



**Meltem Eryılmaz, Ph.D.**

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**PERSONAL**

<b>Place of Birth</b>	Ankara
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**EDUCATION**

2009-2013	Ankara University, Computer Education and Instructional Technology (CEIT), Ph.D.
2005-2008	Atılım University, Computer Engineering, M.S.
1988-1993	Middle East Technical University, Statistics, B.S.

**ACADEMIC POSITIONS**

<b>2020-...</b>	Assoc.Prof.Dr. Department of Computer Engineering, Atılım University, Turkey
<b>2019-2020</b>	Guest Lecturer- University of Applied Sciences Upper Austria, Software Engineering Department, Austria
<b>2014-2020</b>	Asst.Prof.Dr., Department of Computer Engineering, Atılım University, Turkey
<b>2013-2014</b>	Dr.Instructor, Department of Computer Engineering, Atılım University, Turkey
<b>2010-2011</b>	Guest Lecturer- Faculty of Mathematics and Computer Science, Lodz University, Poland
<b>2001-2012</b>	Instructor, Department of Computer Engineering, Atılım University, Turkey

**PROFESSIONS**

<b>Title</b>	<b>Company</b>	<b>S.Date</b>	<b>E.Date</b>
District Office Manager	Link Plus A.Ş (Oracle VA Dist.)	02-1998	02-2001
Software Dept. Manager	Arena Bilgisayar A.Ş. (Microsoft VA Dist.)	07-1995	02-1998
Training Specialist	Protek Bilgisayar A.Ş.	06-1994	07-1995
Software Specialist	Entek Bilgisayar A.Ş	09-1993	06-1994

## HONORS&AWARDS

1	ISER Excellent Paper Award 2015. "On the Measurement of Cognitive Load in a Flipped Learning Environment", ISER 8th International Conference on Education and Social Science, İstanbul.
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## RESEARCH INTERESTS

1	Data Warehousing & Data Mining
2	Database Management Systems
3	Artificial Intelligence Based Technologies
4	Adaptive Learning
5	e-Learning

## PROFESSIONAL SERVICE

1	Reviewer, Science and Education Publishing
2	Reviewer, Interactive Learning Environments

## PUBLICATIONS

1	<b>M.Eryilmaz ,G.Kalem, H.Kilic, G.Tirkes, D.Topalli, C.Turhan, B.Alakus and A.Yazici (2022)</b> Online Learning Perceptions amid COVID-19 Pandemic: The Engineering Undergraduates' Perspective, International Journal of Engineering Education, Good Practices for Emergency Situations and Remote Regions – Part 2 special issue, Volume 38 Number 2 ISSN 0949-149X, P 408-420 <b>(SCI –Expanded)</b>
2	<b>M. Eryilmaz, O. Ertan., F. Yalçinkaya., &amp; E. Kara (2021).</b> A Prediction Study about the Pandemic Era based on Machine Learning Methods. International Journal on Recent and Innovation Trends in Computing and Communication, 9(12), 01–07. Retrieved from <a href="https://ijritcc.org/index.php/ijritcc/article/view/5492">https://ijritcc.org/index.php/ijritcc/article/view/5492</a>
3	<b>M.Eryilmaz, A. Adabashi (2020)</b> , Development of an Intelligent Tutoring System Using Bayesian Networks and Fuzzy Logic for a Higher Student Academic Performance . MDPI. Appl. Sci. 2020, 10(19), 6638. doi:10.3390/app10196638. <b>(SCI –Expanded)</b>
4	<b>A. Adabashi, M.Eryilmaz (2019)</b> , Bayesian Network Based On Fuzzy Logic In Educational IntelligentSystems. International Education & Research Journal [IERJ], E-ISSN No : 2454-9916, Volume : 5, Issue : 12 , Dec 2019
5	<b>M.Eryilmaz , A. Adabashi, A.Yazıcı (2019)</b> , Artificial Intelligence Technologies in e-Learning. Handbook of Research on Faculty Development for Digital Teaching and Learning. <b>Book Chp.</b> IGI-global. ISBN13: 9781522584766, DOI: 10.4018/978-1-5225-8476-6

6	<b>M.Eryilmaz (2019)</b> , Sanal Öğrenme Ortamlarındaki Öğrenci Davranışlarının Kümeleme Yöntemi İle Analiz Edilmesi. YYÜ Eğitim Fakültesi Dergisi (YYU Journal of Education Faculty), DOI: 10.23891/efdyyu.2019.139
7	<b>M.Eryilmaz, R.Jaballa (2019)</b> , Öğrenme Stillere Göre Kişiselleştirilmiş Çevrimiçi Öğrenme Ortamları İçin Bir Model Önerisi. Turkish Studies. DOI: 10.29228/TurkishStudies.22673
8	<b>M.Eryilmaz, C.Çiğdemoğlu (2018)</b> , Individual Flipped Learning and Cooperative Flipped Learning: Their Effects on Students' Performance, Social, and Computer Anxiety, Interactive Learning Environments. Published online: 17 Sep 2018 <a href="https://doi.org/10.1080/10494820.2018.1522652">https://doi.org/10.1080/10494820.2018.1522652</a> . (SSCI) Volume 27 Issue 4
9	<b>M.Karakaya, M.Eryilmaz, U.Ceyhan (2018)</b> , Analyzing Students' Academic Success in Pre-requisite Course Chains: A Case Study in Turkey, International Journal of Engineering Education (IJEE) Vol. 34, No. 2(A), pp. 1–7.(SCI –Expanded)
10	<b>M. Eryilmaz, M. Karakaya (2018)</b> , Harmanlanmış Öğrenme Ortamlarında Sosyal Medya Kullanımının Öğrenci Doyumu Üzerine Etkisi, YYÜ Eğitim Fakültesi Dergisi (YYU Journal of Education Faculty), ISSN: 1305-020
11	<b>M.Eryilmaz (2018)</b> , Current Approaches in Education: Flipped Learning Environments,Gece Kitaplığı, 428-437, Book Chp
12	<b>K. Al-Khafaji, M. Eryilmaz (2017)</b> , T.R.P Mechanism to Secure E-learning Information that Shared with Cloud Storage, British Journal of Applied Science&Technology, Vol18(6)
13	<b>M. Eryilmaz, I. Kılıç (2017)</b> , A New Computer Programming Course Enriched With Advanced Technologies, International Journal on Future Revolution in Computer Science & Communication Engineering (IJFRSCE), Volume 3 Issue 10 , pp. 07 – 11
14	<b>M. Eryilmaz, A. Ahmed (2017)</b> , An Adaptive Teaching Model For Flipped Classroom, Recent and Innovation Trends in Computing and Communication (IJRITCC), July 2017 Volume 5 Issue 7.
15	<b>M. Eryilmaz (2016)</b> , How The Digital Innovation And Flipped Classroom Are Radically Transforming Teaching And Learning Informatics, Informatics. Innovative Teaching Approaches, 99-113, Casa C?r?ii De Ştiin?? Cluj- napoca, <b>Book Chp</b>
16	<b>M. Eryilmaz (2015)</b> , The Effectiveness of Blended Learning Environments, Contemporary Issues in Education Research(CIER), Vol 8, No 4
17	<b>M. Sahinoglu, C. Kelsoe, S. Morton and M. Eryilmaz (2014)</b> , Quantitative metrics to assess and manage national cyber security risk using risk meter software, International Journal of Computer Theory and Engineering (IJCITAE), vol. 8, no. 2, 83-98
18	<b>M. Sahinoglu, P. Vasudev, S. Morton and M. Eryilmaz, (2014)</b> . Bank customer service risk: quantitative risk assessment and management. International Journal of Computers, Information Technology and Engineering. 8, 99-107

19	<b>M.Eryilmaz, N.Simsek (2014)</b> , The Evaluation of Students' Academic Achievements in Adaptive Environments, Education and Science, 2014, Vol. 39, No 173. <b>(SSCI)</b>
20	<b>M. Eryilmaz (2012)</b> , Uyarlanabilir İçerik ve Uyarlanabilir Gezinmenin Öğrenci Doyumu ve Bilişsel Yüke Etkileri, Eğitim Bilimleri ve Uygulama Dergisi, 20

## CONFERENCE PRESENTATIONS

1	Al-Khafaji M., Eryilmaz M. (2022) Using Artificial Intelligence Methods to Predict Student Academic Achievement. In: Arai K. (eds) Proceedings of the Future Technologies Conference (FTC) 2021, Volume 2. FTC 2021. <b>Lecture Notes</b> in Networks and Systems, vol 359. <b>Springer</b> , Cham. <a href="https://doi.org/10.1007/978-3-030-89880-9_31">https://doi.org/10.1007/978-3-030-89880-9_31</a>
2	F. Ak, V. B. Özkan, G. Gonder, E. Sumeroglu and M. Eryilmaz, "Biletini Devret: A Secure Mobile App for Ticket Sales," <i>2021 2nd International Informatics and Software Engineering Conference (IISEC)</i> , 2021, pp. 1-5, doi: 10.1109/IISEC54230.2021.9672404.
3	Meltem Eryilmaz, Ahmed Al-Jaf (2021). Development Of Online Aviation Course Based On 3d Visualization Model, International Conference on Research in Education and Social Sciences (ICRESS),10-13 June, 2021 Istanbul, Turkey.
4	Meltem Eryilmaz, Ahu Genis-Gruber (2021). Assessment Of Online Exam System Perception In Covid-19 Pandemic Era. 8 th International Conference on Educational Technologies, 3-4March 2021, Virtual.
5	Meltem Eryilmaz (2019). Student motivation and student perception in mobile learning (M-learning), ICDLE 2019 ,10th International Conference on Distance Learning and Education, October 28-31, Amsterdam, The Netherlands.
6	Meltem Eryilmaz, Afaf Muftah Adabashi (2019). How Artificial Intelligence Technologies Shape e-Learning?, International Conference on Research in Education and Science (ICRES), Çeşme, Turkey.
7	Meltem Eryilmaz, Rabieaa Jaballa, (2018) , Using Vark Approach For Designing E-Learning Environments, International Conference on Research in Education and Science (ICRES), Marmaris,Turkey.
8	Meltem Eryilmaz, Aslı Numanoğlu Genç (2018). Clustering Moodle User Data: A Case Study, II. International Conference on Engineering Technology and Innovation, Budapest, Hungary

9	Aslı Numanoğlu Genç, Meltem Eryılmaz (2018). Impact of Technology Based Learning Environment on Student Performance in a Civil Engineering Course, II. International Conference on Engineering Technology and Innovation, Budapest, Hungary
10	Meltem Eryılmaz (2017), Effects of adaptive approaches on Flipped Learning Environments, International Teacher Education Conference-ITEC, Harvard University, Cambridge, USA
11	Murat Karakaya, Meltem Eryılmaz, Atila Bostan (2017), Predicting Student Success according to Online Activities in a Blended Course using Artificial Neural Networks, The Fifth International Symposium on Engineering, Artificial Intelligence and Applications (ISEAIA 2017), Girne American University, , Girne, North Cyprus
12	Khalid Al-Khafaji, Meltem Eryılmaz (2017), Auditor Technology and Privacy Control to Secure e-Learning Information on Cloud Storage, Istanbul International Conference On Progress In Applied Science 2017 - ICPAS 2017, İstanbul
13	Meltem Eryılmaz, Aisha Ahmed (2016), Adaptive Technologies for Flipped Learning, 6th International Conference on "Innovations in Learning for the Future" 2016: Next Generation October 24-26, 2016, İstanbul, TURKEY
14	Meltem Eryılmaz (2015), Flipped Classroom and Cognitive Load, ICEFIC 2015- International Congress on Education for the Future: Issues and Challenges, 13-15 May 2015, Ankara
15	Nurettin Şimşek, Meltem Eryılmaz (2015), Uyarlanabilir Öğrenme Araştırmalarının Yöntem ve Sonuçlarına İlişkin Eleştirel Bir Okuma, ICITS 2015- 9th International Computer & Instructional Technologies Symposium, 20-22 May 2015, Afyonkarahisar
16	Meltem Eryılmaz (2015), On the Measurement of Cognitive Load in a Flipped Learning Environment, ISER 8th International Conference on Education and Social Science, ISBN-978-93-85832-10-9, 81
17	Meltem Eryılmaz (2015), The Effectiveness of Blended Learning Environments, International Business & Education Conference, June 2015, London, United Kingdom
18	Sahinoglu M., Stockton S, Morton S., Vasudev P., Eryılmaz M. (2014), Metrics to Assess and Manage Software Application Security Risk, WORLDCOMP'14, Las Vegas, SAM9711
19	Sahinoglu M., Stockton S., Morton S., Barclay R., Eryılmaz M. (2014), Assesing Digital Forensics Risk: A METRIC SURVEY APPROACH, SDPS 2014, The 19 th International Conference on Transformative Science, Engineering Business and Social Innovation, Malaysia
20	Meltem Eryılmaz (2016), Öğrenci Merkezli Dönüştürülmüş Sınıfın Akademik Başarı Üzerindeki Etkisi, Eğitim Teknolojileri Zirvesi Bildiriler Kitabı, Ankara

21	Meltem Eryılmaz, Aslı Genç (2016), İnşaat Mühendisliği Eğitimi'nde e-Öğrenme'ye Bakış, 3.İNŞAAT MÜHENDİSLİĞİ EĞİTİMİ SEMPOZYUMU BİLDİRİLER KİTABI, Ankara
22	Aslı Genç, Meltem Eryılmaz, Burak Şahin (2016), İnşaat Mühendisliği'nde Uzaktan Eğitim:'Moodle ile örnek bir ders çalışması', 3.İNŞAAT MÜHENDİSLİĞİ EĞİTİMİ SEMPOZYUMU BİLDİRİLER KİTABI

#### PATENTS

1	"Diş Hekimliği Uygulama Eğitiminde Yapay Zeka Öğretisi ile Preparasyon Ölçme ve Değerlendirme Sistemi", Başvuru numarası (Application No.): 2021/012669 (BELGE ONAYLANDI)
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#### COURSES GIVEN

1	Data Warehousing and Data Mining
2	Database Management Systems
3	Introduction to Computers & Programming in C
4	Computers and Information Systems
5	Computer Programming C++
6	Distance Education and e-Learning
7	Visual Programming
8	Web Technologies

#### THESES SUPERVISED

1	MS Thesis, Student Achievement Prediction Based on Artificial Neural Network Versus Fuzzy Logic, Mustafa Al-Khafaji, 2021
2	Phd Thesis, Artificial Intelligence Based Technologies in E-Learning, Afaf Adabashi, 2020
3	MS Thesis, Virtualization technology for online aviation course, Ahmed Al-Jaf, 2020
4	MS Thesis, A case study for designing an adaptive learning environment by applying vark model, Rabieaa Jaballa, 2017
5	MS Thesis, An adaptive educational model for flipped classroom, Aisha Ahmed, 2017
6	MS Thesis, Auditor Technology and Privacy control to secure e-learning information on cloud storage, Khalid Al-Khafaji, 2017
7	MS Thesis, Development of an adaptive Link Generation Module for a LMS by using cloud computing environment, İdil Kılıç, 2016