Supervisor assessment of Master's Thesis

Student: Bak Adam, Bc.
Title: Simulation of Skin Diseases Effect Using GAN (id 24097)
Supervisor: Kanich Ondřej, Ing., Ph.D., DITS FIT BUT

1. **Assignment comments**
   I consider the assignment of this master's thesis as fairly difficult. The goal is to generate synthetic fingerprint with skin diseases using GAN neural nets. There are few studies on generating the fingerprints using GAN and no publication about generation of fingerprint with skin disease. The work follows up current research of the STRaDe research group in the field of synthetic fingerprint generation. Student completely fulfilled the assignment and I am very satisfied with the results.
2. **Literature usage**
   Student followed the supervisor's recommendations and found other sources of study on his own. All sources are relevant and their use is correct.
3. **Assignment activity, consultation, communication**
   There were not much activity from the student, on the few occasions that we consulted he was prepared. Overall there were only several consultation about the work. Student even ignored some of the milestone reports.
4. **Assignment finalisation**
   I acquainted myself with the work after the submission. So I did not go through the final work at all.
5. **Publications, awards**
   I am not aware of any awards or the student's publishing activities. Because of the promising results and usage of unique database I would strongly recommended publication of the work.
6. **Total assessment** **good (C)**
   Student took on the difficult assignment of the thesis basically on his own. Despite that he was able to achieve very promising and quality results and above average text part of the work. On the other hand I as a supervisor should mainly evaluate the communication and cooperation with the student. In that regard it was terrible. Taking all that into account I am left only with the average evaluation - the grade **good (C)**.

In Brno 9 June 2021

Kanich Ondřej, Ing., Ph.D.
supervisor