Curriculum Vitae

Name: Mohammed Abbas Morsi Shouman
Birth date: 26/6/1954
Social state: Married, four children
Languages: Arabic and English
General Field of specialization: Industrial Engineering
Fine specialization: Operations Research and Decision Support Systems

Current Occupation: Dean of High Institute for Computer and Information Systems, 2016 till now.

E-mail: profshoman@aboukir-institutes.edu.eg

Affiliation:

1- Dean of High Institute for Computer and Information Systems, 2016 till now.
2- Self-employer 2014 -2015.
 3. On leave professor in faculty of computers and informatics, Arab Academy, Alexandria, 2013 - 2014.
3- 2.Professor of operations research and decision support system, industrial and systems engineering department, faculty of engineering, Garyounis University, Libya from 2-9-2009 till 31-8-2013.
4- 3. Dean, faculty of computers and informatics, Zagazig University, June 2006 Till 2-9 2009.
5- 4. Vice dean of student's affairs, faculty of computers and informatics, Zagazig University, November 2004 to June 2006.
6- 5. Professor of Operations research and Decision Support Systems, faculty of computers and informatics, January 2001 Till Now.
7- 6. Associate professor of Operations research and Decision Support Systems, faculty of computers and informatics, Zagazig University, September1998 to January 2001
8- 7. Associate professor of industrial and systems engineering, faculty of engineering, Zagazig University, November 1993 to September1998.
9- 8. Associate professor of industrial engineering department, faculty of engineering, Garyounis University, Libya, September 1992 to August 1996 (On Leave).
10- 9. Assistant professor of industrial engineering department, faculty of engineering, Garyounis University, Libya, October 1990 to August 1992 (on leave).
11- 10. Assistant professor of Systems Engineering, faculty of engineering, Zagazig University, 1986 to September 1993.
12- 11. Lecturer, Faculty of Engineering, Zagazig University, 1983 to June 1986.
13- 12. Demonstrator, Faculty of Engineering, Zagazig University, June 1978 to January 1983.

Qualifications:

1. Ph.D. in Industrial Engineering, Alexandria, University, June 1986.
Thesis title "On the Optimization of Resource Usage in the Project Network of Cyclic Nature".
2. M. Sc. in Industrial Engineering, Alexandria, University, February 1983.
Thesis title "A study of a general Time/Cost Relation in Network Analysis".
3. B.Sc. in production engineering, "industrial engineering", Alexandria, University, May1977.

Publications:

1. "Hospital Site Selection in Benghazi City in Libya" ", Accepted for publication in the third International Conference of IEOM Istanbul, Turkey, 2014.

2. Some Heuristic Rules for Job Shop Scheduling Problem", under publication in International Journal of AJE, Elsevier, 2013.

3. "Genetic Algorithm based on Some Heuristic Rules for Job Shop Scheduling Problem", Accepted for publication in the third International Conference of IEOM Istanbul, Turkey, 2012.

4. "Nine Heuristic Rules for Job Shop Scheduling Problem", accepted for publication in the international journal of Information Technology, 2012.

5. "Accurate Computation of Zernike Moments in Polar Coordinates", International Journal of Real Time Image Processing, Vol. 6, No2, 2011.

6. "Fast computation of orthogonal Fourier-Mellin moments in polar coordinates", Journal of Real-Time Image Processing, Volume 6 Issue 2, June 2011

7. "Informatics and Decision Support Systems in Organizations Management", first international conference for engineering technologies, Benghazi, Libya, 2010.

8. "Bus Routing Problem a Survey", first international conference for engineering technologies, Benghazi, Libya, 2010.

9. "A Tool Box Kit for Enhancing MS Project Capabilities", International Journal of ACIT, 2010.

10. "Holistic Schema Matching Techniques", the International Journal of Intelligent Computing and Information Sciences, 2010.

11. "A Comparative Study for Query Optimization Techniques: A Survey**,** Annual Conference on Statistics - Computer Science - and Operations Research, 2010.

12. "Risk and Emergency Management System (REMS)", the International Journal of Intelligent Computing and Information Sciences, 2010.

13. "Surviving Cyber Warfare with A Hybrid Multi Agent-Based Intrusion Prevention System" Volume 29, Issue No. 1, 2010, IEEE POTENTIALS.

14. "Different Features Based Identification for Offline Signature", International Arab Conference of E-Technology IACe-T, Jordan, Version 1, June, 2010.

15. "Multi-criteria Decision Assessment for Site Selection using AHP and TOPSIS", Annual Conference on Statistics - Computer Science - and Operations Research, 2010.

16. "Fast Computation of Orthogonal Fourier-Millen Moments in Polar Coordinates", International Journal of Real Time Image Processing,, Vol. 6, No. 2, pp. 73-80, 2009.

17. "A Model for Rearchitecting Frameworks". International Journal of Software Engineering (IJSE), SECC, Vol.2, 2009.

18. "A Hybrid Model for Knowledge Acquisition in Expert Systems", International Journal of Software Engineering, Version 2, 2009.

19. "Intelligent System for Worm Detection", PEDAC, 2009.

20. "A Hybrid Model Based on a Comparative Study of Knowledge Acquisition Techniques", PEDAC 2009.

21. "Software Quality Assurance Models and Expert Systems", PEDAC, 2009.

22. "Software Quality Assurance Models: A Comparative Study", Annual Conference on Statistics - Computer Science - and Operations Research, 2008.

23. "A Hybrid Model for Knowledge Acquisition based on Hierarchical Clustering Analysis", International Journal of Statistics, Interstate, 2008.

24. "A Hybrid Model for Knowledge Acquisitions Tools in Expert Systems", International Arab Conference of E-Technology IACe-T, Jordan, Version 1, June, 2008.

25. "Intelligent System for Worm Detection", International Arab Conference of E-Technology IACe-T, Jordan, Version 1, 2008.

26. "Multi-agent-Based Intrusion Prevention System", International Arab Conference of E-Technology IACe-T, Jordan, 2008.

27. "Key Establishment Protocols for Wireless Sensor Networks", International Journal of Intelligent Computing and Information Sciences, 2008

28. "Local Broadcast and Transitive Authentication Based Key Establishment Scheme for Wireless Ad-hoc Network", Egyptian Informatics Journal, 2008

29. "Ad-Hoc on Demand Authentication Chain Protocol", Egyptian Informatics Journal, 2008.

30. "GIS Software Selection Technique Based on Multi-criteria Decision Making", AEJ, 2008

31. "Chatter Prediction by Monitoring Power Consumption via an Artificial Neural Network ANN", AEJ, 2008

32. "Appraisal of some Scheduling Rules of Sequential Multi-Cell Flexible Manufacturing Systems via Simulation", SME Journal, U.S.A, 2008

33. "Industrial site selection: An intelligent GIS-based decision analysis approach", ASCE Journal, U.S.A, 2008

34. "Accurate Computation of Zernike Moments in Polar Coordinates", IEEE, Vol. 16, No. 2, pp 581-587, 2007.

35. "Integrated Rule and Specification-Based Network Intrusion Prevention System", 37th International Conference on Computer and Industrial Engineering, CIE37, 2007.

36. "Worm Detection Based On Local Victim Information Using ANN", 37th International Conference on Computer and Industrial Engineering, CIE37, 2007.

37. "Approaches to Software Rearchitecting", 37th International Conference on Computer and Industrial Engineering, CIE37, 2007.

38. "Some Heuristic Rules for Scheduling Single and Multiple Constrained Resource Projects", AEJ Journal, 2006.

39. "Genetic Algorithm for Constrained Resource Project Scheduling", AEJ Journal, 2006.

40. "Comprehensive Survey and Classification Scheme of Warehousing Systems", International Conference on Simulation and Modeling, SIMMOD, 2005.

41. " Integrating GIS and MCDM Using COM Technology" International Arab Journal of Information Technology, Vol. 2, No. 2, pp.163-168, 2005.

42. "A new Approach for solving multi-objective facility layout problem using genetic algorithm", AEJ Journal, Vol. 43, No. 4, 2004

43. "Comprehensive Classification Scheme of Warehouse Problems", International Conference on Simulation and Modeling, SIMMOD 2004.

44. "Solving the Multi-objective Machine Loading Problem of the FMSs using Genetic Algorithm", PEDAC 2004

45. "Performance appraisal of a genetic-based algorithm and some rule-oriented algorithms for FMSs scheduling", PEDAC 2004

46. "Dispatching Methodology based on Intelligent Algorithm for Flexible Manufacturing Systems", 18th International Conference on Computer Aided Production Engineering – Edinburgh, March 2003.CAPE 2003, UK.

47. " New Heuristics based on Multi-criteria for Single Machine Scheduling", 31 th International Conference on Computers and Industrial engineering, 2-4 February, San Francisco, U.S.A., 2003.

48. "Performance Evaluation of Artificial Neural Networks Software in Prediction of Hydraulic Data", Al-Alzhar Engineering Conference, 2003

49. "Artificial neural network model for form error evaluation in turning", Al-Azhar Engineering Conference, 2003.

50. "Neural Network Approach for predicting Roundness Error in Turning", 18th International Conference on Computer Aided Production Engineering – CAPE, Edinburgh, March 2003.

51. "A new Pragmatic Appraisal Criteria for the Assessment of Heuristic Projects Scheduling Procedures", AEJ Journal, Vol. 42, No. 2, 2003.

52. "Industrial Site Selection, Expert System, MCDM, and GIS: A Survey", AEJ Journal, Vol. 41, No. 6, 2002.

53. "A comprehensive classification scheme for FMSs scheduling problems", AEJ Journal, Vol. 41, No. 6, 2002.

54. "Evaluation of Dynamic and Static Dispatching Strategies for dynamically Planned and Unplanned FMS", AEJ Journal, Vol. 41, No. 4, 2002. This paper has been modified and published in the international CIRP 2003, U.S.A.

55. "On the Evaluation of Production Scheduling Techniques", AEJ Journal, Vol. 41, No. 5, 2002.

56. "Artificial Neural Networks Model for Submerged Hydraulic Jump Over Roughened Floor", Minia International Conference for Advanced Trends in Engineering, MICATE'2002.

57. "New Trends in Scheduling Techniques with Applications", International Industrial Engineering Conference, IIEC 2001, Jordan 2001.

58. "A Grouping Genetic Algorithm for Facility Layout Problem", PEDAC 2001.

59. "Intelligent Techniques for Facility Layout Problem: A Survey", PEDAC 2001.

60. "Evaluation of Some Operational Control Rules in Scheduling Flexible Manufacturing System", PEDAC 2001.

61. "Evaluation of Cellular Manufacturing Systems in the Presence of Machine Interruptions", PEDAC 2001.

62. "The Influence of Smoothing Higher Priority Resource on Lower Priority Resources in Projects Scheduling", AEJ journal, Vol. 39, No. 3, 2000.

63. "A Design of an Experimental Approach for Form Error Evaluation", AEJ journal, Vol. 39, No. 1, 2000.

64. "Effect of Buffer Capacity on Manufacturing Lead Time in Flexible Manufacturing Systems", AEJ journal, Vol. 38, No. 4, 1999.

65. "The Interactive Process between Some Dispatching Mechanisms and Interrupted Machine Centers in FMS", AEJ journal, Vol. 38, No. 4, 1999.

66. "New Heuristics for Scheduling Single Constrained Resource Projects", AEJ journal, Vol. 38, No. 3, 1999.

67. "The Combined Interactive Process between Material Handling Systems and Dispatching Mechanisms in FMS", AEJ journal, Vol. 38, No. 1, 1999.

68. "Computer Aided Interactive Process Planning for Turning (CAIPP)", AEJ journal, Vol. 37, No. 1, 1998.

69. "A New Approach to Schedule Projects of Single Constrained Resource Consideration", AEJ journal, Vol. 36, No. 4, 1997

70. "On the Computer Aids in Heat Treatments of Carbon, Alloy, Tool, and Stainless Steel", EJEST journal, Vol. 1, No. 1, 1997.

71. "Mathematical Programming Replica for Some Industrial Application in GSPLAJ", EJEST journal, Vol. 1, No. 2, 1997

72. "Effect of Cutting Parameters on Roundness of Turned Components, part II: Development of empirical relations", AMSE journal, modeling, measurement and control, B, Vol. 63, No. 3, France, 1996.

73. "Effect of Cutting Parameters on Roundness of Turned Components, part I: Experimental study", AMSE journal, modeling, measurement and control, B, Vol. 63, No. 3, 1996.

74. "Experimental Study for Optimization Some Geometrical Features for Turned Components of Some Alloyed Steels" AMSE journal , modeling, measurement and control, B, Vol. 63, No. 2, France, 1996.

75. "Economical Study for Passenger's Transportation over Some Traffics in Benghazi City", AMSE journal, modeling, measurement and control, B, Vol. 54, No. 10, France, 1993.

76. "Algorithms for Form Error Evaluation", AMSE journal, modeling, measurement and control, B, Vol. 48, No. 4, France, 1993.

77. "Variation Margin of Roundness Identification at Specified Machinability Statement for Copper and Brass", AMSE journal, modeling, measurement and control, B, Vol. 47, No. 3, France, 1993.

78. "Computer Usage for Development A Heuristic Approach for Scheduling CPM Projects", PEDAC, Egypt, 1992.

79. "Scheduling Natural Gas Projects in Egypt using CPM and its Time Cost Trade-Off", Journal of faculty of engineering, Alexandria university, 1991.

80. "An Algorithm for Compression Double Constrained Resource Problem", 6th international conference on computer aided production engineering, Edinburgh, UK, 1990.

81. "A Mixed Integer Linear Programming Model for A Time-Cost Trade-Off", Journal of optimization and information systems, India, 1990.

82. "On the Expected Cost for Transportation of Discrete Random Variables: part II, Simulated numerical example", 1st International industrial engineering conference, Benghazi, Libya, 1990.

83. "Computerized Aids for the Design of Machine Elements and Parts", Joint international meeting, Peking, ASME journal, China, 1989.

84. "On the Expected Cost for Transportation of Discrete Random Variables: part I, Theoretical approach", PEDAC, Egypt, 1989.

85. "A Statistical Comparative Analysis for Multiple Routes and Transportation Means", Joint international meeting, journal of AMSE, Istanbul, Turkey, 1988.

86. "An Optimum Approach for Hitchcock Problem of Multiple Routes and Transportation Means", Joint international meeting, journal of AMSE, Istanbul, Turkey, 1988.

87. "A Comparative Study for Cyclic Project Networks", International conference, PEDAC, Egypt, 1986.

88. "A Resource Allocation Procedure for Cyclic Project Networks", International conference, PEDAC proceedings, Egypt, 1986.

89. "Optimum Resource Usage for a Cyclic P.N.W. under Resource Mode -A-" 10th annual Oper. Res. conference, Egyptian journal of Oper. Res. and statistics, Egypt, 1985.

90. "Project Planning with PERT and CPM", Technical report, Library of production engineering department, Alexandria, university, Egypt, 1984.

91. "Resource Usage Optimization of Project Network under Budget Constraint", 9th annual Oper. Res. conference, Egyptian journal of Oper. Res. and applied statistics, Egypt, 1983.

92. "Optimum Resource Allocation in Project Networks with Convex Time Cost Function", Joint national meeting, San Diego, California, Journal of ORSA/TIMS, USA, 1982.

93. "An Algorithm for Optimum Resource Usage in Deterministic Activity Networks", 8th annual operations research conference, Egyptian journal of Oper. Res. and applied statistics, Egypt, 1982.

Link of Research papers

Books:
1. Statistical inferences and SPSS walkthroughs, 2003, ISBN 1910.
2. Basic Statistics and SPSS walkthroughs, 2003, ISBN 1909.
3. Quantitative management, 2003, ISBN 1911.
4. Operating Systems, 2003, ISBN 1908.
5. Engineering Economy, 2001, ISBN 1765.
6. Project Management workbook, 2001, ISBN 1764.

Students who finished their M. SC. degrees under my supervision:
1. Hanaa Mohamed Hamza, "Automatic Signature Verification System", faculty of computers and informatics, Zagazig University, 2011.

2. Asmaa Ahmed Hamed, "On Heuristic Query Optimization", faculty of computers and informatics, Zagazig University, 2011.

3. Hayam Mohamed Abdel-salam, "Exact Moment in variants Computations and Applications", faculty of computers and informatics, Zagazig University, 2011.

4. Marwa Khashaba, "Assessment of Wireless Mesh Network Routing Protocol (MRP)", faculty of computers and informatics, Zagazig University, 2010.

5. Lamyaa Selim Mohamed Fathi, "An Automated Schema Matching Techniques and its Relation with Machine Learning", faculty of computers and informatics, Zagazig University, 2010.

6. Nora Zaki Abdel-Fatah, "Recent Techniques in Spatial Data Mining", faculty of computers and informatics, Zagazig University, 2010.

7. Shaimaa Mohamed, "Crisis and Risk Management Assessment Tools Comparative Study", faculty of computers and informatics, Zagazig University, 2010.

8. Eman Samir, "Decision Making Assessment for Site Organization Selection", faculty of computers and informatics, Zagazig University, 2010.

9. Al Shaima Tantay , " Software Quality Assurance Models: A Comparative Study", faculty of computers and informatics, Zagazig University, 2009.

10. Nissreen Elsaber, "A Method and Tool Support for Software Architecting Activities", faculty of computers and informatics, Cairo University 2009.

11. Ayman Mohamed Mostafa, "Recent Techniques in Knowledge Acquisition", faculty of computers and informatics, Zagazig University, 2009.

12. Soaad Mohamed Naguib, "An Intelligent Decision Support System for GIS Software Selection", faculty of computers and informatics, Zagazig University, 2009.

13. Amani Salah, "Multi-agent-Based Framework for Network Intelligence and Intrusion Prevention", faculty of computers and informatics, Ain Shams University, 2009.

14. Heba Zaki, "An Intelligent System for Tracking Network Attacks", faculty of computers and informatics, Cairo University 2009.

15. Elshaar, R., "Multi-objective Facility Layout Problem using Genetic Algorithm" ,Industrial engineering department, Faculty of Engineering, Zagazig University, 2003.

16. Shaala, A.A., "Scheduling techniques in industrial project management", production engineering department, faculty of engineering, Suez Canal university, Egypt, 1999.

17. El-shutshat, T.H., "Evaluation of some dispatching rules for scheduling flexible manufacturing systems", Industrial engineering department, faculty of engineering, Garyounis university, Libya, 1997.

18. Bozied, A.M., "On the prediction of some form errors of turned components of high carbon steel at different length by diameter ratios", Industrial engineering department, faculty of engineering, Garyounis university, Libya, 1996.

19. Amatik, S.M., "Computer aided interactive process planning system for turning", Industrial engineering department, faculty of engineering, Garyounis university, Libya, 1994.

20. Shahin, A.A., "Determination of out-of-roundness of turned components", Industrial engineering department, faculty of engineering, Garyounis university, Libya, 1993.

21. El-Moez, A. E., "Scheduling projects under constrained resource problem", Industrial and production engineering department, faculty of engineering, Zagazig University, Egypt, 1991.

22. Elmahalawi, M.A., "Optimum compression of project networks", Industrial and production engineering department, faculty of engineering, Zagazig University, Egypt, 1990.

Students who have been registered their M. Sc., degrees under my supervision

1. Mona Gamal Mohamed, "A Bayesian Networks for Data Mining in Bioinformatics Data Base", faculty of computers and informatics, Zagazig University, 2006.

2. Amira Mohamed Faouzy, "Intelligent Search Techniques in Expert Database Systems", faculty of computers and informatics, Zagazig University, 2006.

3. Shereen Zaki, "Solving the Redundancy Allocation Problem Using a Combined Neural Network and a Genetic Algorithm Approach", faculty of computers and informatics, Zagazig University, 2007

4. Hasnaa Hamed, "The Investigation of the Dynamics of Organization by Exploiting the System Approach", faculty of computers and informatics, Zagazig University, 2007.

5. Wafaa Tawfik, "Investigation of the Organization Equilibrium by System Thinking Approach", faculty of computers and informatics, Zagazig University, 2007.

6. Sumaia Esheem, "A Contemporary Approach for Scheduling Job Shop Problem", Industrial engineering and manufacturing systems department, faculty of engineering, Garyounis university, Libya, 2010.

Khadiga "Supply chain management", Industrial engineering and manufacturing systems department, faculty of engineering, Garyounis university, Libya,, 2010.

Students who finished their PhD. degrees under my supervision

1. Saber Elhelaly, "Intelligent Computing Optimization", faculty of computers and informatics, Zagazig University, 2009.

2. Hend, "Job shop scheduling Techniques", faculty of engineering Alexandria university, 2010.

3. Walid Khedr, "Secure and Efficient Key Management in Ad-Hoc Networks", faculty of computer and informatics, Ain Shams university, 2008.

4. Elfrjany, A., "Scheduling Techniques in Project Management", faculty of engineering, Zagazig University, Egypt, 2007.

5. Boshaala, A. A., "Scheduling Techniques in Warehouse Problem", Industrial Engineering Department, faculty of engineering, Zagazig University, Egypt, 2007.

6. El-Baz, A., "Environmental systems analysis and management", environment engineering department, faculty of engineering, zagazig University, Egypt, 2005.

7. El-darandaly, K., "Intelligent information system for multi-criteria of decision making", Industrial and systems engineering department, faculty of engineering, Zagazig university, Egypt, 2004.

8. El-Sayed, A.E., "An expert system for form error evaluation", Industrial and production engineering department, faculty of engineering, Zagazig university, Egypt, 2004.

9. Abd ElFatah, M., "Dispatching Strategies-based system configuration in Flexible Manufacturing Systems", Industrial and systems engineering department, faculty of engineering, Zagazig university, Egypt, 2004.

10. Sadek, A., "Interactive process between dispatching mechanisms and route flexibility for interrupted machine centers in FMS", Industrial and production engineering department, faculty of engineering, Zagazig university, Egypt, 1997.

Short Course Revolutions

1. "Short training course in Primavera" Alexandria university, 2003-2004, 2004-2005, 2005-2006, 2006-2007

2. "Human Resource Management", Arab Academy for science and technology and maritime transport, 2002-2003, 2003-2004, 2004-2005

3. "Project Management Techniques", El EZZ Steel Company, 2002.

4. "Production management and planning", Libyan corrosion society, Benghazi, Libya, 1994.

5. "Planning of industrial projects", Libyan corrosion society, Benghazi, Libya, 1994.

I have shared in the following projects

1. "Tempus project for Faculty of Computers and Informatics for Establishing ICT Technology for Sharkia Governate" 2008

2. "Feasibility study for Faculty of Computers and Informatics branch in Kwit" 2008

3. "A prototype product for enhancements the performance and capabilities of MS project and Primavera" ITIDA 2007.

4. "Design and prepare of the new regulation for the faculty of computers and informatics in Zagazig university based on ACM rules" New Programs 2005-2006.

5. "Establishment the center of excellence of GIS application and Modeling in Zagazig University"2004-2005

6. "Design and prepare of the new regulation for the faculty of computers and informatics in Zagazig university based on ACM rules" 2003-2004.

7. "Proposal of training courses presented by University centers in the aim of budgeting the research work of the university" Steering committee of Zagazig University, 2001.

8. "Determination of the requirements of software and hardware for faculty of computers and informatics", faculty of computers and informatics, Zagazig university, Egypt, 1999.

9. "Proposing the courses syllabi of the new internal regulation for both post and under graduate studies in industrial and systems engineering department", faculty of engineering, Zagazig university, Egypt, 1997-1998.

10. "Optimum production rate for pipes manufacturing ", Pipes factory, Benghazi, Libya, 1996.

11. "Optimum mails distribution in Benghazi", Public Mail Company of Benghazi, Libya, 1996.

12. "Calibration of some measuring instruments", consulting office of Garyounis University, Garyounis University, Benghazi, Libya, 1996.

13. "Removing the rushing on traffic inside and/or outside Garyounis university area", Garyounis consulting office, Garyounis university, Benghazi, Libya, 1994-1995.

14. "Optimum production rate of Benghazi feed factory", Benghazi feed factory, Benghazi, Libya, 1994.

15. "Optimum transportation cost for distribution of Boatiny products in GSPLAJ", Boatiny factory of soft drinks, Benghazi, Libya, 1993.

16. "Optimum production rate for steel bars manufacturing ", Iron and steel complex of Musrata, Musrata, Libya. 1993.

17. "Scheduling and resource allocation with limited resource statement for building network construction of international shipping company", Pre-fabricated housing company, Benghazi, Libya, 1992-1993.

18. "Determination of static and dynamic machining conditions for center lathe machines: type Harrison 600", Workshop laboratory, faculty of engineering, Garyounis University, Benghazi, Libya, 1991-1992.

19. "A regular structure system over some traffic in Benghazi city for passenger's transportation", General public transportation company, Benghazi, Libya, 1990-1991.

20."Scheduling the natural gas projects in Egypt using CPM techniques and its time-cost trade-off", Natural gas company of Egypt, Egypt, 1987-1989.

21. "A data base study, analysis, computerizing, and reporting of stock control, banking, and payroll system", A computer package, Ragab company for importing and exporting, Egypt, 1984-1985.

22. "A data base study, analysis, computerizing, and reporting of stock control, banking, and payroll system", A computer package, Sima company for sweet, Egypt, 1984-1985.

23. "A study for creating and improving touring programs", A computer package, Ministry of tourism, Egypt, 1983-1984.

24. "A data base study for computerizing the Justness ministry", National project, Ministry of Justice, Egypt, 1981-1983.

25. "Fundamental rules and basics necessary for computer's usage in Egypt", National project, Centralization public authority for management and organization, Egypt, 1980-1982.

Awards

1. I had the first rank allover Egypt in Microsoft Imagine Cup competition in 2009 and entering the international competition in 2009.

2. I had LE 10000 as a fund (upper limit) for Imagine Cup, graduation project from ITAC 2009.

3. I had LE 10000 as a fund (upper limit) for Window NT Security, graduation project from ITAC 2009.

4. I had LE 10000 as a fund (upper limit) for Management of PC through Voice, graduation project from ITAC 2009.

5. I had LE 570000 as a fund for " A prototype product for enhancing Ms project capabilities through an Integrated tool box Kit", project from ITAC 2008

6. I had LE 10000 as a fund (upper limit) for Mobile Social Network, graduation project from ITAC 2008.

7. I had LE 4000 as a fund for "Social internet Network" Nahdet Maser Society, 2008.

8. I had LE 10000 as a fund (upper limit) for Mobile Administration of Remote System (MARS) graduation project from ITAC 2007.

9. I had LE 40000 as a fund for robocon competition for graduation project, 2007

10. I have certified from who is who in science and engineering, USA for 2006.

11. I have certified from who is who in the world in USA for 2004.

12. I had award form ESRI 25 free licenses for ArcGIS for Zagazig University 2003.

13. I have a post doctor chance in 2000-2001 academic years from Zagazig University.

14. During my postgraduate study I had award for Ph.D. thesis from Zagazig University from 1983-1986.

15. During my under graduate study I had awarded of distinction level from 1972-1977.

Membership of professional Bodies:

1. Member in the Egyptian Syndicate of Engineers.

2. Member of the Arab Society for Management science, Cairo.

3. Member of the Egyptian Computer Science Society

4. Founder Member in the Egyptian Operations Research Applications Society, Cairo.

![High Institute For Computer & Information Systems header]

أبو قير
H.I.C.I.S

وزارة التعليم العالي
المعهد العالي للحاسب الالي ونظم المعلومات

High Institute For Computer & Information Systems

5. Founder Member of Alexandria Operations Research and Scientific Management Society.

6. Member in the Egyptian Society for Software Engineers.

7. Member in A.M.S.E France.

8. Member in PJOR, Pakistan.

9. Member of scientific committee of E-JUST, Japan.

10. Member of scientific committee of e-IAJT, Jordon.

11. Member in IT sector of the supreme council of Universities of Egypt for promotion of professors and associate professors.

Interest research area

1. Industrial engineering and production planning and management.
2. Mathematical modeling and computer applications.
3. Network analysis.
4. Project Management.
5. Supply chain management and transportation problem.
6. Implementation and design of simulation models.
7. Inventory models and total quality management.
8. Scheduling techniques.
9. CAD/CAM and CAPP techniques.
10. Flexible manufacturing systems.
11. Experimental design techniques.
12. Expert systems and artificial intelligent techniques.
13. Form error evaluation.
14. Facility layout planning and design.
15. Artificial intelligent techniques.
16. Intelligent information systems.
17. Hybrid systems based optimization techniques.
18. Genetic and evolutionary algorithms.

Useful links

1- http://garyounis.academia.edu/MohamedShouman/Papers
2- http://www.fci.zu.edu.eg/facultyandstaff/DrShouman.html
3- http://www.facebook.com/#!/photo.php?v=2458977827392
4- http://www.facebook.com/#!/profile.php?id=1040529504
5- http://www.eupc.edu.eg/Scientificcommittees_2012_2015.aspx

Teaching Courses:

Courses I have been Assist in and teaching in Zagazig University for both under graduate and
postgraduate programs

1-Engineering drawing.

2- Machine and assembly drawing.

3- Basics of production Engineering.

4-Machining processes.

5- Machine tool design.

6- Operations research.

7- Simulation techniques.

8- Production Planning and control.

9- Facility planning and layout.

10- Scheduling techniques.

11- Engineering economy.

12- Production management and organization structure.

13-Project management and control by network analysis.

14- Probability and statistics.

15- Technical organizational behavior.

16- Basic, FORTRAN, and C languages.

17- Introduction to computer science.

18- System analysis and design.

19- Management information systems.

20- Work study and measurement.

21- Metrology and quality control.

22- Inventory models and control.

23- Time series and forecasting techniques.

24- Introduction to management science.

25- Introduction to system science.

26- Modeling and simulation.

27- Decision support systems.

28- Statistical inferences.

29- Organizational behavior.

30- Office automation.

31- Artificial intelligence techniques.

32- Goal programming.

33- Nonlinear programming.

34- Human resource management.

35- Technical report writing.

Courses I have been teaching in Garyounis University for both under and post graduate programs.

1-Engineering drawing.
2- Machine and assembly drawing.
3- Workshop technology.
4-Manufacturing processes I.
5-Operations research I.
6-Operations research II.
7- Advanced operations research.
8-Projects scheduling techniques.
9-Project management and control by network analysis.
10- Probability and statistics I.
11- Advanced probability and statistics.
12- Technical organizational behavior.
13- Advanced techniques in industrial engineering.
14- Flexible manufacturing systems.
15- Advanced mathematical programming.
16-Industrial engineering systems design I.
17-Industrial engineering system design II.
18- Forecasting techniques.
19- Engineering economy and marketing.
20- Human resource management.
21- Facility design and layout
22- Production Scheduling
23- Maintenance Engineering Systems
24- Technical report writing

Courses I have been teaching in Alexandria University for under graduate studies.

1- Project management.
2- Management of projects and characterization.
3- Engineering economy and marketing.
4- Engineering economy.
5- Management of projects and organization.

Conferences that I have been attended:

1- 8th annual operations research conference, Egypt, 1982.
2- Joint national meeting in San Diego of ORSA/TIMS, California, USA, 1982.
3- 9th annual operations research conference, Egypt, 1983.
4- 10th annual operations research conference, Egypt, 1986.
5- 3rd international PEDAC conference, Egypt, 1986.
6- 3rd international AMSE conference, Turkey, 1988.
7- 4th international PEDAC conference, Egypt, 1989.
8- 4th international AMSE conference, China, 1989.
9- 1st international conference, of industrial engineering, GSPLAJ, 1990.

10- 6th international conference of computer aided production engineering, Edinburgh, UK, 1990.

11- 5th international PEDAC conference, Egypt, 1992.

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Hopis:
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