**Hanan Mohamed Moussa**

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**Assistant Professor in Information Systems**

***Information Systems Assistant Professor and Professional IT Expert with 30 years of insightful experience…***

**Acknowledged Academic Professor | Shaping Delivery Management**

***Noteworthy Professional Contributions***

***~ Acknowledged Academic Assistant Professor in Information Systems & Software Engineering~***

***~Significant contributor in quality delivery of project assignments throughout professional tenure ~***

***Areas of Expertise***

|  |  |  |
| --- | --- | --- |
| ***Undergraduate and post-graduate Teaching******Post-graduate Thesis Supervision******Academic qualitative and quantitative Research***  | ***Research areas in:******Software Project/Product Management*** ***(Traditional and Agile)******Software Development Methodologies*** ***Software Engineering******Management Information Systems******Quality Assurance & Control******Frameworks******Software Metrics & Estimation*** ***Process Management & Improvement*** | ***Academic Activities such as Curriculum quality improvement******Summer internship organization******Employment skills improvement for students*** |

***Executive Synopsis***

* Combining both academic and professional expertise in Information Systems & Software Engineering
* Currently an Assistant Professor, Information System Department - Faculty of Computers & Artificial Intelligence in Cairo University
* Acknowledged for high-quality content and sophisticated pedagogy
* Articulate communicator with ability to blend technical expertise with interpersonal skills while interacting with students

**education**

* PhD in Information Systems – Faculty of Computers and Artificial Intelligence, Cairo University - June 2010.

Thesis topic is “Effort Estimation in Software Projects”.

* M.Sc. in Computer Science - American University in Cairo - January 2001.
* Diploma in Computer Science (Honors) - CACE, American University in Cairo -January 1995.
* B.A. in Business Administration (High Honors) - American University in Cairo - February 1992.

**academic Career Graph**

**faculty of computers & Artificial intelligence – Cairo University**

Oct 2010 till Date

Current title: Assistant Professor

**Courses Taught**

**Undergraduate Courses**

Management Information Systems

IS Quality Assurance

IS Project Management

Information Systems Fundamentals

Professional Software Engineering Practices

Software Engineering

Requirements Engineering

Database Management

Human Computer Interaction

File Organization & Retrieval

Management Fundamentals

Introduction to Economics

**Post-graduate Courses**

Advanced Information Systems Engineering – M.Sc. Level

Requirements Engineering – M.Sc. Level

Software Management – M.Sc. Level

IS Development Methodologies – Ph.D. Level

**Theses Supervision**

Measuring Similarity between Requirements – M.Sc. 2016

Enhancing Agile Projects Estimation – M.Sc. 2019

Agile Projects Management for Critical Systems Development – M.Sc. 2021

Requirements Elicitation & Prioritization for Software Products – In progress of Thesis writing – Ph.D.

Design Thinking for Software Products – In progress of Thesis writing – M.Sc.

Automated Anomaly Detection in DevOps using Machine Learning - In progress of Thesis writing – M.Sc.

**The American University in Cairo – 2022-Present**

**Undergraduate Course**

Database Management

**Arab Academy for Science, Technology & Maritime Transport - 2013 and 2019**

**Undergraduate Courses**

* Introduction to Programming with C Language
* Database Management

**Training Courses Given**

**American University in Cairo – CACE-September 2002 – May 2004.**

* Database Fundamentals
* Information Systems Fundamentals
* eGovernment services
* Management Fundamentals
* Change Management

**HP Enterprise Services Egypt– Jan 2006-May 2016**

* Project management
* Projects Metrics & Estimation
* Quality management
* Service Operations Management
* Process Improvement

**Global Knowledge – Feb 2019- June 2019**

* Project Management Fundamentals
* Project Management Professional Boot Camp
* IT Risk Management
* IT Project Management

**DXC Technology – Jan 2021-December 2021**

* Agile Project Management
* Agile Software Development and DevOps
* Estimation in Agile Projects
* Software Development Lifecycle Models
* Presentation skills

**Publications**

1. **Moussa, H,** Galal-Edeen, G. H., and Kamel, A**.** (2009) “Enhancing Software Sizing Adjustment Factors.” Fourth International Conference on Intelligent Computing & Information Systems – ICICIS, ACM, Cairo, Egypt. (**Awarded the session best-presented paper prize**).
2. **Moussa, H.,** Galal-Edeen, G. H., and Kamel, A. (2009). "Building an Effort Estimation Model for Software Projects." International Journal of Intelligent Control and Systems **14**(4): 244-258.
3. **Moussa, H**., Galal-Edeen, G.H., and Kamel, A. (2010). Applying an Estimation Framework in Software Projects-A local Experience. The 7th International Conference on Informatics and Systems - INFOS 2010 Cairo, Egypt.
4. **Moussa, H**., Galal-Edeen, G.H., and Kamel, A. (2010). “Lessons Learned from Building an Effort Estimation Model for Software Projects.” The International Journal of Software Engineering. **3**(2): 3-20.
5. Ezat, E., Kamel, A., **Moussa, H.** and Mihany, F. (2016). “A Framework to Measure Similarity between Requirements.” The10th International Conference on Informatics and Systems - INFOS 2010 Cairo, Egypt: 334-335.
6. Ilyas, M., Kamel, A., and **Moussa, H.** and Mihany, F. (2016). “An Automated System for Measuring Similarity between Requirements.” The 2nd Africa and Middle East Conference: 46-51.
7. Gaffar, Nisma. Kamel, A., and **Moussa, H.** (2018) “A Proposed Framework for Enhancing Story Points in Agile Software Projects.” Indian Journal of Science and Technology. ISSN 0974 -5645. Available at: <http://www.indjst.org/index.php/indjst/article/view/128780>
8. Mounir, M., Salah, A., Kamel, A. and **Moussa, H**. (2020) “Framework to Measure Agile Software Process Effectiveness in Critical Systems Development”. Proceedings of the 2020 9th International Conference on Software and Information Engineering (ICSIE 2020). Association for Computing Machinery, New York, NY, USA, 25–32.
9. Gaber, A., Nour, M. and **Moussa, H**. (2021). “A Multi-dimensional Credibility Assessment for Arabic News Sources”. International Journal for Advanced Computer Science and Applications (IJACSA) – Volume 12 Issue 9. DOI:10.14569/IJACSA.2021.0120935.
10. Gaber, A., Nour, M. and **Moussa, H**. (2021) “SMAD: Text Classifications of Arabic Social Media Dataset for News Sources”. International Journal for Advanced Computer Science and Applications (IJACSA) – Volume 12 No 10. DOI:[10.14569/IJACSA.2021.0121058](http://dx.doi.org/10.14569/IJACSA.2021.0121058).

**Awards**

Awarded best Ph.D. Thesis for Information Systems in Cairo University for the year of 2011

Winning the 1st place in Process Improvement - Service Innovation Campaign 2015- Application & Business Services - EMEA – HP Enterprise

**Certification**

* ITIL Intermediate Service Design – April 2015.
* ITIL Intermediate Service Operations – December 2013.
* ITIL Foundation V.3. – August 2010.
* Project Management Professional - PMP – September 2005 (renewed in 2015).
* IBM RS/6000 Solution Sales Certificate– April 2001.

**Professional experience**

* **DXC Technology – Digital Applications Operations Manager – 2021- Present**

Leading theDigital Applications Operations Capability with more than 25 team members

* **Senior Program Manager – 2019- Present**
* Projects
	+ Vodafone Germany Customer Care and Billing Upgrade – May 2022-Present
	+ Alinma Bank Channels Upgrade – May 2019 – Oct 2020
	+ Vodafone Germany Non-Functional Testing over Cloud – Oct 2020 – Jan 2021
	+ Pfizer Data Analytics – Nov 2020- Dec 2020
* **IT Worx – Gulf** - **Senior Project Manager** **– 2018-2019**
* Projects
	+ TAMM Abu Dhabi e-Gov Portal: Jun 2018 – Jun 2019
	+ IACAD- CRM- October 2018- December 2018
* **CIB – Senior Project Manager – 2016-2018**
* Projects
	+ Anti-Money Laundering: May 2017 – May 2018
	+ Data Warehouse Source System Integration: May 2016 – Nov 2017
	+ eBusiness Suite: May 2016 – May 2018
* **HP – Senior Delivery Manager – 2006-2016**
* Projects
	+ Canon Europe: Mar 2014 – April 2016
	+ Vodafone UK – e-Shop: Jul 2011 – Feb 2014
	+ Vodafone Netherlands: Mar 2011 – Jun 2011
	+ EMEA Delivery Assurance, Nov 2009 – Feb 2011
	+ Project Management Office, Jan 2009 – Oct 2010
	+ PPI – Performance & Process Improvement, Jan 2008 – Jun 2008
	+ MA MMIS: Massachusetts Medicare Management Information System, May 2006 – Dec 2008
	+ EDON: Employer Direct Online, Jan 2006 – Apr 2006
* **Raya IT – Projects Governance – 2004-2005**
* **IBM – Systems Specialist– 1995-2002**
	+ System Sales Specialist, 1996 –2002
	+ Software Developer, 1995 –1996
* **IDSC – Quality Officer – 1992-1995**

**Date of Birth:** 29 September 1969 | **Languages:** English and Arabic