Advisors	Topics
	AI Machine Learning
TY	Deep Learning Data Analysis Image Processing
МО	Mobile apps NLP Machine translation
SY	AI NLP Machine Learning Big Data Mobile
EBS	Classification of medical images Clustering of expressive faces Comparison of Clustering algorithms Comparison of Reinforcement Learning algorithms
UÇ	Survey of Anomaly detection methods (Artificial Immune Systems and so on)  Domain specific text categorization and summarization (NLP in Turkish and other languages)  Children's Data Privacy in the Digital Age (Data science and NLP)  Simulation of socio-economic systems (Agent-based modeling)  Dynamic Route Optimization based on prediction (LSTMs combined with Ant Colony Optimization)
НА	Filter design for image processing with genetic algorithm (evolutionary computation)  Fixed-point implementation of simple mathematical functions for mirocontrollers (embedded computing)  Arithmetic with automatic differentiation through OOP (computational mathematics)  Arbitrary precision arithmetic library (computational mathematics)  Implementation/comparison of different parallelization techniques for matrix multiplication on GPU (parallel programming)
ÖK	Blockchain Cyber Security Data Security Secure and private AI (at most 3 students) Formulate a use case that uses homomorphic encryption to do computations over encrypted data Microsoft Private AI Bootcamp and other sources A general survey, execution of existing codes, develop strategies for improvement) Integrate, discuss,, crypto techniques, implement smart contracts.