

EEM 413-414 PROJECT ASSIGNMENTS FOR 2023-2024 ACADEMIC YEAR									
Project ID	Title	Advisor	Team Size	Students					
PRJ01	Design and implementation of an energy-efficient induction motor drive system.	Assist. Prof. Dr. Abdulkadir Zirek	3 Students (1 Team)	Berat Baki Akyürek	Ahmet Can Tekel		Kamil Kavcar		
PRJ02	Follow me if you can!	Assist. Prof. Dr. Altan Onat	4 Students (1 Team)	Batuhan Gürdal	Ayşe Karakoyun	Alperen Duran	M Duhan Yalçinkaya		
PRJ03	Hardware Implementations of Artificial Neural Networks	Prof. Dr. Atakan Doğan	2 Students (1 Team)	Selin Akalın		Mehmet Yıldırım Körk			
PRJ04	Crowd emotion decision and application	Prof. Dr. Atakan Doğan	3 Students (1 Team)	İşık Kurgöz	Arda Aksay		M Ceren Boz		
PRJ05	Edge Detection by Using Petri Nets	Prof. Dr. Aydın Aybar	3 Students (1 Team)	Elif Can	İnanç Özmen		Beyza Kocayığıt		
PRJ07	Visional Theremin	Assoc. Prof. Dr. Emin Germen	3 Students (1 Team)	Deniz Özalp	Berkay Sakarya				
PRJ08	Let's open the doors by phone	Assoc. Prof. Dr. Emin Germen	4 Students (1 Team)	Ömer Faruk Cebecioğlu	Alperen Bayarslan	Bartu Erboral	Rahmican Yıldız		
PRJ09	Development of an Automated Characterization System for On-Chip 2D Memristor and FET Devices using LabVIEW: Design, Implementation, and Analysis	Prof. Dr. Feridun Ay	3 Students (1 Team)	Yusuf Güler					
PRJ11	AUTOMATED GUIDED VEHICLE DESIGN	Assoc. Prof. Dr. Hakkı Ulaş Ünal	4 Students (1 Team)	Cenk Batuhan Tur		Pınar Ertaş	Salih Taha Tuzköylü	Selinsu Çetinkaya	
PRJ12	Wireless Charging for battery powered devices	Prof. Dr. Hanife Apaydın Özkan	6 Students (2 Team)	Emre Serbest	Hilal Çakır	Ekrem Debre	Kifayet Karakan	Emir Yüce Onsoy	Hasan Hüseyin Gemic
PRJ14	Emotion Recognition from Voice	Assist. Prof. Dr. Mehmet Fidan	3 Students (1 Team)	Habibullah Ahmadi		Mehmet Ali Okyay			
PRJ15	Modelling a 2D Memristor and Memtransistor	Prof. Dr. Nihan Kosku Perkgöz	3 Students (1 Team)	Sefa Kaya					
PRJ16	Demonstration a Smart Greenhouse Prototype based onArtificial Intelligence	Prof. Dr. Nihan Kosku Perkgöz	3 Students (1 Team)	Nefise Ezgi Özer		Emre Apak		Numan Horoz	
PRJ17	Indoor navigation using LIDAR	Prof. Dr. Nuray At	3 Students (1 Team)	Onat Bulut		Beytullah Mikail Aktaş		Buğra Umud Şahin	
PRJ18	Your Eyes Are The Mirror of Your Heart	Assist. Prof. Dr. Onur Kılınç	3 Students (1 Team)	Uğur Siyah		Tunser Özer			
PRJ19	Prediction of Remaining Useful Life (RUL) of Industrial Devices	Assist. Prof. Dr. Onur Kılınç	3 Students (1 Team)	Berkay İşitan		Mert Can Kabakcı			
PRJ20	Road surface defect detection	Prof. Dr. Ömer Neziğ Gerek	3 Students (1 Team)	Taha Kerem Taşcı		Asaf Murat Özdemir		Onat Şenel	
PRJ21	Traffic Surveillance and Optimization using Camera-basedTraffic Scenario Generation with GAN	Prof. Dr. Ömer Neziğ Gerek	3 Students (1 Team)	Kağan Köse					
PRJ22	Vibration Isolation for H-type Drone	Assist. Prof. Dr. Semiha Türkay	3 Students (1 Team)	Mustafa Sabri Turaç					
PRJ23	Parametric Interface Design and Test Methodology for an Unmanned Air Vehicles (UAV)	Assist. Prof. Dr. Semiha Türkay	3 Students (1 Team)	Ayberk Ay		Kerem Serim			
PRJ24	Design and Implementation of Virtual Electrical Machinery Laboratory	Assist. Prof. Dr. Şener Ağalar	4 Students (1 Team)	Seda Manavcı		Erkan Kaya	Kadir Ece	Fikri Arda Dulkerim	
PRJ25	SoH Estimation of A Battery Pack with passive balancing topology.	Assist. Prof. Dr. Sıtkı Güner	3 Students (1 Team)	Onur Şimşek		Hasan Bora Aydan		Cemalettin Kılıç	
PRJ26	Development of a digital twin for smart green houses andenergy optimization	Assoc. Prof. Dr. Ümmühan Başaran Filik	3 Students (1 Team)	Batın Acar		Halil İbrahim Eroğlu		Atakan Tutuğ	
PRJ27	Modulation Recognition Using Software Defined Radios	Assist. Prof. Dr. Can Uysal	3 Students (1 Team)	Mertkan Karakaya		Elif Karakaş		Asuf Söker	
PRJ28	AUV (Autonomous Underwater Vehicle)	Assist. Prof. Dr. H. Ersin Erol	3 Students (1 Team)	Doğan Utku Özyiğit		Doğan Serin		Muhammed Berkay Yılmaz	