Curriculum Vitae

Personal Information

Name: Mohammed Mahfouz Mohammed Elmogy

Nationality: Egyptian

Gender: Male

Marital Status: Married

Date of Birth: 11-05-1975

Current Job:

- **Professor** and **Head** of the Information Technology Department, Faculty of Computers and Information, Mansoura University, Egypt.
-
- **Vice Dean for Education and Students Affairs**, Faculty of Computers and Information, Mansoura University, Egypt.

Contact Information

E-mail:

- melmogy@mans.edu.eg
- elmogy@gmail.com

Address:

- **Home:** 17 Elsad Elaly Street, Takseem Elzany, Sherbin, Dakahlia, Egypt.
- **Work:** 60 Elgomhoria Str., Department of Information Technology, Faculty of Computers and Information, Mansoura University, 35516 Mansoura, Egypt.

Phone:

- **Cell Phone:** +20 109 888 9791
- **Home Phone:** +20 50 3929044

Academic Statistics

- **Google Scholar: H-index (29), i10-index (79)**

- **Scopus: H-index (20)**
- **Research Publications (Total: 237)**
  - **Peer-Reviewed Journal Manuscripts: 120**
  - **Book Chapters: 23**
  - **Peer-Reviewed Conference Proceeding Manuscripts: 67**
  - **Abstracts Published in Proceedings: 25**
  - **Patents: 2**
- **Theses Supervision**
  - **Finished Ph.D.: 12**
  - **Finished M.Sc.: 25**
  - **Current Ph.D.: 10**
  - **Current M.Sc.: 17**

Biography

Mohammed Elmogy is a professor and head of the Information Technology Dept., Faculty of Computers and Information, Mansoura University, Egypt. He is also working as a vice dean for education and students affairs, Faculty of Computers and Information, Mansoura University. He received his B.Sc. and M.Sc. from the Faculty of Engineering, Mansoura University, Mansoura, Egypt. He received his Ph.D. from Informatics Department, MIN Faculty, Hamburg University, Hamburg, Germany, in 2010. He worked as a visiting researcher from July 2016 to August 2019 at the bioengineering department, University of Louisville, Louisville, USA. He has authored/co-authored over 250 research publications in peer-reviewed reputed journals, book chapters, and conference proceedings. Most of his publications are in artificial intelligence, machine learning, computer vision, medical data analysis, and their applications. He has served as a reviewer for various prestigious international journals, such as Artificial Intelligence in Medicine, Computers in Biology and Medicine, Information Sciences, IEEE Journal of Biomedical and Health Informatics, and IEEE Access. He served as a technical program committee member in many workshops and conferences. He served as a member of the editorial board of many journals, such as Computers in Biology and Medicine, Journal of Software Engineering & Intelligent Systems, and International Journal of Advanced Computer Research. He is a senior member of the IEEE society, membership since 2008. He has been a professional member of the ACM society since 2011. He advised and co-advised more than 40 master's and doctoral graduates. His current research interests are artificial intelligence, computer vision, medical image analysis, machine learning, pattern recognition, and biomedical engineering.

Scientific Profile

- **ORCID:** https://orcid.org/0000-0002-2504-6051
- **Google Scholar:** https://scholar.google.com.eg/citations?user=850KM_gAAAAJ&hl=en

- **ResearchGate:** https://www.researchgate.net/profile/Mohammed_Elmogy
- **Scopus:** https://www.scopus.com/authid/detail.uri?authorId=33567709900
- **IBM Badges:** https://www.credly.com/users/mohammed-elmogy/badges

Research Interests

- Artificial Intelligence and Machine Learning
- Computer Vision and Image Processing.
- Medical Image Analysis
- Soft Computing and Pattern Recognition.
- Biomedical Engineering
- Autonomous Robot Navigation and Motion Planning.

Qualifications

Doctorate in Computer Science: Department of Informatics, MIN Faculty, University of Hamburg, Germany, 2010.

- **Thesis Title**: Humanoid Robot Navigation Based on a Multimodal Cognitive Interface.

Master's Degree in Engineering: Department of Computer Engineering and Systems, Faculty of Engineering, Mansoura University, Egypt, 2000.

- **Thesis Title:** Intelligent Expert System for Articulate English Text Machine Reader.

Bachelor in Electronics Engineering: Electronics Department, Faculty of Engineering, Mansoura University, Egypt, 1997.

- **Graduation Project:** Automatic Secretary System.

Job Grades

- **Professor:** Information Technology Department, Faculty of Computers and Information, Mansoura University, Egypt, since April 2021.
- **Associate Professor:** Information Technology Department, Faculty of Computers and Information, Mansoura University, Egypt, February 2016-April 2021.

- **Visiting Researcher:** Bioengineering Department, Speed School of Engineering, University of Louisville, Louisville, KY 40292, USA, July 2016 - August 2019.
- **Assistant Professor**: Information Technology Department, Faculty of Computers and Information, Mansoura University, Egypt, February 2014- February 2016.
- **Assistant Professor**: Information System Department, Faculty of Computers and Information, Mansoura University, Egypt, February 2011- February 2014.
- **Doctoral Student:** Technical Aspects of Multimodal Systems (TAMS) Group, Informatics Department, University of Hamburg, Germany, November 2006 – October 2010.
- **Assistant Lecturer:** Department of Information Systems, Faculty of Computers and Information, Mansoura University, Egypt, December 2002 – November 2006.
- **Research Assistant:** Computers and Systems Department, Faculty of Engineering, Mansoura University, Egypt, October 1998 - November 2002.

Management Positions

- **Head of the Information Technology Department**, Faculty of Computers and Information, Mansoura University, Egypt, since August 2021.
- **Manager of the Bioinformatics Specific Program**, Faculty of Computers and Information, Mansoura University, Egypt, since November 2021.
- **Scientific Representative for National Telecommunication Institute (NTI): Mansoura University Branch,** since 01/07/2022.
- **Manager of the Quality Assurance Unit:** Faculty of Computers and Information, Mansoura University, from 08/10/2019 to 07/10/2022.
- **Manager of the Quality Assurance Unit:** Faculty of Computers and Information, Mansoura University, from 22/9/2014 to 21/9/2017.
- **Vice Manager of the Quality Assurance Unit:** Faculty of Computers and Information, Mansoura University, from 3/10/2011 to 21/9/2014.

Certified Instructor

- **Artificial Intelligence Instructor, Huawei.**
- **Artificial Intelligence Analyst Instructor, IBM.**
- **IoT Cloud Developer Instructor, IBM.**

- **Predictive Analytics Modeler Instructor, IBM.**
- **Certified Instructor, Supreme Council of Universities.**
- **Freelancer Instructor, Microsoft Egypt and Care Egypt.**

Scientific Research (Total=237)

Peer-Reviewed Journal Manuscripts (Total =120):

[1] Ahmed, H., Soliman, H., El-Sappagh, S., Abuhmed, T., and **Elmogy, M.**: **Early Detection of Alzheimer's Disease Based on Laplacian Re-Decomposition and XGBoosting, Computer Systems Science and Engineering**, Vol.46, No.3, pp. 2773-2795, 2023, DOI:10.32604/csse.2023.036371

[2] Abd El-Ghany, S., **Elmogy, M.**, Abd El-Aziz, A. A.: **A fully automatic fine tuned deep learning model for knee osteoarthritis detection and progression analysis**, Egyptian Informatics Journal, Vol. 24, pp. 229–240, 2023.

[3] El-Ghany, S. A., Azad, M., **Elmogy, M.**: **Robustness Fine-Tuning Deep Learning Model for Cancers Diagnosis Based on Histopathology Image Analysis**, Diagnostics 2023, 13, 699. https://doi.org/10.3390/diagnostics13040699

[4] Abd El-Ghany, S., **Elmogy, M.**, El-Aziz, A.: **Computer-Aided Diagnosis System for Blood Diseases Using EfficientNet-B3 Based on a Dynamic Learning Algorithm**, Diagnostics 2023, 13, 404. https://doi.org/10.3390/diagnostics13030404

[5] Ali, A., Abu-Elkheir, M., Atwan, A., and **Elmogy, M.**: **Missing values imputation using Fuzzy K-Top Matching Value**, Journal of King Saud University – Computer and Information Sciences, Vol. 35, pp. 426-437, 2023.

[6] Almuayqil, S. N., Abd El-Ghany, S., **Elmogy, M.**: **Computer-Aided Diagnosis for Early Signs of Skin Diseases Using Multi Types Feature Fusion Based on a Hybrid Deep Learning Model**, Electronics 2022, 11, 4009. https://doi.org/10.3390/electronics11234009

[7] Tharwat, M., Sakr, N.A., El-Sappagh, S., Soliman, H., Kwak, K.-S., **Elmogy, M.**: **Colon Cancer Diagnosis Based on Machine Learning and Deep Learning: Modalities and Analysis Techniques**, Sensors 2022, 22, 9250. https://doi.org/10.3390/s22239250

[8] Adel, E., El-Sappagh, S., Barakat. S., Kwak, K. S., and **Elmogy, M.**: **Semantic Architecture for Interoperability in Distributed Healthcare Systems**, IEEE Access, Vol. 10, 22364264, pp. 126161 – 126179, DOI: 10.1109/ACCESS.2022.3223676

[9] Ouda, O., AbdelMaksoud, E., Abd El-Aziz, A. A., **Elmogy, M.: Multiple Ocular Disease Diagnosis Using Fundus Images Based on Multi-Label Deep Learning**

Classification, Electronics 2022, 11, 1966. https://doi.org/10.3390/electronics11131966

[10] Ahmed, H., Soliman, H., and **Elmogy, M.**: **Early detection of Alzheimer's disease using single nucleotide polymorphisms analysis based on gradient boosting tree**, Computers in Biology and Medicine, Elsevier, Vol. 146, 105622, 2022, https://doi.org/10.1016/j.compbiomed.2022.105622

[11] AbdelMaksoud, E., Barakat, S., and **Elmogy, M.**: **A computer-aided diagnosis system for detecting various diabetic retinopathy grades based on a hybrid deep learning technique**, Medical & Biological Engineering & Computing, Springer Nature, 2022, https://doi.org/10.1007/s11517-022-02564-6

[12] Helmy, M., Eldaydamony, E., Mekky, N., **Elmogy, M.**, and Soliman, H.: **Predicting Parkinson Disease Related Genes Based on PyFeat and Gradient Boosted Decision Tree**, Scientific Reports, Springer Nature, 2022 (Accepted)

[13] Al-Saeed, Y., Gab-Allah, W., Soliman, H., Abulkhair, M., Shalash, W., and **Elmogy, M.**: **Efficient Computer Aided Diagnosis System for Hepatic Tumors Using Computed Tomography Scans**, Computers, Materials, & Continua; Vol. 71, no. 3, pp. 4871-4894, 2022, DOI:10.32604/cmc.2022.023638

[14] Sleem, R., Mekky, N., El-Sappagh, S., Alarabi, L., Hikal, N., and **Elmogy, M.**: **Enhancing Task Assignment in Crowdsensing Systems Based on Sensing Intervals and Location**, Computers, Materials, & Continua; Vol. 71, no. 3, pp. 5619-5638, 2022, DOI:10.32604/cmc.2022.023716

[15] Fayed, N., **Elmogy, M.**, Atwan, A., and El-Daydamony, E.: **Efficient Occupancy Detection System Based on Neutrosophic Weighted Sensors Data Fusion**, IEEE Access, Vol. 10, pp. 13400 – 13427, 2022, **DOI:** 10.1109/ACCESS.2022.3146346

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[18] Hasan, L., El-Gayar, M., and **Elmogy, M.**: **Steganography Analysis for Color Images Based on LSB and RSA Algorithms**, Ciencia e Tecnica Vitivinicola Journal, Vol. 37, No. 6, 2022.

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[20] Nader, N., El-Gamal, F. E., El-Sappagh, S., Kwak, K. S., and **Elmogy, M.**: **Kinship verification and recognition based on handcrafted and deep learning feature-**

based techniques, PeerJ Computer Science, Vol., 7, No. e735, 2021, https://doi.org/10.7717/peerj-cs.735

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[22] Ahmed, H., Alarabi, L., El-Sappagh, S., Soliman, H., and **Elmogy, M.**: **Genetic variations analysis for complex brain disease diagnosis using machine learning techniques: opportunities and hurdles**, PeerJ Computer Science, Vol., 7, No. e697, 2021, https://doi.org/10.7717/peerj-cs.697

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[24] El-Gamal, F. A., **Elmogy, M.**, Mahmoud, A., Shalaby, A., Switala, A., Ghazal, M., Soliman, H., Atwan, A., Alghamdi, N., Barnes, G. N., and El-Baz, A.: **A Personalized Computer-Aided Diagnosis System for Mild Cognitive Impairment (MCI) Using Structural MRI (sMRI)**, Sensors, Vol. 21, No. 16, 5416, 2021, https://doi.org/10.3390/s21165416

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[35] Shoaip, N., Rezk, A., El-Sappagh, S., Alarabi, L., Barakat, S, and **Elmogy, M.**: **A Comprehensive Fuzzy Ontology-Based Decision Support System for Alzheimer's Disease Diagnosis**, IEEE Access, Vol. 9, pp. 31350 - 31372, 31 December 2020, DOI: 10.1109/ACCESS.2020.3048435

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[38] Elazab, N., Soliman, H., El-Sappagh, S., Riazul Islam, S. M., and **Elmogy, M.**: **Objective Diagnosis for Histopathological Images Based on Machine Learning Techniques: Classical Approaches and New Trends**, Mathematics, vol. 8, no. 11, 1863, 2020, https://doi.org/10.3390/math8111863

[39] Ibraheem, M. R., El-Sappagh, S., Abuhmed, T., and **Elmogy, M.**: **Staging Melanocytic Skin Neoplasms Using High-Level Pixel-Based Features**, *Electronics* 2020, vol. *9*, no. 9, 1443; https://doi.org/10.3390/electronics9091443

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[41] Adel, E., El-Sappagh, S., **Elmogy, M.**, Barakat, S., and Kwak, K.: **A Fuzzy Ontological Infrastructure for Semantic Interoperability in Distributed Electronic Health Record**, Intelligent Automation & Soft Computing (AUTOSOFT) Journal, TSP, vol 26, no. 2, pp. 237-251, 2020.

[42] Al-Saeed, Y., Soliman, H., and **Elmogy, M.**: **A Comprehensive Review of Medical Image Analysis Techniques for Liver Disorders**, Jordan Journal of Electrical Engineering, Vol. 6, No. 4, pp. 274-295, 2020.

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[44] El-Sappagh, S., **Elmogy, M.**, Ali, F., Abuhmed, T., Riazul Islam, S., and Kwak, K.: **A Comprehensive Medical Decision–Support Framework Based on a Heterogeneous Ensemble Classifier for Diabetes Prediction**, Electronics, vol. 8, no. 6, pp. 635, https://doi.org/10.3390/electronics8060635, 2019.

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[46] Elsayed, W. M., **Elmogy, M.**, and El-Desouky, B. S.: **Computational Analysis of DNA Sequences Based upon an Innovative Mathematical Hybridization Mechanism of Probabilistic Cellular Automata and Particle Swarm Optimization**, Journal of Theoretical and Applied Information Technology, Vol.98, Issues 04, 2020.

[47] Shalaby, A., **Elmogy, M.** and Elfetouh, A. A.: **3D image reconstruction from different image formats using marching cubes technique**, Int. J. Computational Vision and Robotics, vol. 9, no. 3, pp. 293-309, 2019.

[48] Shariha, G., **Elmogy, M.**, El-Daydamony, E., and Atwan, A.: **Multiple Pedestrian Detection Depending on Faster Region-based Convolutional Neural Network (RCNN)**, Mansoura Journal for Computers and Information Sciences, 2019.

[49] García-Zapirain, B., **Elmogy, M.**, Elmaghraby, A., and El-Baz, A.: **Classification of Pressure Ulcer Tissues with 3D Convolutional Neural Network**, Medical &

Biological Engineering & Computing Journal, June 15, 2018. doi: 10.1007/s11517-018-1835-y

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[52] Sandhu, H., Eladawi, N., **Elmogy, M.,** Keynton, R., Helmy, O., Schaal, S., and El-Baz, A.: **Automated diabetic retinopathy detection using optical coherence tomography angiography: a pilot study**, British Journal of Ophthalmology, http://dx.doi.org/10.1136/bjophthalmol-2017-311489, 2018.

[53] El-Gamal, F., **Elmogy, M.**, Ghazal, M., Atwan, A., Casanova, M., Barnes, G., Keynton, R., El-Baz, A., and Khalil, A.: **A Novel Early Diagnosis System for Mild Cognitive Impairment Based on Local Region Analysis: A Pilot Study**, Frontiers in Human Neuroscience, Vol. 11, no. 643, pp. 1-10, 2018.

[54] Eladawi, N., **Elmogy, M.**, Ghazal, M., Helmy, O., Aboelfetouh, A., Riad, A., Schaal, S., and El-Baz, A.: **Classification of retinal diseases based on OCT Images**, Frontiers in Bioscience, Landmark, vol. 23, pp. 247-264, January 2018.

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[57] Mohammed, K., Tobla, A. S., and **Elmogy, M.**: **Multimodal Wireless System for Instant Quizzing and Feedback**, Mansoura journal for computer and information sciences, 2018.

[58] Goweda, A. F., **Elmogy, M.**, and Barakat, S.: **A Wrapper Feature Selection Technique for Improving Diagnosis of Breast Cancer**, Mansoura journal for computer and information sciences, 2018.

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[61] Eladawi, N., **Elmogy, M.**, Helmy, O., Aboelfetouh, A., Riad, Sandhu, H., A., Schaal, S., and El-Baz, A.: **Automatic Blood Vessels Segmentation Based on Different Retinal Maps from OCTA Scans**, Computers in Biology and Medicine, vol. 89, pp. 150-161, October 2017.

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[18] Mohmmed Alkhawlani, **An Efficient Content-based Image Retrieval System**, Department of Information systems, Faculty of Computers and Information, Mansoura University, Egypt, 2016.

[19] Ahmed Ismail Abdelaziz Metwaly, **Landmines Detection by using Mobile Robots**, Department of Information systems, Faculty of Computers and Information, Mansoura University, Egypt, 2016.

[20] Ebtsam Elbasyouny, **A Proposed System for Automatic Panoramic Image Stitching**, **Master of Science**, Department of Information systems, Faculty of Computers and Information, Mansoura University, Egypt, 2016.

[21] Khaled Alhamzi, **3D Object Recognition Based on Depth Map**, **Master of Science**, Department of Information systems, Faculty of Computers and Information, Mansoura University, Egypt, 2015.

[22] Eman Abdel Maksoud, **A proposed Medical Segmentation Technique Using 3D Images**, **Master of Science**, Department of Information systems, Faculty of Computers and Information, Mansoura University, Egypt, 2015.

[23] Hafedh Albaghdadi, **Smart Question Generator System**, **Master of Science**, Department of Information Technology, Institute of Graduate Studies and Research, Alexandria University, Egypt, 2015.

[24] Kamal Hammouda, **Watermarking Techniques for Image Authentication**, **Master of Science**, Statistics Division and Computer Science, Mathematics Department, Faculty of Science, Mansoura University, Egypt, 2015.

[25] Ahmed Neil, **Computer Forensics Using Windows Registry Analysis**, **Master of Science**, Department of Information systems, Faculty of Computers and Information, Mansoura University, Egypt, 2014.

Potential Reviewer

Reviewed more than **500 papers** for top-ranked journals and conferences in computer sciences, such as:

- Artificial Intelligence in Medicine
- Computers in Biology and Medicine
- IEEE Access
- IEEE Journal of Biomedical and Health Informatics
- Information Sciences
- Journal of Biomedical Informatics
- Computational and Mathematical Methods in Medicine
- Journal of Electronic Imaging
- International Journal of Computer Systems Science and Engineering
- Biomedical Signal Processing and Control
- Informatics in Medicine Unlocked
- Technology in Cancer Research & Treatment
- Egyptian Informatics Journal

For more information about verified peer-reviews, please visit:

Publons: https://publons.com/researcher/1274712/mohammed-elmogy/

Conferences

- The 27th IEEE International Conference on Image Processing (ICIP 2020), Abu Dhabi, United Arab Emirates, 25-28 October 2020 (Online).

- The International Conference on Data Analytics for Business and Industry (ICDABI), Bahrain, Bahrain, 26-27 October 2020 (Online).
- The 2020 International Conference on Computer and Information Sciences (ICCIS), Aljouf, KSA, 13-15 October 2020 (Online).
- The 14th IEEE International Conference on Computer Engineering and Systems (ICCES2019), Cairo, Egypt, 17-18 December 2019.
- The 18th IEEE International Symposium on Signal Processing and Information Technology, Louisville, Kentucky, USA, December 6 - 8, 2018.
- Biomedical Engineering Society (BMES) 50th Annual Meeting, Atlanta, Georgia, USA, 17-20 Oct. 2018.
- The 10th IEEE International Conference on Computer Engineering and Systems (ICCES2015), Cairo, Egypt, 23-24 December 2015.
- The 14th International Conference on information (ICI 14), Mansoura, Egypt, 7-8 Nov. 2015.
- The Ninth IEEE International Conference on Computer Engineering and Systems (ICCES2014), Cairo, Egypt, 21-23 December 2014.
- The Ninth International Conference on Informatics and Systems (INFOS2014), Cairo, Egypt, 15-17/12/2014.
- The second International Conference on Advanced Machine Learning Technologies and Applications (AMLTA14), Cairo, Egypt, from 28/11/2014 to 30/11/2014.
- The second International Conference Engineering and Technology (ICET2014) - German University in Egypt, Cairo, Egypt, from19/4/2014 to 20/4/2014.
- The 5th International Conference on Intelligent Computing and Information Systems (ICICIS2011) - Cairo, Egypt, Faculty of Computer &Information Science, Ain Shams University, from30/6/2011 to 3/7/2011.
- The 6th International Conference on Computer Engineering & Systems (ICCES'2010) - Cairo, Egypt - Computer and Systems Department, Faculty of Engineering, Ain Shams University, from29/11/2010 to 2/12/2010.
- The 5th International Conference on Computer Engineering & Systems - Cairo, Egypt - Computer and Systems Department, Faculty of Engineering, Ain Shams University, from29/11/2009 to 2/12/2009.
- Medien- und Kommunikationssektor in den SAARC-Ländern, Göttingen, Germany - CIM, from9/10/2009 to 11/10/2009.
- The 4th International Conference on Spatial Cognition, Rome, Italy, Sapienza Universita di Rome, from14/9/2009 to 18/9/2009.

- The 18th European Conference on Artificial Intelligence (ECAI), Patras, Greece, IOS, from21/7/2008 to 25/7/2008.
- The 36th Annual Conference on Statistics, Computer Sciences and Operation Research (ISSR), Cairo, Egypt, Cairo University, from1/11/2001 to 2/11/2001.

Memberships

- IEEE senior member, membership since 2008.
- ACM professional member, membership since 2008.
- Egyptian Engineers Syndicate, since 1997.
- Biomedical Engineering Society, since 2018.
- Associated member of the International Graduate Research Group on "Cross-Modal Interaction in Natural and Artificial Cognitive Systems" (CINACS), from 1/11/2006 to 30/10/2010 (link).

Teaching

1. **Academic Year 2021/2022**
    a. **Postgraduate**
        i. **Advanced Computer Vision (IT6004)**
    b. **Undergraduate**
        i. **Computer Vision (IT435P)**
        ii. **Selected Topics (Medical Image Analysis) (IT424P)**
        iii. **Digital Logic Circuits Design (IT124P)**
        iv. **Database Systems**
2. **Academic Year 2020/2021**
    a. **Postgraduate**
        i. **Advanced Computer Vision (IT6004)**
        ii. **Advanced Image Processing (IT6005)**
    b. **Undergraduate**
        i. **Computer Vision (IT435P)**

ii. **Soft Computing (IT323P)**

iii. **Selected Topics (Medical Image Analysis) (IT424P)**

3. **Academic Year 2019/2020**

   a. **Postgraduate**

      i. **Advanced Computer Vision (IT6004)**

      ii. **Advanced Network Security (IT613)**

      iii. **Mobile Computing (IT612)**

   b. **Undergraduate**

      i. **Computer Vision (IT435P)**

      ii. **Selected Topics (Medical Image Analysis) (IT424P)**

      iii. **Network Programming (IT325P)**

      iv. **Soft Computing (IT323P)**

4. **Academic Year 2018/2019**

   a. **Postgraduate**

      i. **Computer Tools for Medical Image Analysis (BE500)**

5. **Academic Year 2015/2016**

   a. **Postgraduate**

      i. **Advanced Computer Vision (IT6004)**

      ii. **Mathematical and Fuzzy Logic (MATH6121)**

   b. **Undergraduate**

      i. **Computer Vision (IT435P)**

      ii. **Selected Topics (Medical Image Analysis) (IT424P)**

      iii. **Network Programming (IT325P)**

6. **Academic Year 2014/2015**

   a. **Postgraduate**

      i. **Advanced Computer Vision (IT6004)**

      ii. **Mathematical and Fuzzy Logic (MATH6121)**

b. Undergraduate

i. Computer Vision (IT435P)

ii. Network Programming (IT325P)

iii. Soft Computing (IT323P)

iv. Research Methodology (UNI311T)

v. Microprocessor Applications (IT423P)

7. **Academic Year 2013/2014**

a. Postgraduate

i. Advanced Computer Vision (IT6004)

ii. Mathematical and Fuzzy Logic (MATH6121)

iii. Advanced Intelligent Information Systems (IS6003)

b. Undergraduate

i. Network Programming (IT325P)

ii. Soft Computing (IT323P)

iii. Web Programming (IS211P)

8. **Academic Year 2012/2013**

a. Postgraduate

i. Advanced Computer Vision (IT6004)

ii. Advanced Intelligent Information Systems (IS6003)

iii. Advanced Multimedia Systems (IS6122)

b. Undergraduate

i. Computer Vision (IT435P)

ii. Web Programming (IS211P)

iii. Computer Graphics (IS223P)

iv. Expert Systems (IS332P)

v. Fundamentals of Multimedia (IS411P)

9. **Academic Year 2011/2012**

a. **Postgraduate**
    i. **Advanced Intelligent Information Systems (IS6003)**
    ii. **Advanced Multimedia Systems (IS6122)**
b. **Undergraduate**
    i. **Intelligent Information Systems (IS411P)**
    ii. **Research Methodology (UNI311T)**
    iii. **Biometrics (IT432P)**
    iv. **Fundamentals of Multimedia (IS411P)**

10. **Academic Year 2010/2011**

a. **Postgraduate**
    i. **Advanced Intelligent Information Systems (IS6003)**
b. **Undergraduate**
    i. **Intelligent Information Systems (IS411P)**
    ii. **Fundamentals of Multimedia (IS411P)**
    iii. **Microprocessor Applications (IT423P)**

Quality Assurance & Accreditation Activities

- **Manager of the Quality Assurance Unit:** Faculty of Computers and Information, Mansoura University, since 08/10/2019.
- **Manager of the Quality Assurance Unit:** Faculty of Computers and Information, Mansoura University, from 22/9/2014 to 21/9/2017.
- **Vice Manager of the Quality Assurance Unit:** Faculty of Computers and Information, Mansoura University, from 3/10/2011 to 21/9/2014.
- **Internal Quality Assurance Visits:**
    - Faculty of Arts, Mansoura University, in January 2022.
    - Faculty of Education, Mansoura University, in March 2016.
    - Faculty of Tourism and Hotels, Mansoura University, in March 2014.
- **AQ Courses:**

- **Course Title: University Accreditation,** National Authority for Quality Assurance and Accreditation of Education (NAQAAE), from 12/02/2020 to 13/02/2020.
- **Course Title: Program Self-Evaluation for Higher Education,** National Authority for Quality Assurance and Accreditation of Education (NAQAAE), from 17/11/2019 to 19/11/2019.
- **Course Title: Protocols of External Review Visit: Applied course for Higher Education Institutions,** National Authority for Quality Assurance and Accreditation of Education (NAQAAE), from 29/02/2016 to 03/03/2016.
- **Course Title: Strategic Planning for Higher Education Institutions,** National Authority for Quality Assurance and Accreditation of Education (NAQAAE), from 31/01/2016 to 01/02/2016.
- **Course Title: External Review for Higher Education Institutions,** National Authority for Quality Assurance and Accreditation of Education (NAQAAE), from 04/12/2013 to 05/12/2013.
- **Course Title: Program Specification and Curriculum Maps for Higher Education Institutions,** National Authority for Quality Assurance and Accreditation of Education (NAQAAE), from 02/12/2013 to 03/12/2013.
- **Course Title: Institutional Self-Evaluation for Higher Education,** National Authority for Quality Assurance and Accreditation of Education (NAQAAE), from 30/11/2013 to 01/12/2013.

International Certificates

1. **Huawei Certified ICT Associate - Artificial Intelligence (HCIA-AI V3.0)**, Certificate No. 0101020018080382139587 6, Issue Date 29/08/2021.
2. **Huawei Certified ICT Professional - Artificial Intelligence (HCIP-AI)**, Certificate No. 0102020018558080624514 09, Issue Date 09/12/2020.
3. **Huawei Certified Academy Instructor (HCAI)**, Certificate No. 021103601808038691409, Issue Date 16/06/2020.
4. **Huawei Certified ICT Associate - Artificial Intelligence (HCIA-AI V1.0)**, Certificate No. 0101020018080382139587 6, Issue Date 03/06/2020.
5. **IBM Academic Certificate exam for IoT Cloud Developer Mastery exam**, UNIQUE ID: 8073-1582-1914-2588, 20/02/2020.

6. **IBM Academic Certificate exam for Artificial Intelligence Analyst 2019 Mastery Award**, UNIQUE ID: 4666-1581-9403-0591, 17/02/2020.
7. **IBM Academic Certificate exam for Predictive Analytics Modeler 2018 Mastery Exam**, UNIQUE ID: 7913-1579-1709-4376, 16/01/2020.

Training and Academic Courses

1. Workshop: **Successful Grant Applications with Funding Institutional – Real Examples and Supporting Tools**, Elsevier Research Intelligence, 26/10/2020.
2. Course Title: **Huawei HCIA-Artificial Intelligence (ToT)**, NTI (National Telecommunication Institute), Nasr City, Cario, Egypt, from 1/3/2020 to 5/3/2020.
3. Course Title: **IBM IoT Cloud Developer (ToT)**, IBM Egypt, from 16/2/2020 to 20/2/2020.
4. Course Title: **IBM Artificial Intelligence Analyst 2019 (ToT)**, IBM Egypt, from 9/2/2020 to 13/2/2020.
5. Course Title: **IBM Predictive Analytics Modeler 2018 (ToT)**, IBM Egypt, from 12/1/2020 to 16/1/2020.
6. Course Title: **Training of Trainers (ToT) Course**, Supreme Council of Universities, Cario, Egypt, from 2/12/2019 to 5/12/2019.
7. Course Title: **Statistical Analysis Skills,** University Development Center, Mansoura University, from 24/11/2019 to 25/11/2019.
8. Course Title: **Huawei HCIA-HNTD Intermediate Course,** Global Knowledge, Cario, Egypt, from 15/09/2019 to 19/09/2019.
9. Course Title: **Huawei HHCIA-HNTD Entry Course,** Global Knowledge, Cario, Egypt, from 08/09/2019 to 12/09/2019.
10. Course Title: **Design the Personal Websites for Faculty Members,** University Development Center, Mansoura University, from 26/08/2018 to 27/08/2018.
11. Course Title: **Preparation and Design of Electronic Tests,** University Development Center, Mansoura University, from 14/08/2018 to 15/08/2018.
12. Course Title: **Effective Crisis Management,** University Development Center, Mansoura University, from 26/06/2016 to 27/06/2016.
13. Course Title: **Java SE 7 New Features Ed 2 PRV**, Oracle Egypt, from 17/05/2013 to 18/05/2013.

14. Course Title: **Java SE 7 Programming Ed 2 PRV**, Oracle Egypt, from 09/02/2013 to 17/02/2013.
15. Course Title: **University Management,** University Development Center, Mansoura University, from 16/09/2012 to 18/09/2012.
16. Course Title: **Applying Academic Standards for Educational Program,** University Development Center, Mansoura University, from 12/08/2012 to 14/08/2012.
17. Course Title: **Conference Organization,** University Development Center, Mansoura University, from 05/08/2012 to 07/08/2012.
18. Course Title: **The Credit Hour Systems,** University Development Center, Mansoura University, from 12/02/2012 to 14/02/2012.
19. Course Title: **Exams and Students Evaluation Systems,** University Development Center, Mansoura University, from16/10/2011 to 18/10/2011.
20. Course Title: **Managing Research Teams,** University Development Center, Mansoura University, from 10/07/2011 to 12/07/2011.
21. Course Title: **International Publishing of Scientific Research,** University Development Center, Mansoura University, from 12/12/2010 to 14/12/2010.
22. Course Title: **Legal and Financial Aspects in University Environment,** University Development Center, Mansoura University, from 05/12/2010 to 08/12/2010.
23. Course Title: **Effective Communication Skills,** University Development Center, Mansoura University, from 21/11/2010 to 23/11/2010.
24. Course Title: **Ethics of Scientific Research (Code of Ethics),** University Development Center, Mansoura University, from 10/09/2006 to 12/09/2006.
25. Course Title: **Effective Presentation Skills**, University Development Center, Mansoura University, from 12/03/2006 to 14/03/2006.

References

- **Prof. Dr. Adel Elmaghraby,** Professor and former chairman of the Computer Science & Engineering Department, Speed School of Engineering, University of Louisville, Louisville, KY, USA, e-mail: aselma01@louisville.edu, +1 5022621392
- **Prof. Dr. Jianwei Zhang,** Professor and head of Technical Aspects of Multimodal Systems group (TAMS), Department of Informatics, Faculty of Mathematics, Informatics and

Natural Sciences, University of Hamburg, Germany, e-mail: zhang@informatik.uni-hamburg.de, +49 (0) 40 42883-2431

- **Prof. Dr. Kyung-Sup Kwak,** Professor at Department of Information and Communication Engineering, Inha University, Incheon 22212, Korea, **e-mail:** kskwak@inha.ac.kr
- **Prof. Dr. Ahmed S. Tolba,** Ex-Dean and Professor at the Computer Science Department, Faculty of Computers and Information, Mansoura University, Egypt, e-mail: ast@astolba.com, +201157580181
- **Prof. Dr. Hesham Arafat,** Professor and former chairman of Computer Engineering and Systems Department, Faculty of Engineering, Mansoura University, Egypt, e-mail: h_arafat_ali@mans.edu.eg, +201116161613