The aim of this project is to meet Arduino development boards, its accessories, and shields. Part of the project was to design a vehicle to communicate with the other members of the smart factory with the help of Wi-Fi module. Author designed a system (vehicle) to control position (following line) by several sensors such as tracking sensor, color sensor, single position sensor.

In the work it is not accentuated which part author create by himself and which part is theoretical describing. Topic is actual. The presented work has a structure usual for diploma’s theses, the text is comprehensible and is completed by list of tables, figures and references.

Author demonstrated good theoretical knowledge and skill for creative engineering work. The aim of the work was fulfilled.

I would especially like to say:
• The source code for the Smart Factory Vehicle would be more appropriate as an attachment diploma thesis.

Additional queries:
• What is the reliability of used sensors?

Work meets the Master degree requirements and therefore I recommend it for defense.
I suggest to classify this work by grade: **good**.

In Liberec on: 28.5.2018

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DencoHappel CZ a.s.