**Project Problem statement**

**Automated Grading and Feedback Tool for Java**

The problem with current manual correction of java programming assignments is students are not getting their grades and the useful feedback in a timely manner. The instructors or teaching assistants need to put in a lot of effort and time in grading and testing them against various test cases. The current online system only involves online quizzes which are corrected automatically based on pre-defined test answers. When it comes to programming assignments, the files need to be uploaded by students and then the instructors or teaching assistants are required to download them and then to unzip the files and grade them manually which leads to a lot of time and effort consuming.