

ASSIGNMENT

TEAMWORK PROJECT (BMEGEÁTMWTP)

Title: **Modal Analysis of an Axial Flow Fan**

Students name (code): **Bendegúz Dezső BAK (FFBGXK)**
Curriculum: MSc in Mechanical Engineering Modelling / spec. Fluid Mechanics
Curriculum's code: 2N-MW0-FM

Supervisor's name, title: Tamás BENEDEK, PhD student
Affiliation, address: Department of Fluid Mechanics / BME

Advisor's name, title: Dr. Tamás KALMÁR-NAGY, senior consultant
Affiliation, address: Department of Fluid Mechanics / BME

Description / tasks of the project:

1. Create the CAD model of the assigned fan
2. Carry out a modal analysis of the assigned fan using Finite Element Method
3. Carry out a modal analysis of the assigned fan using a measurement technique
4. Compare the results of the simulation and the measurement
5. Summarize the work in the required document format

Handed out / Deadline: **8th of September 2014. / 12th of December 2014.**
Budapest, 8th of September 2014.

(L.S.)

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supervisor

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Dr. János VAD, full professor
Head of Department

Received by:
Budapest, 8th of September 2014.

The undersigned declares that all prerequisite subjects of the Teamwork Project have been fully accomplished. Otherwise, the present assignment for the Teamwork Project and the subject's registration of BMEGEÁTMWTP are considered to be invalid.

.....
students' signatures



Supervisor's declaration of acceptance:	The submitted Teamwork Project Report fulfils all requirements of the Department of Fluid Mechanics, Budapest University of Technology and Economics.
Supervisor's proposal for final grade of the report:	<div style="border: 1px solid black; padding: 10px; text-align: center;"> The proposed final grade* of the Teamwork Project Report: </div> <p>* Please, select one: excellent (5), good (4), medium (3), acceptable (2), fail (1)</p>
Date:	Budapest, 12 th of December 2014.
Name / Signature:	<p style="text-align: center;">.....</p> <p style="text-align: center;">supervisor</p>

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