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| **Title:** | Search Engine Project |
| **Type:** | Bachelor Project |
| **Student(s) (name + number):** | Jonathan Højlev, s194684 and Frederikke Uldahl, s204112 |
| **Advisor(s):** | Inge Li Gørtz and Philip Bille |
| **ETCS:** | 15 |
| **Evaluation** | 7 point scale |
| **Period:** | 30.01.2023 - 05.06.2023 (18 weeks) |

## Project Description

The overall goal of this project is to develop a scalable, high performance search engine. The main focus is on the algorithmic challenges in compactly representing a large data-set while supporting fast searches on it.

The project consists of a basic part and an advanced part (see webpage for the project). The basic part corresponds to at approximately 3 ECTS.

## Teaching Goals

* Implement relevant data structures and algorithms.
* Analyze and evaluate the efficiency of the solutions from a theoretical and practical perspective, using both theoretical asymptotic analysis and empirical analysis.
* Document key relevant aspects of the work in a concise manner.