EEM 413-414 PROJECT ASSIGNMENTS FOR 2024-2025 ACADEMIC YEAR										
Project ID	Title	Advisor	Team Size	Students						
PRJ01	Smart Count: Efficient and Affordable Object Counting	Assist. Prof. Dr. Altan Onat	3 Students (1 Team)	Kerem Çelik	Mert Mermer	Yusuf Doğan Çiçek				
PRJ02	Hardware Implementations of Deep Neural Networks	Prof. Dr. Atakan Doğan	2 Students (1 Team)	Sercan Tosun	Talha Tarhan					
PRJ03	Design and implementation of a RISC-V microprocessor	Prof. Dr. Atakan Doğan	2 Students (1 Team)	Kağan Erdem	Barış İlgen					
PRJ04	Energy Consumption by Petri Net Model	Prof. Dr. Aydın Aybar	3 Students (1 Team)	Zeynep Delen	İremnur Efe	Ali Şahin				
PRJ05	Design and implementation of ARM Cortex-M0 microprocessor on FPGA	Assist. Prof. Dr. Burak Batmaz	3 Students (1 Team)	Yunus Emre Doğan	Hasan Budak	Hayrettin Emre Bayazıt				
PRJ06	Human Activity Recognition Using RF Signals	Assist. Prof. Dr. Can Uysal	3 Students (1 Team)	Elif Kula	Oğuzhan Esin	Barış Er				
PRJ08	Impedance on Tube	Assoc. Prof. Dr. Emin Germen	4 Students (1 Team)	Mahmut Sarı	Emre Kapısız	Ayşen Şimşek	Harun Yavaş			
PRJ09	Development of a Balanced Amplified Si Photodiode Circuit for Advanced Scientific Instrumentation	Prof. Dr. Feridun Ay	3 Students (1 Team)	Tolunay Yücel	Eren Yorgancı	Mehmet Karacaoğlan				
PRJ10	Control Applications on Delay Systems	Assoc. Prof. Dr. Hakkı Ulaş Ünal	3 Students (1 Team)	Kaan Ergut	Mertcan Türedi					
PRJ11	Early Fault Detection in Electrical Appliances via AI	Prof. Dr. Hanife Apaydın Özkan	6 Students (2 Team)	Alper Karatay	Özay Platin	İlayda Ecemsu Sak	Muhammed Emin Uzunlar	Ahsen Sude Naz Çakır	Kerem Serim	
PRJ12	Classification of Maintenance Records Using LLM Models and Routing to Appropriate Workshops	Assist. Prof. Dr. Mehmet Fidan	3 Students (1 Team)	Taha Berk Erol	Elif Irmak					
PRJ14	Demonstration a Smart Greenhouse Prototype based on Artificial Intelligence	Prof. Dr. Nihan Kosku Perkgöz	3 Students (1 Team)	Fatih Eren Özecik	Nurefşan İmanlık	Recep Eray Erçetin				
PRJ15	Development of an Indoor Navigation Robot with Environmental Mapping Capabilities	Prof. Dr. Nuray At	4 Students (1 Team)	Mehmet Arif Pehlivan	Ahmet Sinan Kaya	Hamit Budak	Furkan Levent Olgun			
PRJ16	Sign Language Translator via Video-to-text Generative Transformer	Prof. Dr. Ömer Nezih Gerek	3 Students (1 Team)	Furkan Altınışık	Kutay Ertürk	İrem Sarıaltın				
PRJ17	Our heart is talking to us: A translation perspective to ECG classification using generative transformers	Prof. Dr. Ömer Nezih Gerek	3 Students (1 Team)	Berat Kutay Uğraş	Ömer Faruk Kaplan	İbrahim Talha Saygı				
PRJ18	The Great Depression	Assist. Prof. Dr. Onur Kılınç	3 Students (1 Team)	Najlaa Neamah						
PRJ20	Vibration Isolation for H-type Drone	Assist. Prof. Dr. Semiha Türkay	3 Students (1 Team)	Furkan Aydoğan						
PRJ21	Path Control of an Unmanned Air Vehicle carrying load by using camera systems	Assist. Prof. Dr. Semiha Türkay	3 Students (1 Team)	İsmail Avcu	Uğur Berk Kılıç	Eren Erdoğan				
PRJ22	Design of an ML based smart charging reservation system for EV parking lot.	Assist. Prof. Dr.Sıtkı Güner	3 Students (1 Team)	Mücahit Akfidan	Muharrem Can Kantemur	Nurcan Koç				
PRJ24	Wireless Battery Management Systems	Assist. Prof. Dr.Sıtkı Güner	3 Students (1 Team)	Mehmet Hızırer	Buğra Başer	Selman Mutlu	Projects marked in yellow are proposed by the students			
PRJ25	Design and Analysis of a BLDC Motor Using Ansys RMxprt	Assist. Prof. Dr. Abdulkadir Zirek	3 Students (1 Team)	Begüm Övüç	Nazlı Yazıcı	İbrahim Tarık Pazar				
PRJ26	SRGAN (Super-Resolution Generative Adversarial Networks) based video restoration	Prof. Dr. Ömer Nezih Gerek	2 Students (1 Team)	Kağan Çetin	Hacer Akça					
PRJ27	Hydroponic Agriculture Managment System By Ai	Prof. Dr. Nihan Kosku Perkgöz	3 Students (1 Team)	Süleyman Talha Zeybek	Aydost Ensar Gönüllü	Sercan Sağaltıcı				