Farid Ali Mousa.

Associate Professor:" Faculty of Computers and Artificial Intelligence, Beni-Suef University, Egypt.
Mobile: 01278815226, 01001369125 **Address:** 14 Ahmed Anwar st., Marioutia, Giza, Egypt.
E-Mail: fared.ali@fcis.bsu.edu.eg **,** farid.cs@gmail.com , faly@msa.edu.eg

Academic Qualifications:

- **Ph.D.** in **Computer Science**: "February 2016"
  Cairo University, Faculty of Computer and Information, Information Technology Department
  Thesis Title: **Machine Learning Techniques for Analyzing Brain Signals**

  Supervisor: Prof. Reda Abdel Wahab EL Khoribi
  Prof. Mahmoud Ismail Shoman

- **Ph.D. Qualification**: "October 2011"
  Cairo University, Faculty of Computer and Information, Information Technology Department

- **M.Sc.** in **Computer Science**: "June 2010"
  Cairo University, Faculty of Computer and Information, Information Technology Department
  Thesis Title: **Fuzzy Logic in Classifier Combination**

  Supervisors: Prof. Sanaa El Ola.
  Prof. Neamat El Gayar.

- **Pre- Master** : "May 2004"
  Cairo University, Faculty of Computer and Information, Information Technology Department

- **B.Sc** in **Computer Science**: "May 2002"
  Cairo University, Faculty of Computer and Information, Information Technology Department

Work Experience

- **Associate Professor:** Faculty of Computers and Artificial Intelligence, Beni-Suef University, Egypt. "2021- Now"
- **Assistant Professor:** Faculty of Computers and Artificial Intelligence, Beni-Suef University, Egypt. "2016- 2021"

- **Part time Assistant Professor @**
- October University for Modern Science & Arts (MSA University), Computer Science Faculty. "2016 - Now"

- **Manager** "November 2017- November 2020"
  - Management Information System (MIS) Unit, Beni-Suef University, Information & Communication Technology Project (ICTP).
- **Head of Information Technology Department (2022 – Now)**
- **Vice Dean of Education & Student Affairs (2024 – Now)**

- **Lecturer Assistant** "November 2010- November 2014"
  - October University for Modern Science & Arts (MSA University), Computer Science Faculty.

- **Lecturer Assistant** "November 2014- May 2016"
  Faculty of Computers and Artificial Intelligence, Beni-Suef University, Egypt
- **Demonstrator** "September 2004- May 2010"
  - October University for Modern Science & Arts (MSA University), Computer Science Faculty.

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Publications :

1- El Hadad, Hagar M., Hamdi A. Mahmoud, and Farid Ali Mousa. "Bovines muzzle classification based on machine learning techniques." Procedia Computer Science 65 (2015): 864-871.
2- Mousa, Farid Ali, Reda A. El-Khoribi, and Mahmoud E. Shoman. "A novel brain computer interface based on principle component analysis." Procedia Computer Science 82 (2016): 49-56.
3- Mousa, Farid A., Reda A. El-Khoribi, and Mahmoud E. Shoman. "An integrated classification method for brain computer interface system." In 2015 Fifth International Conference on Digital Information Processing and Communications (ICDIPC), pp. 141-146. IEEE, 2015.
4- Mahmoud, Hamdi A., Hagar M. El Hadad, Farid Ali Mousa, and Aboul Ella Hassanien. "Cattle classifications system using fuzzy k-nearest neighbor classifier." In 2015 International Conference on Informatics, Electronics & Vision (ICIEV), pp. 1-5. IEEE, 2015.
5- Mousa, Farid Ali, Reda A. El-Khoribi, and Mahmoud E. Shoman. "EEG Classification based on machine learning techniques." International Journal of Computer Applications 975 (2015): 8887.
6- Mahmoud, Ayat, F. Ali, A. El-Kilany, and Sherif Mazen. "A NOVEL OVERSAMPLING TECHNIQUE TO HANDLE IMBALANCED DATASETS." (2020).
7- Ali, Farid, Neamat El Gayar, and Sanaa El Ola. "Fuzzy Gaussian classifier for combining multiple learners." In 2010 The 7th International Conference on Informatics and Systems (INFOS), pp. 1-6. IEEE, 2010.
8- Farid A. Mousa, (2019). Prediction of Drug Addiction using Artificial Neural Network, International Journal of Biology, Pharmacy and Allied Sciences (IJBPAS), Vol 8(8) , pp. 1479-1486.
9- Mahmoud, Ayat, Ayman El-Kilany, Farid Ali, and Sherif Mazen. "TGT: A Novel Adversarial Guided Oversampling Technique for Handling Imbalanced Datasets." Egyptian Informatics Journal (2021).
10- Farid Ali Mousa, Ibrahim Eldesouky Fattoh. "A Novel Machine Learning Model for Assisting People with Motor Deficiencies." Journal of Southwest Jiaotong University 56, no. 1 (2021)
11- Farid Ali, Heba Hamdy. " Real-Time Intelligent Thermal Comfort Prediction Model." International Journal of Advanced Computer Science and Applications Vol. 12, No. 3, 2021.
12- Malak El-Bakry, Farid Ali ,Ayman El-Kilany, Sherif Mazen. " Fuzzy based Techniques for Handling Missing Values." International Journal of Advanced Computer Science and Applications Vol. 12, No. 3, 2021.
13- Ibrahim Eldesouky, Farid Ali (2021). Fake News Detection Based on Word and Document Embedding using Machine Learning Classifiers. Journal of Theoretical and Applied Information Technology, Vol.99. No 8
14- Farid Ali,Taha Mahdy (2021). Enhancing Detection of COVID-19 from Chest CT Images Using Selected Fourier Transform Features. Journal of Theoretical and Applied Information Technology, Vol.99. No 8
15- Farid Ali Mousa, Ibrahim Eldesouky Fattoh. "Hybrid Chicken Swarm Optimization (CSO) and Fuzzy Logic (FL) model for Handling Imbalanced Datasets. International Journal of Intelligent

Engineering and Systems, 2021.

16- AMAEA El, M Mostafa, HHA Hussien, FA Moussa, Comparative Analysis: Deep vs. Machine Learning for Early DFU Detection in Medical Imaging,2023

17- NAS Eldien, RE Ali, FA Moussa, Real and Fake Face Detection: A Comprehensive Evaluation of Machine Learning and Deep Learning Techniques for Improved Performance, 2023

18- YE Mahmoud, FA Mousa, A Mahmoud, Identifying and Classifying Fake COVID-19 Tweets using Transformer Models, 2023

19- KM Mousa, FA Mousa, HS Mohamed, MM Elsawy, Prediction of foot ulcers using artificial intelligence for diabetic patients at Cairo university hospital, Egypt, 2023

20- RH Mohamed, FA Mosa, RA Sadek, Efficient intrusion detection system for IoT environment, 2022

Co-Supervised Theses

- **PHD**:
  Title : Data Cleaning Using Machine Learning Techniques
  Researcher: Ayat Mahmoud
  Supervisors: Prof. Sherif Mazen – Dr. Ayman El-Kilany – **Dr. Farid Ali**
  Cairo University, Faculty of Computers and Artificial Intelligence

- **PHD**:
  Title: Data Cleaning using Predictive Techniques
  Researcher: Malak Hassan Mostafa El Bakry
  Supervisors: Prof. Sherif Mazen – Dr. Ayman El-Kilany – **Dr. Farid Ali**
  Cairo University, Faculty of Computers and Artificial Intelligence

- **Master**:
  Title : Building an ensemble Multistage Intrusion Detection System using Machine Learning Techniques
  Researcher: Rehab Hosny Mohamed
  Supervisors: Prof. Rowida Abdel Hameed Sadek– **Dr. Farid Ali**
  Helwan University, Faculty of Computers and Artificial Intelligence, Information Technology Department

  Title : Analysis of Electroencephalography Signals using bio inspired techniques
  Researcher: Sherine El Bohy
  Supervisors: Prof. Mona Mohamed Nasr– **Dr. Farid Ali**
  Helwan University, Faculty of Computers and Artificial Intelligence, Information System Department

Courses Taught

- Artificial Intelligence
- Natural Language Processing
- Machine Learning

- Data Mining
- Data Structure
- Computer Graphics
- Theory of Computation
- Pattern Recognition
- E-Commerce
- Speech Recognition
- Network Security
- Computer Networks
- Programming Language 1- Advanced Programing Language
- Web Programming- Advanced Web Programming
- Analysis & Design of Algorithms
- Introduction to Computer
- Digital Signal Processing
- Image Processing
- Knowledge Base
- Virtual Reality
- Advanced Computer Graphics

Languages

- **Arabic** **:** Mother tongue.
- **English** **:** Excellent (Written & Spoken).

Research Interests

- Artificial Intelligence
- Natural Language Processing
- Deep Learning
- Machine Learning
- Data Mining
- Text Mining
- Text Similarity
- Semantic Network Analysis
- Signal Processing

Personal Details

- **Date of birth:** 20th February 1981.
- **Gender** **:** Male.
- **Marital** **:** Married.
- **Nationality** **:** Egyptian.
- **Religion** **:** Muslim.