

	EE 4097 / 4197		Fall 2021-2022					
Zoom Breakout Room	Project Name	Group Members	Advisor	Lect. Code	Jury Member-1	Jury Member-2	Jury Member-3	
1	Machine Learning Based Grocery Product Recognizer	Zeynep Naz Akyokuş	Prof. Dr. Osman Kılıç	EE4197	Prof. Dr. Cem Ünsalan	Assoc. Prof. Dr. Engin MAŞAZADE	Asst. Prof. Dr. Salih Bayar	
2	Electric Vehicles And The Transfer Of Stored Energy In The Smart Grid	Murat Kılıç	Prof. Dr. Osman Kılıç	EE4197	Asst. Prof. Dr. Mustafa Alparslan Zehir	Asst.Prof.Dr. OĞUZHAN CEYLAN	Assoc. Prof. Mustafa Onat	
3	A Smart Home With a Microgrid-Based Energy Storage System	Yuşa Yücedal	Prof. Dr. Osman Kılıç	EE4197	Asst. Prof. Dr. Mustafa Alparslan Zehir	Asst.Prof.Dr. OĞUZHAN CEYLAN	Assoc. Prof. Mustafa Onat	
4	Smart Robot Vacuum Cleaner	Alperen EROĞLU	Prof. Dr. Gökhan Bora Esmer	EE4197	Prof. Dr. Murat Doğruel	Assoc. Prof. Mustafa Onat	Assoc. Prof. Ahmet Tanju YELKENCİ	
5	Programmatic Measurements: The Collaboration Between ESP32 Microcontroller and MicroPython for the Detection of Sleep Bruxism	Abdullah Saado & Ghassan Amer	Prof. Dr. Gökhan Bora Esmer	EE 4197	Asst. Prof. Alper Şişman	Prof. Dr. Cem Ünsalan	Asst. Prof. Dr. Salih Bayar	
6	Obtaining High Resolution Images from Video Frames with Convolutional Neural Networks	Ebrar Soylu	Prof. Dr. Gökhan Bora Esmer	EE4197	Prof. Dr. Cem Ünsalan	Prof. Dr. Cabir Vural	Assoc. Prof. Dr. Engin MAŞAZADE	
7	Image segmentation and 3d modelling from colon CT images	Seyhun Daver, İbrahim Çömez	Prof. Dr. Gökhan Bora Esmer	EE4197	Prof. Dr. Cem Ünsalan	Prof. Dr. Cabir Vural	Assoc. Prof. Dr. Engin MAŞAZADE	
8	Microcontroller Based Smart Trap Design for Mediterranean Fruit Fly Tracking	Eren Atmaca	Prof. Dr. Cem Ünsalan	EE 4197	Asst. Prof. Alper Şişman	Asst. Prof. Dr. Salih Bayar	Assoc. Prof. Dr. Engin MAŞAZADE	
9	Soil Moisture Analysis in Large Agricultural Lands	Halil İbrahim TEMİZ	Prof. Dr. Cem Ünsalan	EE4197	Assoc. Prof. Dr. Engin MAŞAZADE	Prof. Dr. Cabir Vural	Asst. Prof. Dr. Mohammad Alsunaidi	
10	Smart Trap to Detect Mediterranean Fruit Fly	Kerem Mor, Musab Akıcı, Mustafa Furkan Eryılmaz	Prof. Dr. Cem Ünsalan	EE4197	Assoc. Prof. Dr. Engin MAŞAZADE	Prof. Dr. Cabir Vural	Asst. Prof. Dr. Mohammad Alsunaidi	
11	Web and Mobile Based Sales Application for Surplus Food Products	Veysi Öcal, Salih Okur, Ömer Faruk Özgökçe, Furkan Kurmuş	Prof. Dr. CABİR VURAL	EE 4197	Lect. Şakir Bingöl	Asst. Prof. Dr. Salih Bayar	Assoc. Prof. Dr. Onur CİHAN	
12	Visual Storytelling	AHMET YASİN YILDIZ	Prof. Dr. Cabir VURAL	EE4197	Prof. Dr. Gökhan Bora Esmer	Prof. Dr. Cem Ünsalan	Prof. Dr. Murat Doğruel	
13	Visual Question Answering	Deniz Arda MURAT	Prof. Dr. Cabir VURAL	EE4197	Prof. Dr. Gökhan Bora Esmer	Prof. Dr. Cem Ünsalan	Prof. Dr. Murat Doğruel	
14	A Multi-Objective Approach For Residential Appliance Scheduling Problem: A Dynamic Pricing Case For Turkey	Alihan Altunalan, Eren Çetin, Fazlı Özkul	Lect. Şakir Bingöl	EE4197	Assoc. Prof. Dr. Engin MAŞAZADE	Assoc. Prof. Dr. Onur CİHAN	Prof. Dr. Murat Doğruel	

15	Avionics and flight algorithms design of a 1500 meters altitude rocket	Abdullah Çağrı Bingöl,Hasan Bingöl	Lect. Şakir Bingöl	EE4197	Asst. Prof. Dr. Ahmet Unutulmaz	Asst. Prof. Alper Şişman	Prof. Dr. Murat Doğruel
16	smart parking arduino	Alperen Turakoğlu	Lect. Şakir Bingöl	EE4197	Assoc. Prof. Ahmet Tanju YELKENCİ	Asst. Prof. Dr. Mohammad Alsunaidi	Assoc. Prof. Dr. Fulya ÇALLIALP
17	System and Network Infrastructure of a Startup Company	Alper Arslan	Lect. Şakir Bingöl	EE4197	Assoc. Prof. Dr. Fulya ÇALLIALP	Asst. Prof. Alper Şişman	Assoc. Prof. Ahmet Tanju YELKENCİ
18	Overvoltage and Undervoltage Problems and Their Solutions in 3 Phase Unbalanced Distribution Networks Using OpenDSS	Berkant Can Erkanat, Duhan Cengizer	Asst.Prof.Dr.OĞUZHAN CEYLAN	EE4197	Prof. Dr. Osman Kılıç	Asst. Prof. Dr. Mustafa Alparslan Zehir	Asst. Prof. Dr. Ahmet Unutulmaz
19	Forecasting: Case Studies. Output of Renewables Energy Sources and Turkey's Daily Load	Burak TEKELİ, İbrahim YALÇINYİĞİT	Asst.Prof.Dr.Oğuzhan CEYLAN	EE4197	Prof. Dr. Osman Kılıç	Asst. Prof. Dr. Mustafa Alparslan Zehir	Assoc. Prof. Mustafa Onat
20	Impacts of Renewable Energy Sources and EVs on Active Distribution Networks, and Solution Approaches using MatPower	Erdener Kaya, Mehmet Mücahit Dönmez, Eren Fidan	Asst.Prof.Dr. OĞUZHAN CEYLAN	EE 4197	Prof. Dr. Osman Kılıç	Asst. Prof. Dr. Mustafa Alparslan Zehir	Assoc. Prof. Mustafa Onat
21	Today's Matches Mobile App	İsmail Fırat Arslan	Asst. Prof. Dr. Salih Bayar	EE 4197	Lect. Şakir Bingöl	Assoc. Prof. Dr. Onur CİHAN	Asst. Prof. Dr. Ahmet Unutulmaz
22	Video Processing Based Football Analysis	Altan Haligür	Asst. Prof. Dr. Salih Bayar	EE 4197	Lect. Şakir Bingöl	Prof. Dr. Gökhan Bora Esmer	Prof. Dr. Cem Ünsalan
23	Pharmacies on Duty API	Abdullah Özsanı	Asst. Prof. Dr. Salih Bayar	EE 4197	Lect. Şakir Bingöl	Assoc. Prof. Dr. Onur CİHAN	Asst. Prof. Dr. Ahmet Unutulmaz
24	Computer Game Development Using Artificial Intelligence Coding and Voice Over, 2D, 2.5D and 3D Dimensions Together	Batuhan DAĞLI	Asst. Prof. Dr. Salih Bayar	EE4197	Lect. Şakir Bingöl	Asst. Prof. Dr. Ahmet Unutulmaz	Assoc. Prof. Dr. Fulya ÇALLIALP
25	Open World Based 3D Mobile Game Project, Containing Elements from Turkish Mythology	Hasan Vurucu, Mustafa Yavaş, Muhammed Salih Karaca	Asst. Prof. Dr. Salih Bayar	EE 4197	Lect. Şakir Bingöl	Asst. Prof. Dr. Ahmet Unutulmaz	Assoc. Prof. Dr. Fulya ÇALLIALP
26	Technical and Economic Coordination of Aggregated EV Charging and Residential Loads at the Medium Voltage Level	Ferhatcan Dumlu	Asst. Prof. Dr. Mustafa Alparslan Zehir	EE4197	Asst.Prof.Dr.OĞUZHAN CEYLAN	Prof. Dr. Osman Kılıç	Asst. Prof. Dr. Mohammad Alsunaidi
27	Multi-objective Home Energy Management System Considering Battery Degradation	Bahattin Kutay	Asst. Prof. Dr. Mustafa Alparslan Zehir	EE4197	Asst.Prof.Dr.OĞUZHAN CEYLAN	Asst. Prof. Dr. Ahmet Unutulmaz	Asst. Prof. Alper Şişman
28	P2P Energy Trading Considering the Operational Limits in a Low Voltage Distribution Grid	Ramazan Emre EROL	Asst. Prof. Dr. Mustafa Alparslan Zehir	EE4197	Asst.Prof.Dr.OĞUZHAN CEYLAN	Prof. Dr. Osman Kılıç	Asst. Prof. Dr. Ahmet Unutulmaz
29	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	EE4197	Asst.Prof.Dr.OĞUZHAN CEYLAN	Prof. Dr. Osman Kılıç	Assoc. Prof. Mustafa Onat
30	Fairness Considered Aggregated Demand Side Management with Residential Customers	Rabia Eda Patoğlu	Asst. Prof. Dr. Mustafa Alparslan Zehir	EE4197	Asst.Prof.Dr.OĞUZHAN CEYLAN	Asst. Prof. Dr. Ahmet Unutulmaz	Assoc. Prof. Ahmet Tanju YELKENCİ

31	Development of Demand-Side Management Models Including the Effects of the COVID-19 Pandemic on Residential Electric Energy Usage Habits and Energy Markets in Turkey	Medine Münevver Tanuğur	Asst. Prof. Dr. Mustafa Alparslan Zehir	EE4197	Asst.Prof.Dr.OĞUZHAN CEYLAN	Prof. Dr. Osman Kılıç	Assoc. Prof. Mustafa Onat
32	Community Owned Battery Storage Management in Microgrid	Ömer Faruk UZUN	Asst. Prof. Dr. Mustafa Alparslan Zehir	EE4197	Asst.Prof.Dr.OĞUZHAN CEYLAN	Prof. Dr. Osman Kılıç	Asst. Prof. Dr. Mohammad Alsunaidi
33	Flexible Microstrip Patch Antenna for Mobile Operations	Mehmet Selim Mamati	Asst. Prof. Dr. Mohammad Alsunaidi	EE4197	Assoc. Prof. Dr. Fulya ÇALLIALP	Assoc. Prof. Ahmet Tanju YELKENCİ	Asst. Prof. Dr. Ahmet Unutulmaz
34	Boolean Operations on Polygons in C++	Hakkı Can Bilgiç, Enes Furkan Cüce	Asst. Prof. Dr. Ahmet Unutulmaz	EE 4197	Lect. Şakir Bingöl	Asst. Prof. Dr. Salih Bayar	Asst. Prof. Alper Şişman
35	Converting a Petrol Station to an Electric Vehicle Charging Station	Mustafa Talha Öztürk	Asst. Prof. Dr. Ahmet Unutulmaz	EE4197	Prof. Dr. Murat Doğruel	Assoc. Prof. Mustafa Onat	Asst. Prof. Dr. Mustafa Alparslan Zehir
36	Developing Charge Pump Circuit for High Voltage Need of Logic Locking Circuits	Görkem Ayanoğlu	Asst. Prof. Dr. Ahmet Unutulmaz	EE 4197	Prof. Dr. Murat Doğruel	Asst. Prof. Dr. Mohammad Alsunaidi	Asst. Prof. Dr. Mustafa Alparslan Zehir
37	Analysis of Quantum Algorithms via Parametric Coding	Mehmet Ali Özçelik	Asst. Prof. Dr. Ahmet Unutulmaz	EE 4197	Asst. Prof. Dr. Salih Bayar	Asst. Prof. Alper Şişman	Lect. Şakir Bingöl
38	A New Beamforming Strategy with Efficient Hardware Usage	İsmail Doğan ÇOKLUK, Abdullah AKSOY	Asst. Prof. Alper ŞİŞMAN	EE 4097	Prof. Dr. Gökhan Bora Esmer	Asst. Prof. Dr. Mohammad Alsunaidi	Assoc. Prof. Dr. Fulya ÇALLIALP
39	Realtime Data Acquisition Infrastructure for Ironbird Simulation Systems	Efe Emir Pekmez, Alperen Yurdakul, Batuhan Berkay Öztürk	Asst. Prof. Alper Şişman	EE4197	Asst.Prof.Dr. OĞUZHAN CEYLAN	Assoc. Prof. Ahmet Tanju YELKENCİ	Asst. Prof. Dr. Mohammad Alsunaidi
40	Optimal Routing and Scheduling With Reinforcement Learning	Ethem Talha Ertek & Muhammet Talha Tokmak	Assoc. Prof. Mustafa Onat	EE4197	Assoc. Prof. Dr. Onur ÇİHAN	Prof. Dr. Cabir Vural	Assoc. Prof. Dr. Engin MAŞAZADE
41	Four quadrant DC machine control using PSO algorithm	Ahmad Alhaj Masoud, Yasin Genç	Assoc. Prof. Mustafa Onat	EE4197	Assoc. Prof. Dr. Onur ÇİHAN	Prof. Dr. Murat Doğruel	Assoc. Prof. Dr. Fulya ÇALLIALP
42	Checking and Correction Grammatical Errors in Turkish using Machine Learning and Deep Learning	Ganime ÇALIŞKAN, Emre BAHTİYAR	Assoc. Prof. Dr. Onur ÇİHAN	EE4197	Asst. Prof. Dr. Salih Bayar	Lect. Şakir Bingöl	Assoc. Prof. Dr. Fulya ÇALLIALP
43	Obtaining Emotional Graph From Turkish Videos Using Deep Learning and Machine Learning	Elif CANBAZ, Gizem UZUN	Assoc. Prof. Dr. Onur ÇİHAN	EE4197	Lect. Şakir Bingöl	Assoc. Prof. Dr. Fulya ÇALLIALP	Asst. Prof. Dr. Mustafa Alparslan Zehir
44	Freshness Detection Using Deep Learning and Machine Learning	Berat Asrın CAFEROĞLU, Zeynep ELBİR	Assoc. Prof. Dr. Onur ÇİHAN	EE 4197	Assoc. Prof. Dr. Fulya ÇALLIALP	Asst. Prof. Dr. Salih Bayar	Assoc. Prof. Ahmet Tanju YELKENCİ
45	Detection of Parkinson's Disease using Machine Learning and MRI	Sümeyye Balcı	Assoc. Prof. Dr. Fulya ÇALLIALP	EE4197	Assoc. Prof. Dr. Onur ÇİHAN	Assoc. Prof. Dr. Engin MAŞAZADE	Asst. Prof. Alper ŞİŞMAN
46	Hand Motion Tracking Technologies and Adaptation Cases	Beyza Mine Aktaş, Hakan Buğur	Assoc. Prof. Dr. Fulya ÇALLIALP	EE4197	Prof. Dr. Gökhan Bora Esmer	Prof. Dr. Cabir VURAL	Assoc. Prof. Ahmet Tanju YELKENCİ

47	Wireless Remote Monitoring of Egyptian Fruit Bat with Deep Learning Methods and Microcontrollers	Doğukan MESCI, Anıl KOLUAÇIK	Assoc. Prof. Dr. Engin MAŞAZADE	EE4197	Prof. Dr. Cem Ünsalan	Assoc. Prof. Dr. Onur CİHAN	Asst. Prof. Dr. Salih Bayar
48	Using LoRa Communication Technology with Maksimum Efficiency	Ahmet Koray Sonal	Assoc. Prof. Dr. Engin MAŞAZADE	EE4197	Prof. Dr. Cabir VURAL	Prof. Dr. Gökhan Bora Esmer	Asst. Prof. Dr. Mustafa Alparslan Zehir
49	Soil Moisture Prediction System with Specially Designed Sensors	Abdullah Taha KIRAZ, Mehmet Kazım KARAMAN	Assoc. Prof. Dr. Engin MAŞAZADE	EE4197	Prof. Dr. Gökhan Bora Esmer	Asst. Prof. Alper ŞİŞMAN	Asst. Prof. Dr. Mustafa Alparslan Zehir
50	Unmanned Land Vehicle	Halil Ibrahim Karaoglu	Assoc. Prof. Ahmet Tanju YELKENCİ	EE4197	Assoc. Prof. Mustafa Onat	Assoc. Prof. Dr. Onur CİHAN	Prof. Dr. Murat Doğruel
X	Image-to-Image Translation with Conditional Adversarial Networks	Yunus İnci	Prof. Dr. Cabir Vural	EE4197	project report failed	project report failed	project report failed

Zoom Link to EE 4197 Engineering I Presentations

<https://zoom.us/j/99337718730?pwd=eFJlOXZNRlphMTdFbC9JSC9xY09mdz09>

EE 4098 / 4198

	Project Name	Group Members	Advisor	Lect. Code	Jury Member-1	Jury Member-2	Jury Member-3
Presentation 9:00 - 9:20 QA 9:20 - 9:30	Feature detection of the medical images with Raspberry Pi	Ali Büyükanbarlar	Prof. Dr. Gökhan Bora Esmer	EE 4198	Prof. Dr. Cem Ünsalan	Prof. Dr. Cabir Vural	Asst. Prof. Dr. Salih Bayar
Presentation 9:30 - 9:50 QA 9:50 - 10:00	Image segmentation and 3d modelling from colon CT images	Seyhun Daver, İbrahim Çömez	Prof. Dr. Gökhan Bora Esmer	EE4098	Prof. Dr. Cem Ünsalan	Prof. Dr. Cabir Vural	Assoc. Prof. Dr. Engin MAŞAZADE
Presentation 9:00 - 9:20 QA 9:20 - 9:30	Optimized Smart Traffic Lights	Burak Bostancıoğlu & Furkan Kahya	Assoc. Prof. Dr. Fulya ÇALLIALP	EE 4198	Assoc. Prof. Dr. Onur CİHAN	Asst. Prof. Dr. Mohammad Alsunaidi	Assoc. Prof. Ahmet Tanju YELKENCİ
Presentation 9:30 - 9:50 QA 9:50 - 10:00	Prediction of Parkinson Disease Using Machine Learning	Bahtiyar Annagurbanov, Furkan Yükcü, Caner Dağdaş	Assoc. Prof. Dr. Fulya ÇALLIALP	EE4198	Asst. Prof. Dr. Mohammad Alsunaidi	Asst. Prof. Alper Şişman	Prof. Dr. Gökhan Bora Esmer
X	Guide Pi	Mustafa Selman Güvenç, Yakup Avcıoğlu	Prof. Dr. CABİR VURAL	EE4198	project report failed	project report failed	project report failed