Final Exam Questions

Subject group name: **CAD Technology**

Neptun code: ZVEGEGINWCT

Credit points: 3

Subject in this subject group:

- **CAD Technology (BMEGEGINWCT)**

Program: Mechanical Engineering, MSc (2N-MW0)

Specialization: Design and Technology

Responsible person:

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You can check the current subject forms at the Educational Portal of the Faculty of Mechanical Engineering.

https://oktatas.gpk.bme.hu/

Always check the for updates at edu.gpk.bme.hu before preparing for the exam, especially if the subject group contains at least one subject from your final semester!

Valid from 01 September 2024

Ferenc Forányi

Senior instructor, lecturer

Questions/Topics

1. Introduce the main features and characteristics of Top-Down & Bottom-Up design methods in the field of engineering!

2. Describe the relationship between the method of the concurrent engineering and the technique of the Top-Down design!

3. Describe the advantages of the feature based parametric design considering the development of product families!

4. Introduce the Virtual Prototyping process describing DMU in nowadays engineering challenges!

5. Introduce specific functions in PDM&PLM systems which support the engineering teamwork!

6. Explain the two main methods of building of mechanism models in the CAD systems!

7. Explain the information distribution among the different level of realization of design in case of the Top-Down method!