



FINAL PROJECT ASSIGNMENT

Publicly Available

Identification	Name: Mian Abi Danial		ID: 73070090720	
	Code of the Curriculum: 2NAAG0		Specialisation:	Document ref. number:
	Curriculum: Bachelor of Science Degree Program in Mechanical Engineering		2NAAG0-PE	GEÁT:2021-T:2NAAG0:U0RO6M
	Final Project issued by: Department of Fluid Mechanics		Final exam organised by: Department of Fluid Mechanics	
	Supervisor: Dr. Csaba Horváth (71949162105), senior lecturer			

Project Description	Title	Investigation of rotating noise sources using beamforming methods Forgó zajforrások vizsgálata nyalábformálási módszerekkel
	Details	1. Review of the literature regarding rotating noise sources 2. Review of the literature regarding beamforming technology 3. Review of the literature regarding the localization of rotating noise sources using beamforming technology. 4. Measurement of a rotating noise source test rig with a phased array microphone system from multiple viewing angles. 5. Processing of the measurement data using beamforming technology. 6. Summarize the work in the required document format of the BSc Thesis.
	Advisor	Advisor's Affiliation: Advisor: —

Final Exam	1 st subject (group)	2 nd subject (group)	3 rd subject (group)	4 th subject (group)
	ZVEGEVGAGFF Fluid Flow Systems	ZVEGEENAG71 Energy Processes and Equipments	ZVEGEVGAG4X Vegyipari és áramlástechnikai gépek	—

Authentication	Handed out: 8 February 2021		Deadline: 14 May 2021		
	Compiled by: Dr. Csaba Horváth (71949162105) Supervisor		Verified by: <i>Dr. János Vad (signed)</i> Head of Department		Approved by: <i>Dr. Péter Bihari (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>Mian Abi Danial</i>				