ABSTRACT
Collecting feedback from a few students after the exams has been the norm in educational institutions. Forms are given to students to assess the course the lecturer has taught. But this method has a lot of limitation e.g. for a class of 100 students only 5 students’ feedbacks are collected this does not cover for the whole class. The main purpose of developing student opinion mining system is to create a faster and easier method of collecting feedback from students, and also give lecturers and school administrators an easier way of analyzing the feedback collected from students. One of the advantages of the application is the level of anonymity and confidentiality it gives students. Student opinion mining System is a web-based application, that provides an automated process for feedback collection and analysis. The major tools used in developing this application are Python, Scikit learn, Textblob, Pandas and SQLite. Python is the programming language that was used and PyCharm is the Integrated Development Environment (IDE) where the python code was typed. Django provides an in-built server that allows the application to run on the localhost. Then Django handles the user’s request to the application, SQLite is the database where data inputted by the users was stored, and from which response will be pulled from according to the request of the user. In this project dataset gotten from online feedback form distributed to students was used for the sentiment analysis, Chi-square was used for feature selection and the support vector machine algorithm was used for sentiment classification. The application will help the university administrators and lecturers to identify the strengths and weaknesses of the lecturer based on the textual evaluation made by the students. The application provides graphical representation of the evaluation result in bar chart with the percentage of positive, negative and neutral feedback of the students.