



Department of Manufacturing Systems and Automation

DIPLOMA THESIS EVALUATION

Author name: Vaira Prakash Muthu Mariappan
 Thesis title: Vehicle for Smart Factory Model with Principle of Industry 4.0
 Controlled by Arduino
 Opponent name: Ing. Martin Zahálka
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Evaluation aspects of the diploma thesis	Classification			
	Excellent	Very good	Good	Failed
Fulfillment of Thesis tasks	X			
Results elaboration		X		
Applicability in practice			X	
Students own contribution			X	
Conceptual approach			X	
Formal quality	X			

The aim of this project is meet Arduino development boards, its accesories and shields. Part of the projekt was construct a vehicle for smart factory model controlled by Arduino which is able to transport small subjects. Author designed a system (vehicle) to control position and equip it with appropriate sensors.

In the work is not accentuate 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 index, list of used pictures, tables, abbreviations, reference and attachments.

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

I would especially like to say:

- It would be a more detailed description of the methods and the evaluation of the control signal.

Additional queries:

- What is the reliability of ultrasonic sensor to measuring distance?

Work meets the Master degree requirements and therefore I recommend it for defense.

I suggest to classify this work by grade: **good**.

In Liberci on: 5.6.2017


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