**Implementation And Testing**

During the implementation phase a record of 200 hundred students is collected. The data set is divided into parts first is training and the second is testing. 80% of the data set is used for tanning and the remaining 20% is used for testing. The tanning set is used to train the model and the testing set is used to test the accuracy of the model that we have trained. The algorithm that we will be using in this project is Support Vector Machine (SVM) because it has the highest accuracy (81.82%) among other classification techniques.

Support Vector Machine(SVM) is supervised machine learning algorithm that can be used for both regression and classification purpose. The programming skills such as Html and Css will be used to build this project and the tool or IDE that we will be using for writing codes will be PyCharm.

In Order to predict the performance of the student the faculty/teacher has to import following fields listed below :

1. Gender
2. Name
3. Unique id
4. Class
5. Marks obtained in particular subjects
6. Overall percentage

Once these values are Imported than our system will be able to predict the performance of the student.