

Review of Bachelor's Thesis

Student: Plaček Dan
Title: Indoor Detection of People Based on Vital Sign Sensing (id 23221)
Reviewer: Heidari Mona, DITS FIT BUT

- 1. Assignment complexity** **average assignment**
The work deals with the usage of radars in the detection of people based on vital sign sensing (respiration rate and heart rate). To get satisfactory results the advanced radar technologies have been used due to the sufficient resolution for detection objects.
The outline of this work can be used for future development. I find the assignment as more difficult for a bachelor thesis.
- 2. Completeness of assignment requirements** **assignment fulfilled**
All the requirements are met.
- 3. Length of technical report** **in usual extent**
- 4. Presentation level of technical report** **90 p. (A)**
The thesis is very well written. The related theory is very informative that makes it easy to follow the work and understand it very well by readers. Also the chapters are very well organized.
The specific fields of study is presented very well at first then followed up to the methods and solutions to detect people via sign sensing.
- 5. Formal aspects of technical report** **85 p. (B)**
All the basic, necessities and the requirements to comprehend the thesis are fulfilled.
Images, tables and graphs are used properly and very well explained.
- 6. Literature usage** **85 p. (B)**
The theoretical base for this thesis is pretty much covered. All relevant materials and sources are employed and the bibliography contains a range of good sources.
- 7. Implementation results** **90 p. (A)**
The implemented application is a high quality one, therefore the resulted solution is very usable. The GUI is tested and it works satisfactory.
- 8. Utilizability of results**
The experimental results are useful and very promising.
- 9. Questions for defence**
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- 10. Total assessment** **90 p. excellent (A)**
The work is a very high quality bachelor thesis that is very good and functional for follow up research. The theoretical and technical quality of the thesis is also very good. The specification of the work is almost fulfilled.
Overall I evaluate this work as **A (90)**.

In Brno 19 August 2020

Heidari Mona
reviewer