



# FINAL PROJECT ASSIGNMENT

**Publicly Available**

Identification	Name: <b>Mahammadov Seymur</b>		ID: 73352437814	
	Code of the Curriculum: 2NAAG0		Specialisation:	Document ref. number:
	Curriculum: Bachelor of Science Degree Program in Mechanical Engineering		2NAAG0-PE	GEÁT:2022-1:2NAAG0:YLC5RC
	Final Project issued by: Department of Fluid Mechanics		Final exam organised by: Department of Fluid Mechanics	
	Supervisor: <b>Lelkes János (72866960617)</b> , PhD student			

Project Description	Title	<b>Numerical investigation and optimization of morphing wing geometries</b> Alakváltó szárnygeometriák numerikus vizsgálata és optimalizációja
	Details	1. Literature survey morphing wing technology 2. Creating a MATLAB code to generate the morphing wing geometries 3. CFD analysis of the different geometries 4. Calculation of the drag and lift coefficient 5. Comparison of the different geometries 6. Choosing an optimal morphing geometry 7. Summary of the results
	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)	4 <sup>th</sup> subject (group)
	<b>ZVEGEVGAG4X</b> Volumetric Pumps and Compressor	<b>ZVEGEVGAGFF</b> Fluid Flow Systems	<b>ZVEGEENAG71</b> Energy Processes and Equipments	X

Authentication	Handed out: 6 September 2021		Deadline: 10 December 2021			
	Compiled by: <b>Lelkes János (72866960617)</b> 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>Mahammadov Seymur</i>					