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İZMİR KÂTİP ÇELEBİ UNIVERSITY
FACULTY OF ENGINEERING AND ARCHITECTURE
MECHANICAL ENGINEERING DEPARTMENT

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15.02.2017

DESIGN PROJECT PROPOSAL FORM

Academic Year	2022 -2023	Semester	Fall • Spring <input checked="" type="checkbox"/>
Project Type	Research <ul style="list-style-type: none">• ME 411 Thermal & Fluid Design• ME 413 Mechanical Design• ME 415 Robotics & Control Design	Application <input checked="" type="checkbox"/> ME 412 Thermal & Fluid Design <ul style="list-style-type: none">• ME 414 Mechanical Design• ME 416 Robotics & Control Design	
Advisor	Asst. Prof. Dr. Şahin GÜNGÖR		
Project Title	Heat recovery aided mechanical ventilation of residential/nonresidential buildings.		
Purpose and Scope	Main objective of the project is to design heat recovery ventilation systems complying with the ASHRAE 55, 62.1 and 62.2 standards to satisfy the indoor air quality and thermal comforts issues.		
Work Packages	<ul style="list-style-type: none">- Selection of a domain (laboratory, residential apartment, classroom etc.) and determination of boundary conditions.- Determination of supply and exhaust flow rates according to the ASHRAE standards.- Designing a air-to-air heat exchanger- Presenting the design, main outcomes, findings, results of the project.		
# of Team Members			
This section to be filled by the Commission	The Project Proposal <input type="checkbox"/> is approved. <input type="checkbox"/> should be revised considering the following suggestions:		