Graphic Era deemed to be University
DEHRADUN

PROJECT AND TEAM INFORMATION

Project Title

Smart Notes sharing

Student/Team Information

Team Name: Team # (Mentor needs to assign)	
Team member 1 (Team Lead) Aekank Aman: 23131020: neverde616@gmail.com	
Team member 2 Aditya Thakur:	

Team member 2 Kavya Singhal:	

PROJECT PROGRESS DESCRIPTION (35 pts)

Project Abstract (2 pts)

(Brief restatement of your project's main goal. Max 300 words).

The main goal of this project is to design a system capable of sharing notes between students, staff etc. This system will integrate artificial intelligence models to generate a summary of the uploaded notes. This feature will help students check the contents of notes without spending time to go through the whole documents.

Updated Project Approach and Architecture (2 pts)

(Describe your current approach, including system design, communication protocols, libraries used, etc. Max 300 words).

The front end and backend will be built using Nodejs and HTML, CSS. The database used for storing the relevant data is postgreSQL. The system will provide its services using a web-based application. The AI models will be coded in python and designed using python libraries like skLearn and Tensorflow. The selection of one of the AI models will be based on the performance exhibited by it in the later part of project.

Tasks Completed (7 pts)

(Describe the main tasks that have been assigned and already completed. Max 250 words).

Task Completed	Team Member
Frontend using HTML, CSS Defining structure for training AI models Setting up database suitable for storing login information	Kavya Singhal Aekank Aman Aditya Thakur

Challenges/Roadblocks (7 pts)

(Describe the challenges that you have faced or are facing so far and how you plan to solve them. Max 300 words).

The biggest potential challenge in the process of making this project is good quality training data for training the AI model. Making the output of the AI according to the requirements is one of the most crucial parts of the project. Also, the pipeline to be setup for getting the data from the server to the AI model needs to be quick and efficient enough to be practical

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Tasks Pending (7 pts)

(Describe the main tasks that you still need to complete. Max 250 words).

Task Pending	Team Member (to complete the task)
Database and basic backend features Login and authentication features Designing dashboard Systems for validating inputs, hashing stored passwords Collecting datasets for training and testing the models Training AI models and evaluation Setting up data pipelines between AI model and the web application	Aditya Thakur Kavya Singhal Aditya Thakur Aditya Thakur Aekank Aman Aekank Aman Aekank Aman

Project Outcome/Deliverables (2 pts)

(Describe what are the key outcomes / deliverables of the project. Max 200 words).

This project will deliver a web application with login and authentication systems, where the user with registered account will be able to upload their notes with the intent of giving access to other people. The system will generate a summary of the program using the prior discussed AI models, which will then be listed alongside the notes for users to overview before downloadi

Progress Overview (2 pts)

(Summarize how much of the project is done, what's behind schedule, what's ahead of schedule. Max 200 words.)

The basic structure including NodeJS, expressJs and other essential packages were installed in the environment. Templates for dynamically serving data are also in place, also the structure of the webpage has been finalized. The login and upload database has been setup using postgresql pgAdmin4 tool, the logic for logged in and logged out users have also been set up. The dataset for training the relevant AI model has also been arranged partially and we are trying to find other sources of data.

Codebase Information (2 pts)

(Repository link, branch, and information about important commits.)

https://github.com/godsneverdie/SmartNoteShare

Testing and Validation Status (2 pts)
(Provide information about any tests conducted)

Test Type	*Status (Pass/Fail)*	*Notes*
1. Unit testing (Working of registration and login off new and existing user)	Pass	The login and registration system works throughout the process.
2. Unit testing (working of upload files database)	Pass	The system of uploading notes works as intended.
3. Integration testing (Interactivity of different modules on the website for different users based on their login status.)	pass	The systems for restricting not logged in user works as intended by not allowing them to upload and download contents.

Deliverables Progress (2 pts)

(Summarize the status of all key project deliverables mentioned earlier. Indicate whether each deliverable is completed, in progress, or pending.)

- The database for user registration and file records has been created using PostgreSQL.
- The database can be accessed using the website and the records in relevant tables can be CRUD.
- The dataset needed to train the AI model has been collected.
- NodeJS server has been set up and ExpressJS is used to serve dynamic content to the browser client.