**TECHING**

Team Id: IHF109

Introduction:

In modern days the urge for problem solving, interest in projects and yearning to learn new technology has been grown enormously. This application comes under the theme **“Sustainability”**. In Sustainability this project concentrates on the topic “Quality Education” which was referred by United Nations. This application is built for the welfare of the learners all over the world to connect with each other and learn new technologies and do projects together.

Objectives:

This application helps learners who have a good idea but not aware of how to proceed further, for those who don’t have a team to work on and those who wants to work on a hardware project but doesn’t have a knowledge of the best component to buy and where that can be bought affordably. And also if you are an industrial person and you are eager in knowing about the new ideas in the young minds, you can put it up to solve many of the industrial and real-time problems. This are the objectives of our applications, this application will fulfill all the above mentioned objectives.

About TECHING:

Firstly, the user need to register into the application with necessary details mentioned in the registration page. After the registration the user need to login into the application with the user Id and password registered.

Once the user logged in he will be able to use various features in the application. The various features and the working are explained below:

1. If the user wants to post his/her gist of the idea he can post it and this will be public to all

(Since they are only posting the gist the core of the project will be unrevealed).

2. If the user wants an idea and a team member to work with he can select the best topic and relevant topic to him and he can communicate with the owner of the topic in the application.

3. If the user has a complete idea and he/she wants to buy a component but don’t know which is the best and the most affordable product to buy he can search in the shop bar which is given in the application

4. In the search bar in the page the user can search the interested topic to see whether there is an ongoing project without teammates and he can work on it by contacting the owner of the idea through the app

5. The application will have a chat box in the bottom through which learners from different parts of the world can come together and discuss on the new trends in the educational field

Tools we used:

Android studio software was used to make the app. Java was used for programming the android studio. We used Xampp server and Mysql database. For connecting the frontend app to the server we used php language. We have also included a component aggregator which compares the similar components and we used machine learning for comparing the products. We also used HTML and javascript for creating the website.

Application Creation:

The Teching app is created with the help of the software android studio. We used the java language for coding. The app is connected to the xampp server which has mysql database. For connecting the database with the app we have used the php language. Php is used to connect the frontend app to the database. Through this app many people can connect in it and work collaboratively and also companies can also invest in the project. We also added a component aggregator which uses machine learning to isolate information related to the components and also compare the components with respect to some features. Unsupervised learning clustering algorithm is used to isolate and compare information about the similar components. The components aggregation design was done by the html language and javascript.

Future Scope:

This application enables students to demonstrate continuous learning and growth mindset. Students who have any ideas but don’t know how to implement it this is a great platform to on go with their ideas. From adopting new hard skills to exploring way to be more impactful team member. It also develops a soft skills like team player. It also helps us gain more experience and practical knowledge.

Conclusion:

To conclude with this application is a platform where it makes younger minds to

bloom with their ideas and this application provides a platform to nurture their ideas and come

out with flourishing colors in their life. It is also a platform for unemployed to engage their time

and improve their skills and improve their opportunity for getting employed.