


CURRICULUM VITAE	
<p>Professor. Amany Abdo</p> <p><a href="mailto:prof.amany_abdo@fci.helwan.edu.eg">prof.amany_abdo@fci.helwan.edu.eg</a></p> <p>Nationality: Egyptian</p> 	
❖ CAREER OBJECTIVE	
	<p>To seek a position as an Adjunct Professor at a scientific University in Higher Education with Opportunities to:</p> <ul style="list-style-type: none"> <li>• Contribute My Education, Skill Set and Experiences to the Education Arena in Terms of Leadership, Teaching, Learning and Research Using Qualitative and Quantitative Approaches.</li> <li>• Teach in the Fields of Computer Science and Information Systems Such as Introduction to Computers, Programming, Databases, Software Engineering, System Analysis and Design, Information Storage and Retrieval, Data Warehouses and Big Data courses.</li> <li>• Develop Teaching Strategies and Diagnostic Programs and Curricula in the Field of Computer Science in General and in the Information Systems in Specific.</li> <li>• Mentor graduate students and conduct an ongoing program of research.</li> </ul>
❖ PROFESSIONAL PROFILE	
	<ul style="list-style-type: none"> <li>• Conducted Research in the trending scientific areas; e.g. Software Engineering, Medical Informatics, Bioinformatics, Data Science and Big Data.</li> <li>• Supervise many dissertations in both PHD and MSC post studies in the areas of Software Engineering, Artificial Intelligence, Data Science and Medical Informatics.</li> <li>• Former reviewer for the journal of: IEEE Access, Sensors-MDPI, Symmetry-MDPI, Applied Sciences-MDPI.</li> </ul>

	<ul style="list-style-type: none"> <li>• Highly Developed Oral and Written Communication Skills; With Ability to Present Information from Multiple Perspectives.</li> <li>• Able to Teach Different Subjects at University Level to Undergraduate and Postgraduate Students.</li> </ul>
	<b>❖ EDUCATION</b>
<b>2006-2010</b>	<ul style="list-style-type: none"> <li>▪ <b>Ph.D. in Information Systems</b></li> </ul>
	<p><i>University of Helwan, Cairo, Egypt.</i></p> <p>Thesis: "Clustering Techniques for Mining Protein Data Sequences".</p>
	<p><i>The Thesis Well Documented and Argued Literature Review and Implemented Methodological Design. It Involved Data Collection Using a Multi-Method Approach and a well-designed Implementation Perspective. It Was Well Received by Two External Examiners "With Minor Corrections".</i></p>
<b>2000-2004</b>	<ul style="list-style-type: none"> <li>▪ <b>M.Sc. in Information Systems</b></li> </ul>
	<p><i>University of Helwan, Cairo, Egypt.</i></p> <p>Thesis: "Query Processing from Moving Objects in a Mobile Computing Environment"</p>
<b>1996-2000</b>	<ul style="list-style-type: none"> <li>▪ <b>B.Sc. Computer Science and Information Systems</b> <i>"With Rank of Excellent with honor"</i></li> </ul>
	<i>Faculty of Computers and Information, Helwan University, Egypt.</i>
<b>1993-1996</b>	<ul style="list-style-type: none"> <li>▪ <b>General Secondary Education Certificate</b></li> </ul>
	<i>Minister of Education, Al-Matareya Scondary School for Girls.</i>

❖ AWARDS AND SCHOLORSHIPS		
	<ul style="list-style-type: none"><li><b>AOU Teaching Excellence Award.</b></li></ul>	<b>2023</b>
	<i>Description: This honor is a result of perseverance and commitment to teaching during the period I have worked as a professor at AOU.</i>	
	<ul style="list-style-type: none"><li><b>DELL EMC Award</b></li></ul>	<b>2017</b>
	<b>Award of Distinction</b> <i>Description: Awarded from DELL EMC for attendance and participation in big data course.</i>	
	<ul style="list-style-type: none"><li><b>AUC Award</b></li></ul>	<b>2004</b>
	<i>AUC Adult Training Center, Cairo.</i> <i>Description: Awarded from AUC for supervising significant projects.</i>	
	<ul style="list-style-type: none"><li><b>Faculty of Computers and Information Award</b></li></ul>	<b>2000</b>
	<i>Faculty of Computers and Information, Helwan University, Cairo.</i> <i>Description: Got Morale Awards from the faculty for being the 2nd highest accumulated marks among IS department.</i>	
	<ul style="list-style-type: none"><li><b>Faculty of Computers and Information Award</b></li></ul>	<b>1997- 2000</b>
	<i>Faculty of Computers and Information, Helwan University, Cairo.</i> <i>Description: Received cash awards from the University for my Academic Standard, for 3 years.</i>	
❖ TRAINING		
	<ul style="list-style-type: none"><li><b>J-developer Training Course</b>  Oracle J-developer (Java 2) Oracle at Faculty of computers Information Sciences, AinShams University.</li></ul>	<b>2002</b>
	<ul style="list-style-type: none"><li><b>C# and SQL Training Course</b>  C# and SQL server 2000 Microsoft at Faculty of computers and Information Sciences, AinShams University.</li></ul>	<b>2004</b>

		<ul style="list-style-type: none"> <li>▪ <b>Big Data Analytics Course</b> Offered by EMC2 at the Supreme Council of Universities.</li> </ul>	<b>2015</b>
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	<b>❖ ACADEMIC AND PROFESSIONAL EXPERIENCE</b> <b>Faculty of Computers and Artificial Intelligence – Helwan University</b>	
	• <b>Demonstrator</b>	<b>2000 - 2004</b>
	• <b>Assistant Lecturer</b>	<b>2005 – June 2010</b>
	• <b>Lecturer</b>	<b>Sep. 2010 – October 2016</b>
	• <b>Associate Professor</b>	<b>November 2016- February 2022</b>
	• <b>Professor</b>	<b>March 2022- Till now</b>
	<b>❖ ADMINISTRATIVE EXPERIENCE</b>	
	• <b>Software Engineering Program Coordinator</b>	<b>September 2016 – August 2020</b>
	• <b>Acting director, AOU, Egypt.</b>	<b>Summer 21-22.</b>
	• <b>Vice dean for examination affairs, AOU.</b>	<b>Academic year 22-23</b>
	• <b>Vice dean for IT affairs, AOU, Egypt.</b>	<b>May 2023- till present</b>

***Academic Responsibilities:***

- *Develop Course Syllabus*
- *Administer All Grades and Conducted Research in Different Subjects*
- *Adapt Teaching Methods and Instructional Materials to Meet Students' Varying Needs, Abilities, and Interests*
- *Maintain High Standards of Excellence*
- *Establish Clear Objectives for All Lessons, Units, and Projects, and Communicated Those Objectives to Students*
- *Attend Professional Meetings, Conferences, and Workshops in Order to Maintain and Improve Professional Competence*
- *Meet With Students Upon Request*
- *Grade All Written Work, Including Assignments and Final Exam Papers.*
- *Assist Professors in Research Matters.*
- *Work on Exam Development*

***Administrative Responsibilities:***

- *Develop semester course plan.*
- *Establish semester academic schedule.*
- *Manage program board monthly meeting.*
- *Maintain graduation projects development plan.*
- *Coordinate courses quality documentation.*
- *Communicate with student's representatives.*
- *Establish Midterm and final exams time table.*

## ❖ PUBLICATIONS

1. **Ahmed Sharaf Eldin Ahmed, Samar Kassim, Taysir Soliman, Sayed AbdelGaber and Amany Abdo. "A Comparative Study of Protein Sequence Clustering Algorithms", Accepted for publication, Proceedings of International Joint Conferences on Computer, Information, and Systems Sciences, and Engineering Conference CISSE, University of Bridgeport, USA, 2009.**
2. **Ahmed Sharaf Eldin Ahmed, Samar Kassim, Taysir Soliman, and Amany Abdo. "PI-CLUST: A Parallel-Incremental Protein CLUSTering System", Accepted for publication, Journal of Biomedical Science and Engineering (JBiSE), USA, November 2011.**
3. **O. E. Emam, A. Abdo and N. H. Ibrahim. "Solving a multi-level large scale fractional programming problem under uncertainty", International Journal of Mathematical Archive-5(2), 75-82, February 2014.**
4. **I. Heba, A. Amany, S. E. Ahmed, and S. Amr. "Novel data-mining methodologies for detecting drug-drug interactions: A review of pharmacovigilance literature", International Conference on Chemistry and Chemical Engineering (CCE 2014) - Advances in Environmental Sciences, Development and Chemistry; Santorini Island, Greece, June 2014.**
5. **O. E. Emam, A. Abdo and N. F. Rizkalla. "An iterative goal for solving rough bi-level linear programming problem", International Journal of Mathematical Archive-5(7), 155-161, July 2014.**
6. **O. E. Emam , A. M. Abdo and A. A. Abohany. "On Fuzzy Three Level Large Scale Linear Programming Problem", Journal of Statistics Applications & Probability an International Journal. Pro. 3, No. 3, 307-315, November 2014.**

21. **O. E. Emam, A. Abdo and N. H. Ibrahim. “Taylor Series Approach for Solving Multi-level Large Scale Fractional Programming Problem with Stochastic Parameters in Constraints”, British Journal of Mathematics & Computer Science. 6(2): 79-90, January 2015.**
22. **Heba Ibrahim, Amr Saad, A. Abdo, A. Sharaf Eldin. “Mining association patterns of drug-interactions using post marketing FDA’s spontaneous reporting data”, Journal of Biomedical Informatics. Vol (60) 294–308, February 2016.**
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24. **A. Khedr, A. Abdo, A. Ammar. “A Proposed Framework for Data Mining Techniques in Learning System”, International Journal of Advanced Research in Computer Science and Software Engineering (IJARCSSE). Vol 6 (3), March 2016.**
25. **Y. Helmy, A. Abdo, R. Abdullah. “A Proposed Framework for Learning Style Prediction in Higher Education Environments”, International Journal of Advanced Research in Computer Science and Software Engineering (IJARCSSE). Vol 6 (3), March 2016.**
26. **Mohammed A. Farahat, A. Abdo, Samar A. Kassim, Khaled A. Bahnacy, Sanaa M. Kamal, Ahmed Sharaf Eldin. “Response Prediction for Chronic HCV Genotype 4 Patients to DAAs”, International Journal of Advanced Computer Science and Applications. Vol 7(12), December 2016.**

27. Hussein Boshnak, Sayed Abdel Gaber, A. Abdo, Engy Yehia. “Ontology-Based Knowledge Modelling for Clinical Data Representation in Electronic Health Records”, International Journal of Computer Science and Information Security (IJCSIS). Vol. 16, No. 10, October 2018.
28. Hussein Boshnak, Sayed Abdel Gaber, A. Abdo, Engy Yehia. “Guidelines to Overcome the Electronic Health Records Barriers in Developing Countries”, International Journal of Computer Applications (0975- 8887). Vol. 181 – No. 40, February 2019.
29. O.E.Emam, A.Abdo, Mona M. Mahmoud. “An Adaptive Heart Disease Behavior-Based Prediction System “, International Journal of Advanced Computer Science and Applications. Vol. 10, No. 1, 2019.
30. A. Abdo, Hanan Fahmy, Amir Abobaker Shaker. “Mining Forensic Medicine Data for Crime Prediction”, International Journal of Computer Science and Information Security (IJCSIS), Vol.17, No. 6, June 2019.
31. Engy Yehia, Hussein Boshnak, Sayed Abdel Gaber, A. Abdo, Doaa Elzanfaly. “Ontology-based clinical information extraction from physician’s free-text notes”, Journal of Biomedical Informatics. Volume 98, October 2019.
32. O.Emam, A. Abdo, A. M. Abd-Elwahab. “A Comparative Study on Real Time Data Analysis Frameworks”, International Journal of Scientific & Engineering Research, Vol. 10, Issue 10, October 2019.
33. O.Emam, A. Abdo, A. M. Abd-Elwahab. “An Adaptive Framework for Real-Time Data Analysis”, International Journal of Scientific & Engineering Research, Vol. 11, Issue 5, May 2020.



34. O. Emam, A. Abdo and A. M. Youssef, “Interactive approach for solving a bi-level multi-objective quadratic programming problem with neutrosophic parameters in the objective function”, *International Journal of Mathematical*, 11 (6) (2020), 59-66.
35. O. Emam, A. Abdo and A. M. Youssef, “Solving a bi-level large scale multi-objective quadratic programming problem with neutrosophic parameters in the constraints using decomposition method”, *International Journal of Mathematical*, 11 (11) (2020), 1-8.
36. Mohammed A.Farahat, A. Abdo and Samar K. Kassim. “A Systematic Literature Review of DNA-based Steganography Techniques: Research Trends, Data Sets, Methods and Frameworks”, *The Digital Transformation Technology: Informatics Insights (ITAF 2020)*, Lecture Notes in Networks and Systems, Springer Nature, June 2021.
37. Alsayed Abdelwahed Mohamed, Nashwa Elbendary, A. Abdo . “Law Architecture for regulatory-compliant Public Enterprise Model: A focus on healthcare reform in Egypt”, *(IJACSA) International Journal of Advanced Computer Science and Applications*, Volume 12 No 6, 2021.
38. Heba Ibrahim, A. Abdo, Ahmed M. El Kerdawy, A. Sharaf Eldin. “Signal Detection in Pharmacovigilance: A Review of Informatics-driven Approaches for the Discovery of Drug-Drug Interaction Signals in Different Data Sources”, *Artificial Intelligence in the Life Sciences*, Elsevier, 2021.
39. Mohammed A.Farahat, , A. Abdo, Samar K. Kassim. “A Hybrid Approach for Protecting Clinical and Genomic Data using Lossless Stego-

- DNA Compression”, Computational Methods in Systems and Software 2021.**
- 40. Aya Radwan, A. Abdo, Sayed AbdelGaber. “An Approach for Requirements Engineering Analysis using Conceptual Mapping in Healthcare Domain”. International Journal of Advanced Computer Science and Applications(IJACSA), Volume 12 Issue 8, 2021.**
  - 41. Sayed AbdelGaber, A. Abdo, Laila Abdelhamid, Rasha Mansour Mohamed, “PSCCTEM Ontology to overcome pesticide paradox in Model Based Testing”, International Journal of Computer Science and Information Security (IJCSIS), Vol (19), August 2021.**
  - 42. Rasha Mansour Mohamed, Sayed AbdelGaber, Laila Abdelhamid, A. Abdo, “ONTOLOGICAL APPROACH FOR OVERCOMING PESTICIDE PARADOX IN INTER-CLASS TESTING”, Journal of Theoretical and Applied Information Technology, Vol. 100 No.09, May 2022.**
  - 43. O. Emam, A. Abdo and A. M. Youssef, “Solving Bi-Level Multi-Objective Quadratic Programming Problem with Neutrosophic Parameters in Objective Functions and Constraints Using Fuzzy Approach”, Journal of Statistics Applications & Probability, 11 (2) (2022), 1-10.**
  - 44. Karim M. Hassan; A. Abdo; Ahmed Yakoub. "Enhancement of Health Care Services Based on Cloud Computing in IOT Environment Using Hybrid Swarm Intelligence”. IEEE Access, Vol. 10, October 2022.**
  - 45. Amani Abdo, Kholoud Mohamed Elzalama, Ahmed Elsayed Yakoub. “A Machine Learning Model for Predicting Recovery**


**Rates of Covid-19 Patients”. Indonesian Journal of Electrical Engineering and Computer Science, May, 2023.**

46. Amani Abdo, Rasha Mostafa , and Laila Abdel-Hamid. An Optimized Hybrid Approach for Feature Selection Based on Chi-Square and Particle Swarm Optimization Algorithms. Journal of Data, MDPI, Vol.8, December 2023.
47. A.Abdo, Omnia Abdelkader , and Laila Abdel-Hamid . SA-PSO-GK++: A New Hybrid Clustering Approach for Analyzing Medical Data. IEEE Access, VOLUME 01, January 2023.
48. A.Abdo, Karamany, T.S., Yakoub, A., A Hybrid Approach to Secure and Compress Data Streams in Cloud Computing Environment, Journal of King Saud University - Computer and Information Sciences March,(2024).

	<p><b>❖ LANGUAGES</b></p> <ul style="list-style-type: none"> <li>English – Speak Very Good and Read/Write with High Proficiency</li> <li>Arabic – Mother Language.</li> </ul>
	<p><b>❖ IDE's and Tools</b></p> <p>Proficient or familiar with the following IDE's and Tools:</p> <p>Idle Python Programming.</p> <p>Microsoft Visual Studio 2008.</p> <p>Microsoft SQL Server 2000/2005.</p> <p>Turbo C, Porland C++, MS Visual C++ 6.0.</p> <p>Visual Coffee.</p>
	<p><b>❖ Databases</b></p> <p>Proficient or familiar with the following Databases:</p> <ul style="list-style-type: none"> <li>Postgresql</li> <li>Mysql</li> <li>MS SQL Server.</li> <li>MS Access.</li> </ul>

	<p>❖ <b>Operating Systems</b></p> <p>Proficient or familiar with the following operating systems:</p> <ul style="list-style-type: none"><li>· All Microsoft Windows versions.</li></ul>
	<p>❖ <b>Technologies</b></p> <p>Proficient or familiar with the following Technologies:</p> <ul style="list-style-type: none"><li>· Windows Forms Programming.</li><li>· PHP, ASP, XML, HTML, JavaScript, VBScript.</li></ul>
	<p>❖ <b>Programming Languages</b></p> <p>Proficient or familiar with the following programming languages:</p> <ul style="list-style-type: none"><li>· Python.</li><li>· Visual Basic</li><li>· C/C++.</li><li>· C#.</li><li>· JAVA.</li></ul>

	❖ COURSES TAUGHT	
	<ul style="list-style-type: none"><li>• Introduction to Databases.</li><li>• Advanced Databases.</li><li>• Big Data.</li><li>• Systems Analysis and Design.</li><li>• Programming 1 (in Python).</li><li>• Programming 2 (OOP).</li><li>• Introduction to Computers.</li><li>• Data Storage and Retrieval.</li><li>• Data Warehouses.</li><li>• Management Information systems.</li><li>• Internet Applications.</li><li>• Introduction to Bioinformatics.</li><li>• Software Engineering.</li><li>• Simulation and Modeling.</li><li>• Operation Research.</li><li>• Introduction to Bioinformatics.</li><li>• Medical Informatics.</li><li>• Hospital Management.</li><li>• Medical Databases.</li></ul>	

	أمانى محمد محمد محمد عبده	الاسم
	Amany Mohammed Mohammed Mohammed Abdo	Name
	A. Abdo	الاسم المستخدم فى النشر العلمى
	أستاذ نظم المعلومات- كلية الحاسبات والذكاء الاصطناعي	الوظيفة الحالية وجهة العمل
	أستاذ نظم المعلومات – جامعة حلوان - مصر	الدرجة العلمية (اسم الجامعة والدولة)
	نظم المعلومات	التخصص العام
	نظم المعلومات	التخصص الدقيق
	Amanyabdo_80@yahoo.com	البريد الإلكتروني
	بكالوريوس الحاسبات ونظم المعلومات – جامعة حلوان - ٢٠٠٠ ماجستير نظم المعلومات – جامعة حلوان - ٢٠٠٤ دكتوراة نظم المعلومات – جامعة حلوان - ٢٠١٠	المؤهلات العلمية
	مرفق	السيرة الذاتية
	<ol style="list-style-type: none"> <li>1. Ahmed Sharaf Eldin Ahmed, Samar Kassim, Taysir Soliman, Sayed AbdelGaber and Amany Abdo. "A Comparative Study of Protein Sequence Clustering Algorithms", Accepted for publication, Proceedings of International Joint Conferences on Computer, Information, and Systems Sciences, and Engineering Conference CISSE, University of Bridgeport, USA, 2009.</li> <li>2. Ahmed Sharaf Eldin Ahmed, Samar Kassim, Taysir Soliman, and Amany Abdo. "PI-CLUST: A Parallel-Incremental Protein CLUSTERing System", Accepted for publication, Journal of Biomedical Science and Engineering (JBSE), USA, November 2011.</li> <li>3. O. E. Emam, A. Abdo and N. H. Ibrahim. "Solving a multi-level large scale fractional programming problem under uncertainty", International Journal of Mathematical Archive-5(2), 75-82, February 2014.</li> <li>4. I. Heba, A. Amany, S. E. Ahmed, and S. Amr. "Novel data-mining methodologies for detecting drug-drug interactions: A review of pharmacovigilance literature", International Conference on Chemistry and Chemical Engineering (CCE 2014) - Advances in Environmental Sciences, Development and Chemistry; Santorini Island, Greece, June 2014.</li> <li>5. O. E. Emam, A. Abdo and N. F. Rizkalla. "An iterative goal for</li> </ol>	الأبحاث المنشورة

	<p>solving rough bi-level linear programming problem", International Journal of Mathematical Archive-5(7), 155-161, July 2014.</p> <p>6. O. E. Emam , A. M. Abdo and A. A. Abohany. "On Fuzzy Three Level Large Scale Linear Programming Problem", Journal of Statistics Applications &amp; Probability an International Journal. Pro. 3, No. 3, 307-315, November 2014.</p> <p>21. O. E. Emam, A. Abdo and N. H. Ibrahim. "Taylor Series Approach for Solving Multi-level Large Scale Fractional Programming Problem with Stochastic Parameters in Constraints", British Journal of Mathematics &amp; Computer Science. 6(2): 79-90, January 2015.</p> <p>22. Heba Ibrahim, Amr Saad, A. Abdo, A. Sharaf Eldin. "Mining association patterns of drug-interactions using post marketing FDA's spontaneous reporting data", Journal of Biomedical Informatics. Vol (60) 294–308, February 2016.</p> <p>23. O. E. Emam. A. Abdo. N. M. Bekhit. "A Multi-Level Multi-Objective Quadratic Programming Problem with Fuzzy Parameters on Objective Functions", INTERNATIONAL JOURNAL OF COMPUTERS &amp; TECHNOLOGY. April, 2016.</p> <p>24. A. Khedr, A. Abdo, A. Ammar. "A Proposed Framework for Data Mining Techniques in Learning System", International Journal of Advanced Research in Computer Science and Software Engineering (IJARCSSE). Vol 6 (3), March 2016.</p> <p>25. Y. Helmy, A. Abdo, R. Abdullah. "A Proposed Framework for Learning Style Prediction in Higher Education Environments", International Journal of Advanced Research in Computer Science and Software Engineering (IJARCSSE). Vol 6 (3), March 2016.</p> <p>Mohammed A. Farahat, A. Abdo, Samar A. Kassim, Khaled A. Bahnacy, Sanaa M. Kamal, Ahmed Sharaf Eldin. "Response Prediction for Chronic HCV Genotype 4 Patient</p> <p>21. Hussein Boshnak, Sayed Abdel Gaber, A. Abdo, Engy Yehia. "Ontology- Based Knowledge Modelling for Clinical Data Representation in Electronic Health Records", International Journal of Computer Science and Information Security (IJCSIS). Vol. 16, No. 10, October 2018.</p> <p>22. Hussein Boshnak, Sayed Abdel Gaber, A. Abdo, Engy Yehia. "Guidelines to Overcome the Electronic Health Records Barriers in Developing Countries", International Journal of Computer Applications (0975- 8887). Vol. 181 – No. 40, February 2019.</p>	
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23. O.E.Emam, A.Abdo, Mona M. Mahmoud. "An Adaptive Heart Disease Behavior-Based Prediction System ", International Journal of Advanced Computer Science and Applications. Vol. 10, No. 1, 2019.
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25. Engy Yehia, Hussein Boshnak, Sayed Abdel Gaber, A. Abdo, Doaa Elzanfaly. "Ontology-based clinical information extraction from physician's free-text notes", Journal of Biomedical Informatics. Volume 98, October 2019.  
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	<p><b>Approach for Requirements Engineering Analysis using Conceptual Mapping in Healthcare Domain". International Journal of Advanced Computer Science and Applications(IJACSA), Volume 12 Issue 8, 2021.</b></p> <p>27. Sayed AbdelGaber, A. Abdo, Laila Abdelhamid, Rasha Mansour Mohamed, "PSCCTEM Ontology to overcome pesticide paradox in Model Based Testing", International Journal of Computer Science and Information Security (IJCSIS), Vol (19), August 2021.</p> <p>28. Rasha Mansour Mohamed, Sayed AbdelGaber, Laila Abdelhamid, A. Abdo, "ONTOLOGICAL APPROACH FOR OVERCOMING PESTICIDE PARADOX IN INTER-CLASS TESTING", Journal of Theoretical and Applied Information Technology, Vol. 100 No.09, May 2022.</p> <p>29. O. Emam, A. Abdo and A. M. Youssef, "Solving Bi-Level Multi-Objective Quadratic Programming Problem with Neutrosophic Parameters in Objective Functions and Constraints Using Fuzzy Approach", Journal of Statistics Applications &amp; Probability, 11 (2) (2022), 1-10.</p> <p>30. Karim M. Hassan; A. Abdo; Ahmed Yakoub. "Enhancement of Health Care Services Based on Cloud Computing in IOT Environment Using Hybrid Swarm Intelligence". IEEE Access, Vol. 10, October 2022.</p> <p>Amani Abdo, Kholoud Mohamed Elzalama, Ahmed Elsayed Yakoub. "A Machine Learning Model for Predicting Recovery Rates of Covid-19 Patients". Indonesian Journal of Electrical Engineering and Computer Science, May, 2023.</p> <p>Amani Abdo, Rasha Mostafa , and Laila Abdel-Hamid. An Optimized Hybrid Approach for Feature Selection Based on Chi-Square and Particle Swarm Optimization Algorithms. Journal of Data, MDPI, Vol.8, December 2023.</p> <p>A.Abdo, Omnia Abdelkader , and Laila Abdel-Hamid . SA-PSO-GK++: A New Hybrid Clustering Approach for Analyzing Medical Data. IEEE Access, VOLUME 01, January 2023.</p> <p>A.Abdo, Karamany, T.S., Yakoub, A., A Hybrid Approach to Secure and Compress Data Streams in Cloud Computing Environment, Journal of King Saud University - Computer and Information Sciences March,(2024).</p>	
2023	AOU Teaching Excellence Award.	الجوائز
	<i>Description: This honor is a result of perseverance and commitment to teaching during the period I have worked as a professor at AOU.</i>	
2017	DELL EMC Award	

	<b>Award of Distinction</b> <i>Description: Awarded from DELL EMC for attendance and participation in big data course.</i>	
2004	<b>AUC Award</b> <i>AUC Adult Training Center, Cairo.</i> <i>Description: Awarded from AUC for supervising significant projects.</i>	
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1997 - 2000	<b>Faculty of Computers and Information Award</b> <i>Faculty of Computers and Information, Helwan University, Cairo.</i> <i>Description: Received cash awards from the University for my Academic Standard, for 3 years.</i>	