

Let me introduce our team project, "Handiker"

Before explaining about our team project in detail, I'll explain the detail concept of our team.

Our team name is BF.

BF stands for the first letter of Barrier-Free and best friend. Barrier-Free is a campaign to eliminate physical obstacles and psychological barriers that affect the social lives of the socially disadvantaged, and our team decided to name the words that combine these two meanings to help the socially disadvantaged like close friends.

And the name of the project "handiker" is also meant to make something useful for students with disabilities.

our project is to create a web service for recruiting volunteers to help students with low hearing. Students with low hearing require subtitle services unlike ordinary students when they listen to online lectures and have a lot of difficulties when studying. so we decided to create a platform where classmate can voluntarily support them

Let me explain the reason why the team chose the topic and the goal of the project.

In face-to-face lectures, low-hearing students were able to understand the class through nonverbal expressions, but it became difficult after it was turned into an online classes. so we want to support

visual information such as subtitles for low-hearing students.

And there are two main objectives of the project.

1. supporting students who have trouble studying in online classes by making a feedback form to help understanding lectures
2. solving degraded learning ability due to covid blue through volunteer activities

I'll briefly explain the development plan and the tasks that need to be done to create the project.

Our team will use Esp32 as a web server for the platform and html, css, and JavaScript to create a web page.

There are four main things we will implement on the web page.

1. Volunteers can choose from a list of courses that require support.
2. The volunteer can be matched 1:1 with the low-hearing student.
3. Volunteers receive points that can be exchanged for goods in return for volunteer work.
(The exchangeable items are mainly school meal tickets and school souvenirs.)
4. low-hearing students can give feedback on the services they receive.

We divided this project development phase into five.

1. Collects statistical data on students with low hearing.

- (1. A survey of statistics on disabled students)

2. Consult with university officials about support budgets and systems

3. Design the interface for the web page

- (3. Web page Indesign)

4. Build a Web page system

5. The pilot operations and beta testing for web page

As you can see below the resouces required to create the project are

1. List of lectures requiring assistance

2. time table of the lectures that volunteer student have to attend

3. The Statistics of low-hearing University student (in Seoul City or Fukuoka) for user research

4. Volunteer students to make subtitle

Below is a link to open source cites for getting Statistics data

The benefits of carrying out this project are

By helping and studying together, we can improve academic ability and the quality of online class environment.

And we can solve Covid19 blue which is a Depression due to social isolation caused by covid-19.

Cafeterias and shops in the school will be vitalized by offering school-meal tickets and school souvenirs as exchange products.

Lastly Volunteers can grow up with a sense of accomplishment

Since the role-sharing of the project has not been decided yet, we plan to divide the project through individual capability analysis of each team member.

The obstacles to the project are three things.

1. since this project is run with the participation of volunteers, promotion is important to recruit them
2. We must decide whether the operation of the project should be profitable or non-profitable.
3. Subtitles for low-hearing students may cause problems with the copyright of the lecture

but in this case, supporting a service that connects some of each university' video upload platforms could solve this problem

This was the presentation about our project. Thx you for listening