

2021-2022 EĞİTİM-ÖĞRETİM YILI
GÜZ YARIYILI PROJE KONULARI

Prof. Dr. Beşir ŞAHİN

- BŞ-1 Design of radial fan (Fluid Machinery dersini almış bir öğrenci)
BŞ-2 Design of radial water pump (Fluid Machinery dersini almış bir kişi)
BŞ-3 Design of diffuser augmented wind turbine (Fluid Machinery ve Fluent derslerini almış bir kişi)
BŞ-4 Numerical analysis of heat exchangers using Fluent Package program (Fluent derslerini dersini almış iki öğrenci)
BŞ-5 Absorption cooling system design using waste heat (Bir öğrenci)
BŞ-6 Numerical analysis of bluff bodies (Car, fans, pumps etc, Fluent derslerini almış iki kişi)
BŞ-7 Production of Hydrogen Energy (Bir öğrenci)

Prof. Dr. Vebil YILDIRIM

VY-1 The effect on coating material types on the elastic bending behavior of the symmetric fiber-coated isotropic beams with various boundaries under uniformly distributed loads

VY-2 The effect on coating thickness on the elastic bending behavior of the symmetric fiber-coated isotropic beams with various boundaries under uniformly distributed loads

Prof. Dr. Kadir AYDIN

- KA-1) Manufacture of an Automatic Battery Welding Machine.
KA-2) Design of an Automatic Battery Sorting Machine.
KA-3) Manufacture of an Automatic Vapour Smoothing Machine.
KA-4) Ventilation and Thermal Management Analysis of a Li-Ion Battery Pack.
KA-5) Manufacture of a 5D FDM Printer.
KA-6) Manufacture of a Metal 3D Printer.
KA-7) Design of a Hybrid Manufacturing Machine.
KA-8) Design of an L7e Vehicle.
KA-9) Design and Manufacture of a Portable Digital Scale for Large and Heavy Goods.

Prof. Dr. Naki TÜTÜNCÜ

- NT-1 Noise Control in Structures
NT-2 Structural Adhesives

Prof. Dr. Melih Bayramoğlu

- MB-1 Mold Design for Sand Casting

Prof. Dr. Necdet GEREN

- NG-1 Automated pneumatic packaging machine Design (MES417 yi alanlar)
NG-2 Automated pneumatic filling machine Design (MES417 yi alanlar)
NG-3 Automated pneumatic transfer machine Design (MES417 yi alanlar)
NG-4 Spur Gear box design (ME-356 yı geçenler alabilir)

Prof. Dr. Abdulkadir EKŞİ

- AE-1 Sheet-Metal Die Design.
AE-2 A Mold Design in Aluminum Casting .
AE-3 Design of a Working Die.
AE-4 micro power plant turbine blade manufacturing
AE-5 Design of a Working Die.

Prof. Dr. Orhan BÜYÜKALACA

OBA-1 Design of solid desiccant air-conditioning systems

Prof. Dr. Hüseyin AKILLI

HA-1. Water supply systems in buildings
HA-2. Design and optimization of wind turbine
HA-3. Pipe networks design
HA-4. Design of coal stove
HA-5. Wind tunnel design
HA-6 Design of fixed wing UAV

Prof. Dr. Hakan YAVUZ

HY1) Drawing bot using Arduino Uno
HY2) 3 axis force measurement
HY3) CoreXY pen plotter
HY4) Asmograf Pen Plotter
HY5) EEZYxyDRAW BOT
HY6) R-Draw BOT
HY7) CNC Engraving BOT
HY8) Miniature 3 Axis CNC Milling
HY9) Mini PCB Drill
HY10) OpenScan - 3D Scanner

Dr.Öğr.Üyesi Durmuş Ali BİRCAN

DAB-1 Design, analysis, and topology optimization of automotive/aerospace/medical components
DAB-2 Design and Analysis of Customized Fixation Plate for Femoral Shaft
DAB-3 Design, analysis, and optimization of steel structures using FEA software
DAB-4 Activated Flux TIG Welding of Non-Ferrous Metals
DAB-5 Design of a Smart Wheelchair for ALS patients
DAB-6 Design of Al-Jazari's Elephant Water Clock
DAB-7 Development of smart greenhouse using Industry 4.0
DAB-8 Digital transformation in Agriculture: Agriculture 4.0

Dr.Öğr.Üyesi M. İlteris SARIGECİLİ

MİS-1 Design of a Robot
MİS-2 Kinematic and Dynamic Analysis of Mechanisms
MİS-3 Applications in Automatic Control
MİS-4 Any project conceived by student

Dr.Öğr.Üyesi Göktürk Memduh ÖZKAN

GMÖ-1 CFD analysis of low Reynolds number airfoils for Mars Exploration
GMÖ-2 Flow and the Virus- An algorithm for suppressing the outdoor transmission of COVID-19
GMÖ-3 Aqua UAV design
GMÖ-4 Design of an offshore wind farm- A case study