**IMPLEMENTATION:**

**MODULES:**

* **Student**
* **Teacher**
* **Admin**
* **Data Preprocess**
* **Machine learning**

**MODULES DESCRIPTION:**

**Student:**

The User can register the first. While registering he required a valid user email and mobile for further communications. Once the user register then admin can activate the customer. Once admin activated the customer then user can login into our system. In the programmatically.

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**Teacher:**

The Teacher can register the first. While registering he required a valid user email and mobile for further communications. Once the Teacher register then admin can activate the Teacher. Once admin activated the Teacher then Teacher can login into our system. Teacher will provide students score and performance details .it will add into datasets.

**Admin:**

Admin can login with his credentials. Once he login he can activate the users. The activated user only login in our applications. The admin can set the training and testing data for the project dynamically to the code. By clicking decision tree will get accuracy and prediction and also evaluation parameters data. By clicking naive bayies will get results of student performance prediction and evolution parameters

**Data Preprocess:**

The admin provided data has been stored in the SQLite database. To process our methodology, we need to perform data cleaning process. By using panda’s data frame, we can fill the missing values with its mean type. Once data cleaned the data will be displayed on the browser.

**Machine learning**:

Based on the split criterion, the cleansed data is split into 60% training and 40% test, then the dataset is subjected to five machine learning classifiers such as, navie bayies , Decision Tree (DT), The accuracy of the classifiers was calculated using the confusion matrix. The classifier which bags up the highest accuracy could be determined as the best classifier. For arch algorithm confusion matrix roc curve and accuracy has been calculated and displayed in my results: