Course Syllabus

Code - Course Title	**TDE598 - The Future of Language in the Age of Artificial Intel.and D.**
Course Type	II. SEMESTER
Laboratory + Practice	3+0
ECTS	**6.0**
Language of Instruction	Türkçe
Course Type	Elective Courses
Course Instructor(s)	PROF. DR. EMİNE KOLAÇ

Mode of Delivery	The mode of delivery of this course is face to face.
Prerequisites	None
Courses Recomended	None
Recommended Resources	1. Arslan, F., & Demir, K. (2023). Türkçenin geleceği ve dijital tehditler. Folklor/Edebiyat, 29(113), 339-357.2. Aydın, C. (2021). Yapay zekâ çağında Türkçenin durumu. Dilbilim Araştırmaları, 32(1), 85-101.1. Cao, R., & Boullier, D. (2022). Language standardization in the digital age. Journal of Language and Politics, 21(2), 195-214.3. Coşkun, V. & Aksoy, H. (2022). Dijitalleşen toplumda dilin evrimi. Dil ve Toplum, 1(1), 18-35.4. Çotuksöken, Y. (2022). Dil ve Teknoloji: Etkileşimler ve Gelişimler. Türk Dili Araştırmaları Yıllığı Belleten, 70(2), 145-162.2. Danks, D. (2023). Language, technology, and ethics: Navigating new challenges. AI & Ethics, 3, 321-337.5. Demirel, S. (2022). Türkçede dijitalleşme ve standartlaşma. Türk Dili ve Edebiyatı Dergisi, 62(1), 201-218.3. Floridi, L. (2021). The Philosophy of Information. Oxford University Press.6. Güneş, F. (2021). Yapay zekâ temelli metin üretiminin dil öğretimine etkisi. Milli Eğitim Dergisi, 50(230), 154-170.4. Hale, S. A. (2022). Artificial intelligence and the evolution of language. AI & Society, 37(1), 211-230.5. Hovy, E., & Spruit, S. L. (2016). The social impact of natural language processing. Proceedings of the 54th Annual Meeting of the Association for Computational Linguistics, 591-598.7. Karaca, B. (2021). Dijitalleşme sürecinde yeni ağız araştırmaları. Dilbilim Dergisi, 13(2), 149-163.6. King, B. W. (2019). Natural language processing (NLP) in the age of AI. Annual Review of Linguistics, 5, 395-420.7. Kory, J., & Klein, S. (2020). AI-supported translation: Opportunities and challenges. Translation and Interpreting Studies, 15(2), 219-235.8. Luciano, F., & Cha, Y. (2021). The impact of digitalization on language policies worldwide. Language Policy, 20(3), 349-367.8. Özkan, D. (2023). Türkçenin dijital ortamlarda kullanımı ve dil politikaları. Uluslararası Türkçe Araştırmaları Dergisi, 4(2), 66-79.9. Sayers, D. (2020). Dialect evolution and digital influence: New directions. Applied Linguistics Review, 11(2), 305-322.9. Uçar, Y. (2023). Dijitalleşmenin Türkçeye Etkileri. Türklük Bilimi Araştırmaları, 54, 233-247.10. Vinuesa, R. et al. (2020). The role of AI in achieving the Sustainable Development Goals. Nature Communications, 11, 233.10. Yıldız, M. (2022). Yapay zekâda etik ve Türkçe. Etik Araştırmaları Dergisi, 5(1), 98-112.
Work Placement	None

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 1		The Relationship Between Language and Technology	

Course Syllabus

Weeks	Learning Outcomes	Topics	Teaching Methods
Week - 2		The Effects of Digitalization on Language	
Week - 3		Artificial Intelligence and Language Models	
Week - 4		The Digitalization Process of Turkish	
Week - 5		AI-Supported Translation Systems	
Week - 6		Digitalization and the Evolution of Language	
Week - 7		Language Education with Artificial Intelligence	
Week - 8		Digitalization and Dialect Studies	
Week - 9		Digitalization and Language Policies	
Week - 10		Text Production with Artificial Intelligence	
Week - 11		Digitalization and Language Standardization	
Week - 12		Artificial Intelligence and Language Ethics	
Week - 13		Digitalization and Cultural Language Elements	
Week - 14		The Future of Turkish	

Learning Outcomes

#	Learning Outcome
1	Analyzes the relationship between language and technology, the effects of digitalization on language, and the digitalization process of Turkish.
2	Defines AI-based language models, translation systems, and text generation tools; evaluates their practical applications.
3	Investigates and illustrates the impact of digitalization on language education, dialect research, standardization, and cultural language elements.
4	Examines policy, ethical issues, and standardization in the process of digitalization; develops solutions and a critical perspective.
5	Predicts the future of Turkish and other languages in the digitalization era, developing innovative, critical, and ethical approaches for the field.

Sustainable Development Goals

No content has been provided.

Course Theme

No content has been provided.

AKTS Workload

Activity	Duration (Hour)	Count	Workload
Teorik Derse Katılım	0	0	0
Sınıf Dışı Çalışma (Ön Hazırlık & Pekiştirme Amaçlı)	0	0	0
Ödevler	0	0	0
Proje - Rapor - Sunum Hazırlama	0	0	0
Ara Sınav Hazırlığı (sınav süresi dahil)	0	0	0
Final Sınavı Hazırlığı (sınav süresi dahil)	0	0	0
Uygulama (Laboratuvar, Müzik/Enstrüman Uygulaması, Atölye/Saha Çalışması vb.)	0	0	0
Staj Uygulaması	0	0	0
		Calculated ECTS	**0**

Assessment Method and Passing Requirements

No content has been provided.