



# FINAL PROJECT ASSIGNMENT

**Publicly Available**

Identification	Name: <b>Bukta Gergő László</b>		ID: 74906040039	
	Code of the Curriculum: 2N-MW0		Specialisation:	Document ref. number:
	Curriculum: Master Program in Mechanical Engineering Modelling		2N-MW0-DT	GEÁT:2024-1:2N-MW0:AD5IYB
	Final Project issued by: Department of Fluid Mechanics		Final exam organised by: Department of Machine and Product Design	
Supervisor: Dr. Sente Viktor Gyula (71958279813), assistant professor				

Project Description	Title	<b>Optimisation of a mixed type wind power generator</b> Kettős jellegű szélturbina generátor optimalizálása
	Details	<ol style="list-style-type: none"><li>Literature survey, surveying and analysing relevant resources of technical literature.</li><li>Select a wind turbine and establish baseline characteristics.</li><li>Prepare one or more wind deflectors/spoilers to increase the turbine utilization.</li><li>Establish the characteristics of the deflectors/spoilers using CFD.</li><li>Compare the results with the baseline characteristics.</li><li>Summarize the work in the required document format of the MSc Thesis.</li></ol>
	Advisor	Advisor's Affiliation: Advisor: --

Final Exam	1 <sup>st</sup> subject (group)	2 <sup>nd</sup> subject (group)	3 <sup>rd</sup> subject (group)
	<b>ZVEGEGENWPM</b> Product Modelling	<b>ZVEGEGTNWAM</b> Advanced Manufacturing	<b>ZVEGEGINWCT</b> CAD Technology

Authentication	Handed out: 4 September 2023		Deadline: 8 December 2023			
	Compiled by: Dr. Sente Viktor Gyula (71958279813) Supervisor		Verified by: Dr. János Vad (signed) Head of Department		Approved by: Dr. Gábor Györke (signed) 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.  ..... Bukta Gergő László					