a paper classified by [ScienceDirect in top 25 hottest article](#) in January- March 2006.  
<http://top25.sciencedirect.com/subject/energy/11/journal/energy/03605442/archive/7>

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1. [Assassa, G.](#); [Gay, B.](#), "An interaction model for predicting detached turbulent flows", Academie des Sciences (Paris), Comptes Rendus, Serie B - Sciences Physiques, vol. 281, no. 5-8, Aug. 4-25, 1975, pp. 97-100. In French.  
NASA ADS Link: <http://adsabs.harvard.edu/abs/1975CRASB.281...97A>
2. [Gay, B.](#); [Assassa, G.](#), "Analysis of the singularity near the separation point by an integral method", Academie des Sciences (Paris), Comptes Rendus, Serie B - Sciences Physiques, vol. 284, no. 22, June 13, 1977, pp. 483-486. In French.  
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3. [Assassa, G.](#); [Gay, B.](#), "Finite element solution of the von Mises equation", Academie des Sciences (Paris), Comptes Rendus, Serie B - Sciences Physiques, vol. 284, no. 24, June 27, 1977, pp. 543-546. In French.  
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4. [Assassa, G. M.](#); [Gay, B.](#), "Finite element solution of laminar boundary layers with suction or blowing and longitudinal pressure gradient", Journal de Mecanique Appliquee, vol. 1, no. 4, 1977, pp. 357-376. In French.  
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5. [Assassa, G. M.](#); [Brauner, C. M.](#); [Gay, B.](#), "A new approach to the boundary layer equations - Optimal control of the Van Mises equation by wall suction and numerical solution using finite difference and finite element techniques", Institution of Engineers, Australian Hydraulics and Fluid Mechanics Conference, 6th, Adelaide, Australia, Dec. 5-9, 1977, Paper. 5 p.  
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6. [Assassa, G. M.](#); [Gay, B.](#), "Numerical prediction of turbulent flows near the separation point", Entropie, vol. 14, May-June 1978, pp. 29-38. In French.  
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7. [Assassa, G. M.](#); [Papailiou, K. D.](#), "An integral method for calculating turbulent boundary layer with separation", ASME, Transactions, Journal of Fluids Engineering, vol. 101, Mar. 1979, pp. 110-116.  
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8. [Gay, B.](#); [Assassa, G. M.](#), "Allowance for the separated zone in the calculation of an incompressible turbulent boundary layer", Association Aeronautique et Astronautique de France, Colloque d'Aerodynamique Appliquee, 16th, Lille, France, Nov. 13-15, 1979, 92 p. In French.  
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9. [Gay, B.](#); [Assassa, G. M.](#), "Sheared zone considerations in incompressible turbulent boundary layer calculations", Association Aeronautique et Astronautique de France, Colloque d'Aerodynamique Appliquee, 16th, Lille, France, Nov. 13-15, 1979, In French.  
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10. [Anceaux, P.](#); [Assassa, G.](#); [Gay, B.](#), "Optimization of the external velocity of a turbulent boundary layer by an integral method", In: Numerical methods for engineering; Proceedings of the Second International Congress, Paris, France, December 1-5, 1980. Volume 2. (A82-18226 06-39) Paris, Dunod, 1980, pp. 845-854. In French.  
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<http://net.shams.edu.eg/ecs/vol.29No1.january2007/Breaking%20the%20F5%20Algorithm.htm>
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51. Hatim Aboalsamh, Hassan Mathkour, Ghazy Assassa, Mona Mursi, "Face Recognition using Principle Components and Linear Discriminate Analysis", The 8th WSEAS International Conference on Signal Processing, Robotics and Automation, Cambridge, UK, February 21-23, 2009.  
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<http://portal.acm.org/citation.cfm?id=1674655.1676360&coll=DL&dl=GUIDE&CFID=35380800&CFTOKEN=76912197>

55. Mona F.M. Mursi, Ghazy M.R. Assassa, Abeer Al-Humaimedy, Khaled Alghathbar "Face Detection and Count Estimates in Surveillance Color Images," Egyptian Computer Society Journal (ECSJ) ISSN-1110-2586 , Volume 31, Number 2, January 2009.

56. Hatim Aboalsamh, Ghazy Assassa, Mona Mursi, Hassan Mathkour, "Appearance-based Face Recognition using PCA and LDA Approaches," WSEAS TRANSACTIONS ON COMPUTERS, Transactions ID Number: 32-389, (submitted for publication), April 2009.

[http://wseas-cscc.blogspot.com/2009/03/wseas-transactions\\_1105.html](http://wseas-cscc.blogspot.com/2009/03/wseas-transactions_1105.html)

57. Mona F.M. Mursi, Ghazy M.R. Assassa, Abeer Al-Humaimedy , Khaled Al Ghathbar, "Face Detection and Counting in Color Images," WSEAS TRANSACTIONS ON COMPUTERS, Transactions ID Number: 32-378, (submitted for publication), April 2009.

[http://wseas-cscc.blogspot.com/2009/03/wseas-transactions\\_4551.html](http://wseas-cscc.blogspot.com/2009/03/wseas-transactions_4551.html)

58. Ghazy M.R. Assassa, Mona F.M. Mursi, "A Novel Method for Increasing the Embedding Capacity of Arabic Text Steganography," Egyptian Computer Science Journal (ECSJ), in press, 2009.

59. Mona F.M. Mursi, Ghazy M.R. Assassa, Hatim Aboalsamh, Khaled Al Ghathbar, "A Secure Semi-Fragile Image Authentication DCT- Based Scheme," , ICCIT 2009 : WASET International Conference on Computer and Information Technology, Tokyo, Japan, May 27-29, (Accepted), 2009.

60. Ghazy M.R. Assassa, Mona F.M. Mursi, Hatim Aboalsamh, " Evolutionary Eigenspace Learning using CCIPCA and IPCA for Face Recognition," ICCIT 2009 : WASET International Conference on Computer and Information Technology, Tokyo, Japan, May 27-29, (Accepted), 2009.

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### 8.3. Attended Training, Workshops, Seminars and Symposiums

- 1) *Intensive workshop for External Reviewers for accreditation, the National Authority for Quality Assurance and Accreditation of Education (NAQAAE), March 30th- April 1st, 2010.*
- 2) *Leadership in Assessment of Engineering and Technology programs, (ABET), the National Authority for Quality Assurance and Accreditation of Education (NAQAAE), February 8-10, 2010.*
- 3) *Best Practices in Education, the National Authority for Quality Assurance and Accreditation of Education (NAQAAE), December 1-3, 2009.*
- 4) *Preparation of External Auditors for Higher Education Institutions, the National Authority for Quality Assurance and Accreditation of Education (NAQAAE), November 14-18, 2009.*
- 5) *Institutional Self Evaluation for Higher Education, the National Authority for Quality Assurance and Accreditation of Education (NAQAAE), November 7-11, 2009.*
- 6) *Future of Engineering Education, Frame work and References for Improving the Engineering Education, Supreme Council of Universities, Ministry of Higher Education, Cairo University, Egypt, October 26, 2009.*
- 7) *The Second National Information Technology Symposium “NITS”, College of Computer and Information Sciences, Riyadh, Saudi Arabia, March 2009.*
- 8) *IBM UML training, Feb 2009.*
- 9) *The 19th National Computing Conference NCC, Saudi Computer Society, February 2008.*
- 10) *The 18th National Computing Conference NCC, Saudi Computer Society, 2006.*
- 11) *The First National Information Technology Symposium “NITS”, College of Computer and Information Sciences, Riyadh, Saudi Arabia, 2006.*
- 12) *IMC – EU Tendering Procedures Programme – EEMDC in Association with MCA, 2003.*
- 13) *IMC – Using LOGFRAME Methods – EEMDC in Association with MCA, 2002.*
- 14) *Quality Management in Information Technology: Current & Future Trends, IESC-CBS “International Executive Service Corps-Center for Business Support” in cooperation with Quality Assurance Institute of Orlando, April 12, 2001, Cairo.*
- 15) *ISO 9000:2000 Transition Course, IESC-CBS “International Executive Service Corps-Center for Business Support” in cooperation with Moody International Certification Ltd., March 19-20, 2001, Cairo.*
- 16) *Symposium on IT “ e-Xpand Your Business”, IESC-CBS “International Executive Service Corps-Center for Business Support” in cooperation with Gartner Group, January 22, 2001, Cairo.*
- 17) *Workshop for the ICT “Information and Communication Technology” Industry, CBI & Expolink, June 20-22, 2000, Cairo.*
- 18) *Certified Management Consultants Workshop, European Management Centre, Nov 19-20, 2000, Cairo.*
- 19) *Symposium on Distance Education by satellite, Euro- Egyptian Seminar, UNESCO – European Union, April, 1999.*
- 20) *Organized and chaired a symposium on Internet in Education and Research*



- , *The 22nd Int'l Conference for Statistics and Research, Cairo, May 1997.*
- 21) *Computer Image Processing, St. Etienne, France, 1986.*
  - 22) *Integrated Database Management Design, ICL , Baumont, United Kingdom, 1984.*
  - 23) *Transaction Machine Environment Facilities, ICL , Baumont, United Kingdom, 1984.*
  - 24) *Computational Methods, von Karman Institute, Belgium ,1974, 1977, 1978.*

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#### 8.4. Delivered Training

- **"Information Technology Project Management: An Overview"**, The Second National Information Technology Symposium "NITS09", College of Computer and Information Sciences, Riyadh, King Saud University, Saudi Arabia, March 2009.
- **"IT Project Management"**, The 19<sup>th</sup> National Computing Conference NCC19, Saudi Computer Society, Riyadh, Saudi Arabia, February 2009.
- **"IT/Software Project Management and Risk Analysis"**, The First National Information Technology Symposium "NITS06", College of Computer and Information Sciences, Riyadh, King Saud University, Saudi Arabia, February, 2006.
- **"Software Project Management and Cost Estimation"**, The 18<sup>th</sup> National Computing Conference NCC18, Saudi Computer Society, Riyadh, Saudi Arabia, March, 2006.
- "C++ programming", Delta Academy, Riyadh, Saudi Arabia, 2002.
- "Systems Maintenance", Industrial Modernization Centre-European Union, IMC-EU Egypt, 2001.

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**Positions:**

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| <b>Date from - Date to</b> | <b>Location</b>      | <b>Organization</b>  | <b>Position</b>   | <b>Description</b>   |
|----------------------------|----------------------|--|---|--|
| Sept 2010 - Present        | Cairo, Egypt         | Benha University   | Professor, Chief Information Officer "CIO"              | Project Management and technical supervision of all Information and Communication Technology (ICT) projects in the university including the following ICTP: MIS project, Portal project, Digital Network project, E-Learning project, Digital Library project, ICT Training project. |
| Sept 2009 - Present        | Cairo, Egypt         | Benha University   | Professor, Advisor to Benha University President for IT | Strategic Planning of the university needs of Information and Communication Technology (ICT) for the years 2010-2015, Awareness workshops for the university leaderships – Representing the university in National Council for ICT, Egypt,   |
| Aug 2001 - June 2009       | Riyadh, Saudi Arabia | College of Computer & Information Sciences, King Saud University                       | Professor   | Teaching & Projects supervision for undergraduate and postgraduate levels  |
| Jan. 1998 - Aug 2001       | Cairo, Egypt         | Compusite – Engineering Consultant Team  | Managing Director                                       | Management Consultancy, Training, and IT Services  |
| Oct. 1988 – present        | Cairo, Egypt         | Faculty of Engineering at Shoubra, Zagazig University                                  | Professor   | Teaching & Projects supervision for undergraduate and postgraduate levels  |
| Oct. 1988 - July 1995      | Jeddah, Saudi Arabia | King Abdul Aziz university   | Professor   | Teaching & Projects supervision for undergraduate and postgraduate levels  |
| Nov.1984 - Jan.1985        | Qatar                | Faculty of Engineering, Qatar University   | Visiting Professor                                      | Teaching undergraduate courses   |
| Feb. 1982 - Oct. 1987      | Cairo, Egypt         | Faculty of Engineering at Shoubra, Zagazig University                                  | Associate Professor                                     | Teaching & Projects supervision for undergraduate and postgraduate levels  |
| Jan. 1980 - Feb.1981       | Saudi Arabia         | King Faisal University   | Assistant Professor                                     | Teaching & Projects supervision for undergraduate and postgraduate levels  |
| Oct. 1978 - Dec. 979       | Lyon, France         | C.N.R.S. French National Center for Scientific Research - Ecole Centrale de Lyon 'ECL' | Responsible of Research                                 | Research for CNRS and SNECMA,  |
| Aug.1973- Sept.1978        | Lyon, France         | METRAFLU, Ecole Centrale de Lyon 'ECL'   | Senior Consultant                                       | Research for Ecole Centrale de Lyon, SNECMA, Avions Marcel Dassault, EDF, ONERA, ANSALDO (Italy)   |
| Oct.1972 - Sept.1973       | Lyon, France         | INSA - Institut National des Sciences Appliqués de Lyon                                | Assistant   | Teaching/ Training Mechanical Eng. students  |
| Oct. 1970- Sept.1972       | Lyon, France         | Ecole Centrale de Lyon 'ECL'   | Research Engineer                                       | Research for Metraflu  |

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## 9. Consultancy Experience

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### 9.1. Consultancy in various countries:

| Country                 | Date from - Date to  |
|-------------------------|--|
| France                  | Feb. 1970 to Dec. 1979   |
| Qatar                   | Nov. 1984 to Jan. 1985   |
| Kingdom of Saudi Arabia | Jan. 1980 to Feb. 1981<br>Oct. 1988 to July 1995<br>Aug. 2001 to present |
| Egypt                   | Feb. 1982 to Present   |

- ❑ Extensive training/education experience in engineering and management.
- ❑ Wide exposure in the design of Management Reporting Systems 'MRS'
- ❑ Particular experience in the application of Balanced Scorecard 'BSC' for measurable Key Performance Indicators that match organisation strategic objectives.
- ❑ Extensive experience in Information Technology 'IT' , MIS, and software engineering sectors including:
  - Software development for bespoke systems including analysis, design , implementation, testing and installation
  - Database applications
  - Web based systems design and development
  - Computer Aided Design and Manufacturing CAD/CAM
  - Software Quality Management Systems CMM, CMMI, ISO 9000-3, TickIT.
  - Software engineering and software/IT project management training.
- ❑ Extensive experience in Business Management in various manufacturing and services sectors including Information Technology, Engineering Industries.
- ❑ Carried out many assignments within the Euro-Mediterranean Partnership. Programme - Private Sector Development Programme 'PSDP' - Egypt including:
  - Business Diagnosis and Initial Survey Study
  - Business Analysis and Business Planning
  - Action Planning study and identification of projects to be implemented
  - Implementation of action plans.
- ❑ Carried out many industrial engineering assignments within the IMC-EEMDC.
- ❑ Project management including Planning, scheduling, monitoring and evaluation.
- ❑ Experience in Implementing Information Technology and Costing action plans projects.
- ❑ TQM 'Total Quality Management' including ISO 9000:2000 Quality System and transition from ISO 9000:94 to ISO 9000:2000 issues as well as Environmental Quality Systems ISO 14000 and HACCP.
- ❑ Consultancy Services to Mubarak Public Library for acquiring a new Library Information System covering Mubarak Public Library activities within the main branch and its satellite branches in Egypt.
- ❑ Consultancy Services to the Information and Decision Support Center, IDSC, the Cabinet, Cairo for the technical evaluation of the Advanced Library Information System, ALIS.
- ❑ Technical evaluation of the Egyptian Inter-Universities project for interconnecting the Libraries of the seventeen Engineering Faculties via a LAN/WAN and to the Internet, Engineering & Technical Education Project, Ministry of Higher Education, World Bank, Cairo. (System value LE 4,000,000).

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| <b>12.2 Consulting Experience</b> |  |   |   |  |                                   |
|-----------------------------------|--|---|---|--|-----------------------------------|
| <b>No</b>                         | <b>Organization</b>  | <b>Client Activity Sector</b>                   | <b>Consultancy Work Delivered</b>   | <b>Client Location</b>                 | <b>Date from Date to</b>          |
| 1                                 | The University President office, Benha university                        | Advisor to the university president for IT      | Director and supervisor of ICT projects including Portal, MIS, e-learning projects        | Egypt                                  | Sept 2009 - present               |
| 2                                 | The University President office, Benha university                        | Higher Education                                | Strategic Planning including SWOT, Action plans, KPIs, and Balanced Scorecard             | Egypt                                  | Sept 2009 - present               |
| 3                                 | The Vice Rector Office for Development and Quality, King Saud University | 20 years Strategic Plan Development and Quality | Review of King Saud University's 20 years Strategic Plan designed by Mackenzie Consulting | Saudi Arabia                           | Jan 2009<br>June 2009             |
| 4                                 | The Vice Rector Office for Development and Quality, King Saud University | Development and Quality                         | Strategic Management  | Saudi Arabia                           | Oct 2006<br>June 2009             |
| 5                                 | Al-Alamia  | Education/Training                              | Development of course materials for two database courses                                  | Saudi Arabia                           | Dec 2003-<br>Dec 2004             |
| 6                                 | IMC-EU Egypt   | Training  | IMC-EEMDC, Industrial Training  | Cairo, Egypt                           | Dec 2002 -<br>Feb 2003            |
| 7                                 | Delta Academy  | Education/Training                              | B Sc training   | Saudi Arabia                           | Dec 2002 –<br>Jan 2003            |
| 8                                 | King Saud University   | Education/Training                              | Education/Training  | Saudi Arabia                           | Sept 2001 –<br>June 2002          |
| 9                                 | Tiba Academy   | Education/Training                              | Curriculum development  | Saudi Arabia                           | Jan 2002 –<br>Feb 2002            |
| 10                                | Giza Food  | Food Processing                                 | PSDP, Implementation project - MIS  | Giza, Egypt                            | July 2001 -<br>November 2001      |
| 11                                | Comex  | Manufacturer of Die Cast accessories products   | PSDP, Implementation project - Costing system   | 6 <sup>th</sup> of October City, Egypt | November 2000-<br>October 2001    |
| 12                                | Comex  | Manufacturer of Die Cast accessories products   | PSDP, Implementation project - Management Information System                              | 6 <sup>th</sup> of October City, Egypt | November 2000-<br>September 2001  |
| 13                                | Khater International   | Construction                                    | PSDP, Implementation project - Costing system   | Giza, Egypt                            | November 2000-<br>July 2001       |
| 14                                | UK SMG Lead Consultant   | SMG , Inward buyer mission, Export Marketing    | PSDP, Implementation project - Website Development  | UK                                     | February 2000 -<br>March 2000     |
| 15                                | Mubarak Public Library   | Library services                                | Implementation project-Phase 1- Library MIS   | Giza, Egypt                            | May 2000 -<br>March 2001          |
| 16                                | Egyptian Timber Company  | Manufacturer of furniture and wood products     | PSDP, Business Plan Assignment  | Nobarria City, Egypt                   | June 2000-<br>April 2001          |
| 17                                | Elias Modern Publishing Company,   | Publishing of dictionaries and children books   | PSDP, Action Plan Assignment  | Cairo, Egypt                           | September 2001 -<br>November 2001 |
| 18                                | International Company for Agro-Industrial Projects                       | Food processing (Diary)                         | PSDP, Action Plan Assignment  | Sadat City, Egypt                      | August 2001 -<br>October 2001     |
| 19                                | Carpet Factory   | Manufacturer of Hand made carpets               | PSDP, Action Plan Assignment  | Giza, Egypt                            | August 2001 -<br>October 2001     |
| 20                                | Saif Pharmacy Group  | Pharmaceutical products distributor             | Implementation project, Website development   | Cairo, Egypt                           | July 2001                         |
| 21                                | Jet  | Contracting and Construction                    | Implementation project, Website development   | Cairo, Egypt                           | August 2001                       |
| 22                                | Engineering Plastics   | Manufacturer of plastic products                | PSDP, Initial Study Survey  | 6th of October City, Egypt             | May 2001                          |
| 23                                | Al Ezz Ceramic and   | Manufacturer and                                | PSDP, Initial Study   | Sadat City,                            | May 2001                          |

|    |  |  |   |                                       |                          |
|----|--|--|---|---------------------------------------|--------------------------|
|    | Porcelain  | distributor of ceramic and porcelain tiles                           | Survey  | Egypt                                 |                          |
| 24 | Daltex Information Technology                              | Information Technology services                                      | PSDP, Initial Study Survey  | Giza, Egypt                           | July 2001                |
| 25 | Alexandria Agriculture                                     | Food Processing  | PSDP, Initial Study Survey  | Nobaria City, Egypt                   | April 2001               |
| 26 | The Cabinet Information and Decision Support Center, IDSC, | Information Technology services                                      | Technical Evaluation Assignment of Library Information System               | Cairo, Egypt                          | March 1999-April 1999    |
| 27 | Ministry of Higher Education- World Bank                   | Project Management Unit - Faculties of Engineering libraries project | Bids Technical Evaluation Assignment - Faculties of Eng Library Info System | Cairo, Egypt                          | July 1998-February 1999  |
| 28 | AlAmal International Center for Management and Development | Management Training  | Management Training   | Cairo, Egypt                          | 1998 – 1999              |
| 29 | Faculty of Engineering, Zagazig University, Egypt          | Higher Education and Training  | Bids Technical Evaluation Assignment – Multi media Centre                   | Cairo, Egypt                          | Jan 1999 - February 1999 |
| 30 | Faculty of Engineering, Zagazig University, Egypt          | Higher Education and Training  | Curriculum development and course specifications                            | Cairo, Egypt                          | 1998 -1999               |
| 31 | SWIFT Group  | Shipping and Forwarding services                                     | PSDP, Initial Study Survey  | Cairo, Egypt                          | April 2001               |
| 32 | Magdi El Shoeikh Ready made garments                       | Textile: Manufacturer of Ready made garments                         | PSDP, Initial Study Survey  | 10th of Ramadan City, Egypt           | June 2001                |
| 33 | The Egyptian Company for Foreign Trade                     | Food Processing – Dairy and Juice                                    | PSDP, Initial Study Survey  | Cairo, Egypt                          | February 2001            |
| 34 | United Center for Engineering and Contracting,             | Construction and Contracting   | PSDP, Initial Study Survey  | Alexandria , Egypt                    | July 2001                |
| 35 | The International Investment Advisor, Giza, Egypt          | Financial Services   | PSDP, Initial Study Survey  | Giza, Egypt                           | June 2001                |
| 36 | Egyptian International Motors                              | Distributor and Maintenance of vehicles and building equipment       | PSDP, Initial Study Survey  | Cairo, Egypt                          | March 2001               |
| 37 | EBONY  | Manufacturer of Furniture  | PSDP, Initial Study Survey  | Alexandria , Egypt                    | July 2001                |
| 38 | ELEXIR 2   | Film Processing  | PSDP, Initial Study Survey  | Giza, Egypt                           | February 2001            |
| 39 | Abdel Hamid for Metallic Works                             | Manufacturer of Metallic Works                                       | PSDP, Initial Study Survey  | 10th of Ramadan City, Egypt           | April 2001               |
| 40 | Carpet Factory   | Manufacturer of Hand made carpets                                    | PSDP, Initial Study Survey  | Giza, Egypt                           | July 2001                |
| 41 | El Mansoura Spain for Ready Made Garments                  | Manufacturer of Ready Made Garments                                  | PSDP, Initial Study Survey  | El Mansoura , Egypt                   | July 2001                |
| 42 | South Egypt Drug Industries Company - SEDICO               | Manufacturer of Pharmaceutical Products                              | PSDP, Initial Study Survey  | 6th of October City, Egypt            | August 2001              |
| 43 | Al Ferdaws Food Industries Materials Company - FIMCO       | Food Processing  | PSDP, Initial Study Survey  | Borg Al Arab City, Alexandria , Egypt | August 2001              |
| 44 | ALPHA Cargo  | Shipping and Forwarding Services                                     | PSDP, Initial Study Survey  | Cairo, Egypt                          | August 2001              |
| 45 | Information Technology Group                               | Information Technology Services                                      | PSDP, Initial Study Survey  | Cairo, Egypt                          | July 2001                |
| 46 | El Sewedy Electrical                                       | Distributor of Electric supplies                                     | Management Information System   | Cairo, Egypt                          | December 1999-June 2000  |
| 47 | Jeddah Cable Company                                       | Manufacturer of Electricity Cables                                   | Design and Implementation of Manufacturing MIS and                          | Jeddah, Saudi Arabia                  | January 1993 - July 1995 |

|    |  |   |   |                                |                              |
|----|--|---|---|--------------------------------|------------------------------|
|    |  |   | Quality Management System   |                                |                              |
| 48 | Dr. Faquih Hospital                        | Hospital and Medical Services                 | Specification of Hospital Information System  | Jeddah, Saudi Arabia           | August 1994                  |
| 49 | El Sewedy Enterprises                      | Distributor of Electric supplies              | Selection and Implementation of MIS   | Jeddah, Saudi Arabia           | January 1993 - February 1994 |
| 50 | SAMAREK                                    | Safety Services                               | Specification of Management Information System  | Jeddah, Saudi Arabia           | July 1992                    |
| 51 | AlMajal service Master Company             | Airports and Hospitals Services               | Implementation and Support of Management Information System   | Jeddah, Saudi Arabia           | July 1989 – February 1992    |
| 52 | Faculty of Engineering, Zagazig University | Education and Training                        | Set up of Computer Centre   | Cairo, Egypt                   | 1988                         |
| 53 | TELEMEDIA Inc.                             | Training and Educational Consultancy Services | Design and implementation of Training Courses   | USA based - Cairo              | 1987 - 1988                  |
| 54 | Faculty of Engineering, Zagazig University | Education and Training                        | Specification of Computer system  | Cairo, Egypt                   | March 1985                   |
| 55 | Institute of Cardiology                    | Hospital and Medical Services                 | Specification of Computer System  | Cairo, Egypt                   | February 1984                |
| 56 | METRAFLU                                   | Consultancy and Research                      | Consultancy at Ecole Centrale de Lyon for SNECMA, Avions Marcel Dassault, EDF, GDF, DGRST, ONERA, CNRS, ANSALDO Italy | Lyon, Marseille, France, Italy | August 1973- September 1978  |

*The above list is confidential and shall not be revealed without the express permission of Professor Dr. Ghazy Assassa. Contact details will be provided upon request.*

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## References

### Contact information will be provided upon request

1. Prof Mohamed Safwat Zahran  
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3. Prof Mohamed Al AISheikh  
Dean of the Postgraduate college, King Saud University, Saudi Arabia
4. Prof Ebada Sarhan  
President, Future University, Egypt
5. Nick Warn  
Managing Director and Senior Lead Consultant, United Kingdom
6. Prof Bernard Gay  
Ecole Centrale de Lyon and Université de Lyon, France