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ACADEMIC QUALIFICATIONS

- EngDoc, Engineering Doctorate in Computer Science, Centre of Innovative and Collaborative Engineering, Loughborough University, July 2008
- PGCert, Post Graduate certificate in Innovation and Management with Distinction– Loughborough University, December, 2006
- MSc. Multimedia and Internet computing- Loughborough University, 2003
- BSc. Computer science- American University of Beirut, Lebanon, July 2001
- Baccalaureate Degree (Science) – Tripoli Evangelical School, Lebanon, June 1998

CAREER SUMMARY

- **Princess Sumaya University for Technology**, September 2022- To date
Position: Head of Computer graphics and Animation Department
- **Princess Sumaya University for Technology**, March 2017- To date
Position: Associate Professor of Computer Science
- **Princess Sumaya University for Technology**, September 2008- March 2017
Position: Assistant Professor of Computer Science
- **Loughborough University**, October 2004- May 2008
Position: Part time Teaching Assistant
- **Khatib and Alami Consolidated Engineering Company**, November 2001 - June 2002
Position: GIS (Geographical information systems) Developer

UNIVERSITY SEED FUNDS INVOLVED IN

- Project Title: “Enhancing Visitor Experiences through Virtual and Augmented Reality: Case Study of the National Museum of Jordan”

Project Proposal Abstract: This research investigates the development and evaluation of Virtual Reality (VR) and Augmented Reality (AR) applications designed to enhance visitor experiences at the National Museum of Jordan. The study employs a mixed-methods approach to assess the impact of these technologies on educational outcomes and visitor engagement. The applications aim to provide immersive and interactive encounters with Jordanian history and culture, offering unique opportunities for learning and exploration within the museum environment. Data collection includes surveys, observations, and interviews to evaluate usability, educational effectiveness, and overall visitor satisfaction. Expected outcomes encompass improved engagement, enhanced retention of historical knowledge, and potential implications for digital engagement strategies in cultural institutions worldwide. This study contributes to advancing educational experiences and cultural preservation through innovative technological applications in museum contexts.

Team Members: Ms Narmeen Hyari (Team Leader), Ms Rosana Marar, Dr Sara Tedmori

Project Start Date: August 2024

Project End Date: October 2025

Publication: Alhyari, N., Marar, R., & Tedmori, S. (2026). Enhancing cultural learning through virtual reality: A case study of the 'Ain Ghazal statues. *Journal of Information Technology Education: Research*, 25, Article 5. <https://doi.org/10.28945/5722>

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- Alhyari, N., Marar, R., & **Tedmori, S.** (2026). "Enhancing cultural learning through virtual reality: A case study of the 'Ain Ghazal statues", *Journal of Information Technology Education: Research*, Vol. 25, pp. 5. <https://doi.org/10.28945/5722>
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- Marar, R., Alhyari, N., **Tedmori, S.** (2025), Improving 3D Animation Education: A Case Study of Curriculum Development in Jordan, *International Journal of Engineering Pedagogy*, Vol. 15, No. 5, pp. 89-107, <http://dx.doi.org/10.3991/ijep.v15i5.53579>
- Alhyari, N., Marar, R., **Tedmori, S.** (2025), "The Impact of Motion Graphics versus Text-Based Formats on Anxiety and Learning: A Case Study in Jordan", *International*

Journal of Engineering Pedagogy (iJEP), Vol 15, No. 1, pp. 75-93,
<https://doi.org/10.3991/ijep.v15i1.52065>

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- Dorgham, O., Ryalat, M., **Tedmori, S.**, Al-Rahamneh, Z., Al-Najdawi, N., Mirjalili, S. (2023) “Harris Hawks Optimization for Covid-19 Diagnosis Based on Multi-threshold Image Segmentation”, *Neural Computing and Applications*, Vol. 35, No. 9, pp 6855–6873, <https://doi.org/10.1007/s00521-022-08078-4>
- Alhijawi, B., Obeid, N., Awajan, A., **Tedmori, S.** (2022), “New hybrid semantic-based collaborative filtering recommender systems”, *International Journal of Information Technology*, Vol 14, pp. 3449-3455, <https://doi.org/10.1007/s41870-022-01011-x>
- Al-Dabet, S., **Tedmori, S.**, Al-Smadi, M (2021), “Enhancing Arabic aspect-based sentiment analysis using deep learning models”, *Computer Speech & Language*, Vol. 69, pp. 101224, <https://doi.org/10.1016/j.csl.2021.101224>
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- Biltawi, M., Awajan, A., **Tedmori, S.**, (2020), “Towards Building an Open-Domain Corpus for Arabic Reading Comprehension”, *Proceedings of the 35th International*

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- Al-Dabet, S., **Tedmori, S.**, (2020), “Extracting Opinion Targets Using Attention-Based Neural Model”, *SN Computer Science*, 1:242
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- Biltawi, M., Awajan, A., **Tedmori, S.**, (2019), “Evaluation of Question Classification”, *2nd International Conference on new Trends in Computing Sciences*, Amman, Jordan
- Hambouz, A., Shaheen, Y., Manna, A., Al Fayoumi, A., **Tedmori, S.** (2019), “Achieving Data Integrity and Confidentiality Using Steganography and Hashing Techniques”, *2nd International Conference on new Trends in Computing Sciences*, Amman, Jordan
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