

## Personal Details

Name:	Khaled Mohamed Mahar
Date of Birth:	28-2-1963, Alexandria, Egypt.
Phone:	(201)006009366
Email:	<a href="mailto:khmahar@aast.edu">khmahar@aast.edu</a>

## Education and Academic Qualifications

Date		Name of Institution	Qualification obtained
From	To		
2006	Till Now	Arab Academy for Science and Technology & Maritime Transport, Alexandria, Egypt	Professor, Computer Science.
2002	2006	Arab Academy for Science and Technology & Maritime Transport, Alexandria, Egypt	Assistant Professor, Computer Science.
1991	1996	Faculty of Engineering, Cairo University, Egypt	PhD, Computer Engineering. Thesis Entitled: "Multispectral Image Identification by Using Clustering, Linear Analysis, and Neural Network Based on Fuzzy Logic System"
1987	1990	Faculty of Engineering, Alexandria University, Egypt	M.Sc., Computer Science and Automatic Control. Thesis Entitled; "Data Acquisition and Analysis of Sea Surface Parameters"
1982	1986	Faculty of Engineering, Alexandria University, Egypt	B.Sc., very good with degree of honor, Computer Science and Automatic Control.

## Present and Previous Employment

Date		Employer's name	post
From	To		
Nov. 2021	Till now	Arab Academy for Science and Technology & Maritime Transport, Alexandria, Egypt	Dean, Arab center for Artificial Intelligence
June 2015	Till now	Arab Academy for Science and Technology & Maritime Transport, Alexandria, Egypt	Assistant President for Academic development
Nov. 2014	June 2015	Arab Academy for Science and Technology & Maritime Transport, Alexandria, Egypt	Assistant President for Information Systems

Oct. 2012	Nov. 2014	College of Computing and Information Technology. Arab Academy for Science and Technology & Maritime Transport, Alexandria, Egypt	Dean
Sep. 2010	Oct. 2012	College of Computing and Information Technology. Arab Academy for Science and Technology & Maritime Transport, Alexandria, Egypt	Vice Dean for Academic and student affairs
July 2008	till Aug. 2010	College of Computing and Information Technology. Arab Academy for Science and Technology & Maritime Transport, Alexandria, Egypt	Head of Departments
Sep. 2003	July 2008	College of Computing and Information Technology. Arab Academy for Science and Technology & Maritime Transport, Alexandria, Egypt	Assistant Dean for Academic and student affairs
Aug. 1999	Sep. 2003	College of Engineering, Arab Academy for Science and Technology & Maritime Transport, Alexandria, Egypt	Asst. Prof, Computer Engineering Department
Sept. 1991	July 1999	King Saud University, Riyadh, Saudi Arabia.	Lecturer, College of Computer and Information Sciences
Dec. 1990	Aug. 1991	Coastal Research Institute, Alexandria, Egypt.	Researcher
July 1986	Dec. 1990	Coastal Research Institute, Alexandria, Egypt.	Research Assistant

### **Previous Part-time Employment**

<b>Date</b>		<b>Employer's name</b>	<b>post</b>
<b>From</b>	<b>To</b>		
July 1986	Jan. 1989	Computer Management institute (CMI) where my duties included teaching computer programming languages	Computer Instructor
Jan. 1989	June 1989	Quantum Computer Center where my duties included analysis, design and implementation of accounting, and inventory control systems	Analyst/programmer
Jan. 1991	March 1991	The Consultant Office for Systems where my duties included designing a program for protecting software packages.	Analyst/programmer

Feb. 1994	Jan. 1995	SDA corporation-Riyadh branch where my duties included the analysis and implementation of handwritten numeral recognition	Analyst/programmer
April 1997	May 1997	University of Sunderland, UK. Duties are the tutorial of Technical and Organizational Skills course for the students of the M.Sc. computer Based information systems.	Tutor in a joint program between Saudi computer society and the school of computer and information systems
Dec. 2006	Dec. 2006	Port said ports.	Consultant for the integrated e-management project

1. I taught the following courses at Arab Academy for Science and Technology & Maritime Transport, Egypt:
  - Computability and Complexity Applications
  - Advanced Artificial Intelligence
  - Digital Image Processing
  - Decision Support Systems
  - Pattern Recognition
  - Modeling and Simulation
  - Theory of Computation
  - Discrete Mathematics.
  - Project Management
  - Introduction to Networks.
  - Introduction to Microprocessors.
  - Structured Programming
  - OOP Programming
  - Introduction to Computer Science
  - Office automation.
  
2. I taught the following courses at KSU:
  - Computer Graphics.
  - Programming in BASIC.
  - Programming in FORTRAN.
  - Introduction to Computers.
  - Introduction to Data Base Systems.
  - Management of Data Processing Centers.
  - Microcomputer Applications.
  
3. In Coastal research institute, my duties included the following
  - Analysis and programming of scientific applications related to geology, oceanography, and coastal engineering.
  - Designing a data base system for coastal data.

- Participating in the maintenance of electronic measurement devices.
- System administrator for Micro VAX II.
- Designing a microprocessor-based system for acquiring and analysis of sea surface parameters.

### **Teaching Experience**

### **Academy Services**

- Coordinator for Final exams administration committee in the Computer Engineering Department, College of Engineering, AASTMT, Egypt [ 1999-2003]
- Participating in curriculum development for undergraduate and postgraduates programs, College of Computing and Information Technology, AASTMT, [2003-20015]
- (Alexandria), AASTMT, Egypt. [2003- now]
- College Board member, College of Computing and Information Technology
- (Alexandria), AASTMT, Egypt. [2003- now]
- Head of the inventory committee for computing devices, AASTMT [2004-2007]
- Head of the accountability committee, AASTMT [2013-2015]
- Head of the faculty affairs election committee [2017]
- Head of the grievance committee, AASTMT [2020- now]
- Participating in Task Forces for Policies and Procedures manual, AASTMT, Sharjah [2020].

## **Training and Industrial Experience**

- Attending successfully a course on "Computer assisted survey and design" for two months at the Salt River Project (SRP), Phoenix, Arizona, USA, July 1989.
- Attending successfully two courses on the use and administration of UNIX Operating System at NCR, Cairo, Egypt, April 1991.

## **Membership of Professional Institutions and Committees**

### **Technical Memberships**

- Coordinator and a member of Curriculum development committee - College of Computing and Information Technology, AASTMT.
- Member of information system committee, AASTMT [2007]
- Technical member for the ICCTA conference.
- Organizing committee member, and session-chair, ICCTA conference
- Technical member for ACIT conference, Arabic university union.
- Technical reviewer for Alexandria Engineering Journal
- Technical reviewer for International Journal of Computer and Information Technology (IJCIT)
- Member of the Faculty Promotions Committee, Taief University, Saudi Arabia

### **Professional Memberships:**

- Member of Egyptian Engineers Syndicate.
- Member of Scientific Computing Society, Egypt.
- Member of Saudi Computer Society (From 1991 to 1999)

## **Research interest**

Image Processing and Computer Vision, Machine Learning- Intelligent Systems, and Software Engineering

## **Current Research**

- Software effort estimation using hierarchical attention networks.
- Breast Cancer CAD Systems for Mass Detection and Classification using deep learning.
- A Hybrid Approach using Deep Learning for Intrusion Detection and Prevention System.
- 3D Automatic Alignment for teeth in orthodontics using machine learning.
- Arabic Sentiment Analysis using deep machine learning.
- Software fault detection using metaheuristic techniques.

## **Publications**

<https://scholar.google.com/eg/citations?user=LAHOkm4AAAAJ&hl=en>

- 1) K. Mahar, and M. S. Afifi, "Linear and correlation analysis for computerized identification of categories in Landsat images," International journal of remote sensing, vol. 16, no. 12, pp. 2277-2284, 1995.
- 2) K. Mahar, H. Dorrah, and M. S. Afifi, "Identification of earth resources from Landsat images using recurrent neural network," Proceedings of first Bahrain international conference on computers in industry, Bahrain university and IEE, Bahrain, , pp. 349-362, Nov. 1995.
- 3) K. Mahar, H. Dorrah, and M. S. Afifi, "A thresholding algorithm for color images based on principal analysis and the Laplacian-of-Gaussian filter," Proceedings of fourth middle east power system conference MEPCON'96, Assiut university and IEEE, Egypt, pp. 324-328, 1996.
- 4) K. Mahar, H. Dorrah, and M. S. Afifi, "A new technique for automatic identification of remote sensing images," Proceedings of 6th international conference on computer theory and applications, IEEE (Alexandria chapter), Arab Academy for sciences and technology, Alexandria, Egypt, pp. 373-377, 1996.
- 5) K. Mahar, H. Dorrah, and M. S. Afifi, "Multispectral image identification by elastic fuzzy logic based on neural network," Proceedings of 6th international conference on computer theory and applications, (ICCTA'1996), Alexandria, Egypt, pp. 379-383, Sep. 1996.
- 6) K. Mahar, "Ontogenic Neural Network for Pixel Classification of Remote Sensing Image," Proceedings of international conference on communications, computer, and power, ICCCP'98, College of Engineering, Sultan Qaboos University, Muscat, Sultanate of Oman, pp. 63-67, Dec. 1998.
- 7) K. Mahar, "Fuzzy-Neuron System Using A Genetic Algorithm With Application To Landsat Images Classification," Accepted for publication on the 7th international conference on artificial intelligence applications, The American University in Cairo, Cairo, Egypt, Feb. 1999.
- 8) K. Mahar, "An Evolutionary Connectionist Fuzzy System for Multispectral Data Classification," Proceedings of 10th international conference on computer theory and applications, ICCTA'2000, Arab Academy for sciences and technology, Alexandria, Egypt, Aug. 2000.
- 9) K. Mahar and M. T. Elsonni, "A Fast Fractal Image Coding Scheme Employing Multi-Domain Blocks for Each Range Block," Proceedings of 10th international conference on computer theory and applications, ICCTA'2000, Arab Academy for sciences and technology, Alexandria, Egypt, Aug. 2000.
- 10) A. Tobal and K. Mahar, "An Evolutionary Coupled Neural Oscillators With Application to Pattern Recognition," Journal of King Saud University, Vol. 13, Engineering Sciences, No. 2, pp.227-237, 2000.

- 11) K. Mahar and M. Hamza, "Fractal Image Compression by A Fast Nearest Neighbor Search with an Annular Constraint," Proceedings of 11th international conference on computer theory and applications, ICCTA'2001, Alexandria, Egypt, Aug. 2001.
- 12) M. Hamza, K. Mahar, Ashraf Soliman, "Software development Productivity Major Metrics and Function Point & Feature Point Estimation Model," Proceedings of 11th international conference on computer theory and applications, ICCTA'2001, Alexandria, Egypt, Aug. 2001.
- 13) M. Hamza, K. Mahar, and A. Khadragi, "Adaptive Function of Utility Driven Distribution for Mobile Agent Scheduling," Proceedings of the ISCA, 3rd international conference on information reuse and integration, Las Vegas, Nevada, USA, pp.140-145, Nov. 2001.
- 14) K. Mahar and M. T. Elsonni "A Fast Fractal Image Coding Approach Employing Fuzzy Aggregation of Domain Blocks," Proceedings of the 6th Conference of Digital Image Computing - Techniques and Applications, DICTA 2002, Melbourne, Australia, pp. 319-324, Jan 2002.
- 15) K. Mahar, "An Evolutionary Connectionist Fuzzy System for Multispectral Data Classification," Proceedings of the 6th Conference of Digital Image Computing - Techniques and Applications, DICTA 2002, Melbourne, Australia, pp. 151-156, Jan 2002.
- 16) Meer Hamza , Khaled Mahar and Sherif Hegazy : " Incremental Mining of Association Rules Using Data Cubes " Proceedings of IASTED , Malaga , Spain , September 2002.
- 17) Khaled Mahar, Meer Hamza and Sherif Hegazy "Adaptive Web Sites based on the ACM Incremental Mining" Proceedings of 13th international conference on computer theory and applications, ICCTA'2003, Arab Academy for sciences and technology, Alexandria, Egypt, Aug. 2003.
- 18) Meer Hamza, Khaled Mahar, and Mohamed Younis "NewSpirit: Sequential pattern mining with regular expression constraints," ACIT 2003, Alex, Egypt, Dec. 2003.
- 19) Meer Hamza, Khaled Mahar, and Mohamed Younis "Mining sequential Pattern with regular expression constraints using sequential pattern tree," ICEIS 2004, Porto, Portugal, April 2004.
- 20) G. Drahem, M. Abougabal, H. Sueyllam and K. Mahar, " BSPC: A novel bitmap-based scalable parallel classifier," Alexandria Engineering Journal, Vol. 44. No. 4, pp.585:595, July 2005.
- 21) Khaled M. Mahar and Ahmed M. Mahmoud, "An Intelligent mobile robot navigator using evolutionary fuzzy controller" Proceedings of 15th international conference on computer theory and applications, ICCTA'2005, Alexandria, Egypt, Sep. 2005.

- 22) Khaled Mahar," Automatic Generation Of University Timetables: An Evolutionary Approach, " Proceedings of IADIS International Conference Applied computing, San Sebastian, Spain, pp. 570:574, Feb. 2006.
- 23) Khaled Mahar and Ahmed Elderaa, "Software Project Estimation Model Using Function Point Analysis With CBR Support," Proceedings of IADIS International Conference Applied computing, San Sebastian, Spain, pp. 508:512, Feb. 2006.
- 24) Khaled Mahar and Mohamed Younis," Predicting Number of New Students in a Course Enrollment: A Data Mining Approach, "Proceedings of 4th international conference of informatics and systems, INFOS 2006, Cario Univeristy, March 2006.
- 25) Khaled Mahar, "JPEG Compressed Image Retrieval Based On Statistical Features And Blocks Co-Occurrence Matrix," "Proceedings of 4th international conference of informatics and systems, INFOS 2006, Cario University, March 2006.
- 26) Mohammed W. Ashour, Khaled M. Mahar, and Mahmoud F. Hussin," Artificial Neural Network For Texture Classification Using Several Features: A Comparative Study," ACIT 2007, Lattakia, Syria, Nov. 2007.
- 27) Mohammed W. Ashour, Mahmoud F. Hussin, and Khaled M. Mahar,"Supervised Texture Classification Using Several Features Extraction Techniques Based On ANN and SVM," accept in the 6th ACS/IEEE International Conference on Computer Systems and Applications (AICCSA-08), Doha, Qatar, April 2008.
- 28) Khaled Mahar, Saleh Mesbah, and Ibrahim Hammadi, "Transportation Network Design Using GIS-Based DSS: Baghdad Metro Case Study," World Scientific And Engineering Academy and Society Conference (WSEAS), Istanbul, Turkey, May 2007.
- 29) Shaaban Mahran, Khaled Mahar,"Using Grid for Accelerating Density-Based Clustering," , 8th IEEE International Conference on Computer and Information Technology, (CIT 2008), Sydney, Australia, pp. 35-40, July 2008.
- 30) Ashraf Shawky, Essam Kosba and Khaled Mahar, "Using Information Systems to Detect and Prevent Medications Errors and Adverse Drug Events: A Review Study," Proceedings of 18th international conference on computer theory and applications, ICCTA'2008, Arab Academy for sciences and technology, Alexandria, Egypt, Oct. 2008.
- 31) Khaled Mahar, Mohamed Kholief and Safaa Said, "Gene Function Prediction from Expression Data Using Machine Learning Techniques," Proceedings of 18th international conference on computer theory and applications,



ICCTA'2008, Arab Academy for sciences and technology, Alexandria, Egypt, Oct. 2008.

- 32) Samy Ayesh and Khaled Mahar, "A Robust Directional Filter Bank-Based Self Image Logo Watermarking Scheme Using Scalar Quantizer," the international arab conference on information technology, ACIT 2008, University of Sfax, Tunisia, Dec 2008.
- 33) Mohand Dawod, Ameen Shoukry and Khaled Mahar, "Combining Features Using Principle Component Analysis and Independent Component Analysis for Image Retrieval," Alexandria Engineering Journal, Vol. 48. No. 3, pp.273:278, May 2009.
- 34) Nour El-Din Mohamed, Ayman Abdel-Hamid, and Khaled Mahar, "Cluster-based Intrusion Detection Using Mobile Agents for Mobile Ad-Hoc Networks," Proceedings of 19th international conference on computer theory and applications, ICCTA'2009, Arab Academy for sciences and technology, Alexandria, Egypt, Oct. 2009.
- 35) Khaled Mahar Mohamed S. Ibrahim, and Mary Zarif, "Landmines Recognition System using Thermovision Technique' the 2009 IEEE International Conference on Image Processing, ICIP 2009, Cairo, Egypt, Nov. 2009.
- 36) Ossama M. Ismail, Khaled M. Mahar, Mohamed A. Taha, "An Enhanced Dynamic Parallel Model for Segment Trees," WCSET 2009 BANGKOK, THAILAND, December 25-27, 2009.
- 37) Nada Hany, Ayman Abdel-Hamid, and Khaled Mahar," threat-driven modeling framework for secure software using aspect-oriented stochastic petri nets," 7th international conference on informatics & systems (INFOS 2010), Cairo Univeristy, March 2010.
- 38) Walaa F. Ahmed, and Khaled M. Mahar, "Protein Structure Prediction Using an Intio Approach," Proceedings of 20th international conference on computer theory and applications, ICCTA'2010, Arab Academy for sciences and technology, Alexandria, Egypt, Oct. 2010.
- 39) Ashraf Shawky, Essam Kosba and Khaled Mahar, " Using Association Rule Mining to Detect Adverse Drug Events," Proceedings of 20th international conference on computer theory and applications, ICCTA'2010, Arab Academy for sciences and technology, Alexandria, Egypt, Oct. 2010.
- 40) Nada Farag, Khaled Mahar, Essam Kosba, " Agent-Based Adaptive Testing System," Proceedings of 20th international conference on computer theory and applications, ICCTA'2010, Arab Academy for sciences and technology, Alexandria, Egypt, Oct. 2010.

- 41) Mohammed Qatran, Khaled Mahar, and Ossama Ismail," Interest Points Matching System Based On Non-Subsampled Contourlet Transform," 2nd int. conference in computer technology and development ICCTD 2010, Cairo, Egypt, Nov. 2010.
- 42) Hager Hussein, Mahmoud Farouk, Khaled Mahar, and Osama Badawy, "Automatic Repair of Software Bugs," Annual International Conference on Software Engineering (SE 2010), Thailand, Dec 2010.
- 43) Eman Mohamed Abd El-Aziz, Saleh Mesbah, and Khaled Mahar," GIS-Based Decision Support System for Criminal Tracking," Proceedings of 22th international conference on computer theory and applications, ICCTA'2012, Arab Academy for sciences and technology, Alexandria, Egypt, Oct. 2012.
- 44) Reham Ebada<sup>1</sup>, Saleh Mesbah<sup>2</sup>, Essam Kosba<sup>3</sup>, and Khaled Mahar<sup>4</sup>," A GIS-Based DSS for Evacuation Planning," Proceedings of 22th international conference on computer theory and applications, ICCTA'2012, Arab Academy for sciences and technology, Alexandria, Egypt, Oct. 2012.
- 45) Saleh M., Khaled M., and Lubab A.," Multiple Classifiers for Improved Land Cover Classification and Change Detection," 2nd International Conference of Computer Science Innovation and Technology (CCSIT), Alexandria, Egypt, pp. 114-124, July 2013.
- 46) Marwa A. M. Abd Elwahab, Khaled M. Mahar , Hatem Abdelkader , Hatem Awad Khater," Combining R-Tree and B-Tree to Enhance the Quality of Spatial Queries," Proceedings of 23th international conference on computer theory and applications, ICCTA'2013, Arab Academy for sciences and technology, Alexandria, Egypt, Oct. 2013.
- 47) Khaled Mahar, Yasser Fouad and Nermeen El Kashef," Feature Extraction for Trajectory Representation of Sign Language Recognition," Proceedings of 23rd international conference on computer theory and applications, ICCTA'2013, Arab Academy for sciences and technology, Alexandria, Egypt, Oct. 2013.
- 48) Alaa Mohasseb, Maged El-Sayed and Khaled Mahar," Automated Identification of Web Queries using Search Type Patterns," International Conference on Web Information Systems and Technologies, WEBIST 2014, Barcelona, Spain, April 2014.
- 49) Belal Ali Alshami, Ossama M. Ismail and Khaled Mahar," Adaptive Dynamic Multiple Traffic Light Control System using Genetic Algorithm," International Journal of Advanced Research in Computer Science, Volume 5, No. 3, March-April 2014.

- 50) Mennatallah Ammar, Essam Kosba, and Khaled Mahar, "Measuring Organizations' readiness for Customer Relationship Management (CRM): A Comparative Study" Proceedings of 24th international conference on computer theory and applications, ICCTA'2014, Arab Academy for sciences and technology, Alexandria, Egypt, Oct. 2014.
- 51) Nermeen El Kashef Yasser Fouad Hassan Khaled Mahar Mustafa H. Fahmy, "Philosophy of gustatory perception strategy for hand gesture recognition", *Kybernetes*, Vol. 44 Iss 3 pp. 451 – 459, 2015.
- 52) Omnia Elsayed, Khaled M. Mahar, Hatem A. Khater, and Mohamed Kholief, "Automatic detection of the pulmonary nodules from CT Images," proceedings of SAI Intelligent Systems Conference 2015, London, UK, pp.742-746 Nov, 2015.
- 53) Bashar Ahmed, Sahar Q. Saleh and Khaled M. Mahar, "An Optimized Watermarking Technique Using Wavelet Packet and Singular Value Decomposition," Proceedings of the International Conference on Recent Advances in Computer Systems (RACS-2015), Hail, Saudi Arabia, Nov. 2015.
- 54) A. Hamed, N. A. Belal and K. M. Mahar, "Arabic Sign Language Alphabet Recognition Based on HOG-PCA Using Microsoft Kinect in Complex Backgrounds," 2016 IEEE 6th International Conference on Advanced Computing (IACC), Bhimavaram, India, 2016, pp. 451-458.
- 55) Moustafa Abdelaziz Moustafa, Shahira El-Metainy, Khaled Mahar, and Essam Mahmoud Abdel-magied, "Defining difficult laryngoscopy findings by using multiple parameters: A machine learning approach," *Egypt J Anaesth* (2017).
- 56) M Said, K Mahar, K Eskaf, "Gene annotations prediction using singular value decomposition and independent component analysis," 2017 2nd IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology (RTEICT) 2017, pp. 1957-1961.
- 57) N El Kashef, Y Fouad, K Mahar, "An automatic changeable edge detection model for digital images," *J Comput Sci Syst Biol*, 2017, pp. 56-60.
- 58) Mohamed, R. E., Kosba, E., Mahar, K. and Mesbah, S. "A framework for emergency-evacuation planning using GIS and DSS," In *Information Fusion and Intelligent Geographic Information Systems*, Springer, 2018, Cham, 213–226.
- 59) A Bentaher, Y Fouad, K Mahar, "Online Incremental Rough Set Learning in Intelligent Traffic System," *International Journal of Advanced Computer Science and Applications* 9 (3), 2018, pp. 77-82.

- 60) Hassan, N. M., Hamad, S. & Mahar, K. Mammogram breast cancer CAD systems for mass detection and classification: a review. *Multimedia Tools Appl* (2022). <https://doi.org/10.1007/s11042-022-12332-1>
- 61) Mahmoud O. Radwan, Khaled M. Mahar, and Ahmed A. Sedky, "Obstacles Avoidance of Self-driving Vehicle using Deep Reinforcement Learning", 31<sup>st</sup> International Conference on Computer Theory and Applications, 2021.
- 62) Haithem Kassem, Khaled Mahar, Amani Saad," Software Effort Estimation Using Hierarchical Attention Neural Network," *Journal of Theoretical and Applied Information Technology*, vol 100, issue 18, 2022.
- 63) Hassan, N.M., Hamad, S., Mahar, K. (2022). A Deep Learning Model for Mammography Mass Detection Using Mosaic and Reconstructed Multichannel Images. In: Gervasi, O., Murgante, B., Hendrix, E.M.T., Tanir, D., Apduhan, B.O. (eds) *Computational Science and Its Applications – ICCSA 2022*. ICCSA 2022. Lecture Notes in Computer Science, vol 13375. Springer, Cham. [https://doi.org/10.1007/978-3-031-10522-7\\_37](https://doi.org/10.1007/978-3-031-10522-7_37).
- 64) Shaymaa Farid Fawzy Mohamed Asal ,Khaled M. Mahar ,Mahmoud Beshr," Industry 4.0 Technologies Adoption: The Impact Of Digital Leadership And Organizational Learning On Value-Based Digital Transformation An Applied Study On Egypt's Oil And Gas Sector", *webology journal*, vol.19, issue 3, pp. 1284-1297, 2022.
- 65) Hashem Fekry Nematallah, Ahmed Ahmed Hesham Sedky, Khaled Mohamed Mahar, "Bitcoin Price Trend Prediction Using Deep Neural Network", *Webology* (ISSN: 1735-188X) Volume 19, Number 3, 2022.
- 66) Haithem Kassem, Khaled Mahar and Amani A. Saad, "Story Point Estimation Using Issue Reports With Deep Attention Neural Network", In *e-Informatica Software Engineering Journal*, vol. 17, no. 1, pp. 230104, 2023. DOI: 10.37190/e-Inf230104.