

SUPERVISOR'S EVALUATION OF THE MASTER'S THESIS

Student: Muhammad Tahir

Supervisor: Luis Antonio Beltrán Prieto

Study program: **Information Technologies**
Study course/Specialization: **Software Engineering**
Academic year: **2023/2024**

Master's Thesis topic: **Development of an OPC-UA Client for PLC Monitoring and Control**

Evaluation:

| | A | B | C | D | E | F |
|---|---|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| | Evaluation: A – Best; F - Unsatisfactory | | | | | |
| 1. Fulfilment of all points of the assignment | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Suitability of chosen resolution methods | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Division of work (chapters, subchapters, paragraphs) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 4. Working with literature and citations | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 5. Level of linguistic elaboration | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 6. Formal level of work | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 7. Theoretical part elaboration quality | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 8. Practical part elaboration quality | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 9. Achieved results of the work | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 10. Contribution of the thesis and its exploitation | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 11. Cooperation of thesis author with the supervisor | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Result of the plagiarism test:

The work was assessed in terms of plagiarism with the result 3% identity. Work is not plagiarism.

Overall evaluation of the thesis:

The resulting mark is not the average of all of the abovementioned evaluations. The mark is awarded by the thesis supervisor according to their deliberations and the ECTS classification scale:

A – Excellent, B – Very good, C – Good, D – Satisfactory, E – Sufficient, F – Insufficient.
Grade F also means “I do not recommend this thesis for defence.”

I recommend this diploma thesis for its defence and suggest the following evaluation:

A - Excellent.


In the case of an “F – Insufficient” grade, provide comments and the shortages of the thesis and the reasons for this assessment.

Other comments, shortages, suggestions and questions for the thesis defence

Question 1. Is compatibility ensured with different PLC models and brands?

Question 2. What challenges were encountered during the integration phase, and how were they addressed?

Date: 29.8.2024


Thesis Supervisor's Signature: