

## Fall 2023 -2024 ENGINEERING PROJECT PRESENTATION SCHEDULE

<b>EE 4198 - in-class Presentations :</b>							
No	Project Name	Group Members	Contact e-mail address	Advisor	Course Code	Session	
1	Wireless Charging Coils Matching Design with Arduino	Melih Can Polat	canmelih@marun.edu.tr	Prof. Dr. Osman Kılıç	EE4198	09:00 - 09:20 @M4 Z02	i n - c l a s s  p r e s e n t a t i o n s
2	Wireless Smart Home Systems	Oğuzhan Karataş	oguzhankaratas@marun.edu.tr	Assoc. Prof. Dr. Engin Maşazade	EE4198	09:00 - 09:20 @M4 Z03	
3	Utilizing Machine Learning Algorithms for Disease Diagnosis and Management in Agricultural Products	Şeyma Kaya - Sıla İnanır	silainanir@marun.edu.tr	Lect. Şakir Bingöl	EE4198	09:20 - 09:40 @M4 Z02	
4	Object Tracking with Using Embedded Camera via FPGA	Ahmet Talha Yıldırım, Mazlum Taş	yahmettalha.2@gmail.com	Prof. Dr. Cem Ünsalan	EE4198	09:20 - 09:40 @M4 Z03	
5	Solar Powered Agricultural Smart Irrigation System	Fatih Tan - Murat Çevik	fatihtan@marun.edu.tr	Assoc. Prof. Dr. Fulya Çallıalp	EE4198	09:40 - 10:00 @M4 Z02	
6	Speech and Facial Emotion Recognition in Turkish Videos Using Deep Learning and Machine Learning	Ece Bahçeli - Yunus Emre Esen	yunusesen@marun.edu.tr	Assoc. Prof. Dr. Onur Cihan	EE4198	09:40 - 10:00 @M4 Z03	
7	Exoplanet Visualizer with Using Flask	Melih Alparslan Aksoy-Alper Arslan	melih.aksoy.obpe12@gmail.com	Assoc. Prof. Dr. Fulya Çallıalp	EE4198	10:00 - 10:20 @M4 Z02	



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- / 25	24 / 13	12 / 1



M4 Building Entrance

## EE 4197 - Poster Presentations :

No	Project Name	Group Members	Contact e-mail address	Advisor	Course Code	Session
1	Advanced Driver Assistance System	Yiğithan Başhan	yigithanbashan@marun.edu.tr	Prof. Dr. Osman Kılıç	EE4197	Session 1 09:00 - 12:00
2	Application to Help People Maintain a Healthy Physical Appearance	Eyüp Ensar Pırol - Emirhan Bayrakdar	eyuppırol@marun.edu.tr	Prof. Dr. Osman Kılıç	EE4197	Session 1 09:00 - 12:00
3	Vibration Monitor With Vibration Sensor	Cihan turan	cturan@marun.edu.tr	Prof. Dr. Osman Kılıç	EE4197	Session 1 09:00 - 12:00
4	Advanced Driver Assistance System	Mustafa Doğan	mustafadogan791@marun.edu.tr	Prof. Dr. Mustafa Onat	EE4197	Session 1 09:00 - 12:00

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5	Object Tracking with Using Embedded Camera via FPGA	Gülnihal Günen	gulnihalgunen@marun.edu.tr	Prof. Dr. Cem Ünsalan	EE4197	ion 1 09:00 - 12:00
6	Keyword Spotting for Disabled People by using Deep Learning on Microcontroller	Bedirhan Demirci, Ecmel Çakır, Emine Sude Çoban	ecmelcakir@marun.edu.tr	Prof. Dr. Cem Ünsalan	EE4197	ion 1 09:00 - 12:00
7	Predictive Maintenance of Wind Machines using Deep Learning on Microcontrollers	Mustafa Erdem Tusun, Elif Mehlika Metin	metusun@gmail.com	Prof. Dr. Cem Ünsalan	EE4197	ion 1 09:00 - 12:00
8	Human Activity Recognition System using Deep Learning on Microcontrollers for Elderlies	Tuğrahan Karakadioğlu	tugrahankarakadioglu@marun.edu.tr	Prof. Dr. Cem Ünsalan	EE4197	ion 1 09:00 - 12:00
9	Swin Transformer for Detecting Trees in Satellite Images	Ozan Durgut	ozandurgut@marun.edu.tr	Prof. Dr. Cem Ünsalan	EE4197	ion 1 09:00 - 12:00
10	Design and Implementation of an Integrated Sensor System for Soil Analysis	İsmail Emre Alçi	emrealci@marun.edu.tr	Prof. Dr. Cem Ünsalan	EE4197	ion 1 09:00 - 12:00
11	Tree Detection from Satellite Images via CNN Models and MobileNet	İbrahim Tınas	ibrahimtinas@marun.edu.tr	Prof. Dr. Cem Ünsalan	EE4197	ion 1 09:00 - 12:00
12	Farming Field Optimization Using IoT Systems	Eyüp Sercan Varan, Mahmut Dursun, Emrehan Cem Güven	sercanvaran@marun.edu.tr	Lect. Şakir Bingöl	EE4197	ion 1 09:00 - 12:00
13	Public Transport Optimization Between Europe and Asia in Istanbul	Bora Yurdakul-Altan Şengül	borayurdakul@marun.edu.tr	Lect. Şakir Bingöl	EE4197	ion 1 09:00 - 12:00
14	Voice Command Integration into Automated Guided Vehicles (AGV)	Atakan Ekşi - Fatih Küçük - Yavuzhan Akyiğit	atakaneksi@marun.edu.tr	Lect. Şakir Bingöl	EE4197	ion 1 09:00 - 12:00
15	Earthquake Occurrence Analysis Using Machine Learning Applications	Hasan Cem Gençoğlu	hasancemgencoglu@gmail.com	Lect. Şakir Bingöl	EE4197	ion 1 09:00 - 12:00
16	Eye Controlled Mouse Cursor With Python	Emre Arat	emrearat@marun.edu.tr	Lect. Şakir Bingöl	EE4197	ion 1 09:00 - 12:00
17	Energy Management Strategy Development for Formula-E Racing	Ümit Büyükcay	umitbuyukcay@marun.edu.tr	Asst. Prof. Dr. Alparslan Zehir	EE4197	ion 1 09:00 - 12:00
18	Cyberattack Impact Analysis in Wind Farms	Çağla Karaarslan	caglakaraarslan@marun.edu.tr	Asst. Prof. Dr. Alparslan Zehir	EE4197	ion 1 09:00 - 12:00
19	Energy Management Solutions for Multiple Vehicle to Grid Services Provision	İrem Dişiaçık	iremdisiacik@marun.edu.tr	Asst. Prof. Dr. Alparslan Zehir	EE4197	ion 1 09:00 - 12:00

**ESSION 1 09:00**

20	Peer to Peer Energy Sharing in Local Distribution Systems	Bilhan İlbey Çontar	ilbeycontar@marun.edu.tr	Asst. Prof. Dr. Alparslan Zehir	EE4297	ion 1 09:00 - 12:00
21	Carbon Emissions and Energy Prices Considered Energy Management with IoT Devices in Buildings	Hatice Kübra Dođmuş	kubradogmus@marun.edu.tr	Asst. Prof. Dr. Alparslan Zehir	EE4197	ion 1 09:00 - 12:00
22	Non-intrusive Load Monitoring in Residential and Commercial Buildings	Kaan Pehlivan	kaanpehlivan@marun.edu.tr	Asst. Prof. Dr. Alparslan Zehir	EE4297	ion 1 09:00 - 12:00
23	Impacts of storage on phase balancing	Muhammed Dünder, Furkancan Şener	furkancansener@gmail.com	Assoc. Prof. Ođuzhan Ceylan	EE4197	ion 1 09:00 - 12:00
24	Impacts of EVs on distribution networks and optimization based solutions to losses	Yusuf Kaan Coşar, Abdullah Eren Kılınç	yusufkaancosar2000@gmail.com	Assoc. Prof. Ođuzhan Ceylan	EE4197	ion 1 09:00 - 12:00
25	Artificial Intelligence-Based Mobile Interface for Monitoring Cigarette Addiction and Lung Health Tracking	Merve Sena Arpacık Fatih Mehmet Karakulle Murat Sarp Yıldırım	mervearpacik@marun.edu.tr	Assoc. Prof. Dr. Fulya Çallıalp	EE4197	ion 1 09:00 - 12:00
26	Sensing and short range communication studies for >92 GHz frequencies	Erdem Topkaya, Yunus Kuşçu	erdemtopkaya@marun.edu.tr	Assoc. Prof. Dr. Fulya Çallıalp	EE4197	ion 1 09:00 - 12:00
27	Artificial Intelligence Barcode Detection Systems	Mustafa Taha Kabar - Muhammet Metin Molak	tahakabar@marun.edu.tr	Assoc. Prof. Dr. Fulya Çallıalp	EE4197	ion 1 09:00 - 12:00
28	State of Health Estimation for Li-ion Batteries	Kaan Yalçın	kaanyalcin@marun.edu.tr	Assoc. Prof. Dr. Fulya Çallıalp	EE4197	ion 1 09:00 - 12:00
1	Temperature monitoring of vaccine cabinets with IoT	Muhammed Ali Fırat - Mehmet Resul Pınar	muhammedfirat@marun.edu.tr	Prof. Dr. Osman Kılıç	EE4197	ion 2 14:00 - 17:00
2	Artificial Intelligence Powered Personal Trainer	Abdulkerim Biz - Ođuz Berk Akdeniz	oguzberkakdeniz50@gmail.com	Prof. Dr. Gökhan Bora Esmer	EE4197	ion 2 14:00 - 17:00
3	Classification of Blood Cells and Detection of Defects in Their Structure Using Artificial Intelligence	Selin Necip - Sanem Uytan	selinnecip@gmail.com	Prof. Dr. Gökhan Bora Esmer	EE4197	ion 2 14:00 - 17:00
4	Developing of a performance comparison index for Image Super-Resolution Models	Gökhan Koçmarlı	gokhankocmarli@marun.edu.tr	Prof. Dr. Gökhan Bora Esmer	EE4197	ion 2 14:00 - 17:00
5	Extracting Personal Information from Video Sequences Using Deep Learning	Kağan Argon , Mehmet Kaya	kaganargon@marun.edu.tr	Prof. Dr. Gökhan Bora Esmer	EE4197	ion 2 14:00 - 17:00

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6	Avionics Flight Controller Development Board Design	Ömer Faruk Yesir	omeryesir@gmail.com	Prof. Dr. Gökhan Bora Esmer	EE4197	ion 2 14:00 - 17:00
7	Flight Control Development Board Design	Ebubekir Furkan Tepeli	ebubekirtepelimarun.edu.tr	Prof. Dr. Gökhan Bora Esmer	EE4197	ion 2 14:00 - 17:00
8	Estimation of Emotional Status From Visual and Audio Signals	Hakan DEMİR	hakan.demir@marmara.edu.tr	Prof. Dr. Gökhan Bora Esmer	EE4197	ion 2 14:00 - 17:00
9	Detection of Protective Glasses, Helmet, Vest, and Gloves Usage through Image Processing	İdris Akalın	idrisakalin@marun.edu.tr	Prof. Dr. Gökhan Bora Esmer	EE4197	ion 2 14:00 - 17:00
10	Embedded System Design for Wireless Video Transmission by using STM32F407VG Microcontroller	Yavuz Selim Kızıltaş İlkay Koç Ömer Faruk Sayar	omersayar@marun.edu.tr	Prof. Dr. Cabir Vural	EE4197	ion 2 14:00 - 17:00
11	In-vehicle communication (CANBus)	Bayram İslamoğlu	bayramislamoglu@marun.edu.tr	Prof. Dr. Cabir Vural	EE4197	ion 2 14:00 - 17:00
12	Automatic Product Listing Description Generation from Product Specific Images via Deep Learning	Burak Eren	burak.eren@marun.edu.tr	Prof. Dr. Cabir Vural	EE4197	ion 2 14:00 - 17:00
13	Heart failure classification based on Ejection Fraction via Deep Learning	Mehmet Hamit ERKOÇ Alaattin OKUR	mehmethamit19@marun.edu.tr	Prof. Dr. Cabir Vural	EE4197	ion 2 14:00 - 17:00
14	Creating a face image using deep learning from a description defined as text	Akın Samet Aksoy	akin.samet@marun.edu.tr	Prof. Dr. Cabir Vural	EE4197	ion 2 14:00 - 17:00
15	Laravel Swagger Integrator: Creating an endpoint test environment based on the Laravel framework in line with the analysis of API routes and HTTP methods	Erdem Beştaş	erdembestaseem@gmail.com	Asst. Prof. Dr. Salih Bayar	EE4197	ion 2 14:00 - 17:00
16	A Medical Domain Ai Chatbot Using Deep Learning	Sezin Arseven, Enes Kaya, Emirhan Çelik	sezinarseven@marun.edu.tr	Asst. Prof. Dr. Salih Bayar	EE4197	ion 2 14:00 - 17:00
17	Error-Correcting User Interface Engine	Muhammed Ali Kaya	alikaya19@marun.edu.tr	Asst. Prof. Dr. Salih Bayar	EE4197	ion 2 14:00 - 17:00
18	Socket-Integrated Event-Driven Real-Time Communication Application: Building Simultaneous Data Streaming	Ahmet Ensar Gürel	agurel@marun.edu.tr	Asst. Prof. Dr. Salih Bayar	EE4197	ion 2 14:00 - 17:00
19	Data Analysis For Telemedicine	Ata Murat Bozkurt - Sude İlayda Özkara	atamurat23@hotmail.com	Asst. Prof. Dr. Salih Bayar	EE4197	ion 2 14:00 - 17:00

# SESSION 2 14 :

20	Developing Near-Field Thermal Radiation of Metal Structures for Photovoltaic Applications	Ferda Bulut	ferdanebulut@marun.edu.tr	Asst. Prof. Dr. Mohammad A. H. Alsunaidi	EE4197	ion 2 14:00 - 17:00
21	Microstrip Patch Antenna Design	Yusuf ŞAHUTOĞLU- İsmail Hanifi NAL-Memet KAYA	ismailnal@marun.edu.tr	Asst. Prof. Dr. Mohammad A. H. Alsunaidi	EE4197	ion 2 14:00 - 17:00
22	Microstrip Patch Antenna Design	Haydar Efe Albayrak - Burak Gökmen - Atabey Aydı	efealbayrak@marun.edu.tr	Asst. Prof. Dr. Mohammad A. H. Alsunaidi	EE4197	ion 2 14:00 - 17:00
23	Wireless Power Transmission Unit Design and Application for Electric Vehicles	Havva Yılmaz	havvayilmaz@marun.edu.tr	Asst. Prof. Dr. Ahmet Unutulmaz	EE4197	ion 2 14:00 - 17:00
24	An Application Programming Interface and Graphical User Interface for Setup and Configuration of Development and Production Environments with Creating Batch Scripts	Ahmet Sertaç Dinçer	sertacdincer@marun.edu.tr	Asst. Prof. Dr. Ahmet Unutulmaz	EE4197	ion 2 14:00 - 17:00
25	POS (Point of Sale) Automation System and Server Management Developed in C Language for Linux Environment	Muhammet Eren Coşkun -Kerem Yaraş	erencoskun@marun.edu.tr	Asst. Prof. Dr. Ahmet Unutulmaz	EE4197	ion 2 14:00 - 17:00
26	Traffic Sign Recognition and Violation Monitoring for Road Safety	Yağız Pakçe	yagizpakce@marun.edu.tr	Asst. Prof. Dr. Ahmet Unutulmaz	EE4197	ion 2 14:00 - 17:00
27	Deep Learning Based Real-Time Estimation: Deep Kalman Filter and Robotic Vehicle Integration	Barancan Sönmez Muhammet Emin Akay	barancansonmez@marun.edu.tr	Assoc. Prof. Dr. Engin Maşazade	EE4197	ion 2 14:00 - 17:00
28	Autonomous Source-Seeking UAV System Enhanced with Deep Reinforcement Learning Method	Emre Emer Mehmet Enes Çelik	emreemer@marun.edu.tr	Assoc. Prof. Dr. Engin Maşazade	EE4197	ion 2 14:00 - 17:00
29	A Reinforcement Learning Model for Industrial Filling Process Control	Ömer Sabri Emeksiz	omeremeksiz@marun.edu.tr	Assoc. Prof. Dr. Engin Maşazade	EE4297	ion 2 14:00 - 17:00
30	Secure Machine Learning in Electrical Networks	Koray Can Kaya	kcan20@marun.edu.tr	Assoc. Prof. Dr. Engin Maşazade	EE4197	ion 2 14:00 - 17:00

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<b>31</b>	Distinguishing Emotional States From Physiological Sensors	Sude Bulut, Mehmet Mert Yavaş	sudebulut@marun.edu.tr	Assoc. Prof. Dr. Engin Maşazade	EE4297	ion 2 14:00 - 17:00
<b>32</b>	Automation system with wireless communication using sensor nodes	Halil İbrahim Bilgin - Mustafa Caner Oğuz	hbilgin20@marun.edu.tr	Assoc. Prof. Dr. Engin Maşazade	EE4197	ion 2 14:00 - 17:00
<b>33</b>	Open-Source Emulator Design for LoRa Module	Zeliha Nur Çabuk	zeliyacabuk@marun.edu.tr	Assoc. Prof. Dr. Engin Maşazade	EE4197	ion 2 14:00 - 17:00