**FACULTY
OF INFORMATION
TECHNOLOGY
CTU IN PRAGUE**

Assignment of bachelor's thesis

Title:	Automatic poetic metre detection
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Study program:	Informatics
Branch / specialization:	Knowledge Engineering
Department:	Department of Applied Mathematics
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Instructions

This work aims to create a tool that would decide for a poem written in Czech what metre it is written in. This task can be divided into three steps:

1. Detection of (phonetic) syllable boundaries.
2. Deciding whether a given syllable is an accented or long syllable.
3. Assigning a metre to the given poem.

For each of these steps, perform a search for existing solutions and, if necessary, try to find a solution via machine learning using the dataset [1]. Compare the resulting models with existing tools and evaluate their performance.

[1] Plecháč, Petr – Ibrahim, Robert (2013). Databáze českých meter. Praha: Ústav pro českou literaturu AV ČR.

Electronically approved by Ing. Karel Klouda, Ph.D. on 26 January 2022 in Prague.