

## Supervisor assessment of Master's Thesis

**Student:** Kozák David, Bc.

**Title:** Indexing of Big Text Data and Searching in the Indexed Data (id 22961)

**Supervisor:** Dytrych Jaroslav, Ing., Ph.D., DCGM FIT BUT

### 1. Assignment comments

The assignment was extremely demanding because it required the study of a number of complex tools, the design of a new query language and its processing, and the design and implementation of a complex distributed system. I am very satisfied with the achieved results - the student achieved all the set goals and created an extensive functional and sustainable solution with several non-trivial extensions such as monitoring infrastructure and maintenance system with a web interface.

### 2. Literature usage

The student independently, actively searched for the relevant literature and electronic sources. He also used a number of current scientific papers.

### 3. Assignment activity, consultation, communication

The student started with the solution already in April 2019 and worked conscientiously and on his own throughout the whole time. He was actively solving the given problems and consulting the ambiguities and the achieved results. From August 2019 (with the exception of the state of emergency), he worked in person in the office of the Knowledge Technology Research Group together with the doctoral study students researching related topics. The student showed highly above-average activity throughout the whole period. He went to all the consultations excellently prepared.

### 4. Assignment finalisation

The work was completed well in advance, its final content was properly consulted and all remarks were worked in.

### 5. Publications, awards

The student published the work at the student conference Excel@FIT 2020, where he received an award from an expert panel. I would like to recommend nominating the work for the IT SPY competition.

### 6. Total assessment

**excellent (A)**

The assignment was very demanding and was fulfilled in an above-average way with a number of non-trivial extensions. The student created an extensive distributed system for indexing semantically enriched data and searching in the indexed data with its own query language and infrastructure for the monitoring and maintenance. The work was published and awarded by an expert panel at the Excel@FIT conference. The student worked conscientiously, on his own and very actively for a long time and properly consulted the course of work and the achieved results. This is the best student I've ever met. I can't rate other way than with grade A (100 points).

In Brno 26 June 2020

Dytrych Jaroslav, Ing., Ph.D.  
supervisor