Contact Information

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Google scholar:	https://scholar.google.com/citations?user=_qBwk30AAAAJ&hl=ar
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Education/ Academic qualifications (start with your most recent education first)

Year	School / University	Specialization	Degree
2022	Mansoura	Computers & control sys. Eng. Dept.	Ph.D.
2017	Mansoura	Computers & control sys. Eng. Dept.	Master
2010	Mansoura	Computers & control sys. Eng. Dept.	B.Sc.

Academic Employment History (start with your most recent education first)

From:	To:	University / Organization	Title of Position
2022	On going	Horus University	Assistant Professor
2021/2022	2022	Mansoura University	Assistant Professor
2021/2022	2022	Misr Higher Institute	Assistant Professor
2017	2021	Mansoura University	Assistant Lecturer
2019	2021	Misr Higher Institute	Assistant Lecturer
2018	2019	Information Technology Institute ITI	Lecturer
2013	2017	Mansoura University	Research Assistant

Administrative Positions:

From:	To:	University / Organization	Title of Position
2022	On going	HUE university	Quilty Coordinator for ECE Program

Teaching Experience (Courses, Language, Higher Education Only)

- ✓ Fundamentals of Database System
- ✓ Advanced Database system
- ✓ Machine Intelligent
- ✓ Computer Programming using visual basic.net
- ✓ Internet Programming using Html, CSS, Java Script, PHP
- ✓ Computer Programming using Java
- ✓ Computer Programming using C++
- ✓ Computer Programming using C#
- ✓ Data Structure using C#
- ✓ Data Structure using python
- ✓ Data Structure using Java
- ✓ Computer architecture
- ✓ Operating System using Android
- ✓ Statistics Using IBM SPSS

I do hereby declare that the information furnished above is true to the best of my knowledge.

Name: Dr. Samah Adel

Signature: SA

- ✓ Modern Control
- ✓ Distributed system
- ✓ Micro Processor
- ✓ Digital Design
- ✓ Java Programming
- ✓ Algorithms
- ✓ Introduction to computer engineering
- ✓ Logic Design
- ✓ Computer Engineering
- ✓ Embedded Systems
- ✓ Operating Systems
- ✓ HCI
- ✓ Advanced Programming Using Java
- ✓ Software Engineering
- ✓ Artificial intelligence and its applications

Publications:

> Gamel, Samah A., Ahmed I. Saleh, and Hesham A. Ali. "A fog-based Traffic Light Management Strategy (TLMS) based on fuzzy inference engine." *Neural Computingand Applications* 34.3 (2022): 2187-2205.

> Saleh, Ahmed I., Samah A. Gamel, and Khaled M. Abo-Al-Ez. "A reliable routingprotocol for vehicular ad hoc networks." *Computers & Electrical Engineering* 64 (2017): 473-495.

> Talaat, Fatma M., and Samah A. Gamel. "Predicting the impact of no. of authors on no.of citations of research publications based on neural networks." *Journal of Ambient Intelligence and Humanized Computing* (2022): 1-10.

> Talaat, Fatma M., and Samah A. Gamel. "RL based hyper-parameters optimization algorithm (ROA) for convolutional neural network." *Journal of Ambient Intelligenceand Humanized Computing* (2022): 1-11.

> Gamel, Samah A., Ahmed I. Saleh, and Hesham A. Ali. "Machine learning-based traffic management techniques for intelligent transportation system." *Nile journal ofcommunication and computer science* 1.1 (2021): 9-18.

> Gamel, Samah A., and Fatma M. Talaat. "SleepSmart: an IoT-enabled continual learning algorithm for intelligent sleep enhancement." Neural Computing and Applications (2023): 1-17.

> Talaat, Fatma M., et al. "Utilizing social media and machine learning for personality and emotion recognition using PERS." Neural Computing and Applications 35.33 (2023): 23927-23941.

> Hassan, Esraa, et al. "Robust Deep Learning Model for Black Fungus Detection Based on Gabor Filter and Transfer Learning." Computer Systems Science & Engineering 47.2 (2023).

> Khater, Hatem A., and Samah Adel Gamel. "Early diagnosis of respiratory system diseases (RSD) using deep convolutional neural networks." Journal of Ambient Intelligence and Humanized Computing 14.9 (2023): 12273-12283.

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- Talaat, Fatma M., and Samah A. Gamel. "Predicting the impact of no. Of authors on no. Of citations of research publications based on neural networks." *Journal of Ambient Intelligence and Humanized Computing* 14.7 (2023): 8499-8508.
- Talaat, Fatma M., and Samah A. Gamel. "RL based hyper-parameters optimization algorithm (ROA) for convolutional neural network." *Journal of Ambient Intelligence and Humanized Computing* 14.10 (2023): 13349-13359.
- Talaat, F.M., Gamel, S.A. Machine learning in detection and classification of leukemia using C-NMC_Leukemia. *Multimed Tools Appl* (2023).
- Gamel, S.A., Hassan, E., El-Rashidy, N. *et al.* Exploring the effects of pandemics on transportation through correlations and deep learning techniques. *Multimed Tools Appl* (2023).
- Talaat, Fatma M., and Samah A. Gamel. "A2M-LEUK: attention-augmented algorithm for blood cancer detection in children." Neural Computing and Applications (2023): 1-13.
- Siam, A.I., Gamel, S.A. & Talaat, F.M. Automatic stress detection in car drivers based on non-invasive physiological signals using machine learning techniques. *Neural Comput & Applic* **35**, 12891–12904 (2023).
- Gamel, Samah A., and Yara Sultan. "Winds of Power: Data Analysis for the Relationship between Wind Speed, Gust, and Power Output." Journal of Engineering Research 7.5 (2023): 189-194.
- Gamel, Samah A., and Hatem Khater. "Enhancing Facial Emotion Recognition with a Modified Deep Convolutional Neural Network." *Journal of Engineering Research* 7.5 (2023): 118-125.
- Shams, M.Y., Gamel, S.A. & Talaat, F.M. Enhancing crop recommendation systems with explainable artificial intelligence: a study on agricultural decision-making. *Neural Comput &*

Other Relevant Experience

Reviewer in the following journals:

- IEEE Access
- International Journal of Intelligent Systems
- Applied Soft Computing Journal
- Expert Systems with Applications

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