

## OPPONENT'S ASSESSMENT ON DIPLOMA THESIS

**Student's name and surname:** Hari Shankar Venkataraman

**Name of the diploma thesis:** Creating an Algorithm for AGV Control

**Supervisor of the thesis:** Ing. Petr Keller, Ph.D.

**Opponent:** Ing. Jiří Mačenka

### 1. Diploma thesis evaluation

| Evaluation   | excellent | excellent minus | very good | very good minus | good | failed |
|--|-----------|-----------------|-----------|-----------------|------|--------|
| Meeting the goal and fulfilling task of the thesis             |           |                 | X         |                 |      |        |
| Quality of conducted survey                                    |           |                 |           |                 | X    |        |
| Methodology of solutions                                       |           |                 |           | X               |      |        |
| Expert level of the thesis                                     |           |                 |           |                 | X    |        |
| Merit of the thesis and its potential applicability of results |           |                 |           | X               |      |        |
| Formal and graphic level of the thesis                         |           |                 | X         |                 |      |        |
| Student's personal approach                                    |           |                 |           |                 |      |        |

Mark x in the corresponding box.

Supervisor's final evaluation is based on his/her overall subjective evaluation.

Grading is stated literally in the article no. 5, neither by a number, nor by a letter.

### 2. Comments and remarks on diploma thesis:

In the brief theoretical introduction, the reader does not learn much about current AGV solutions, and the possibilities of tracking control. This section might have helped the author of this thesis to reach his goal faster in his search for a suitable track tracking solution.

I was expecting a more revolutionary solution at a time when tape tracking systems are becoming obsolete in AGV control.

However, the author implemented his solution in practice and thus confirmed his practical mastery of the task along with his knowledge of working with a microcontroller.

### 3. Questions about diploma thesis:

When you were writing your thesis, did you consider what other possibilities AGV tape management could offer? Can you think of other uses for decision marking?

### 4. Opponent's statement whether the diploma thesis meets the academic title requirements and whether it is recommended for defense:

The thesis has met the requirements for an academic degree and I recommend the thesis for defense.



**5. Opponent's grading:**

GOOD

Date 29.5.2022, in Kosmonosy

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*Opponent's signature*

