



## Phase A

### Project Overview

The goal of the project is to build a web application to detect plagiarism among the submissions of students enrolled into a course and provide a report with a similarity score. We are using the *Java spring boot* to develop the web application, whose UI will be developed and handled using *React JS* and *Polymer*. This plagiarism detector application will be targeting to detect similarities between submissions in the programming language **python**.

### Tentative timeline

#### Week 1(02/04 - 02/10) - Week 4(02/25 - 03/03)

- User Management
  - Backend (Java, Spring boot) - 1 person
  - Front end (React JS, Polymer) - 2 people

#### Week 5(03/04 - 03/10) - Week 8(03/25 - 03/31)

- Implementation of the algorithm to detect plagiarism - 2 people
  - File to file comparison
  - Source code comparison
- Front end UI for different roles - 2 people

#### Week 9(04/01 - 04/07) - Week 10(04/08 - 04/14)

- Report generation - 3 people