ASSIGNMENT

MSc MAJOR PROJECT (BMEGEÁTMWD1)

Title:	**Post-processing OpenFOAM simulation and measurement results in case of a RAF6 airfoil**
Author's name (code):	**Dávid VIRÁG (B6W1A5)**
Curriculum :	MSc in Mechanical Engineering Modelling / Fluid Mechanics major
Supervisor's name, title:	László NAGY, assistant lecturer
Affiliation:	Department of Fluid Mechanics / BME
	H-1111 Budapest, Bertalan L. 4-6., AE Build.

Description / tasks of the project:

1. Draw conclusions from a BSc and MSc thesis discussing the same topic in measurement techniques, in the theme of RAF6 airfoil.

2. Prepare pressure measurements on the airfoil surfaces in the NPL wind tunnel.

3. Use visualisation techniques to show vortices along and behind the airfoil in the NPL wind tunnel.

4. Post-process and compare the OpenFoam simulation results with the measurement.

5. Summarize the project results.

Handed out / Deadline: **6th of February 2012. / 14th of May 2012.**

Budapest, 6th of February 2012.

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Dr. János VAD, associate professor
Head of Department

(L.S.)

Received by:
Budapest, 6th of February 2012.

The undersigned declares that all prerequisite subjects of the Major Project have been fully accomplished. Otherwise, the present assignment for the Major Project is to be considered invalid.

………………………….
student

Supervisor's declaration of acceptance:	The submitted Project Report fulfils all requirements of the Department of Fluid Mechanics, Budapest University of Technology and Economics. The Project Report is accepted for review process and public defence.
Supervisor's proposal for final grade of the thesis:	The proposed final grade* of the Project Report: ………………………..... * Please, select one: excellent (5), good (4), medium (3), acceptable (2), fail (1)
Date:	Budapest, 14th of May, 2012.
Name / Signature:	……………………………… László NAGY, assistant lecturer supervisor