Team E6 Deathly Hallows

Team members:

ID	Name	Name(in team)
170040263	G Jaswanth	DH_Voldemort
170040320	J V N D S R Prasad	DH_Harry Potter
170040350	K Sai Sumanth	DH_Horcrux
170040351	K V Sai Teja	DH_Severus Snape
170040818	Sowmyasri D	DH_Ginny
170040973	Yamini Sri Kolluru	DH_Luna Lovegood
170040983	Y V N Ruthvik	DH_Elder wand
170040990	Nishitha Yerramsetty	DH_Neville
170040999	M Surya Teja	DH_Ron Weasly

Our Progress:

Initially, we started with '9 ideas' (one idea from each team member). We have discussions on them and finalized the 2 ideas among them to work on, considering the clarity and feasibility of the idea and based on polls.

1) **LocoTrackinator**
2) **Notes Organizing and Digitizing (WTP)**

We assigned tasks and listed down total tasks, workflow. Find that attachment here.

LocoTrackinator:- (have a look)

Helps users to track the location of a particular person.
"Reference KLU"
3 levels of users:

1) Students
2) Faculty
3) Management (HOD, Dean, etc)

Privileges:

- Students can track the location of faculty and management.
- Faculty can track the location of students and colleagues and management.
- Management can track all personas' location and can able to see some statistics.

Elevator Pitch
Value Proposition Canvas
Basic Wireframes (we'll update them later :)) 1,2,3,4
User Flow
User Stories

Notes Organizing and Digitizing:- (have a look)

Helps users to write their notes and store them in a smart way.
Basically it is for students.
Main idea: Students can able to write on writing pads (same as writing on paper with pen/pencil) and the notes are organized, digitized, and stored.
Reduces books load and reduces the need for recycling of paper.
We'll try to design software that can do organizing stuff eg: removing strike-off text, OCR, alignment, etc.
If possible we'll show a demo using a writing pad by installing this software in it. But, we'll show this using an app like CamScanner, MicrosoftOneNote.
Elevator Pitch
Value Proposition Canvas
User Stories

Work Flow:-

Divided into teams

Team A: Sowmya, Sumanth, Jaswanth - Mobile app development
Team B: Prasad, Teja, Ruthvik - Logic part (Hardware, Model building)
Team C: Surya, Nishitha, Yamini - Web development

Started with:
Team A - Android Studios, Firebase (Update in M1:T2: Flutter)
Team B - Databases, Python GUI
Team C - HTML, CSS, JS

Milestone split into ‘T’ Tasks/Checkpoints:
Some x weeks will be allocated for the completion of task T. (x- depends on the Task chosen)

Each T has some cycles->weeks (1 week = 1 cycle)
Every Team has to project their progress in front of the team.
So that they will definitely make some progress and get a good grip on it if they project their work, every person in the team will learn something new related to other fields.

Milestone 1: Designing a Basic App - Front end

- Designing 3 different pages/UI's for 3 different levels of users
- Home page->Login page->lands User Specific page (based on the type of user-student,faculty,management)

Milestone 2: Designing a proper working app with Integration with Database

1. Checking login credentials and based on that user will land into a specific page (for student-student..etc)
2. We'll maintain a database with login credentials (will provide to users).
    a. No registration page (for security purpose, if we have a registration page users from other communities (other than KLU) may use that).
    b. So, only the login page and user ID based on unique KLU ID, and users allowed to change their password.
3. On the user page, they can see a search box in that they can search for users(based on their privileges) Search box like Dropbox.
4. For time being we'll generate a random location and send it to the database and ensure that the data is updating instantly in the app (since the Hardware part is not completed).

Milestone 3: Designing an app for Notes Organizing

- Design a basic app that will take pile of pages (notes) and stores in the database.

Milestone 4: Implementing Hardware for LocoTrackinator and Model building for Notes Organizing

Milestone 5: Integrating all the work done

Milestone 6: Deploying and Testing

Milestone1:

T1: Intros, Basics

Cycle	Team name	What is covered in this presentation	What can be expected in the next presentation
1	A	● Basics of android Studio ● Files Arrangement ● Android Studio Terminology	● Page Designing. ● Uploading Image on Page. ● Working of widgets in Android Studio
	B	➢ What, Why Database ➢ Database vs Cloud vs Datascience ➢ SQL vs No SQL ➢ MongoDB intro (Atlas, Mongoshell)	➢ Tutorial on MongoDB setup ➢ Importing data ➢ Connecting with Atlas cloud ➢ Basic operations
	C	★ Basics of HTML	★ Usage of different tags ★ Designing of sample webpage
2	A	● Basic Introduction on Activity, Layout, Drawable, AndroidManifest. ● How to Place A button, Images in Front End. ● Simple Introduction on ButtonOnClick.	● Working on TextView,EditText,etc. ● Basic Login Page Creation. ● To create User Permissions in AndroidManifest. ● Some basic tutorials on ProgressBar and Shared Preferences.
	B	➢ MongoDB setup ➢ Creating free tier cluster account in Atlas Cloud- Database as a service ➢ Importing data from the local system into the cloud using mongo shell ➢ Visualizing data u; sing Compass	➢ Some basic queries using python scripts (connected to the cloud using pymongo) ➢ Machine Learning, Deep Learning intro (main focus-Convolutional Neural Networks)
	C	★ Discussed different types of tags and their usage ★ A basic web page from scratch and by using Boostrap	★ Adding styles using JS ★ Show how to link one web page to another webpage

Completed:
Database, Html, CSS basics.
Andriod app almost done using Andriod Studios with Firebase integration.
Pending:
Web pages linking and Image uploading in databases
Remarks:
Need to increase speed in Web development and database integration
Issues:
Andriod studios cover Android app users only, So need to build a mobile app compatible with all types of OS.
Next Tasks:
Team A will start working with Flutter.
Team B will try to use the Database efficiently and try to look for a way to build the app quickly (using Tkinter).
Team C will conclude designing all web pages and start linking them

T2: Concluding basics with some tutorials, Completing the above tasks assigned