Thesis specialities of the BPROF training at the KJE (2023/2024)

Specialities expected in strict compliance with the current KJE thesis regulations:

The following set of expectations should be an important attribute in the context of the independent programming/system development/system design/etc. assignment behind/underlying the thesis:

* a real task (one that really affects the reality of the company/institution)
* there must be a real/potential client
* so that the result of the development has to pass a REAL/RANDAL use test (cf. daily use)
* rely on as many real test subjects as possible
* where e.g. the maximum load capacity / scalability of the system will be shown (not only one or two application tests will be needed to show positive results)
* or where a (potentially) real data set is generated that is already suitable for data mining analysis (and where such analysis is part of the development)
* the documentation of the system should be complete as an annex to the thesis (e.g. design, development, testing, value-added information analysis, audio film/tutorial on operation, etc.)
* if possible, a fully public mode of operation of the system should be ensured before and after the thesis (e.g. live/installable/archive version of miau.my-x.hu)
* the system should, if possible, be able to cover the knowledge of all subjects, i.e. the work itself should be able to provide evidence of the complex competence behind the diploma

Specialities of the thesis content:

* Mandatory subsections in the literature section:
* in the literature section, a separate module (sub-chapter) is mandatory, within which the sub-chapters (cf. 24 elements of the list of items) of each subject studied should be described in relation to the thesis, with examples as detailed as possible
* the supporting role of the chatGPT in relation to the writing of the thesis should be clarified in detail with examples in another separate module in the literature section
* the classic content of the literature section is, in addition to the two extra modules above, the exploration of historical, benchmarking layers according to the structure prescribed above: i.e. what others say about similar challenges in HU and e.g. EN languages (2) in older and very recent publications (2), with and without KJE link (2), in papers published by well-known publishers vs. other professional/company/manufacturer/developer/public e.g. portals (2), i.e. 2\*2\*2\*2=min. Min. of 16 types of literature (min. 1-1 item required
* Required annexes: list of abbreviations, list of figures, list of tables (Recommended annex: list of definitions)
* Mandatory for all figures/tables: the unit of measurement of each figure/table must be given around each data item, each row/column header must be given in each tabular structure
* Mandatory minimum condition: no automatically detected spelling errors in the submitted paper
* A subsection on the structure of the essay is required in the introduction: e.g. why is what in this order, in this way, in this proportion, elaborated in the essay? Or: What is not part of the essay and why (e.g. for reasons of space)?
* Is it necessary/obligatory to have a help for the development of the software (in the form of an annex or a situation-sensitive solution integrated in the software)?
* Relevant (mandatory) keywords for any development: usefulness, information added value, risk, quality assurance, GDPR, warranty, liability
* For each thesis, a separate sub-chapter/appendix should cover the development details for the chosen specialisation
* An abstract should be prepared for each thesis: title, problems, objectives, target groups, usefulness, tasks, solutions - in Hungarian and English