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Curriculum Vitae

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1-PERSONAL INFORMATION

Date of Birth: 5 September 1959

Gender: Male

Marital Status: Married

Nationality: Egyptian

Military Service: October 1982- January 1984 as a Reserve Military Capitan.

2-EDUCATION:

Doctoral Degree: Institute National Polytechnic of Lorraine (INPL), Nancy, France, 1 April 1993.

TITLE of THESIS: "Comparison of Architecture of Processors in Order to Control Electrical Machines: Real Examples"

Master Degree: Faculty of Engineering, Minoufiya University, Egypt, 6 February 1988.

TITLE of THESIS: "Microprocessor's control PWM inverters"

B.sc. Degree: Faculty of Engineering, Minoufiya University, Egypt, May 1982(Excellent with Honor Degree).

3-ACADEMIC POSITION

Professor of Power Electronics since 28 June 2006

Associate Professor in Faculty of Engineering at 26 November 2000

Lecture in Faculty of Engineering at 4 June 1994

Assistant Lecture in Faculty of Engineering at 30 April 1988

4-EXTERNAL POSITION

Super Visor of Minoufiya Training Center from 31 July 2002 until 25 December 2005.

Super Visor of General Service Center, Minoufiya University from 15 July 2006 until 14 March 2011.

Dean of Canal Higher Institute of Engineering and Technology during 2013-2014.

Vice Dean of Faculty of Engineering, Shebin El Kom for Post Graduate and Research since 4 December 2014.

5- List of Scientific Publications

- [1] **A.S.ZEIN EL DIN, A.A.MOHAMED, A.AZZAM**, "Induction Motors Operating From PWM Inverter", proceedings intern, AMSE Press. <<Modelling&Simulation>>, Istanbul (Turkey), June 29-July 1, 1988, AMSE press, vol. 2 c, pp.51-62
- [2] **A.S.ZEIN EL DIN, A.AZZAM, K.EI BEDWEHI**, "Digital Simulation of Linear Frequency Variation Induction Motor Fed by Sinusoidal Wave Speed Control by Using Microprocessor Technique", proceedings intern, AMSE Press. <<Modelling & Simulation>>, Istanbul (Turkey), June 29- July 1, 1988, AMSE press, vol. 2 c, pp.63-71
- [3] **A.S.ZEIN EL DIN, A.AZZAM, K.EI BEDWEHI**, "Speed Control of 3-phase Induction Motor Fed by Regular Symmetric PWM Inverter and Linear Frequency Variation", proceedings intern, AMSE Press. <<Modelling&Simulation>>, Istanbul (Turkey), June 29-July 1, 1988, AMSE press, vol. 2c, p.73-87
- [4] **A.S.ZEIN EL DIN, A.AZZAM, K.EI BEDWEHI**, "Digital Simulation of 3-phase Induction Motor Fed by Regular Symmetric PWM Inverter", Proceedings Intern, AMSE Conf. <<Modelling&Simulation>>, Istanbul (Turkey), June 29-July 1, 1988, AMSE press, vol. 2c, pp.89-98
- [5] **A.S.ZEIN EL DIN, A.AZZAM, A.EL HEFNAWY**, "Simulation of Microprocessor Closed Control of Induction Motor Fed by Optimum PWM Inverter Drives", proceedings Intern, AMSE Confer. <<signals&systems>>, Rabat (Morocco), April 9-11, 1990, vol. 2, pp.77-96
- [6] **A.S.ZEIN EL DIN, J.F.AUBRY, B.MAZARY, P.MALEUS**, "Comparaison d'Architectures Pour La Commande d'un Cycloconvertisseur", SEE, Journees d'Etudes, 21-22 Octobre 1992 à SUPELEC à Metz, France, pp.53-61
- [7] **A.S.ZEIN EL DIN, J.F.AUBRY, S.A.MAHMOUD**, "Digital Closed Loop Control of d-c Motor Fed by d-c to d-c Chopper Using Microcontroller and ASIC Circuits", IFAC/ IMACS/ IEEE/ IUTAM Workshop on Motion Control for Intelligent Automation, Peurga, Italy, October 27-29,1992, pp.II_129-II_134
- [8] **A.S.ZEIN EL DIN, J.F.AUBRY, S.A.MAHMOUD**, "32 Bits High Performance Single Chip Microcontroller MC68332 for the Control of Cycloconverter", IEE, EPE, 5th European Conference on Power Electronics, Brighton, Volume 4.,1993, pp.53-58.
- [9] **A.S.ZEIN EL DIN, J.F.AUBRY, S.A.MAHMOUD**, "A Classification and Comparison of Microprocessors, Microcontrollers, DSP, RISC, Transputers and ASIC", AEIC'93, Al-AZHAR Engineering, Egypt, Third International Conference, December 18-21,1993, pp.1-12.

- [10] **A.S.ZEIN EL DIN, J.F.AUBRY, S.A.MAHMOUD**, "Digital Simulation of Optimum PWM Inverter Control Asynchronous Motor", Menoufiya University, Faculty of Engineering, Shebin El-kom, Engineering Research Bulletin, Vol. 17, Part 1, 1994, pp.153-170.
- [11] **A.S.ZEIN EL DIN, S.A.MAHMOUD**, "Efficient Microcontroller-Based Cycloconverter Control for Universal Motor", IECON'94, 20th International Conference on Industrial Electronics, Control and Instrumentation, Bologna, Italy, September 5-9, 1994., pp.532-535.
- [12] **A.S.ZEIN EL DIN, J.F.AUBRY, S.A.MAHMOUD**, "High Performance Single Chip Microcontroller MC68332 in the Application of cycloconverter Control", IASTED, Computer Applications in Industry, Cairo, Egypt, December 26-29, 1994, pp.417-420.
- [13] **A.S.ZEIN EL DIN, S.A.MAHMOUD**, "Study of Low Harmonic Cycloconverter fed Single Phase Induction Motor", Third International Conference on Artificial Intelligence Applications, Cairo, Egypt, January 4-7, 1995, pp.430-441
- [14] **A.S.ZEIN EL DIN, J.F.AUBRY**, "High Performance ASIC Circuit for a Three-Phase Controlled Bridge fed Static or Dynamic Load", EPE Journal, Vol.5, no.1, March 1995, pp.19-22.
- [15] **A.S.ZEIN EL DIN and A.E.LASHINE**, "Microprocessor-Controlled Voltage Stabilizer", ISIE'95, IEEE International Symposium on Industrial Electronics, Athens, Greece, July 10-14 1995, vol. 2, pp.855-860.
- [16] **A.S.ZEIN EL DIN, A.A.MOHAMED, A.E.AZZAM and m.A.BISHER**, "A Microprocessor High Resolution Rotor Position Sensor", Egypt, MEPCON'96, January 3-5, 1996, pp.367-371.
- [17] **A.S.ZEIN EL DIN, M.E.EL-SHEBINY, M.M.KHATER**, "Microcomputer-Controlled Universal Motor", Engineering Research Bulletin, ISSN 1110-1180, Menoufiya University, Faculty of Engineering, Shebin El-Kom, Egypt, Volume19, Number2, May-June 1996, pp.157-167.
- [18] **A.S.ZEIN EL DIN**, "High Performance PLC Controlled Stepper Motors in Robot Manipulator", IEEE International Symposium on Industrial Electronics ISIE'96, Warsaw, Poland, June 17-20, 1996, pp.974-978.
- [19] **A.S.ZEIN EL DIN, M.A.EL-FARMAWY**, "Classification, Analysis, Problems and Solutions of Robots", Fifth International Conference on Artificial Intelligence Applications ICAIA'97, Cairo, Egypt, February 27- March 3, 1997, pp.214-222
- [20] **A.S.ZEIN EL DIN, M.E.EL-SHEBINY**, "Microprocessor-Based Closed Loop Current Control of Universal Motor", ICEC's 97, IEEE, Cairo, Egypt, December 15-18, 1997, pp.583-587.
- [21] **A.S.ZEIN EL DIN, S.A.MAHMOUD and A.GHAZY**, "A Novel Uninterruptible Power Supply (UPS) Controlled by Programmed Logic Controller (PLC)", ICEC's 97, IEEE, Cairo, Egypt, December 15-18, 1997, pp.215-219

- [22] **A.S.ZEIN EL DIN**, "A Microprocessor-Controlled of an Ac Chopper for Speed Control of Universal Motor", Engineering Research Bulletin, ISSN 1110-1180, Menoufiya University, Faculty of Engineering, Shebin El-Kom, Egypt, Volume 21, Number 1, Jan.-Feb. 1998, pp.93-105.
- [23] **A.S.ZEIN EL DIN, S.S.SHOKRALLA and A.E.LASHINE**, "Improvement of Starting Characteristic and Speed Control of 3-phase Induction Motor Using Microprocessor", Electric Machines and Power Systems, Volume 26, Number 3, April 1998, pp. 265-276
- [24] **A.S.ZEIN EL DIN and A.E.EL-SABBE and S.A.MAHMOUD**, "PLC-Based Control of UPS", PEMC'98, 8 th International Power Electronics & Motion Control Conference, EPE, Prague, Czech Republic, 8-10 September, 1998, pp. 8-1 to 8-6.
- [25] **A.S.ZEIN EL DIN and A.E.EL-SABBE**, "A Novel AC Voltage Regulator", IECON98, 24 th Annual conference of the IEEE Industrial Electronics Society, Aachen-Germany, Volume 2/4 , August 31-September 4, 1998, pp.607-611
- [26] **A.S.ZEIN EL DIN, A.E.EL-SABBE**, "Speed Control of a Single-Phase Induction Motor Employing AC Chopper", Sixth International Middle East Power Systems Conference (MEPCON'98), December 15-17, 1998, Mansoura, Egypt, vol. 1, pp.593-598.
- [27] **A.S.ZEIN EL DIN, A.E.EL-SABBE**, "A Novel Speed Control Technique for Single-Phase Induction Motor", Engineering Research Bulletin, ISSN 1110-1180, Menoufiya University, Faculty of Engineering, Shebin El-Kom, Egypt, Vol. 22, Number 1, January 1999, pp.21-28.
- [28] **A.S.ZEIN EL DIN, M.EL-Farmawy**, "Study of Stepper Motor Performance in a Five-Axis Robot", 8 th International Conference on Artificial Intelligence Applications ICAIA'2000, Cairo International Conference center, cairo, Egypt, February 3-6, 2000, pp. 123-133
- [29] **A.S.ZEIN EL DIN**, "Microcomputer-Based Hysteresis Speed Control of Three-Phase Induction Motor", Seventh International Middle-East Power Systems Conference (MEPCON'2000), Ain Shams Univeristy, Cairo, Egypt, Vol.1, March 28-30, 2000, pp.99-106.
- [30] E.S.Abdin, **A.S.ZEIN EL DIN**, M.T. Saidahmed and A.M. Hammad, "Modelling and Control of an Isolated Diesel Generating Unit", Engineering Research Journal, Minoufiya University, Faculty of Engineering, Shebin El-kom, Egypt, ISSN 1110-1180, Vol.24, No.1, 2001
- [31] A.E.EL-SABBE and **A.S.ZEIN EL DIN**, "A Modified Single to Three Phase Converter Fed Three-Phase Induction Motor", MEPCON'2001, IEEE, Helwan University, Egypt, December 29-31, 2001
- [32] **A.S.ZEIN EL DIN** and A.E.EL-SABBE, "Induction Generator Output Voltage and Frequency Stabilization", EPE-PEMC2002, Croatia, September 9-11, 2002
- [33] **ASHRAF S. ZEIN EL-DIN**, ZEYAD M. REZK and ADEL S. ABD EL-GHAFAR, "Comparison of different motor types and control methods for electric car application", AECV2003, France, 2-5 June 2003
- [34] A.E.EL-SABBE and **A.S.ZEIN EL DIN**, "Rotor Impedance Control of Three-Phase Induction Motor Using Mosfets", EPE2003, France, September 2-4, 2003
- [35] **A.S.ZEIN EL DIN** and A.E.EL-SABBE, "Closed Loop Control of three-phase Induction Motor fed by an Inverter with variable Controlled D-C Voltage", Engineering Research Journal (ERJ), Minoufiya University, Faculty of Engineering, Shebin El-Kom, Egypt, ISSN 1110-1180, Volume 28, Number 1, pp.27-38, January 2005

- [36] Adel A. abou El Ela, **A.S.ZEIN EL DIN**, and Sh.R.Spea, "Multi-Objective Genetic Algorithm for Optimal Line Switching Reconfiguration in Power System", The tenth International Middle East Power Systems Conference (MEPCON'2005), Port Said, Egypt, Volume 2, pp.711-723, December 13-15, 2005.
- [37] **A.S.ZEIN EL DIN**, " PLC-Based Speed Control of DC Motor", Engineering Research Journal (ERJ), Minoufiya University, Faculty of Engineering, Shebin El-Kom, Egypt, ISSN 1110-1180, Volume 29 , Number 1 , pp. 9-19, January 2006
- [38] **A.S.ZEIN EL DIN**, "Novel Techniques to Control of Cuk-Converter fed DC Motor", Minoufiya University, Faculty of Engineering, Shebin El-Kom, Egypt, ISSN 1110-1180, Volume 29 , Number 1 , pp. 33-45, January 2006
- [39] **A.S.ZEIN EL DIN**, "Modeling and Implementation of Robot Based Control by using Programmable Logic Controller", International Journal: World Scientific and Engineering Academy and Society (WSEAS) Transactions on POWER SYSTEMS, <http://www.wseas.org>, Issue 3, Volume 1, pp.651-660, March 2006
- [40] Adel A. abou El Ela, **A.S.ZEIN EL DIN**, and Sh.R.Spea, " Optimal load shedding in power systems ", The eleventh International Middle East Power Systems Conference (MEPCON'2006), Egypt, Volume 2, pp.568-575, December 19-21, 2006.
- [41] Adel A. abou El Ela, **A.S.ZEIN EL DIN**, and Sh.R.Spea, " Multi-objective genetic algorithm to improve the power system operation using distributed generation ", The eleventh International Middle East Power Systems Conference (MEPCON'2006), Egypt, Volume 2, pp.612-619, December 19-21, 2006.
- [42] Adel A. abou El Ela, **A.S.ZEIN EL DIN**, and Sh.R.Spea, "Optimal corrective actions for power systems using multiobjective genetic algorithms", International Universities Power Engineering Conference - UPEC 2007, pp.365-376, September 4-6, 2007.
- [43] **A.S.ZEIN EL DIN**, "Closed Loop PLC Control of Electric Vehicle", 13th International Research/ Expert Conference "Trends in the Development of Machinery and associated Technology", TMT2009, Hammamet, Tunisia, 16-21 October 2009 .
- [44] Arafa Sayed Mohamed Mansour, Mohamed S. Zaky, **Ashraf ZEIN EL DIN** and Hussain A.Yassain, "Control of a Movable Robot Using PLC", MEPCON'09, 13 th International Middle East Power Systems Conference, Assiut, Egypt ,December 20-23, 2009.
- [45] Arafa S. Mohamed, Mohamed S. Zaky, **Ashraf ZEIN EL DIN** and Hussain A.Yassain, "Comparative Study of Sensorless Control Methods of PMSM Drives", Innovative Systems Design and Engineering, (WWW.iiste.org), ISSN 2222-1727, Vol.2, No.5, 2011.
- [46] Arafa Sayed Mohamed Mansour, Mohamed S. Zaky, **Ashraf ZEIN EL DIN** and Hussain A.Yassain, "Fault-Diagnosis and Tolerant of A Three-Phase Induction Motor Field-Oriented Control Drive System", MEPCON'2012, 15 th International Middle East Power Systems Conference, Alexandria, Egypt, December 23-25, 2012.
- [47] Arafa S. Mohamed, Mohamed S. Zaky, and **Ashraf ZEIN EL DIN**, "On-Line Fault Detection and Localization in Three-Phase Induction Motor Drive Systems", Minoufiya University, Faculty of Engineering, Shebin El-Kom, Egypt, ISSN 1110-1180, Volume 36 , Number 1 , pp. 9-16, January 2013 .

- [48] Arafa S. Mohamed, Mohamed S. Zaky, and **Ashraf ZEIN EL DIN**, "Fault Diagnosis of a Three-Phase Induction Motor Drive System", 1st International Conference on Electrical and Computer Engineering (ICECE), Benghazi, Libya, March 26-28, 2013
- [49] **Ashraf Salah El Din Zein El Din**, Adel Shebl Abdel Ghafar, " Control of Electric Vehicle Using Digital Signal Controller", 17th International Research/ Expert Conference "Trends in the Development of Machinery and associated Technology", TMT2013, Istanbul, Turkey, 10-11 September 2013.
- [50] Arafa S. Mohamed, Mohamed S. Zaky, and **Ashraf ZEIN EL DIN**, "Open-Circuit Faults Diagnosis in VSI-Fed Three-Phase Induction Motor", MEPCON'2014, 16 th International Middle East Power Systems Conference, Cairo, Egypt, December 23-25, 2014.
- [51]Arafa S. Mohamed, Haitham Z. Azazy and Ashraf S. Zein El Din, "**Real-Time Detection and Fault-Tolerant Control in Three-Phase Induction Motor Drives**", 1st International Workshop on Mechatronics Education, Taif University, Taif, Saudi Arabia, pp. 85-95, March 8-10, 2015.

6-TITLES of SUPERVISED THESES BY PROFESOR DR. ASHRAF SALAH EL DIN HAS SUPERVISED

Title of Thesis	Msc. /Ph.D Degree	Student Name	Date of Discussion	Faculty/University
Control of Load Voltage Using Microprocessor.	M.Sc. Degree	Ziad Mohamed Rizk	17 October 1998	Faculty of Engineering, Minoufiya University.
Microprocessor Applications on Robotic Systems.	Ph.D Degree	Megahed Mohamed El Farmawy	16 November 2000	Faculty of Engineering, Minoufiya University.
Modeling and Control of an Isolated Diesel Generating Unit.	M.Sc. Degree	Adel Mohamed Hamad	6 August 2001	Faculty of Engineering, Minoufiya University.
Optimal Performance of Power Systems Using Artificial Intelligence Techniques Through Control Switching Devices.	M.Sc. Degree	Shimaa Rabah Abdel-Aziz	August 2006	Faculty of Engineering, Minoufiya University.
Finite Impulse Response Neural Networks: A Case Study.	M.Sc. Degree	Heba-Allah Mohamed Ragab	4 July 2007	Faculty of Engineering, Tanta University.
Applications of Robotic systems in Industry.	M.Sc. Degree	Arafa Mohamed Mansour	January 2010	Faculty of Engineering, Minoufiya University.
Automatic Control Applications in Electric Vehicles.	Ph.D Degree	Ziad Mohamed Rizk	23 May 2012	Faculty of Engineering, Minoufiya University.
Fault Diagnosis of a Three-Phase Induction Motor Drive System	Ph.D Degree	Arafa Mohamed Mansour	19 April 2014	Faculty of Engineering, Minoufiya University.

7. PARTICIPATION IN DEVELOPMENT PROJECTS

Title	Objective	Time Work Group	Financing Resource	Duration
Computerization of Students affairs in Faculty of Engineering	Build a data base of student's affairs using a computer.	Prof.Dr. Ibrahim Zakria, Prof.Dr. Abbas El-Hefnawy, Dr. Attia El Sebai, and Prof.Dr.Ashraf Zein El Din	Supreme Council Of Universities Foreign Relations Co-Operation Unit (FRCU)	1989-1990
Development of Automatic Control Lab.	Buying Microprocessors Modules, Robotic Model, PWM Control System Kits, and other measurements devices, and preparing different experimental.	Prof.Dr.Mohamed Talaat Fahim, Prof.Dr.Ashraf Zein El Din, and others.	World Bank Loan No. 3137-EGT	1997
Computer Network Center In Minoufiya University	Putting description and scientific specifications of all parts of computer network.	Prof.Dr.Ibrahim Zakria, Prof.Dr. Hossam Hussin, Prof.Dr.Ashraf Zein El Din and others.	Minoufiya University	1997-2002
Libraries Computerized in Faculties of Engineering	Design and build computer network in each library in Faculty of Engineering then make connections between them via an INTERNET, and using VTLS program.	Prof.Dr.Ibrahim Zakria, Prof.Dr.Ashraf Zein El Din and others.	Eng. 7/1996/5-14	1997-1999
Faculty leadership development and leadership (FLDP)	Preparing the project in details and specifying the man cost of training courses.	Prof.Dr.Gmal El-Morsi, Prof.Dr.Ahmed El-Lehle, Prof.Dr. Ashraf Zein El Din and others	Supreme Council Of Universities	2004
Electrical and	Preparing the	Prof.Dr.Shaban	Faculty of	

Computer Engineering Program (credit Hours)	program specification, courses specifications, making feasibility study of the project.	Osheba Prof.Dr.Ali Osheba Prof.Dr.Adel Shebl Prof.Dr.Mohamed Ez El Arab and Prof.Dr. Ashraf Zein El Din	Engineering, Minoufyia University	2006
Continuous Development and Accreditation Project (CIQAP)	Determination of the weakness points and strong points of Faculty of Engineering, then preparing a strategy plane for development of Faculty of Engineering.	Prof.Dr.Adel Abou-El Ela, Prof.Dr. Ashraf Zein El Din and Others.	Supreme Council Of Universities CP3-008-MEN and Minoufiya University.	2009-2012

8. EXPERIENCE IN STUDENTS ACTIVITIES

No.	Title of Activity	Place	Date
1	Pioneer families and unions Committee Assistant	Faculty of Engineering, Minoufiya University, Egypt.	1994-1998
2	Participation in training course of the role of Academic staff in students activities	Leadership development camp in Helwan, Egypt.	1996, 1998
3	Pioneer Technical Committee Union of students of the Faculty of engineering	Faculty of Engineering, Minoufiya University, Egypt.	1998-2008
4	Create a Science Club.	Faculty of Engineering, Minoufiya University, Egypt.	1998
5	Head of press and publications committees and reception, information technology and media in Third Engineering games.	Faculty of Engineering, Stadium in Minoufiya University, Egypt.	1999
6	Participation as a super visor of Minoufiya Science Club in the first meeting of Science Clubs of Delta Universities.	Zagazig University, Egypt.	1999
7	Participation in The first scientific forum for innovators and inventors	El-Behira Governorate, Egypt.	2000
8	General Coordinator and President of the press and publications committees and reception, information technology and media for the first Arabic engineering games.	Faculty of Engineering, Stadium in Minoufiya University, Egypt.	2002
9	Overall supervision of the Regiment during the lectures students and	Gamasa City, El-Dakhlia Governorate, Egypt.	2002, 2006

	administrative supervision in the implementation of the plan of the camp in Gamasa City		
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No.	Title of Activity	Place	Date
10	Participation in scientific work in arbitration of Youth innovation exhibition science clubs.	Exhibition in Cairo, Naser City, Egypt	2002
11	Scientific Supervisor on e-business and educational programmes attended by students of the Science Club at the University of Minoufiya in science clubs meet in electrons and computer.	Zagazig University, Egypt.	2002
12	Member of the Organizing Committee of the festival first Scout Engineering Faculties	Faculty of Engineering, Stadium in Minoufiya University, Egypt.	2002
13	Scientific Supervisor on e-business and educational programmes attended by students of the Science Club at the University of Minoufiya in Crossroads of the Egyptian University science club	Faculty of Engineering, Cairo University, Egypt.	2002
14	Leading Minoufiya science club at Egyptian universities youth week	Assuit University, Egypt.	2003
15	Scientific Supervisor of Faculty team no. 1 in preparation for the contest ROBOCON Egypt.	Egyptian radio and television Union, Cairo, Egypt.	2003
16	Associate with an article entitled: the role of the Egyptian University science clubs in the early detection of creators and their care-an example of applied science Club Minoufiya University	El-Minia University, Egypt.	2003
17	Prepare a training program for programming and maintenance of computer in Project software and computer maintenance (student product)	Minoufiya University, Egypt	2004
18	Leading Minoufiya science club at Egyptian universities youth week	El-Mansoura University, Egypt.	2005
19	Head of press and publications committees and reception, information technology and media in the Tenth Engineering games.	Faculty of Engineering, Stadium in Minoufiya University, Egypt.	2006
20	Leading Minoufiya science club at the first Arabic universities Youth week	El-Mansoura University, Egypt.	2006
21	General Coordinator and President of the press and publications committees and reception, information technology and media for the Second Arabic engineering games.	Faculty of Engineering, Stadium in Minoufiya University, Egypt.	2006

22	Member in Board of Directors of the social solidarity fund, Faculty of engineering.	Faculty of Engineering, Stadium in Minoufiya University, Egypt.	2004-2005, 2006-2007
23	Head of press and publications committees and reception, information technology and media in the Eleventh Engineering games.	Faculty of Engineering, Stadium in Minoufiya University, Egypt.	2007

No.	Title of Activity	Place	Date
24	Leading Minoufiya science club at Egyptian universities youth week.	Minoufiya University, Egypt	2007
25	Assess innovations youth centers-governorate of Minoufiya University.	Department of youth and sport-governorate of Minoufiya, Egypt.	2007
26	Coordination between the various committees and chairing committees and information resources for the session of refresher session among pre-service Minoufiya University	Faculty of Engineering, Stadium in Minoufiya University, Egypt.	2007
27	Oversee the work of the Science Club projects: 1. Model of mobile robot based on observation. 2. Build a program to move messages between your computer and Mobil. 3. A model for the mobile cart used to transport raw materials inside a factory.	On the sixth exhibition of micro-technology in Cairo, Naser City, Egypt	2007
28	Coordination between the various committees and chairing committees and information resources for the session of the first session of the Arabic Friendship	Faculty of Engineering, Stadium in Minoufiya University, Egypt.	2007
29	Consultant Committee for scientific and technological activity of Prof. Vice-President Minoufiya University	Minoufiya University, Egypt	2008-2011
30	Participation as a scientific super visor of Minoufiya Scientific club in Egyptian University science clubs forum for Android	Helwan University, Egypt	2008
31	Coordination between the various committees and chairing committees and information resources for the session of the first session of the Arabic Friendship	Faculty of Engineering, Stadium in Minoufiya University, Egypt.	2008
31	Head of delegation, Counsellor, science and technology in The first university science clubs forum for renewable energy	Tanta University, Egypt.	2009
32	Consultant Committee for scientific and technological activity, participation in the award of scientific activity competitions in specialized business cycle of the first business schools.	Faculty of Commerce, Minoufiya University, Egypt	2009
33	Consultant Committee for scientific and technological activity in Girls Youth week II	Minia University, Egypt.	2010
34	Lecture in draft student activities with the Ministry of higher education (the second Conference on youth problems)	Minoufiya University, Egypt	2010

35	Consultant Committee for scientific and technological activity, participation in the award of scientific activity competitions in specialized business cycle of the second business schools.	Faculty of Commerce, Minoufiya University, Egypt	2012
36	Textured in International Robotic Challenge	Faculty of Commerce, Minoufiya University, Egypt	2012

9. EXPERIENCE IN EDUCATIONAL AND SCIENTIFIC ACTIVITIES

No.	Title of Activity	Place	Date
1	<ul style="list-style-type: none"> • Member control education 1994 • Head control nursing 2nd 1998-1999 • President of ECS Faculty of engineering deficiencies 1998-2000 • Member of control Bachelor since 2001 to 2005 • Chairman of the control band first Engineering Faculty during the 2006-2007 • President of control engineering 4th Division during the 2007-2008 • Member control programme electrical engineering and computing since 2008-2009 until now. 	Faculties of Engineering, Nursing, Faculty of Education, Minoufiya University, Egypt.	Since 1994 up to now
2	<p>Supervision of a large number of applied projects</p> <ul style="list-style-type: none"> • Using programmable logic Controller (PLC) such as Governor: design model for Metro moves without a driver. Design and build a model of the lift. Design and construction of production line to sort products. Design and construction of the car park. Design and construction of the cable car. Design and construction of a production line for bottling the liquid. • Robotics design and build a robot to move products from one place to another. Design and build a robot to search for mines. Designing and building a robot is used in the guard. Designing programmes to make the robot draws different geometric shapes. 	Faculty of Engineering, Minoufiya University, Egypt.	Since 1994 up to now
3	Participate in the teaching of computer courses	Home Economics, Faculty of nursing and Faculty of agriculture, Minoufiya.	1998-2002
4	Computer instructor in computer instructor preparation course	Faculty of computers and information, Minoufiya University	2004
5	Attend training sessions on effective presentation skills, preparation of a certified instructor.	Supreme Council of universities, Cairo, Egypt.	2004, 2005
6	<ul style="list-style-type: none"> • Coordinator of the training courses held at the Centre for faculty development and leadership at Minoufiya University. Attend training courses in ethics, ethics, decision-making and problem 	Minoufiya University, Egypt.	Since 2004 up to now

	solving, youth care. Certified Trainer of the FLDP project for the programme for the development of effective presentation skills, use of technology in teaching.		
7	• Discussion of undergraduate projects both computer science and information technology	Faculty of Computers and Information, Minoufiya University.	2005
No.	Title of Activity	Place	Date
8	• Team member and Board member of the electrical and computer engineering program for Bachelor's degree in credit hour system	Faculty of Engineering, Minoufiya University	Since 2006 up to now
9	• Airtight scientific research for publication in the scientific journal of the Faculty of engineering, Minoufiya University	Faculty of Engineering, Minoufiya University	Since 2006 up to now
10	• Member of a University book distribution	Faculty of Engineering, Minoufiya University	2006-2007, 2007-2008, 2008-2009
11	• CISCO Academy Director, Faculty of Engineering (administrative and technical supervision), the selection of trainers for the teaching of courses in accordance with scientific content networks prepared for that.	Faculty of Engineering, Minoufiya University	Since 2008 up to now
12	• Member of the Scientific Committee (electrical power) to arbitration research for faculty members interested in promotion to the post of Assistant Professor and Profess	Supreme Council of universities, Cairo, Egypt.	Since 2008 up to now
13	• Discussion of undergraduate projects in Computer Science Engineering Department	Faculty of Electronic Engineering, Minoufiya University.	Since 2009 up to now
14	• Discussion of undergraduate projects	Faculty of Engineering, Tanta University.	Since 2011 up to now
15	• Airtight scientific research for publication in the scientific journal of the Faculty of engineering, Ain Shams University.	Faculty of engineering, Ain Shams University, Egypt.	Since 2010 up to now
16	• Participate in supervising the scientific trips organized by the University for students.	Toshka-alaksr, Aswan, Hurghada and Sharm el Sheikh, Egypt.	Since 1998 up to now
17	• Participation in scientific trips for students of the Department of electrical engineering, Faculty of engineering of the various factories and factories that use PLC in production lines to link theoretical teaching to practical applications.	EZ factory of iron and steel, ceramic jewel factory in Sadat City factory Ullah food Alexandria Borg El Arab, Egypt.	Since 1998 up to now
18	• Participation in the preparation of regulations for the Department of electrical engineering faculty • Participants in the development of computer courses, Robotics and programmable logic Controller.	Faculty of Engineering, Minoufiya University, Egypt	Since 1998 up to now

19	<ul style="list-style-type: none"> Participate in teaching various computer languages programming (Machine Language, and Assembly Language, object-oriented Programming and Fortran Language), and programmable logic Controller (PLC), robotics, Microprocessors, computer terminals, computer engineering. 	Faculty of Engineering, Minoufiya University, Egypt	Since 1994 up to now
No.	Title of Activity	Place	Date
20	<ul style="list-style-type: none"> Supervising computer lab, Microprocessor lab, Robot Lab, programmable logic Controller Lab. in Department of Electrical Engineering 	Faculty of Engineering, Minoufiya University, Egypt.	Since 1998 up to now
21	<ul style="list-style-type: none"> Textured papers in an International Conference on research in computer science and information technology. 	China	2011
22	<ul style="list-style-type: none"> Textured papers in Sixteenth International Middle East Power Systems Conference (MEPCON'14), Ain Shams University, Cairo, Egypt, February 23-25, 2014. 	Cairo, Egypt.	2014

10. Activities in the area of community and environmental development

No.	Title of Activity	Place	Date
1	<ul style="list-style-type: none"> The Chairman of the Committee on the examination of the Central receiving complex theoretical Faculties (arts-trade-rights-science) 	Minoufiya University, Egypt.	1999
2	<ul style="list-style-type: none"> Establishment of computer center of the veterinary Directorate 	Minoufiya Governorate, Egypt.	1999
3	<ul style="list-style-type: none"> Participate in the establishment of a Centre for training on ICDL computer 	Minoufiya University, Egypt.	2005
4	<ul style="list-style-type: none"> Founder member of the Association for the welfare of Minoufiya University Alumni, Member of the Technical Committee for projects. 	Minoufiya University, Egypt.	1996
5	<ul style="list-style-type: none"> Member of the repair and maintenance of computers for Engineering Consulting Center in the Faculty of engineering 	Faculty of Engineering, Minoufiya University, Egypt.	1999,2000
6	<ul style="list-style-type: none"> Member of the Working Group of the Electrical Engineering Department and Shebin Tex Company. Maintenance and repair of electronic devices and controlling the company in accordance with the plan 	Shebin El Kom, Minoufiya Governorate, Egypt.	Since 2001
7	Member of the Board of advisors of Egypt Association network project linking and information between National Institute of liver and medical institutes Arabic Republic	National liver Institute, Minoufiya University, Egypt.	2006-2008

	of Egypt in cooperation with the u.s. Agency for international development, under the auspices of the Ministry of communications and information technology.		
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No.	Title of Activity	Place	Date
8	<ul style="list-style-type: none"> Participate as a member of an experienced technician in computers with hardware specifications proposal computer & peripherals and consulting in the field of software and automation of administrative work and determination and examination committees for these devices. 	Minoufiya University Management, Faculty of agriculture, Faculty of Engineering, Faculty of education-the Institute of liver	1997-2012
9	<ul style="list-style-type: none"> Participation with an article entitled "Science Club at the University of Minoufiya" in the information bulletin of the University of Minoufiya, number 9, September 2003 	Information Center, Minoufiya University, Egypt.	2003
10	<ul style="list-style-type: none"> Participation with an article entitled The "Role of information technology in education", Magazine the future 12th issue (November-December 2004) 	Minoufiya University, Egypt.	2004
11	<p>The second Conference of the Egyptian Rural Development:</p> <ul style="list-style-type: none"> Member of the Organizing Committee and supervisor of all Visual presentation and the Conference site on the Internet and head of media and public relations Committee, Member of the Scientific Committee. 	The Egyptian International Center for agriculture-Dokki – Cairo, Faculty of Engineering, Shebin El-Kom, Egypt.	27-29 April 1999
12	<p>The Third Conference of the Egyptian Rural Development:</p> <ul style="list-style-type: none"> Member of the Organizing Committee and supervisor of all Visual presentation and the Conference site on the Internet and head of media and public relations Committee, Member of the Scientific Committee. 	The Egyptian International Center for agriculture-Dokki – Cairo, Faculty of Engineering, Shebin El-Kom, Egypt.	22-24 September 2001
13	<p>The Fourth Conference of the Egyptian Rural Development:</p> <ul style="list-style-type: none"> Member of the Organizing Committee and supervisor of all Visual presentation and the Conference site on the Internet and head of media and public relations Committee, Member of the Scientific Committee. 	The Egyptian International Center for agriculture-Dokki – Cairo, Faculty of Engineering, Shebin El-Kom, Egypt.	15-17 September 2003
14	The Fifth Conference of the Egyptian Rural	The Egyptian International Center	27-29 September 2005

	<p>Development:</p> <ul style="list-style-type: none"> • Member of the Organizing Committee and supervisor of all Visual presentation and the Conference site on the Internet and head of media and public relations Committee, Member of the Scientific Committee. 	for agriculture-Dokki – Cairo, Faculty of Engineering, Shebin El-Kom, Egypt.	
No.	Title of Activity	Place	Date
15	<p>The Sixth Conference of the Egyptian Rural Development:</p> <ul style="list-style-type: none"> • Member of the Organizing Committee and supervisor of all Visual presentation and the Conference site on the Internet and head of media and public relations Committee, Member of the Scientific Committee. 	The Egyptian International Center for agriculture-Dokki – Cairo, Faculty of Engineering, Shebin El-Kom, Egypt.	23-25 October 2007
16	<ul style="list-style-type: none"> • Member of the Organizing Committee of the Conference higher education in Egypt and the challenges of the twenty-first century 	The International Conference Center in Nasr City-Cairo, Egypt.	1996
17	<ul style="list-style-type: none"> • Participation in standard-setting and action committees and examination of computer hardware and peripherals for various university faculties. 	Shebin El Kom, Minoufiya Governorate, Egypt.	Since 1996 up to now
18	<ul style="list-style-type: none"> • Member of the Preparatory Committee for the Conference's initial development of new urban communities 	El-Sadat City, Egypt.	3-5 April 2001
19	<ul style="list-style-type: none"> • Member of the Committee formed to choose employees to work at my job (Designer software-data entry) (consent of Prof. Rector of 22 June 2002) 	Minoufiya University, Egypt.	2002
20	<ul style="list-style-type: none"> • Member of the Commission responsible for screening and ranking applications for jobs at the University of Minoufiya, Prof. Reactor of Minoufiya University No. 1189, dated January 7, 2002 	Minoufiya University, Egypt.	2002
21	<ul style="list-style-type: none"> • Chairman of the Commission on the status of preparation and examination of computer correction for applicants for positions at the University of Minoufiya administrators (Prof. Reactor of Minoufiya University No. 679 dated May 25, 2005). 	Minoufiya University, Egypt.	2005
22	<ul style="list-style-type: none"> • Member of the Organizing Committee of MEPCON Conference 	Faculty of Engineering, Minoufiya University, Egypt	2003
23	<p>The membership of the Board of Trustees of the school district's Raven Shebin El-KOM</p> <ul style="list-style-type: none"> • Closer links and cooperation between parents, teachers and members of civil society in support of the educational process. • The decentralization of management and 	Shebin El Kom, Minoufiya Governorate, Egypt.	2005-2006

	<p>evaluation and follow-up and decision making.</p> <ul style="list-style-type: none"> • Report the Exchange and follow-up on the budget of the Council and to the institution's own resources. 		
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No.	Title of Activity	Place	Date
24	<p>The membership of the Board of Trustees high school Mubarak:</p> <ul style="list-style-type: none"> • Closer links and cooperation between parents, teachers and members of civil society in support of the educational process. • The decentralization of management and evaluation and follow-up and decision making. • Report the Exchange and follow-up on the budget of the Council and to the institution's own resources. 	Shebin El Kom, Minoufiya Governorate, Egypt.	2005-2006, 2006-2007
25	<ul style="list-style-type: none"> • Participation in the working paper entitled: national project for developing the skills of young graduates-governorate of Minoufiya-use of information technology in cooperation with the Ministry of communications and information 	The National Committee for education, science and culture (UNESCO-Iliescu-ISESCO)-Cairo	5-7 May 2007
26	<ul style="list-style-type: none"> • Secretary General of publicized Assembly of Faculty of Engineering Alumni Association. 	Faculty of Engineering, Minoufiya University, Egypt	Since 2007 up to now
27	<p>The Seventh Conference of the Egyptian Rural Development:</p> <ul style="list-style-type: none"> • Member of the Organizing Committee and supervisor of all Visual presentation and the Conference site on the Internet and head of media and public relations Committee, Member of the Scientific Committee. 	Faculty of Engineering, Shebin El-Kom, Minoufiya University, Egypt.	13-15 October 2009
28	<ul style="list-style-type: none"> • Member of the Board of Electrical Engineering Department 	Faculty of Engineering, Shebin El-Kom, Minoufiya University, Egypt.	Since 2000
29	<ul style="list-style-type: none"> • Member of the Board of the Faculty of engineering 	Faculty of Engineering, Shebin El-Kom, Minoufiya University, Egypt.	2010-2011
30	<ul style="list-style-type: none"> • Chairman of the Management Committee of project production unit for computer maintenance-governorate of Minoufiya. 	Creative Center-governorate of Minoufiya.	Since 11 June 2012
31	<p>The Eighth Conference of the Egyptian Rural Development:</p> <ul style="list-style-type: none"> • Member of the Organizing Committee and supervisor of all Visual presentation and the Conference site on the Internet and head of media and public relations 	Faculty of Engineering, Shebin El-Kom, Minoufiya University, Egypt.	23-25 October 2012

	Committee, Member of the Scientific Committee.		
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11- Expertise in the area of training in computer and information technology (conferences, training courses, workshops, commissions and supervision —-etc)

No.	Title of Activity	Place and Date
1	Attend training International course on: computer applications in management for 40 hours.	Patras University, Greece 12-18 July 1987
2	Attend training courses in programmable controllers systems (fundamentals and advanced)	Siemens Company, Cairo, Egypt, 1-12 March 1999
3	Attend The first International Conference (information systems and computing, smart)	Faculty of computers and information sciences, Ain Shams University, Cairo, Egypt , 24-26 June 2002
4	Attend the third session of the TOT (FLDP); the aim of this national project is to develop faculty and leaders in the areas of administrative, legal and financial.	Cairo, Egypt, 10-14 April 2004
5	Attend a workshop in of Strategic of training.	Cairo, Egypt, 5-6 May 2004
6	Scientific Supervisor information technology skills development programmes for young graduates from the high qualifications and above average and the faculties of the Minoufiya University in cooperation with the Ministry of communications and information since the first session until the twentieth session.	Since July 2000 to January 2006.
7	Scientific Supervisor and lecturer, computer courses for employees of the University of Minoufiya.	Minoufiya University, Egypt, Since 1998 to 2005
8	Certified Trainer of the National Commission for the development of higher education programme teaching FLDP effective presentation skills, use of technology in teaching at Minoufiya University.	Minoufiya University, Egypt, Since 2004 up to now.
9	Attend sessions of faculty development and leadership in the development of youth skills-University, community ethics and professional ethics, Management skills, modern trends skills in teaching and decision-making and problem solving.	Minoufiya University, Egypt, 2004-2005

10	Participants as coordinator of development programs of faculty members and leadership organized Minoufiya University.	Minoufiya University, Egypt, since 2004 up to 2005
No.	Title of Activity	Place and Date
11	Member of the scientific technical Committee of the Council of the College of Engineering (computer science) and aimed at restricting computers altogether and continue running her ideals and identify the needs of the College and oversee network and information.	Faculty of Engineering, Dean of engineering resolutions 4/4/2000 and 21 August 2005 and 2006
12	Member of the Committee on computing in both Faculty of education and Faculty of agriculture	Minoufiya University, Egypt, since 2000 up 2004
13	Member of the Committee on computing in national liver Institute computing.	Minoufiya University, Egypt , since 2000 up 2012
14	Member of the Committee on computing in Faculty of Engineering.	Minoufiya University, Egypt, since 1998 and until 2011
15	Super visor of Computer training Management, in this period has been holding computer courses to those outside the University of Minoufiya, such as public administration and administration, postal, utility networks information center, student welfare association in Minoufiya, in addition to personnel training in colleges and various university institutes on computer skills.	Minoufiya University, Egypt, Since 31 July 2002 and up to December 25, 2005)
16	Supervising public service center, and in this period has been holding training sessions for civil society in modern languages: English, French and Italian-and computer courses and surveyor technician instructor computer and speech rehabilitation specialist, accounting, human resources, public relations.	Minoufiya University, Egypt, Since 15 July 2006 up to 14 March 2011.
17	Attend refresher course for license renewal training as certified trainer status of faculty development and leadership at the Minoufiya University.	Centre for strategic studies and development center faculty members Minoufiya University leaders, 23-26 February 2013

12. Arbitration of Scientific research

12.1 Inside Egypt

- Member of the Scientific Committee (electrical power) to arbitration research for faculty members interested in promotion to the post of Assistant Professor and Professor (Electrical power) since 2008 up to 2015 the Supreme Council of universities, Egypt.
- Arbitrator of scientific journal Research Faculty of engineering at Ain Shams University, Egypt Since 2010.
- Arbitrator in scientific research scientific journal in Faculty of Engineering, Shebin el-Kom, Minoufiya University since 2006.
- An arbitrator with the Conference the State Research of electric power systems in the Middle East MEPCON ' 09-Faculty of Engineering, Assiut University, Egypt (23-25 September 2009).
- An arbitrator with the Conference the State Research of electric power systems in the Middle East MEPCON ' 014-Faculty of Engineering, Ain Shams University, Egypt (23-25 February 2014).

12.2 Outside Egypt

- Head of Scientific session in Tthe 5th WSEAS International Conference on Applications of Electrical Engineering, Prague, Czech Republic, March 12-14, 2006
- An arbitrator with the 6th WSEAS/IASME International Conference on ELECTRIC POWER SYSTEMS, HIGH VOLTAGES, ELECTRIC MACHINES (POWER '06), Tenerife, Canary Islands, Spain, December 16-18, 2006
- An arbitrator with the 9th WSEAS International Conference on AUTOMATIC CONTROL, MODELING & SIMULATION (ACMOS '07), Istanbul, Turkey, May 27-29, 2007
- An arbitrator with the 4th IEEE International Conference on Computer Science and Information Technology (IEEE ICCSIT 2011) China, 10 Jun - 12 Jun 2011.
- An arbitrator with the 5th IEEE International Conference on Computer Science and Information Technology (IEEE ICCSIT 2012), Hong-Kong, 29-30 December 2012

