

EE 4097 / 4197 - EE 4098 / 4198		Spring 2021-2022		23rd June 2022				
Project Name		Group Members		Advisor		Presentation Room	Presentation Start	Lect. Code EE4197 or EE4198
Programmatic Measurements: The Collaboration Between ESP32 Microcontroller and MicroPython for the Detection of Sleep Bruxism		Abdullah Saado & Ghassan Amer		Prof. Dr. Gökhan Bora Esmer		M4-Z02	09:00	EE4198
Computer Game Development Using Cinemachine, DOTween, AI and New Input System		Batuhan DAĞLI		Asst. Prof. Dr. Salih Bayar		M4-Z02	09:25	EE4198
Obtaining High Resolution Images from Video Frames with Convolutional Neural Networks		Ebrar Soylu		Prof. Dr. Gökhan Bora Esmer		M4-Z02	09:50	EE4198
SEGMENTATION AND 3D MODELLING FROM COLON CT IMAGES		Rabia Eda Patoğlu, İbrahim Çömez		Prof. Dr. Gökhan Bora Esmer		M4-Z02	10:15	EE4198
Robot that follows the line and solves the maze		Alperen Turakoglu		Prof. Dr. Gökhan Bora Esmer		M4-Z02	10:40	EE4198
Pharmacy on Duty		Abdullah Özseri		Asst. Prof. Dr. Salih Bayar		M4-Z02	11:05	EE4198
Video Processing Based Football Analysis		Altan Halıgür		Asst. Prof. Dr. Salih Bayar		M4-Z02	11:30	EE4198
Open World Mobile Game Project about Turkish Mythology using Unity3D		Hasan Vurucu, Muhammed Salih Karaca, Mustafa Yavaş		Asst. Prof. Dr. Salih Bayar		M4-Z02	11:55	EE4198
Development of a Vehicle-to-Grid (V2G) Energy Management System to Mitigate Local Operational Challenges in Low Voltage Distribution Networks with Photovoltaics		Furkan Güneş		Asst. Prof. Dr. Mustafa Alparslan Zehir		M4-Z03	09:00	EE4198
Development of Demand-Side Management Models Including the Effects of the COVID-19 Pandemic on Residential Electric Energy		Medine Münevver Tanuğur		Asst. Prof. Dr. Mustafa Alparslan Zehir		M4-Z03	09:25	EE4198
Analysis of Renewable Energy Source Systems for Microgrids		Yuşa Yücedal, Ömer Faruk Uzun		Prof. Dr. Osman Kılıç		M4-Z03	09:50	EE4198
P2P Energy Trading Considering the Operational Limits in a Low Voltage Distribution Grid		Ramazan Emre EROL		Asst. Prof. Dr. Mustafa Alparslan Zehir		M4-Z03	10:15	EE4198
Optimizing the Unbalance Factor in Distribution Systems Using GWO		Berkant Can Erkanat, Duhan Cengizer		Assoc. Prof. Dr. Oğuzhan Ceylan		M4-Z03	10:40	EE4198
Mobile Battery Energy Storage Systems		Murat Kılıç		Prof. Dr. Osman Kılıç		M4-Z03	11:05	EE4198
Machine Learning Based Grocery Product Recognition		Zeynep Naz Akyokuş		Prof. Dr. Osman Kılıç		M4-Z03	11:30	EE4198
Technical Coordination of Aggregated Electric Vehicle Charging and Residential Loads at the Medium Voltage Level		Ferhatcan Dumlu		Asst. Prof. Dr. Mustafa Alparslan Zehir		M4-Z03	11:55	EE4198
Freshness Detection Using Deep Learning and Machine Learning		Berat Asrın CAFEROĞLU, Zeynep ELBİR		Assoc. Prof. Dr. Onur Cihan		M4-Z08	09:00	EE4198
Four-quadrant DC machine control with non-linear and Integral controller		Enes Hasan ABANOZ, Ahmad Alhaj MASOUD		Assoc. Prof. Dr. Mustafa Onat		M4-Z08	09:25	EE4198
Obtaining Emotional Graph From Turkish Videos Using Deep Learning and Machine Learning		Elif CANBAZ, Gizem UZUN		Assoc. Prof. Dr. Onur Cihan		M4-Z08	09:50	EE4198

Realtime Data Acquisition Infrastructure for Ironbird Simulation Systems	Efe Emir Pekmez, Alperen Yurdakul, Batuhan Berkay Öztürk	Asst. Prof. Alper Şişman	M4-Z08	10:15	EE4198
Checking and Correction Grammatical Errors in Turkish using Machine Learning and Deep Learning	Ganime ÇALIŞKAN, Emre BAHTİYAR	Assoc. Prof. Dr. Onur Cihan	M4-Z08	10:40	EE4198
Obstacle detection and analysis with surface acoustic wave transducers	Özay Tokgözlü	Asst. Prof. Alper Şişman	M4-Z08	11:05	EE4098
Optimal Gate Scheduling with Reinforcement Learning	Ethem Talha Ertek, Muhammet Talha Tokmak	Assoc. Prof. Mustafa Onat	M4-Z08	11:30	EE4198
A New Beamforming Strategy with Efficient Hardware Use	İsmail Doğan ÇOKLUK, Abdullah Aksoy	Asst. Prof. Alper Şişman	M4-Z08	11:55	EE4198
Wireless Networks and Security Attack Methods	Fazlı Özkul, Ahmet Tolga Ulu	Lect. Şakir Bingöl	M4-Z10	09:00	EE4198
A Multi-Objective Approach For Residential Appliance Scheduling Problem: A Dynamic Pricing Case For Turkey	Alihan Altunalan, Eren Çetin	Lect. Şakir Bingöl	M4-Z10	09:25	EE4198
Web and Mobile Based Ordering Application for Surplus Food Products	Veysi Öcal, Salih Okur, Ömer Faruk Özgökçe	Prof.Dr. Cabir Vural	M4-Z10	09:50	EE4198
Visual Storytelling	Ahmet Yasin Yıldız	Prof.Dr.Cabir Vural	M4-Z10	10:15	EE4198
Visual Question Answering	Deniz Arda Murat	Prof.Dr.Cabir Vural	M4-Z10	10:40	EE4198
Filtering of frequencies using a microstrip filter	Mustafa Şahin	Assoc. Prof. Dr. Fulya Çallıalp	M4-Z10	11:05	EE4198
Detection of Parkinson's Disease using Machine Learning and MRI	Sümeyye Balcı	Assoc. Prof. Dr. Fulya Çallıalp	M4-Z10	11:30	EE4198
Cigarette Detection to Reduce Addiction using Deep Learning Object Detection Models	Beyza Mine Aktaş, Hakan Buğur, Hakkıcan Bilgiç	Assoc. Prof. Dr. Fulya Çallıalp	M4-Z10	11:55	EE4198
WIRELESS REMOTE MONITORING OF EGYPTIAN FRUIT BAT WITH DEEP LEARNING METHODS AND MICROCONTROLLERS	Doğan Mesci, Anıl Koluvaçık	Assoc. Prof. Engin Maşazade	M4-Z11	09:00	EE4198
Smart Trap to Detect Mediterranean Fruit Fly	Kerem Mor, Mustafa Furkan Eryılmaz, Musab Akıcı	Prof.Dr. Cem Ünsalan	M4-Z11	09:25	EE4198
6T SRAM Design using LtSpice	Erdener Kaya, Eren Fidan, Mehmet Mücahit Dönmez	Asst. Prof. Dr. Ahmet Unutulmaz	M4-Z11	09:50	EE4198
Soil Moisture Analysis in Large Agricultural Lands	Halil İbrahim Temiz	Prof.Dr. Cem Ünsalan	M4-Z11	10:15	EE4198
Developing Charge Pump Circuit in Chips for High Voltage Need of Logic Locking Circuits	Bahattin Kutay, Görkem Ayanoğlu	Asst. Prof. Dr. Ahmet Unutulmaz	M4-Z11	10:40	EE4198
Smart Trap Design for Mediterranean Fruit Fly Tracking with Machine Learning and Embedded System Structure	Eren Atmaca	Prof. Dr. Cem Ünsalan	M4-Z11	11:05	EE4198
Security System Using Keypad	Mehmet Ali Özçelik	Asst. Prof. Dr. Ahmet Unutulmaz	M4-Z11	11:30	EE4198
Electric vehicle Model Development	Enes ŞENGÜL, Ensar YILMAZ	Asst. Prof. Dr. Ahmet Unutulmaz	M4 - CENTER	14:00 -16:00	EE4197
Shielding Materials and Methods Against Ionization for the Satellite	Yunus Yamak, Hüseyin Menteşe	Asst. Prof. Dr. Salih Bayar	M4 - CENTER	14:00 -16:00	EE4097/EE4197
Improved Traffic Lights Controlling via YOLO based Object Detection and Simulink	Yunus İNCİ	Asst. Prof. Dr. Ahmet Unutulmaz	M4 - CENTER	14:00 -16:00	EE4197
Electric Bus Fleet Charging Management	Halil Selim Cansizer	Asst. Prof. Dr Mustafa Alparslan Zehir	M4 - CENTER	14:00 -16:00	EE4197
Covid-19 Detection From Lung Scans	Ayşegül Cemile GÜRLEK	Prof. Dr. Gökhan Bora Esmer	M4 - CENTER	14:00 -16:00	EE4197

