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EDUCATION

2016-2022	Hacettepe University, Computer Education and Instructional Technology, Ph.D.
2014-2016	Hacettepe University, Computer Education and Instructional Technology, M.S.
2009-2013	MKU, Computer Education and Instructional Technology, B.S.

ACADEMIC POSITIONS

Sept. 2023-Present	Assistant Professor, Department of Information Systems Engineering, Atılım University, Turkey
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ADMINISTRATIVE DUTIES

2025-Present	Vice Chair of the Department of Information Systems Engineering
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RESEARCH INTERESTS

1	Flipped Learning
2	Learning Strategies
3	Usability
4	Critical Thinking
5	Instructional Design
6	STEM Education
7	E-Commerce

PUBLICATIONS

1	Ay, K., & Dağhan, G. (2023). The effect of the flipped learning approach designed with community of inquiry model to the development of students' critical thinking strategies and social, teaching and cognitive presences. <i>Education and Information Technologies</i> , 28, 15267–15299. doi: 10.1007/s10639-023-11809-2
2	Ay, K., & Dağhan, G. (2022). Sorgulama topluluğu modeli ile desteklenmiş bir dönüştürülmüş öğrenme ortamına ilişkin öğrenci görüşleri: Bir durum çalışması. <i>Eğitim Teknolojisi Kuram ve Uygulama</i> , 12 (1), 221-260.
3	Ay, K. & Seferoğlu, S. S. (2021). Farklı ülkelerin STEM eğitimi politikalarının incelenmesi ve Türkiye için çıkarımlar. <i>Erzincan Üniversitesi Eğitim Fakültesi Dergisi</i> , 23(1), 82-105. doi:10.17556/erziefd.669988
4	Ay, K., & Erdem, M. (2020). An investigation on university students' online information search strategies and relationships with some educational variables. <i>Hacettepe University Journal of Education</i> , 35(4), 843-857. doi: 10.16986/HUJE.2019051147
5	Ay, K., & Seferoğlu, S. S. (2017). Lisansüstü öğrencilerin çevrim-içi bilgi arama stratejilerinin çeşitli değişkenler açısından incelenmesi. <i>Kastamonu Eğitim Dergisi</i> , 25(1), 51-66.
6	Tepe, T., Işık, N., Ay, K., & Erdem, M. (2016). Yansıtıcı düşünme odaklı bir çevrimiçi ortamın oluşturulması ve etkililiğinin incelenmesi. <i>Turkish Online Journal of Qualitative Inquiry</i> , 7(3), 134-164.

PROJECTS

1	Enhancing the Quality of VET Education and Training through Innovation with Virtual Reality (VRinVET) ERASMUS-EDU-2023-CB-VET Project number: 101128646
2	SMART KIDS Code 2017-1-ES01-KA201-038269 PROGRAMME ERASMUS + / KA2 Youth Strategic Partnership

CONFERENCE PRESENTATIONS

1	Şemso, İ., & Ay, K. (2024, 12 December). <i>A systematic review of machine learning models in learning analytics: Trends, effectiveness, and educational contexts</i> . The 5th International Conference on Distance Education and Innovative Education Technologies (DILET2024), 172–173.
2	Akçay, A., Ay, K., Yıldırım, D., & Yurdugül, H. (24-26 May 2017). E-öğrenme ortamlarındaki çarpık log verilerinde aykırı değer belirleme testlerinin karşılaştırılması. <i>11. Uluslararası Bilgisayar ve Öğretim Teknolojileri Sempozyumu</i> . Malatya.
3	Demir, Ö., Tuluk, A., Ay, K., Özçelik, F., & Tüzün, H. (21 – 25 August). The evaluation of e-government web portal in Turkey through eye-tracking method. ECER 2017, University College UCC, Copenhagen.
4	Tepe, T., Işık, N., Ay, K. & Erdem M. (20 – 22 May 2015). Developing a reflective thinking focused online environment and investigation its effectiveness. <i>9. International Computer and Instructional Technologies Symposium</i> . Afyonkarahisar.

COURSES GIVEN

1	Human-Computer Interaction
2	Computer Programming
3	Computer Programming I
4	Computer Programming II
5	Database Design and Management
6	Introduction to Computers and Information Systems
7	Project Orientation
8	E-Commerce - A Managerial Perspective

THESES SUPERVISED

1	Ahmed, A. A. (2024). Design and development of an automated USSD-based mobile payment system for money transfer companies [Unpublished master's thesis]. Atılım University.
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