

Competence oriented study in engineering education – examples from practicING programme

Autoren:

- Sabine Fincke | sabine.fincke@tu-ilmenau.de
- Dr.-Ing. Ralph Maschotta | ralph.maschotta@tu-ilmenau.de

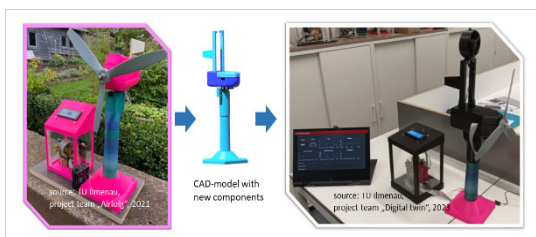
Project group “Wind turbine model with digital twin” with

- Thomas Röckl | thomas-christoph-ludwig.roeckl@tu-ilmenau.de
- Clara Sophie Roßbach | clara-sophie.rossbach@tu-ilmenau.de
- Yi Chun Hsu | yi-chun.hsu@tu-ilmenau.de

Project group “Experimental ball drop test environment” with

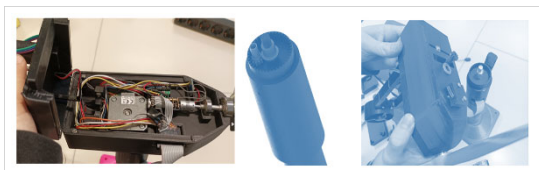
- Lydia Dorothea Augustin | lydia-dorothea.augustin@tu-ilmenau.de
- Lukas Daubner | lukas.daubner@tu-ilmenau.de
- Jan Deupmann | jan.deupmann@tu-ilmenau.de
- Marius Lehmann | marius.lehmann@tu-ilmenau.de
- Anna Maria Treffurth | anna-maria.treffurth@tu-ilmenau.de

WIND TURBINE MODEL WITH DIGITAL TWIN

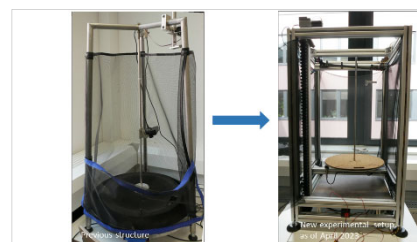


Department of Mechanical Engineering
„Product and System Development“

Supervisor: Univ.-Prof. Dr.-Ing. Stephan Husung

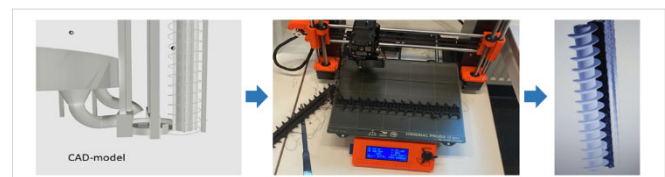


EXPERIMENTAL BALL DROP TEST ENVIRONMENT



Department of Computer Science and Automation
„Systems and Software Engineering“

Supervisor: Dr.-Ing. Ralph Maschotta



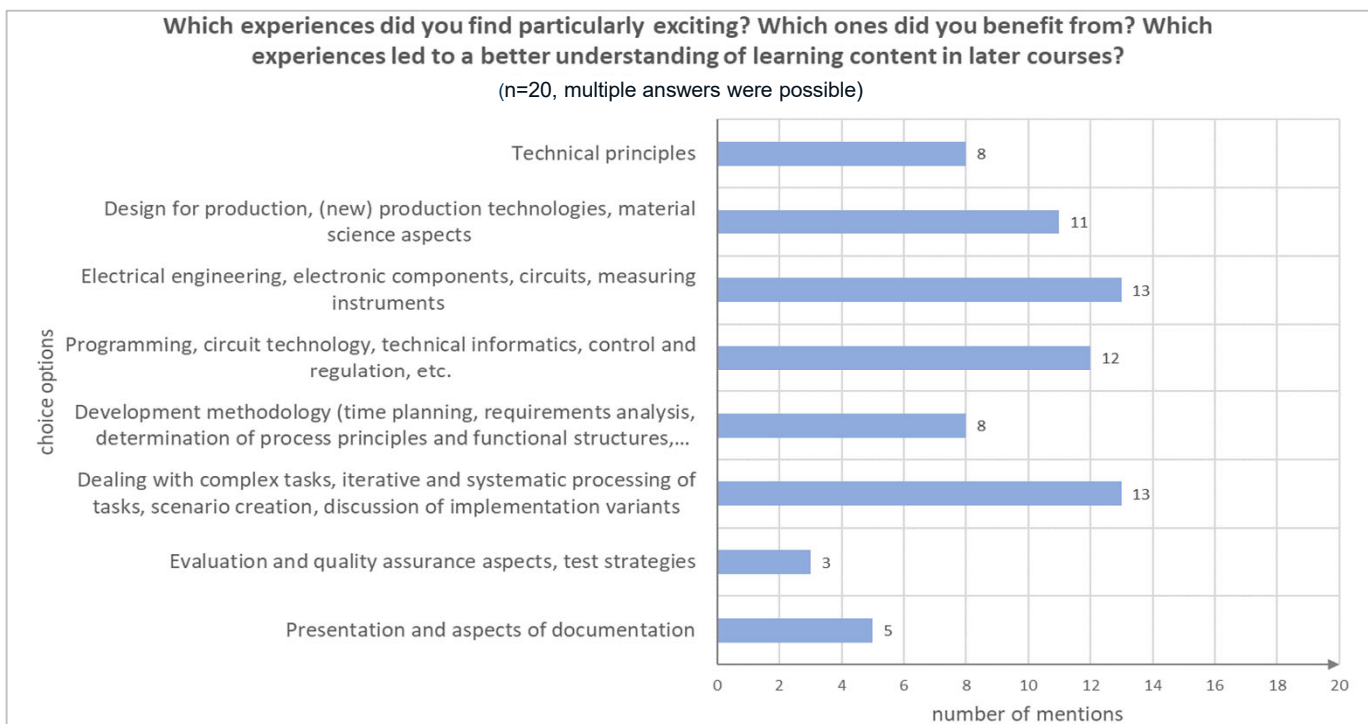
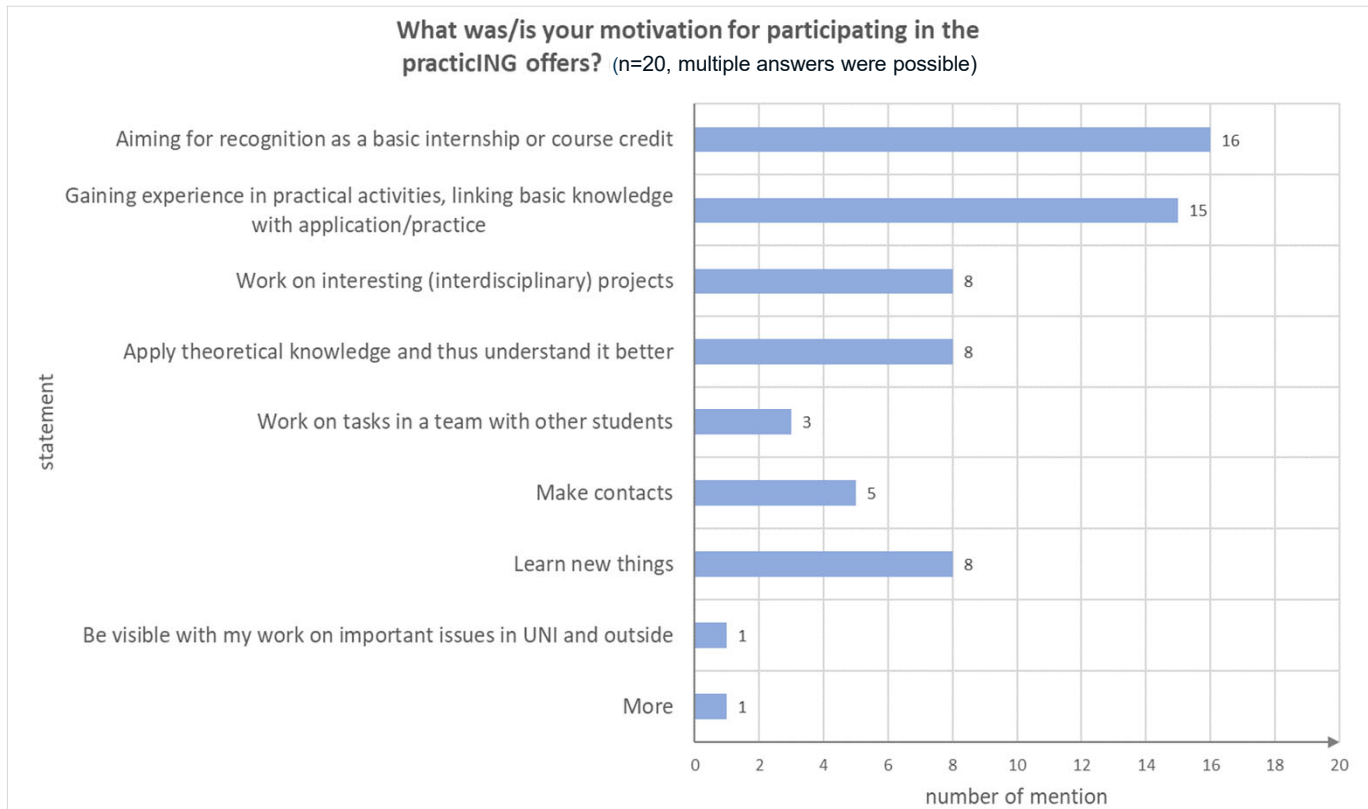
Results of survey:



www.tu-ilmenau.de/practicng



Evaluation: Survey of students, who have used practicING (July 2023)



What was the best thing?

- Insight in different areas
- Practical work and practical references
- Getting a good feeling for what it means to be an engineer
- Constructive feedback from teachers and the close cooperation also with professors
- Design and manufacture the components themselves

