

## SUPERVISOR'S EVALUATION OF THE BACHELOR'S THESIS

**Student:** Abhishek Singh

**Supervisor:** Ing. Jakub Novák, PhD.

**Study program:** Applied Informatics in Industrial Automation

**Specialization:** Intelligent Systems with Robots

**Academic year:** 2024/2025

**Bachelor's Thesis topic:** Camera and robot calibration

### Evaluation:

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

**C - Good.**

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

Some figures are missing or labeled with placeholders (e.g., “[Insert Diagram]”), which were not replaced. There are inconsistencies between figure references in the text and the actual list of figures. Equations have different formatting.

The thesis is limited to the eye-on-base configuration. Other options, such as eye-in-hand or multi-camera systems, are not explored, which could have enriched the analysis.

The thesis addresses a practical and relevant problem and demonstrates the author's ability to connect theoretical knowledge with practical implementation.

Date: 29.05.2025

Thesis Supervisor's Signature: