

## Supervisor assessment of Bachelor's Thesis

**Student:** Holková Natália  
**Title:** Horizon Detection in Image (id 23282)  
**Supervisor:** Juránek Roman, Ing., Ph.D., DCGM FIT BUT

### 1. Assignment comments

The thesis deals with estimation of horizon line in the image. While this can be relatively easily solved for images with detectable lines (like urban scenes with buildings), in images with prevalent nature/landscape elements this task becomes hard and largely unsolved by current approaches. The task for the student was to summarize current methods and experiment with them.

### 2. Literature usage

The student used mainly recommended research papers.

### 3. Assignment activity, consultation, communication

The main topic on consultations were data management, neural network training and result summarization. We had a few consultations on the beginning of the winter term. Then, in between November and March, the work did not move on. On the last few consultations (March/April) the student still struggled with training and the results did not look very good.

### 4. Assignment finalisation

I have seen only a draft of the thesis during a consultation (mid April) from then on the student did not show up on the consultations nor responded to my emails. From what I saw I did not expect her to finish the thesis.

### 5. Publications, awards

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### 6. Total assessment

**good (C)**

The activity of the student was limited to tasks we set during the consultations. The work did not move on very well though.

In Brno 3 June 2021

Juránek Roman, Ing., Ph.D.  
supervisor