Hatem Mohammed No'aman Erfan, PhD.

- **Contacts**
  - Address: Faculty of Information technology, Jadara University, Irbid, Jordan
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- **Personal Data:**
  - Birth date: 1/11/1984
  - Personal status: Married

- **Education Summary**
  - Feb. 2019 **Computer Science PhD, Faculty of Computer and Information Science, Mansoura University**
    - **Thesis title:** "Enhanced Arabic Language model for Arabic Language Applications"
  - Oct. 2008 **Computer Science Master, Faculty of Computer and Information Science, Mansoura University**
    - **Thesis title:** "Automatic Arabic document classification using machine learning approaches"
  - 2001 – 2005: **Faculty of Computer and Information Science BSc, Mansoura University** [very good].

- **Positions**
  - **Current Positions:**
    - **Computer Science Assistant Professor**, Computer Science Department, Faculty of Information technology, Jadara University, Irbid, Jordan. **[1/3/2025 to Now]**
  - **Previous Positions:**
    - **Cybersecurity Program Coordinator**, National Beni-Suef University, Beni-Suef, Egypt. **[1/10/2023 to 30/8/2024]**
    - **Project Manager,** Network and Cybersecurity Project, Beni-Suef University, Egypt. [1/7/2021 to 30/9/2023]
    - **Project manager**, Digital Transformation Project manager, Beni-Suef Technological University, Egypt. [1/4/2020 to 30/6/2021]

- **ICT project coordinator**, Korean Egyptian Faculty for Industry and Energy Technology, Beni-Suef Technological University, Egypt. [1/8/2020 to 30/6/2021]
- **Beni-Suef Technological University Cisco Networking Academy manager** [1/11/2020 to 30/6/2021].
- **Beni-Suef University Digital Portal and Software Development Manager**, Beni Suef University, Egypt. [25/3/2019 to 30/6/2020]
- **Computer Science Assistant Lecturer**, Computer Science Department, Faculty of Computer and Information Science, Beni Suef University, Egypt. [27/7/2012 to 1/4/2019]
- **Beni-Suef University Network and IT Infrastructure Manager**, Beni Suef University, Egypt. [1/6/2015 to 25/3/2019]
- **Computer Science Lecture**, Physical and Applied Sciences Department, Community College, King Saud University, KSA. [25/2/2009 to 15/6/2012]
- **Software developer**, Global Financial Systems (GFS)Department, ITSoft, Egypt [1/5/2007 to 10/8/2008].
- e-**Learning Application and Tools (LAMP) developer** in Mansoura University eLearning Unit[1/12/2005 to 1/5/2007].

- **ACADEMIC /TEACHING EXPERIENCE**
  - **Prepare and gave** weekly lectures to undergraduate students about:
    - Introduction to computer science and information systems
    - basic and advanced programming
    - Operating systems
    - Artificial Intelligence
    - Computer networks
    - Data structure and algorithms
    - Soft-Computing
    - Machine Learning
    - Web development
    - Simulation and modelling
    - Computer Networks

- - - Networks Security
    - Penetration test and Vulnerability Discovery.
    - Threat Intelligence Analysis
    - Reverse Engineering and Malware Analysis
  - **Supervise** and help computer science graduation projects
  - **Investigate and apply** different machine learning and deep learning models to Arabic Natural Language Processing problems.

- **Training and Courses**
  - **Malware Analysis Fundamentals**, ITI, 2024
  - **Reverse Code Engineering,** , ITI, 2024
  - **Advanced Malware Analysis**, ITI, 2024
  - **Certified Threat Intelligence Analyst (CTIA),** EC-Council, 2024
  - **Data Analysis Track,** Udacity, August,2019
  - **Developing World-Class Websites** (Accessibility-Relevance-Usability and Engagement) course, Egyption Knowledge Bank(EKB), March 2019.
  - **Advanced Project Management** course, BSU Staff training and development center, March 2017.
  - **Effective Teaching and Presentation Skills** course, BSU Staff training and development center, March 2017.
  - **Events and Conferences Organizations** course, BSU Staff training and development center, March 2017.
  - **Advanced Data Security**, New Trends and Aspects course, ITIDA, January 2015.

- **Main Research Areas**
  - **Cyber Security frameworks for various applications:** Cyber Secure Framework for Smart Agriculture, Fintech, Education and Medical systems.
  - **Natural Language Processing:** Enhance language applications as: spelling correction, optical character recognition, etc. using efficient language models.
  - **Agriculture Intelligent Systems:** Smart Farm Management & Crop yield prediction.

- **LIST OF PUBLICATIONS**
  - **Books:**
    - **Noaman, H. M.," Web Programming I (Practice Manual)",** Egyptian-Korean Faculty of Technological Industry and Energy, 1st edition, February 2020.
    - **Noaman, H. M.," Web Programming II (Practice Manual)",** Egyptian-Korean Faculty of Technological Industry and Energy, 1st edition, February 2020.
  - **Published Papers:**
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    - Salsabil Tarek, **Hatem M. Noaman** and Mohammed Kayed, "**Enhancing Question Pairs Identification with Ensemble Learning: Integrating Machine Learning and Deep Learning Models**" International Journal of Advanced Computer Science and Applications (IJACSA), 14(11), 2023.
    - **Noaman, Hatem**. "**Improved Emotion Detection Framework for Arabic Text using Transformer Models.**" Advanced Engineering Technology and Application 12.2 (2023): 1-11.
    - **Noaman, H**. M., Sarhan, S. S., & Rashwan, M. A." **Enhancing recurrent neural network-based language models by word tokenization**". Human-centric Computing and Information Sciences, 2018.
    - **Noaman, H**. M., Sarhan, S. S., & Rashwan, M. A. (2018). "**A Hybrid Approach for Automatic Morphological Diacritization of Arabic Text**", Mansoura Journal for Computer and Information Sciences, 2018.
    - **Hatem M Noaman**, Shahenda S. Sarhan, and M. A. A. Rashwan, "**Automatic Arabic Spelling Errors Detection and Correction Based on Confusion Matrix- Noisy Channel Hybrid System**" Egyptian Computer Science Journal Vol. 40 No.2 May 2016
    - **Hatem M. Noaman**, Samir Elmougy, Ahmed Ghoneim, and Taher Hamza, "**Naive Bayes Classifier Based Arabic Document Categorization**", Proceeding of the 7th International Conference on Informatics and Systems, INFOS2010, Cairo, March 28-30, 2010.
    - Samir Elmougy, Taher Hamza, and **Hatem M. Noaman**, "**Automatic Arabic Word Sense Tagging Based on**

Naïve Bayes Classifier", Mansoura Journal for Computer Sciences and Information Systems, Volume 5, No.1, January 2008

- Samir Elmougy, Taher Hamza, and **Hatem M. Noaman**, "**Naïve Bayes Classifier for Arabic Word Sense Disambiguation**", The 6th International Conference on Informatics and Systems, INFOS2008, March 27-29, 2008.

- **Programming Languages and Tools**

Languages and Tools	Skill level
• C,C++	Expert
• Visual C#	Expert
• Java	Intermediate
• ASP .NET	Expert
• Java Script, HTML	Expert
• PHP	Intermediate
• SQL	Expert
• RapidMiner	Intermediate
• Bower BI	Intermediate
• Android programming	Beginner
• OOA,OOD,OOP and UML	Expert
• Machine learning and deep learning packages: Numpy, Pandas, Keras, scikit-learn, Tensor Flow, and CNTK.	Expert