MOHAMED ABDO MOHAMED ALI KASSEM
ASSISTANT PROFESSOR
ROBOTICS DEPARTMENT
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Google Scholar	Web of Science	Scopus	ORCID	ResearchGate

- **I am deeply honored to have been among the faculty members who had welcoming His Excellency President Abdel Fattah El-Sisi, President of the Arab Republic of Egypt, during his visit to the Faculty of Artificial Intelligence at Kafrelsheikh University.**
- **I am delighted to be among the top 2% of scientists worldwide, according to the Stanford ranking.**
- **I was promoted by the Permanent Scientific Committee for the Promotion of Professors and Assistant Professors to the rank of Assistant Professor (Scientific Excellence).**

CURRENT:	➢ Vice Dean for Education and Student Affairs – Faculty of Artificial Intelligence – Kafrelsheikh University – Cairo ➢ Assistant Professor – Robotics and Intelligent Machines Department – Faculty of Artificial Intelligence – Kafrelsheikh University – Cairo. ➢ Director of the E-Learning Unit – Kafrelsheikh University – Cairo. ➢ Director of the Artificial Intelligence and Intelligent Systems Consulting Center. ➢ Scientific reviewer for several international journals.
EXPERIENCE:	➢ Certified trainer from the National Training Academy (NTA). ➢ Certified trainer from the Presidential Program "Mawda". ➢ Director of the Quality Assurance Unit at Faculty of Artificial Intelligence. ➢ Project supervisor – Egypt Higher Institute of Commerce and Computers ➢ Part-time Secondment– Delta University. ➢ Part-time Secondment – Damietta University. ➢ Part-time Secondment – Badr University. ➢ Training of trainee's course (TOT) from the National Training Academy. ➢ Consultative member for data center unit of digital transformation – Kafrelsheikh governorate. ➢ Senior Assistant Lecturer – Robotics Department – Faculty of Artificial Intelligence – Kafrelsheikh University University – Cairo. ➢ Lecturer - Information System Department- French University in Egypt. ➢ Senior Assistant Lecturer-information system department- Modern Academy-Cairo. ➢ Assistant Lecturer – Manzala Academy. ➢ Assistant Lecturer – Omalia University – Mansoura Branch. ➢ Senior Medical Software engineer, Consensus Medical Canadian company. ➢ Medical Software Engineer in Health Insight Company.

	➢ PHP developer in Dot Com French Company. ➢ Image processing using Artificial Neural Network. ➢ One of the winners in the start with Google 1st stage. ➢ Very active communication with users and clients.Part-Time Instructor at Mogamaa El-Eman Training Center. ➢ Project manager - Al-Khaleej company Kingdom of Saudi Arabia& other Gulf area branches • Design System Architecture. • Manage Process Requirements. • Solving runtime bugs. • Manage junior developers working on the projects. • Testing the qualification of the software application.
PUBLICATIONS:	1) Soaad M Naguib, Mohammad K Saleh, Hanaa M Hamza, Khalid M Hosny, Mohamed A Kassem, "A new superfluity deep learning model for detecting knee osteoporosis and osteopenia in X-ray images", Scientific Reports, 14, 2024. 2) Soaad M Naguib, Mohamed A Kassem, Hanaa M Hamza, Mostafa M. Fouda, Mohammad K Saleh, Khalid M Hosny, "Automated system for classifying uni-bicompartmental knee osteoarthritis by using redefined residual learning with convolutional neural network", Heliyon, Vol. 10, No. 10, 2024. 3) Khalid M. Hosny, Wael Said, Mahmoud Elmezain, Mohamed A. Kassem, "Explainable deep inherent learning for multi-classes skin lesion classification", Applied Soft Computing, Volume 159, 2024, 4) Mohamed A Kassem, Amr A. Abohany, Amr A. Abd El-Mageed, Khalid M Hosny "A Novel Deep Learning Model for Detection of Inconsistency in E-commerce Websites", Neural Computing and Applications, Vol.36, No. 17. Pp. 10339-10353, 2024. 5) Mohamed A Kassem, Soaad M Naguib, Hanaa M Hamza, Mostafa M. Fouda, Mohammad K Saleh, Khalid M Hosny "Explainable Transfer Learning-Based Deep Learning Model for Pelvis Fracture Detection", International Journal of Intelligent Systems, vol. 2023, 2023. 6) Yousef S. Alsahafi, Mohamed A. Kassem, and Khalid M. Hosny, "Skin-Net: A Novel Deep Residual Network for Skin Lesions Classification using Multilevel Feature Extraction and Cross-Channel Correlation with Detection of Outlier", journal of Big Data, Vol. 10, No. 105, 2023. 7) Soaad M Naguib, Hanaa M Hamza, Khalid M Hosny, Mohammad K Saleh, Mohamed A Kassem, "Classification of Cervical Spine Fracture and Dislocation Using Refined Pre-Trained Deep Model and Saliency Map", Diagnostics, Vol. 13, No. 7,2023 8) M. M. Eltoukhy, K. M. Hosny, and M. A. Kassem, "Classification of Multiclass Histopathological Breast Images Using Residual Deep Learning", Computational Intelligence and Neuroscience, 2022. 9) K. M. Hosny, and M. A. Kassem, "Refined Residual Deep Convolutional Network for Skin Lesion Classification", Journal of Digital Imaging, 2022. 10) M. A. Kassem, K. M Hosny, R. Damaševičius, and Mohamed M. Eltoukh, "Machine Learning and Deep Learning Methods for Skin Lesion Classification and Diagnosis: A Systematic Review", Diagnostics, Vol.11, no. 8, pp. 1390, 2021. 11) M. A. Kassem, K. M Hosny, and M. M. Foaud, "Classification of Skin Lesions into Seven Classes Using Transfer Learning with AlexNet", Journal of Digital Imaging, Vol. 33, No. 5, pp. 1325-1334, 2020. 12) M. A. Kassem, K. M. Hosny, and M. M. Foaud, "Skin lesions classification into eight classes for ISIC 2019 using deep convolutional neural network and transfer learning", IEEE Access, Vol. 8, pp. 114822-114832, 2020. 13) M. A. Kassem, K. M Hosny, and M. M. Foaud, "Skin melanoma classification using ROI and data augmentation with deep convolutional neural networks", Multimedia Tools and Applications, Vol. 79, No. 33, pp. 24029-24055, 2020.

	14) M. A. Kassem, K. M. Hosny, and M. M. Foaud, "Skin melanoma classification using deep convolutional neural networks", Deep Learning in Computer Vision: Principles and Applications, CRC Press, 291, 2020.M. A. Kassem, K. M. Hosny, and M. M. Foaud, "Classification of skin lesions using transfer learning and augmentation with Alex-net", PloS one, Vol. 14, No. 5, 2019. 15) M. A. Kassem, K. M. Hosny, and M. M. Foaud, "Skin Cancer using Deep Learning and Transfer Learning", 9th Cairo International Biomedical Engineering (CIBEC), IEEE, pp. 90-93,2018. 16) M. A. Kassem, N. E. Mekky, and R. M EL-Awady "An Enhanced ATM Security System using Multimodal Biometric Strategy", IJECS-IJENS, Vol. 14, No. 4, pp. 9-16, 2014. 17) Various research papers were submitted and are under review.
EDUCATION	
8\2020	PhD degree, Information Technology Department, Faculty of Computers and Information – Zagazig University – Cairo. Thesis name: "ON Using Digital Image Processing in Identification of Skin Diseases".
9\2017	Pre-doctorate, information technology department, faculty of computers and information – Zagazig University – Cairo.
7/2015	M.Sc. in Information Technology from Faculty of Computer and Information Science – Mansoura University – Cairo. Thesis name: "An ATM Identity and Authentication System based on Biometrics".
2011/2012	Pre-Master Information Technology degree.
2004-2008	B.Sc. Computers and Information, Mansoura University, Dakahleya. Department: Computer Science. **Graduation Project**: Name: "Web Monitoring and Controlling of Industrial System" *Description*: A new way to control and monitor the machines (on/off) via the internet with temperature and quantity of product. *Role:* Team Leader, Architect design, Coder, and Network programming. *Tools:* JAVA
IBM CERTIFICATES:	➢ Predictive Analytics Modeler - Explorer Award ➢ Watson Machine Learning ➢ Natural Language Processing V2 ➢ Machine Learning ➢ IBM Watson V2 ➢ Predictive Analytics Modeler - Mastery Award ➢ Artificial Intelligence Analyst - Mastery Award
KNOWLEDGE:	➢ Good understanding of Requirements and Design Issues. ➢ Very Good understanding of Object-Oriented Programming. ➢ Good understanding of Database Design and implementation. ➢ Good understanding of Analysis and design methodology.
TEACHING COURSES:	➢ Algorithms ➢ Artificial Intelligence ➢ Explainable Artificial Intelligence (XAI) ➢ Multi Agent Design Systems ➢ Intelligent decision support systems ➢ Explainable Artificial Intelligence ➢ Computer Vision and Robotics ➢ Objected Oriented Programming

TEACHING COURSES:	➢ Machine Learning ➢ Genetic Algorithm and Neural Network ➢ Natural Language Processing ➢ Advanced Natural Language Processing ➢ Logic Design ➢ Image Processing ➢ Software Verification ➢ Software Testing ➢ Databases ➢ Data Structures ➢ Structured Programming ➢ Problem-Solving ➢ Computer Graphics ➢ Signal Processing ➢ Bioinformatics ➢ Biometrics ➢ Discrete Structure

LANGUAGES

	Understand	Write	Speak
Arabic	Good	Good	Good
English	Good	Good	Good

SOFT SKILLS

- High ability to communicate with people with excellent communication skills.
- Ability to work with different teamwork on many projects.
- Working under pressure.
- Self-motivation and education.
- Effective Presentation.
- Time Management.
- Strategic Planning.

TOMORROW

- **Master** of Business Administration**.**
- **Prepare** different research papers.

PERSONAL DATA

- Date of Birth: November 5, 1987.
- Place of Birth: Mansoura.
- Marital Status: Married.
- Military Status: Exemption.