

Project #	Supervisor	Project Topic	Number of Students	Prerequisite	Approval by Adm.
1	Dr. Gerek Budak	ATM location selection for higher service quality with minimum cost. Mathematical Model	3-4	-	Melisa Dikici, Nisa Yeliz Şireci, Emre Çifci
2	Dr. Gerek Budak	A mathematical model design for travelling salesman problem with multiple time windows	2-3	-	İsmet Ertürk, Aleya Kayır
3	Dr. Gerek Budak	University student quota planning depending on unemployment rate and future needs	2-3	-	Ayşenur Kadın, Fatma Nur Çelebi, Candan Arası
4	Dr. Gerek Budak	Decision Support System design for planning department of AFAD Turkey.	2-3	-	Gökhan Yıldız, Gökçe Koymalı
5	Dr. Gerek Budak	A personalised diet list generator: Goal Programming approach	3	-	Kübra Eser, Fırdat Kaman, Bengisu Aksakal
6	Dr. Deniz Efendioğlu	A Survey on Quality Problems in SME	3	-	
7	Dr. Deniz Efendioğlu	Simulation Projects for Different Kinds of Processes	3	-	
8	Dr. Deniz Efendioğlu	Optimization in Chemical Industry & Processes	3	-	
9	Dr. İbrahim Yılmaz	Predicting flight delays based on feature extraction using a hybrid of K-means and support vector machine algorithms.	2-3	-	Feyza Betül Köse, Muhammet Emin Yaman.
10	Dr. İbrahim Yılmaz	Production planning in hybrid renewable energy plants using metaheuristics and data mining	2-3	-	Esma Şahin, Rumeysa Baykaldı
11	Dr. İbrahim Yılmaz	Risk and failure analysis in renewable energy systems	2-3	-	Parmida Bahreini, Büsra Simssek.
12	Prof. Dr. Mete Gündoğan	Restructuring an establishment throughout a geometric model.	2-3	-	
13	Prof. Dr. Mete Gündoğan	Exploding network of a product until socio economic systems engineering.	2-3	-	
14	Prof. Dr. Mete Gündoğan	A game theory application in grain production management.	2-3	-	
15	Prof. Dr. Servet SOYGÜDER	Reducing the Weight of Products with Topology Optimization in Manufacturing Engineering	2	IE254 & IE354	
16	Prof. Dr. Servet SOYGÜDER	Topology Optimization with Ansys in Manufacturing Engineering	2	IE254 & IE354	
17	Prof. Dr. Servet SOYGÜDER	Control and Design of Robots	2 or 3	IE254 & IE354	
18	Prof. Dr. Ergün Eraslan	Subjective workload Assessment for Engineering faculty members / students	2-3	-	Aleyna Çağlar, Neslişah Tanman, Fatmanur Özdemir
19	Prof. Dr. Ergün Eraslan	Lost Time Analysis in a production line.	4	-	Berkay Akçay, Ömer Bahadır Kavuncuoğlu, Umur Kerim Aydos
20	Assoc. Prof. Dr. Babek Erdebilili	Wind Energy Consumption Optimization	2-3	-	Nazife Kılınc, Önur Bejli.
21	Assoc. Prof. Dr. Babek Erdebilili	Dynamic Routing Problem for Minimization of trip distance on electrical vehicles	2-3	-	Makbule Hilal Özyay, Yaren Aktürk
22	Assoc. Prof. Dr. Babek Erdebilili	Demand based dynamic pricing for electrical vehicle charging stations: Maximization of Profit model	2-3	-	İsmail Garayev, Ömer Faruk Sarıhan, Bekir Emin Çiydem
23	Assoc. Dr. Abdullah Yıldızbaşı	Dynamic Production Planning and Worker Assignment in a Manufacturing System	4	-	Gisem Feyza Erçiyas, Nigar Seda Öymen, Furkan Ertürk, Melih İb
24	Assoc. Dr. Abdullah Yıldızbaşı	A Blockchain Based Waste Management System	3	-	Damla Demir, İbrahim Burak Karaarslan, Pelin Dündar
25	Assoc. Dr. Abdullah Yıldızbaşı	Variable Neighborhood Search Empowered by Machine Learning Methodologies: A Dimension reduction base approach	3	-	İrfan Emre, Rumeysa Tozlu, Betül Yurtman
26	Assoc. Dr. Abdullah Yıldızbaşı	Energy Minimization in 5G Cellular HetNets	3	-	Ferhat Onaran, Ufuk Yükselen, Cengizhan Toksarı
27	Assoc. Dr. Abdullah Yıldızbaşı	A Meta-Heuristic Approach to Optimize Drone Positions on a Communication Network	3	-	Melisa Bedir, Pınar İlhan, Taha Yıldırım, Mehmet Fatih Otyakma
28	—	New Project Suggestions	-	-	
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