

Şube No	DURUMU	Akademisyen (Lecturer)	Proje Adı (Project Name)	Proje Bölümü (Project Department)	Projeyi Alabilecek Öğrencilerin Bölümleri (Departments of students Who will register for the project)	Fakülte Dışında Açılmak İstenen bölüm
1	AÇILDI	PROF.DR. A. İHSAN KUTLAR PROF.DR. NİHAT YILDIRIM	Design and contruction of a prototype: load cell based on strain gage technology Pre-requisite: familiarity with Arduino	Mechanical Engineering	Electrical and Electronics Engineering	
2	AÇILDI	PROF.DR. A. İHSAN KUTLAR PROF.DR. NİHAT YILDIRIM	Design and construction of a 4 channel data logger system for laboratory measurements Pre-requisite: familiarity with Arduino	Mechanical Engineering	Electrical and Electronics Engineering	
3	AÇILDI	PROF.DR. A. İHSAN KUTLAR PROF.DR. NİHAT YILDIRIM	Design and construction of a solar tracker unit with measurement and control of input and output parameters Pre-requisite: familiarity with Arduino	Mechanical Engineering	Electrical and Electronics Engineering	
6	AÇILDI	DOÇ.DR. ALİ KILIÇ	Proje Başlığı: Smart Farmland Remote Monitoring and Risk Early-Warning System Proje Açıklaması: In this project, you are expected to design and prototype a remote farmland monitoring and early-warning system. You will collect key field parameters (e.g., soil moisture, air temperature/humidity, rainfall, and wind) and build a simple dashboard that shows real-time values, trends, and alerts. You should implement early-warning tags for frost risk (using temperature trend and dew-point estimation) and detect animal intrusion using motion sensing (optionally trigger an image capture event). Finally, you must include anti-theft and anti-tamper measures (enclosure opening detection, vibration/relocation alerts) and use secure communication with basic fault tolerance when the network is unavailable.	Mechanical Engineering	Electrical and Electronics Engineering, Industry Engineering	
7	AÇILDI	PROF.DR. ADEM ATMACA	Binalar ve GES'ler için Dijital İz ve İot Tabanlı Enerji İzleme ve Analiz Platformu	Mechanical Engineering	Electrical and Electronics Engineering	
9	KAPANDI	PROF.DR. A. İHSAN KUTLAR PROF.DR. NİHAT YILDIRIM	Investigation and preliminary design of an axial flux electric motor	Mechanical Engineering	Electrical and Electronics Engineering	
10	AÇILDI	DR. ÖĞR. ÜYESİ M. ERKAN KÜTÜK	Improvement of an Already Existing A3 Paper Folding Machine	Mechanical Engineering	Electrical and Electronics Engineering	
16	AÇILDI	Dr. Öğr. Üyesi SEVDİ KAÇMAZ	Smart Food Storage and Inventory Optimization System	Electrical and Electronics Engineering	Industrial Engineering	
17	KAPANDI	Dr. Öğr. Üyesi SEVDİ KAÇMAZ	Structural Health Monitoring	Electrical and Electronics Engineering	Civil Engineering	
18	KAPANDI	Prof.Dr.Nuran DOĞRU	Remote controlled smart trolley	Electrical and Electronics Engineering	Mechanical Engineering	
19	KAPANDI	Prof. Dr. Ergun ERÇELEBİ	Smart Building Energy Management System	Electrical and Electronics Engineering	Civil Engineering	
20	AÇILDI	Prof. Dr. Ergun ERÇELEBİ	Smart Occupational Safety and Worker Monitoring System for Industrial Environments	Electrical and Electronics Engineering	Mechanical Engineering, Industrial Engineering	
21	KAPANDI	Doç. Dr. Mehmet KURTOĞLU	Design of a Smart Temperature-Controlled Food Storage System Using a Power Electronics Converter	Electrical and Electronics Engineering	Food Engineering	
22	KAPANDI	Doç. Dr. Serkan ÖZBAY	Harnessing energy from vehicle movements on roadways	Electrical and Electronics Engineering	Civil Engineering	
23	AÇILDI	Prof.Dr. Tolgay KARA	Autonomous mobile robot navigation and control via visual feedback	Electrical and Electronics Engineering	Electrical Electronics Engineering, Mechanical Engineering, Computer Engineering	
24	KAPANDI	Prof.Dr. Tolgay KARA	Electrical conductivity measurement techniques for textile fibers	Electrical and Electronics Engineering	Physics	
25	KAPANDI	Dr. Öğr. Üyesi Ali Osman ARSLAN	Predictive Maintenance and Anomaly Detection Device for Industrial Systems	Electrical and Electronics Engineering	Mechanical Engineering, Computer Engineering	
26	KAPANDI	Prof. Dr. Taner İnce	Design of a solar seed sprayer	Electrical and Electronics Engineering	Food Engineering	
27	AÇILDI	Prof. Dr. Ahmet Mete VURAL	Regenerative Suspension System for Automobiles	Electrical and Electronics Engineering	Mechanical Engineering	
28	KAPANDI	Prof. Dr. Ahmet Mete VURAL	IoT-Based Energy Monitoring System for Textile Dyeing Machines	Electrical and Electronics Engineering	Textile Engineering	
29	KAPANDI	Dr.Öğr. Üyesi Mehmet DEMİR	Roof-top Solar Power Plant Conceptual Design	Electrical and Electronics Engineering	Civil Engineering	
30	KAPANDI	Dr. Öğr. Üyesi Musa Bute	Design of solid granule pumping machine	Electrical and Electronics Engineering	Mechanical Engineering	
31	KAPANDI	Dr. Öğr. Üyesi Mahmut AYKAÇ	Smart Transmission	Electrical and Electronics Engineering	Mechanical Engineering	
32	KAPANDI	Prof. Dr. Uğur Cem Hasar	Olive Oil Characterization by Microwave Signals	Electrical and Electronics Engineering	Food Engineering	
33	KAPANDI	Prof.Dr.Sema Kayhan	Investigating the impact of battery thermal management on energy consumption and battery life in electric vehicles.	Electrical and Electronics Engineering	Mechanical Engineering	
34	AÇILDI	Prof.Dr. Mustafa BAYRAM	Future projection for pasta (macaroni)	Food Engineering	Mechanical Engineering, Industrial Engineering	Gastronomi, İktisat, İşletme
36	KAPANDI	Prof. Dr. Sibel FADİLOĞLU	Design of electrophoresis instrumental system for protein purification	Food Engineering	Mechanical Engineering, Electrical and Electronics Engineering	Yok
44	KAPANDI	Doç. Dr. Hasene KESKİN ÇAVDAR	Development of a Low-Cost AI-Assisted System for Monitoring Lipid Oxidation	Food Engineering	Electrical and Electronics Engineering, Mechanical Engineering, Engineering Physics	Yok
48	AÇILDI	Prof. Dr. Abdulkadir Çevik	Artificial Intelligence Applications in Engineering	Civil Engineering	Mechanical Engineering, Electrical Engineering, Industrial Engineering	
49	KAPANDI	Prof. Dr. Ali Firat Çabalar	Sustainable materials for geotechnical engineering applications	Civil Engineering	Metallurgical and Materials Engineering, Electrical Engineering	
50	KAPANDI	Prof. Dr. Aytaç Güven	Artificial Intelligence and Geographical Information Systems Design Applications in Engineering	Civil Engineering	Mechanical Engineering, Electrical Engineering	
51	AÇILDI	Prof. Dr. Esra Mete Güneşyi	Design of a steel transmission tower based on safety, efficiency and sustainability	Civil Engineering	Electrical and Electronics Engineering, Mechanical Engineering, Industrial Engineering	
52	KAPANDI	Prof. Dr. Hamza Güllü	Post-Earthquake Damage Evaluation of Buildings	Civil Engineering	Mechanical Engineering, Electrical Engineering	
55	AÇILDI	Prof. Dr. Mustafa Özakça	Design of the future house (Energy efficient, Water efficient, Social responsibility and innovative design)	Civil Engineering	Mechanical Engineering, Electrical Engineering, Industrial Engineering, Architecture, Students from departments other than those listed can take part in the project with the project advisor's approval.	
57	AÇILDI	Prof. Dr. Nildem Tayşi	Sustainable Power Generation Using Wind Energy Conversion Systems: Design and Performance Analysis	Civil Engineering	Mechanical Engineering, Electrical Engineering, Industrial Engineering	
59	AÇILDI	Prof. Dr. Mehmet Eren Gülşan	Design of a reinforced concrete factory by the consideration of both energy savings and vibration resistance	Civil Engineering	Mechanical Engineering, Electrical and Electronics Engineering	
61	KAPANDI	Dr. Öğr. Üyesi Abdulhadi PALA	Design of a Small-Scale Hydroelectric Power Plant	Civil Engineering	Mechanical Engineering, Electrical and Electronics Engineering	
63	AÇILDI	Prof.Dr.Bülent GÖNÜL	"Life is not possible without Quantum Mechanics"	Engineering Physics	Electrical and Electronics Engineering, Mechanical Engineering	
65	KAPANDI	Prof.Dr.Ömer F. Bakkaçoğlu	Design of solar cell	Engineering Physics	Mechanical Engineering, Optic and Acoustic Engineering, Electrical and Electronics Engineering	
66	KAPANDI	Assist. Prof. Dr. Mehmet KOÇAK	Wireless Transmission of Electricity	Engineering Physics	Optic and Acoustic Engineering, Electrical and Electronics Engineering	
67	KAPANDI	Dr. Öğr. Üyesi Serap Çelik	Efficiency calculations of half-cut solar panels under shaded conditions	Engineering Physics	Optic and Acoustic Engineering, Electrical and Electronics Engineering	
68	AÇILDI	Prof. Dr. Okan Özer	Thermodynamic- Based Simulation of Akkuyu Nuclear Power Plant	Engineering Physics	Mechanical Engineering, Electrical Engineering, Industrial Engineering	
71	AÇILDI	Prof.Dr.A.Necmeddin YAZICI	Smart LED Desk Lamp and Flashlight Design with Thermal Control and Adjustable Optics	Engineering Physics	Optic and Acoustic Engineering, Electrical and Electronics Engineering, Mechanical Engineering	
72	AÇILDI	Prof. Dr. Hüseyin TOKTAMIŞ	"Investigation of radiation absorption of lime in drinking water of Gaziantep province."	Engineering Physics	All departments	
76	KAPANDI	Prof.Dr. Ramazan KOÇ	Paper and Water based battery design	Engineering Physics	Optic and Acoustic Engineering, Electrical and Electronics Engineering, Food Engineering	Chemistry
77	KAPANDI	Prof.Dr. Ayda BEDDALL	Assembly of a Cosmic Muon Cloud Chamber and Muon tracking by Image Processing	Engineering Physics	Optic and Acoustic Engineering, Electrical and Electronics Engineering	
79	KAPANDI	Prof. Dr. Hatice Kübra Kaynak	Design and production of textile based sensors	Textile Engineering	Mechanical Eng. Electrical and Electronics Eng., Metallurgical and Materials Eng.	
80	AÇILDI	Prof. Dr. Mehmet Topalbekiroğlu	Preparation of software for stepper motors for use in textile machines	Textile Engineering	Mechanical Eng. Electrical and Electronics Eng.	
81	AÇILDI	Prof. Dr. Cem Güneşoğlu	AI assisted textile trend assumption	Textile Engineering	Electrical and Electronics Eng. Industry Eng.	
82	KAPANDI	Prof. Dr. H. İbrahim Çelik	Textile-Based Flexible Pressure Sensors	Textile Engineering	Electrical and Electronics Eng. Metallurgical and Materials Eng.	
83	KAPANDI	Prof. Dr. Züleyha Değirmenci	Design of thermal jacket	Textile Engineering	Electrical and Electronics Eng.	
92	AÇILDI	Dr. Öğr. Üyesi Yunus EROĞLU	Multi-Agent Price Optimization in Competitive Markets using Q-Learning and Game Theory: This project involves the development of an AI-powered simulation model where multiple competing firms adjust their prices in a shared market using AI algorithms. The project will model the interaction among firms as a repeated game, where Nash equilibrium concepts are used to analyze final strategic positions. Students will simulate price adjustments over time, observe learning behavior, and visualize how rational competition converges or diverges.	Industrial Engineering	Industrial Engineering, Food Engineering, Civil Engineering, Engineering Physics, Textile Engineering, Mechanical Engineering, Electrical and Electronics	
95	AÇILDI	Doç. Dr. Derya KAPUSUZ YAVUZ	Design and Prototype Development of a Smart Corrosion Early-Warning Label for Metal Surfaces	Met. And Mat. Eng.	Electrical and Electronics Eng.Industrial Eng., Mechanical Eng.	
99	AÇILDI	Dr. Öğr. Üyesi İlkyay Sibel KERVANCI	Embedded AI-Powered Fault Prediction in Mechatronic Systems and Smart Inventory Management Based on It.	Computer Engineering	Mechanical Eng. Electrical and Electronics Eng., Industry Eng.	
100	AÇILDI	Dr. Öğr. Üyesi Mehmet MERKEPÇİ	Design and Implementation of an AI-Assisted Optical Quality Inspection and Process Optimization System for Textile Production	Computer Engineering	Electrical and Electronics Engineering, Textile Engineering, Industrial Engineering	
102	AÇILDI	Dr. Öğr. Üyesi Gözde ÖZSERT YİĞİT	Explainable AI-Based Feature Selection for Disease Diagnosis from Clinical and Omics Data	Computer Engineering	Electrical and Electronics Eng., Industrial Eng., Food Eng.	
103	KAPANDI	Doç. Dr. Tolga Ulaş GÜRBÜZ	Machine-Learning-Assisted Microwave Detection of Food Deterioration	Computer Engineering	Electrical and Electronics Engineering, Food Engineering	
104	AÇILDI	Doç. Dr. Levent KARACAN	Automated Visual Quality Control and Anomaly Detection in Engineering Processes Using Vision-Language Models (VLMs)	Computer Engineering	All departments	