

DUMLUPINAR BULVARI 06800
ÇANKAYA ANKARA/TURKEY
T: +90 312 210 41 34
F: +90 312 210 79 92
research@metu.edu.tr

Hosting Offer for MSCA-PF 2025 Call: Postdoctoral Research Opportunity at the Department of Data Informatics, METU

Research Focus Areas

We invite postdoctoral researchers to join the Department of Data Informatics at the Middle East Technical University (METU) under the MSCA-PF 2025 Call. Our research spans a wide array of topics, including:

- Machine Learning & Deep Learning
- Data Engineering & Big Data Systems
- Responsible and Ethical AI
- Information Retrieval & Search Systems
- Natural Language Processing (NLP)
- Knowledge Graphs & Semantic Web
- Data Privacy & Security
- Human-Centered and Interactive AI
- Modern Database Systems
- Federated & Privacy-Preserving Learning
- Reinforcement Learning
- Embodied AI
- AI System Optimization
- Edge AI & TinyML
- Emotion AI / Affective Computing
- Probabilistic Modelling
- Digital Transformation
- AI Governance
- Data Governance
- AI Engineering

Data Informatics department has an MSc program which aims to deliver a cohesive and thorough curriculum encompassing the entirety of the data informatics lifecycle. Data Informatics emerges as a wide field of study that covers the acquisition, storage, security, integration, distribution, and management of data, along with processing it and obtaining useful information from it to increase the efficiency of organizations in operational processes. With its interdisciplinary nature, this master's program is designed to equip students with the foundational knowledge and skills necessary to adopt an interdisciplinary perspective in the field.

This program accommodates students with diverse educational backgrounds, providing a common academic foundation through deficiency courses where necessary. It offers a comprehensive curriculum that addresses all facets of data informatics, with a particular emphasis on machine learning topics. Example courses are introduction to data informatics, foundations of deep learning, data engineering, data analytics applications in gaming and entertainment and transformers and attention-based deep networks.