

# Kamran Mir

SENIOR RESEARCH ASSISTANT | EDUCATION TECHNOLOGIST

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## Summary

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Education Technology Researcher and Trainer with a strong background in programming and GIS. A certified Prezi Educator Trainer and having technical certifications in various areas. My career includes roles such as Assistant Director IT at Allama Iqbal Open University, where I was responsible for the development and maintenance of the LMS (Moodle) at scale, as well as conducting several technology trainings. I'm currently pursuing a Doctor of Philosophy degree at TU Dublin, focusing on immersive learning WebXR and learning analytics for online and distance education. My previous research as a PhD scholar at IGIS, NUST, involved developing a geo-spatial model for distance education and exploring spatial learning analytics using Moodle and H5P. My dedication to education and research, along with my technical skills and certifications, make me an asset in the field of Education Technology.

## Work Experience

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**Technological University Dublin, Ireland | Senior Research Assistant** **Mar 2024 – Current**

- Assisting in Immersive Game Design Research and Development for GroSafe Project
- Development of educational games in FrameVR, Spatial.io and other game development tools.
- Development of Microsoft Forms for feedback and Data Collection
- Data Analysis and Literature Review related to Child Grooming and Online Safety
- Coordination, training and management of school trials

**Allama Iqbal Open University, Islamabad, Pakistan | Assistant Director IT** **May 2013 – Feb 2024**

- Lead the Learning Management System (LMS) team supporting 1 million students.
- Developed more than 25 web apps using Open-Source Technologies (PHP, WordPress, OJS)
- More than 100 EdTech Trainings of Teachers and Staff (Prezi, Moodle, H5P, Excel, Word)
- Taught ICT and OER for more than 5 years in Online and Blended Model at program levels.
- Won four international awards (One Gold Medal and Three Silver Medals) by AAOU.

## Education

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**PhD, Technological University, Dublin** **2023 - Current**

Learning Analytics | WebXR Immersive Learning | Distance and Online Education

**Master of Arts in Education, Allama Iqbal Open University, Pakistan** **2022**

Distance and Online Education | Education Technology | Comparative Education

**MS Remote Sensing and GIS, National University of Science and Technology, Pakistan** **2015**

Web GIS | Spatial Decision Support System

**MS Computer Science, Allama Iqbal Open University, Pakistan** **2014**

Thesis Title: Formative Mobile Assessment in Distance Education

 [Gold Medal - Young Innovator by Asian Association of Open Universities 2018](#)

**BS Computer Science, Allama Iqbal Open University, Pakistan** **2008**

Final Year Project: ASP.Net C# web-based Electronic Medical Record System

## **Skills**

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- Management
- Problem solving
- Communication (IETLT: 6.5 | Duolingo: 125)
- Leadership

## **Certifications**

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- Prezi Certified Educator Trainer - 2023
- Prezi Certified Educator - 2023
- Microsoft Office Specialist – Word 2016
- Microsoft Office Specialist – Excel 2016
- SUPARCO – Open Source WebGIS
- EVS Certified Web Developer (PHP)
- EVS Certified .NET Specialist
- ESRI Certified – Spatial Analyst
- ESRI Certified – JavaScript Web Apps
- ESRI Certified – Basics of Python
- ESRI Certified – Getting Started with GIS
- Virtual University Certified – E-Commerce
- Brainbench Certified – Web Design

## **Memberships**

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- Association of Educational Communications and Technology
- International Council for Distance Education
- Moodle User Association
- Public Knowledge Project (PKP)
- H5P Ambassador
- The Association for Geographic Information (AGI)

## **Fellowships**

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- Research Fellow, Anadolu University, Eskişehir, Türkiye (Sep 2023)
- Future Energy Fellow, Petronas, Kuala Lumpur, Malaysia (Jun 2023)
- Research Fellow, University of Philippines Open University, Los Baños, Philippines (Nov 2019)
- Research Fellow, Shanghai Open University, Shanghai, China (Oct 2015)

## Awards

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- Silver Medal – Best Practice Award, 36<sup>th</sup> AAOU Conference, Istanbul Türkiye (Sep 2023)
- Silver Medal – Young Innovator Award, 34<sup>th</sup> AAOU Conference, Colombo Sri Lanka (Jun 2021)
- Silver Medal – Young Innovator Award, 33<sup>rd</sup> AAOU Conference, Lahore Pakistan (Oct 2019)
- Gold Medal – Young Innovator Award, 32<sup>nd</sup> AAOU Conference, Hanoi Vietnam (Oct 2018)
- 1<sup>st</sup> Position – AIOU Innovative Ideas Competition (Sep 2023)
- 2<sup>nd</sup> Position – Province Level, National Idea Bank in Education Sector (Jan 2022)
- 1<sup>st</sup> Prize – Poster Competition, 2<sup>nd</sup> National Graduate Conference, AIOU, Pakistan (Aug 2018)
- Finalist – Best Paper Award, 6<sup>th</sup> NCODEL Baguio, Philippines (Nov 2019)

## Journal Publications

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1. Mir, K., Figueroa Jr., R. B., & Zuhairi, A. (2024). An Evaluation of Virtual Learning Environments in three Open Universities in Asia. *Turkish Online Journal of Distance Education*, 25(1), 200-212. <https://doi.org/10.17718/tojde.1219386>
2. Mir, K., Tahir, A. ., & Amir, H. . (2023). Google Analytics for User-Centered Design: A Case Study in Open And Distance e-Learning. *International Journal on Open and Distance E-Learning*, 9(1)
3. Bozkurt, A., Xiao, J., Lambert, S., Pazurek, A., Crompton, H., Koseoglu, S., Farrow, R., Bond, M., Nerantzi, C., Honeychurch, S., Bali, M., Dron, J., Mir, K., Stewart, B., Costello, E., Mason, J., Stracke, C. M., Romero-Hall, E., Koutropoulos, A., Toquero, C. M., Singh, L., Tili, A., Lee, K., Nichols, M., Ossiannilsson, E., Brown, M., Irvine, V., Raffaghelli, J. E., Santos-Hermosa, G., Farrell, O., Adam, T., Thong, Y. L., Sani-Bozkurt, S., Sharma, R. C., Hrastinski, S., & Jandrić, P. (2023). Speculative Futures on ChatGPT and Generative Artificial Intelligence (AI): A Collective Reflection from the Educational Landscape. *Asian Journal of Distance Education*. Retrieved from <http://www.asianjde.com/ojs/index.php/AsianJDE/article/view/709>
4. Mir, K., Iqbal, M. Z., Shams, J.A. (2021). Investigation of Students' Satisfaction about H5P Interactive Video on MOODLE for Online Learning. *International Journal of Distance Education and E-Learning*, 7(1),71-82. HEC Recognized 'Y' Category
5. Zuhairi, A., Raymundo, M.R.D.R. and Mir, K. (2020), "Implementing quality assurance system for open and distance learning in three Asian open universities: Philippines, Indonesia and Pakistan", *Asian Association of Open Universities Journal*, Vol. 15 No. 3. <https://doi.org/10.1108/AAOUJ-05-2020-0034> HEC Recognized 'Y' Category
6. Iqbal, M. Z., Mir, K., Janjua, S. (2020). An Examination of Open and Distance Learning Support System using Data Analytics: A Case Study of AIOU. *International Journal of Distance Education and E-Learning*, 5(2),58-73. HEC Recognized 'Y' Category
7. Mir, K., Iqbal, M. Z., & Shams, J.A. (2019). An Investigation of AIOU Students' Satisfaction about Formative M-Assessment using SMS Technology. *Pakistan Journal of Distance and Online Learning*, 5(2),157-174. HEC Recognized 'Y' Category
8. Khan, S., Mir, K., Tahir, A., Awan, A., Nisa, Z., & Gillani, S. (2018). Allocation of Tutors and Study Centers in Distance Learning Using Geospatial Technologies. *ISPRS International Journal of Geo-Information*, 7(5), 185. MDPI AG. Retrieved from <http://dx.doi.org/10.3390/ijgi7050185> Impact Factor: 3.09 HEC Recognized 'W' Category
9. Nisa, Z., Mir, K., Fatimah, H., Batool, S., Sanaullah, Atif, S., & Awan, M. (2018). Application of satellite remote sensing in forest change detection and its environmental impacts in district Abbottabad, Pakistan. *Journal of Pure and Applied Agriculture*, 3(1), 49-62. HEC Recognized 'Y' Category
10. Mir, K. (2017). Design and Development of Online Student Support System. *Pakistan Journal of Distance and Online Learning*, 3(1), 1-8. HEC Recognized 'Y' Category

## Conference Publications

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1. Mir, K. (2023). Measuring the success of ArcGIS StoryMaps in Delivering Online Education to Distance Learners: A Mixed Methods Study. 36th AAOU Annual Conference 2023. Istanbul, Türkiye: Anadolu University.
2. Amir, H., Mir, K., Tahir, A., Atif, S., Muslim, A. (2023). Development of Predictive Model for Student Learning Outcomes based on Spatial Learning Analytics of Open and Distance Learning students. 36th AAOU Annual Conference 2023. Istanbul, Türkiye: Anadolu University.
3. Mir, K. (2022). Design and Implementation of Spatial Learning Analytics in Distance Education. 35th AAOU Annual Conference 2022. Jeju Island, Korea: Korea National Open University.
4. Mir, K., Figueroa, R., Zuhairi, A. (2022). A Pre-pandemic Evaluation of Learning Environments in Three Open Universities in Asia. 5th International Open and Distance Learning Conference (IODL 2022). Eskisehir, Republic of Türkiye: Anadolu University.
5. Mir, K. (2022). Implementation of DeLone and McLean Information System Success Model to measure the success of MOODLE LMS at Allama Iqbal Open University. 5th International Open and Distance Learning Conference (IODL 2022). Eskisehir, Republic of Türkiye: Anadolu University.
6. Mir, K. (2021). H5P interactive video content in MOODLE to improve learners' engagement in Online Learning. 34th AAOU Annual Conference 2021. Colombo, Sri Lanka: The Open University of Sri Lanka. [AAOU Silver Medal]
7. Mir, K. (2019). GOLDEN: Geospatial Model For Distance Education. 33rd AAOU Annual Conference 2019. Lahore, Pakistan: Virtual University. [AAOU Silver Medal]
8. Mir, K. (2018). Formative Mobile Assessment in Distance Learning. 32nd AAOU Annual Conference 2018. Hanoi, Vietnam: Hanoi Open University. [AAOU Gold Medal]
9. Sangi, N.A., Mir, K. & Ali, T. (2016). Using Analytics to Improve Learner-Centered Application Design. Pan-Commonwealth Forum 8 (PCF8), Kuala Lumpur, Malaysia: OUM.
10. Shabbir, H., Mir, K. & Khan, S. (2016). Degree Tracking System (DTS) to improve the efficiency and effectiveness of ODL System – A case study of AIOU. Pan-Commonwealth Forum 8 (PCF8), Kuala Lumpur, Malaysia: OUM.
11. Mir, K., & Mahmood, A. (2016). Examining the Success Factors of Online Student Support System at AIOU. Pan-Commonwealth Forum 8 (PCF8), Kuala Lumpur, Malaysia: OUM.
12. Mir, K. (2015). SMS based query system for Open and Distance Learning Institutes – A case study of AIOU. 29th AAOU Annual Conference 2015. Kuala Lumpur, Malaysia: OUM.
13. Sangi, N.A., & Mir, K. (2015). Web Architecture of Mobile Social Media for Attitude Synthesis. 29th AAOU Annual Conference 2015. Kuala Lumpur, Malaysia: OUM.
14. Mir, K., Fatima, S. (2014). Earthquake Auto-SMS Alert System – A Case Study of Pakistan. The 2nd International Conference on Applied Information and Communications Technology. Muscat: Oman.
15. Mir, K., Tariq, A. & Atif, S. (2013). Stream Width – An ArcGIS Toolbox for Calculating Stream Width. 5th World Engineering Congress (p. 39). Islamabad: Pakistan Engineering Council.
16. Mir, K. (2009). Use of Mobile-Assessment in Distance Learning. mGCI Conference. Barcelona, Spain: mLIFE.

## Speaker / Panelist / Moderator

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- Panelist – Artificial Intelligence in Education, 36<sup>th</sup> AAOU Conference, Istanbul, Türkiye (2023)
- Moderator – AAOU Webinar on “The Future of Open, Flexible and Distance Learning” (2023)
- Panelist – EdCrunch 2022, Almaty, Kazakhstan (2022)
- Speaker – AAOU Webinar on Student Spirations – Employability (2021)
- Speaker – NITB Officers, Islamabad (2023)
- Speaker – FGEID Teachers, Rawalpindi (2023)