

EE 4197 / 4198		Spring 2022 -2023						
Project Name	Group Members	Advisor	Lect. Code EE4197 or EE4198	July 1	July 2	July 3	Time	Zoom Room
Bird audio detection and classification on embedded systems	Arman İbiş - Fahri Kağan Deniz	Assoc. Prof. Dr. Engin Maşazade	EE4198	Assoc. Prof. Dr. Engin Maşazade	Prof.Dr. Gökhan Bora ESMER	Prof. Dr. Cem ÜNSALAN	9.00 - 9.15	1
Packet Loss Rate Prediction for Vehicular Networks with Regression Methods	Ali Vatan Güç, Zeynep Doğan, Ege Okan Kallı	Assoc. Prof. Dr. Engin Maşazade	EE4198	Assoc. Prof. Dr. Engin Maşazade	Prof. Dr. Cem ÜNSALAN	Prof. Dr. Gökhan Bora ESMER	9.15 - 9.30	1
Smart Trap for Insect Counting	Şerife Küçükköşker-Mehmet Temmuz Boyraz	Prof. Dr. Cem ÜNSALAN	EE4198	Prof. Dr. Cem ÜNSALAN	Prof.Dr. Gökhan Bora ESMER	Assoc. Prof. Dr. Engin Maşazade	9.30 - 9.45	1
Tree detection from satellite images via deep learning	Emre Altuntaş, Talha Yavçın	Prof. Dr. Cem ÜNSALAN	EE4198	Prof. Dr. Cem ÜNSALAN	Prof. Dr. Gökhan Bora ESMER	Assoc. Prof. Dr. Engin Maşazade	9.45 - 10.00	1
Localization of Objects from Multi-Camera System	Mert Terzi	Prof. Dr. Gökhan Bora ESMER	EE4198	Prof. Dr. Gökhan Bora ESMER	Prof. Dr. Cem ÜNSALAN	Assoc. Prof. Dr. Engin Maşazade	10.00 - 10.15	1
Denoising Digital Holography Images Using with Neural Network	Ömer Buminhan Çay	Prof. Dr. Gökhan Bora ESMER	EE4198	Prof. Dr. Gökhan Bora ESMER	Prof. Dr. Cem ÜNSALAN	Assoc. Prof. Dr. Engin Maşazade	10.15 - 10.30	1
Extracting Three-Dimensional Brain Model from Two-Dimensional Brain CT Images with Deep Learning	Ravzanur TOK - Ezgi SÜNE	Prof. Dr. Gökhan Bora ESMER	EE4198	Prof. Dr. Gökhan Bora ESMER	Prof. Dr. Cem ÜNSALAN	Assoc. Prof. Dr. Engin Maşazade	10.30 - 10.45	1
Precise Reconstruction of Three-Dimensional Objects From Digital Holographic Images	Ataberk Gedik	Prof. Dr. Gökhan Bora ESMER	EE4198	Prof. Dr. Gökhan Bora ESMER	Assoc. Prof. Dr. Engin Maşazade	Prof. Dr. Cem ÜNSALAN	10.45 - 11.00	1
ESTIMATION of EMOTIONAL STATUS FROM VISUAL and AUDIO SIGNALS	Ömer Ulu Gökay Bayram	Prof. Dr. Gökhan Bora ESMER	EE4198	Prof. Dr. Gökhan Bora ESMER	Assoc. Prof. Dr. Engin Maşazade	Prof. Dr. Cem ÜNSALAN	11.00 - 11.15	1
Smart Robot Vacuum Cleaner	Alperen Eroğlu	Prof.Dr. Gökhan Bora ESMER	EE4198	Prof.Dr. Gökhan Bora ESMER	Prof. Dr. Cem ÜNSALAN	Assoc. Prof. Dr. Engin Maşazade	11.15 - 11.30	1
Optimizing voltage profile on distribution system by using storage devices and voltage regulators	Salih Kalkır	Assoc. Prof. Dr. Oğuzhan Ceylan	EE4198	Assoc. Prof. Dr. Oğuzhan Ceylan	Prof. Dr. Osman Kılıç	Asst. Prof. Dr. Mustafa Alparslan Zehir	9.00 - 9.15	2
Modelling, Potential Impact Analysis, and Defense against Cyberattacks targeting EV Charging Coordination Systems in Community Energy Systems	Aykut Büyükkaya	Asst. Prof. Dr. Mustafa Alparslan Zehir	EE4198	Asst. Prof. Dr. Mustafa Alparslan Zehir	Prof.Dr. Osman Kılıç	Assoc. Prof. Dr. Oğuzhan Ceylan	9.15 - 9.30	2
Low Carbon Charging and Green Charging Solutions for Electric Bus Public Transport Fleet	İlayda Kaya	Asst. Prof. Dr. Mustafa Alparslan Zehir	EE4198	Asst. Prof. Dr. Mustafa Alparslan Zehir	Prof. Dr. Osman Kılıç	Assoc. Prof. Dr. Oğuzhan Ceylan	9.30 - 9.45	2
Comparative Performance Analysis on Passive and Active Cell Balancing System in Electrical Vehicles	Ahmet Fırat Küçük	Prof. Dr. Osman Kılıç	EE4198	Prof. Dr. Osman Kılıç	Assoc. Prof. Dr. Oğuzhan Ceylan	Asst. Prof. Dr. Mustafa Alparslan Zehir	9.45 - 10.00	2
Rail Systems Signalization With Reed Relays	Mehmet Fatih BOR	Prof. Dr. Osman Kılıç	EE4198	Prof. Dr. Osman Kılıç	Assoc. Prof. Dr. Oğuzhan Ceylan	Asst. Prof. Dr. Mustafa Alparslan Zehir	10.00 - 10.15	2
Microgrid Energy Management Systems	Umuthan Kaptan - Muhammed Emin İlhan	Prof.Dr. Osman Kılıç	EE4198	Prof.Dr. Osman Kılıç	Asst. Prof. Dr. Mustafa Alparslan Zehir	Assoc. Prof. Dr. Oğuzhan Ceylan	10.15 - 10.30	2
Colour Sorting Machine	Ebubekir Demirhan	Prof.Dr. OSMAN KILIÇ	EE4198	Prof.Dr. Osman Kılıç	Asst. Prof. Dr. Mustafa Alparslan Zehir	Assoc. Prof. Dr. Oğuzhan Ceylan	10.30 - 10.45	2
Reinforcement Learning Based Voltage Control in Distribution Grid	Tahir Temizkan	Assoc. Prof. Dr. Oğuzhan Ceylan	EE4198	Assoc. Prof. Dr. Oğuzhan Ceylan	Asst. Prof. Dr. Mustafa Alparslan Zehir	Prof. Dr. Osman Kılıç	10.45 - 11.00	2

Optimization of Smart Traffic Signalization Systems	Sude Gürbüz - Betül Aydın	Assoc. Prof. Dr. Onur Cihan	EE4198	Assoc. Prof. Dr. Onur Cihan	Asst. Prof. Dr. Salih Bayar	Prof. Dr. Mustafa Onat	10.00 - 10.15	3
Solving Different Types of 2D Puzzles with the Help of Artificial Intelligence Tools and Algorithms	Gamze Mert	Assoc. Prof. Dr. Onur Cihan	EE4198	Assoc. Prof. Dr. Onur Cihan	Asst. Prof. Dr. Salih Bayar	Prof. Dr. Mustafa Onat	10.15 - 10.30	3
Recognizing of The Cursive Turkish Handwriting with Machine Learning and Deep Learning	Fatih Koyuncu	Assoc. Prof. Dr. Onur Cihan	EE4198	Assoc. Prof. Dr. Onur Cihan	Asst. Prof. Dr. Salih Bayar	Prof. Dr. Mustafa Onat	10.30 - 10.45	3
Real Time Flight Control Software and Flight Control Board Design for Vertical Landing Rocket Systems	İbrahim Cahit Özdemir, Abdulmecid Pamuk	Assoc. Prof. Dr. Onur Cihan	EE4198	Assoc. Prof. Dr. Onur Cihan	Asst. Prof. Dr. Salih Bayar	Prof. Dr. Mustafa Onat	10.45 - 11.00	3
Integrating Video Call APIs in Laravel: A Comparative Analysis with Real-Time App Development	Sertan Aygün	Asst. Prof. Dr. Salih Bayar	EE4198	Asst. Prof. Dr. Salih Bayar	Assoc. Prof. Dr. Onur Cihan	Prof. Dr. Mustafa Onat	11.00 - 11.15	3
NLP Using For Healthcare Chatbot Application	Ziya SARICAN, İsmail Doğukan ÖZCAN	Asst. Prof. Dr. Salih Bayar	EE4198	Asst. Prof. Dr. Salih Bayar	Assoc. Prof. Dr. Onur Cihan	Prof. Dr. Mustafa Onat	11.15 - 11.30	3
Adaptive Electric Fence System Design with Object Tracking Using a camera	Mustafa Alperen BEBEK , İbrahim BİNİCİ , Nurullah Said TÜĞMEN , Abdussamed ŞAHİN	Prof. Dr. Mustafa Onat	EE4198	Prof. Dr. Mustafa Onat	Asst. Prof. Dr. Salih Bayar	Assoc. Prof. Dr. Onur Cihan	11.30 - 11.45	3
Microwave Antenna Design	Esra Özkan - Türker Erdem - Yunus Emre Polat	Assoc. Prof. Dr. Fulya Çallıalp	EE4198	Assoc. Prof. Dr. Fulya Çallıalp	Lect Şakir Bingöl		9.00 - 9.15	4
Desinging of 5G Antenna	Muhammed Atabay, İbrahim Halil Şahin	Assoc. Prof. Dr. Fulya Çallıalp	EE4198	Assoc. Prof. Dr. Fulya Çallıalp	Lect Şakir Bingöl		9.15 - 9.30	4
Flight Controller Design For Quadcopter	Ali Eren TÜRK , Osman BÜYÜKKAĞNICI	Assoc. Prof. Dr. Fulya Çallıalp	EE4198	Assoc. Prof. Dr. Fulya Çallıalp	Lect Şakir Bingöl		9.30 - 9.45	4
MICRO PATCH ANTENNA DESIGN AND FREQUENCY COMPARISON: EFFICIENCY AND PERFORMANCE ANALYSIS	Erkan Erten- Halil İbrahim Karaoğlu	Assoc. Prof. Dr. Fulya Çallıalp	EE4198	Assoc. Prof. Dr. Fulya Çallıalp	Lect Şakir Bingöl		9.45 - 10.00	4
Energy Management System for Microgrid	Ali Temir - Yusuf Bedir - Sena Gül Tunçbilek	Lect Şakir Bingöl	EE4198	Lect Şakir Bingöl	Assoc. Prof. Dr. Fulya Çallıalp		10.00 - 10.15	4
Smart City Lighting	Onur Abdi - Renan Nart Sezgin - Timur Er - Başak Öztoprak	Lect Şakir Bingöl	EE4198	Lect Şakir Bingöl	Assoc. Prof. Dr. Fulya Çallıalp		10.15 - 10.30	4
Analysis of EV fast charging Stations	Onur Atasever-Enes Eroğlu-Ahmet Tahir Manzak	Asst. Prof. Dr. Ahmet Unutulmaz	EE4198	Asst. Prof. Dr. Ahmet Unutulmaz	Prof. Dr. Cabir Vural	Dr. Mohammad Alsunaidi	9.00 - 9.15	5
Implementations of Quantum Computing Algorithms	Selahattin Ege Karagözlü - Uygur Gündüz - Mehmet Karaca	Asst. Prof. Dr. Ahmet Unutulmaz	EE4198	Asst. Prof. Dr. Ahmet Unutulmaz	Dr. Mohammad Alsunaidi	Prof. Dr. Cabir Vural	9.15 - 9.30	5
Memristor Based Image Recognition and Neural Network Systems	Deniz Gönül	Asst. Prof. Dr. Ahmet Unutulmaz	EE4198	Asst. Prof. Dr. Ahmet Unutulmaz	Dr. Mohammad Alsunaidi	Prof. Dr. Cabir Vural	9.30 - 9.45	5
Bluetooth-Based PCB	Ali Bora Manavoğlu	Asst. Prof. Dr. Ahmet Unutulmaz	EE4198	Asst. Prof. Dr. Ahmet Unutulmaz	Dr. Mohammad Alsunaidi	Prof. Dr. Cabir Vural	9.45 - 10.00	5
Distance and Angle Optimization of Infrared Temperature Measurement	Enes Atan	Dr. Mohammad Alsunaidi	EE4198	Dr. Mohammad Alsunaidi	Asst. Prof. Dr. Ahmet Unutulmaz	Prof. Dr. Cabir Vural	10.00 - 10.15	5
ELECTROLESS COPPER COATING ON PDMS	Mahsum Aslan	Dr. Mohammad Alsunaidi	EE4198	Dr. Mohammad Alsunaidi	Prof. Dr. Cabir Vural	Asst. Prof. Dr. Ahmet Unutulmaz	10.15 - 10.30	5
Model Selection of Casting Agencies Using Visual Dialogue and Deep Learning	Muhammed Bahaddin Aydoğan - Egemen Şahin - Eren Karaslan	Prof. Dr. Cabir Vural	EE4198	Prof. Dr. Cabir Vural	Asst. Prof. Dr. Ahmet Unutulmaz	Dr. Mohammad Alsunaidi	10.30 - 10.45	5
Visual Dialog Application for Visually Impaired People	Tuncer Cem Uğurluer, Mustafa Talha Öztürk	Prof. Dr. Cabir Vural	EE4198	Prof. Dr. Cabir Vural	Asst. Prof. Dr. Ahmet Unutulmaz	Dr. Mohammad Alsunaidi	10.45 - 11.00	5

EE4197

Generate Electricity From Raindrops with Piezoelectric	Fatih Tan	Assoc. Prof. Dr. Fulya Çallıalp	EE4197	Assoc. Prof. Dr. Fulya Çallıalp	Lect Şakir Bingöl	Asst. Prof. Dr. Mustafa Alparslan Zehir	11.00 - 11.15	6
Multiobjective optimization for health sensor/communication networks.	Oğuzhan Karataş - Yusuf Erdem Demir	Assoc. Prof. Dr. Engin Maşazade	EE4197	Assoc. Prof. Dr. Engin Maşazade	Lect Şakir Bingöl	Assoc. Prof. Dr. Fulya Çallıalp	11.30 - 11.45	7
A Sensor for Concrete Structural Health Monitoring	Mazlum TAŞ	Prof. Dr. Cem ÜNSALAN	EE4197	Prof. Dr. Cem ÜNSALAN	Asst. Prof. Dr. Salih Bayar	Assoc. Prof. Dr. Onur Cihan	11.45 - 12.00	8
ELECTROLESS COPPER COATING ON PDMS	Necati Şenel	Dr. Mohammad Alsunaidi	EE4197	Dr. Mohammad Alsunaidi	Asst. Prof. Dr. Ahmet Unutulmaz	Assoc. Prof. Dr. Oğuzhan Ceylan	11.45 - 12.00	9
Speech and Facial Emotion Recognition in Turkish Videos Using Deep Learning and Machine Learning	Ece Bahçeli Yunus Emre Esen	Assoc. Prof. Dr. Onur Cihan	EE4197	Assoc. Prof. Dr. Onur Cihan	Lect Şakir Bingöl	Assoc. Prof. Dr. Fulya Çallıalp	12.00 - 12.15	10