

Report format requirements Electric and Electronics 2

1. General requirements

- a cover sheet with the name of the subject, the name of the student taking the measurement, the Neptun code, and the date of the measurement;
- on the next page: a brief description of the measurement, and goals, listing the instruments and input data to be used;
- **Do not supplement the measurement instructions, make a self-created document! USE THE TEMPLATE!**
- the equations must be numbered on the right-hand side of the sheet;
- equations must be created using an editor (**image format not accepted**) or hand-written on paper and photographed!
- the simulation diagrams and the axes must be readable;
- the file name of the report must be the following structure: Surname of each member of the group _ measurement number. pdf, Example: Horváth_Csizmadia_meas1.pdf
- Accepted formats: pdf

2. Detailed content

1. First measurement

No report is required.

2. Second measurement (Transformer)

For all four measurements:

- ratios of turns and voltages (in equation form);
- oscilloscope images in digital form.
- Each calculated result must be itemised separately, one by one, as an equation!

3. Third (Synchronous motor)

- table of the first measurement results (motor type, number of pole pairs, excitation current)
- table of the second measurement results
- draw the frequency - speed and frequency - voltage diagrams. Correct use of axis labels, quantities, etc.
- Each calculated result must be itemised separately, one by one, as an equation!

4. Fourth (Asynchronous motor)

- Enter the following data that you read and calculated during the measurement: type of motor, pole pair of motor, nominal speed of the motor, measured frequency at nominal speed, slip of the motor
- table of the second measurement results
- Each calculated result must be itemised separately, one by one, as an equation!

5. Fifth (VFD)

No report is required.

Deadline for uploading: 24/11/2024

Anyone who has not been accepted the report or has an unjustified absence from the lab will have to repeat the semester!

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see later...

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