**Week-1 Progress**

**Shanmukha Sai Rayapati (installed anaconda and library required for the project)**

**Anil Pavuluru (GitHub document writing, Architecture design model and pushed the document in the main branch)**

**Ajay Patwari (installed anaconda and library required for the project)**

**Yashwanth Ranjith Macha (installed MySQL)**

**Project Abstract**:

In this, we mainly focus on the analysis of the students’ performance in academics not only external exams, but also the overall academic performance of each student. We segregate and calculate the performance of students using data. We then predict the performance of the students who are going to pass and fail based on previous result and the predicted marks of a student using algorithm namely Linear Regression and SVM algorithm. In this project, we mainly focus on the analysis of the students’ performance and then predict the results through them using training data and then test data of academics not only external exams, but also the overall academic performance of each student.

**Features (implementation)**

Yes, on the front end there will be a user interface by using the URL, we can login by giving mail id and password. In the dashboard we are providing the hierarchy Admin, Student, and faculty.

Admin has the permission to add students and faculties, so faculty see the student’s name and enter marks whereas student can see the marks and he can know his performance. In backend algorithm calculation is done by using svm and linear algorithm.

Front end user interface: Django with CSS, HTML and JavaScript

Backend: svm and linear algorithm, by using MySQL we are creating our own dataset with .csp extension file

**Note**: it works for different files also but it should have same structure of .csp extension file

**Tools installation:**

**Anaconda** 3.8 is installed Ajay Patwari and Shanmukh Sai Rayapati he guided the members for installation in every one personal laptop

For Django installation pip install Django

To check the version Django-admin –version

For MySQL client installation pip install MySQL client

We have MySQL server then no need because already we installed, and it creates ports complications

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated with medium confidence

MySQL is installed by Yashwanth Ranjith Macha**,** and he guided the members for installation in everyone personal laptop

Graphical user interface, text, application

Description automatically generated

**GitHub** Repository is created by Anil Pavuluru and invited group members, professor and TA and document is pushed.

**Architecture** is drawn by Anil Pavuluru to understand the model

Diagram

Description automatically generated

We Divided the work into two separate pieces front end is designed by three members (Anil, Yashwanth, shanmukh) and one person algorithm analysis (Ajay)

Every Person in the group developing the code and review the code of other person code and helps to find the bugs and errors. while merging in first phase two persons will take care of one half and vice versa like that we will merges all four person’s developed code.

We will write test cases manually in excel sheet. what are Primary things we need to test and keep in mind while writing the code??

Anil Pavuluru I am going to write the automation script for our website url launch, login id and password using selenium with java.