



FINAL PROJECT ASSIGNMENT

Publicly Available

Identification	Name: Fakhruddin		ID: 73613065940	
	Code of the Curriculum: 2NAMW0		Specialisation:	Document ref. number:
	Curriculum: Master Program in Mechanical Engineering Modelling		2NAMW0-FM	GEÁT:2023-1:2NAMW0:BWFHNI
	Final Project issued by: Department of Fluid Mechanics		Final exam organised by: Department of Fluid Mechanics	
Supervisor: Dr. Sente Viktor Gyula (71958279813), assistant professor				

Project Description	Title	Aerodynamic analysis of UAV Rotor Blade at Low Reynolds Number Drónrotor-lapát aerodinamikai vizsgálata alacsony Reynolds-számon
	Details	<ol style="list-style-type: none">Literature survey, surveying and analyzing relevant resources of technical literature.Design a rotor blade appropriate for UAV rotors.Analyze the characteristics of the UAV rotor blade using CFD.Modify the blade by using a different airfoil.Analyze the characteristics of the new blade using CFD.Compare the characteristics of the two blades.Summarize the work in the required document format of the MSc Thesis.
	Advisor	Advisor's Affiliation: Advisor: ,

Final Exam	1 st subject (group)	2 nd subject (group)	3 rd subject (group)	4 th subject (group)
	ZVEGEÁTNW02 Computational Fluid Dynamics	ZVEGEÁTNW03 Fluid Mechanics Measurements	ZVEGEÁTNW08 Building and Environmental Aerodynamics	ZVEGEÁTNW10 Advanced Technical Acoustics and Measurement Techniques

Authentication	Handed out: 5 September 2022		Deadline: 9 December 2022			
	Compiled by: Dr. Sente Viktor Gyula (71958279813) Supervisor		Verified by: <i>Dr. János Vad (signed)</i> Head of Department		Approved by: <i>Dr. Gábor Györke (signed)</i> Vice-Dean	
	The undersigned declares that all prerequisites of the Final Project have been fully accomplished. Otherwise, the present assignment for the Final Project is to be considered invalid. <i>Fakhruddin</i>					