

## Supervisor assessment of Master's Thesis

**Student:** Grzybowska Martina, Bc.

**Title:** Human Mo-cap System Based on Inertial Measurement Units (id 20602)

**Supervisor:** Dražanský Martin, prof. Ing., Dipl.-Ing., Ph.D., DITS FIT BUT

### 1. Assignment comments

I find the assignment of this diploma thesis to be very demanding, as it combines the design and construction of hardware components and the corresponding firmware, while the software is also an important part of the whole project. The work builds on the previous activities of the STRaDe group in the field of biometric recognition of a person's movements. The work not only fulfilled the assignment, but I would even say that the solution meets more than expected, as Ms. Grzybowska undertook the entire design, construction and implementation in an incredibly thorough elaboration.

### 2. Literature usage

The student respected the supervisor's recommendations regarding the literature, but found the vast majority of study sources on her own. All listed study sources are up-to-date and relevant to the work.

### 3. Assignment activity, consultation, communication

Ms. Grzybowska was very active and independent from the beginning of the solution. Several consultations took place, always upon request. The student was well prepared for all consultations and thus the course was very technical and to the extent of the work. She always adhered to the agreed deadlines.

### 4. Assignment finalisation

The work was completed very in advance and its final content was thoroughly consulted.

### 5. Publications, awards

I do not know of any publications or awards. However, I recommend presenting the result in the form of a conference paper and video sharing.

### 6. Total assessment

**excellent (A)**

The student demonstrated an exemplary approach to solving the problem of her diploma thesis - she worked actively, independently, consulted on request, completed the work in advance and consulted its final form with me. For these reasons, I rate the work with the grade **A (excellent)**.

In Brno 31 May 2021

Dražanský Martin, prof. Ing., Dipl.-Ing., Ph.D.  
supervisor