**PROJECT IDEAS**

**Sami Mansoor Alavi**

**BESE-8B**

**209433**

**Problem 1**

Take the example of a person who does not engage in conversations with other people. By doing this, he fails to express his feelings. Some patients are advised bed reset 24/7 by their doctors. How will such people express their feelings and patients talk to their near ones?

* + **Solution:**

A chatting application can be made which will allow people to talk to anyone, one person at a time, connected to the same local area network by specifying the person’s name This will help people to express their feelings and also help the patients to talk to their near ones with ease. It will be simple and easy to use.

* + **Technologies:**

Ethernet / Wi-Fi, Android Device, Kivy Cross-platform Python Framework

**Problem 2**

Some people have a hard time eating the right kind of food. They might eat a lot of one type and get affected by the illnesses caused by deficiency of other types. Nowadays, most people are affected by obesity due to this reason. How can they save themselves from such illnesses?

* + **Solution:**

A food monitor application can be made which inputs the food intake of the user and calculates its calories. It also recommends the minimum exercise needed to consume those calories and also keeps track of them. It will also keep track of the body mass index.

* + **Technologies:**

Android Device, Kivy Cross-platform Python Framework

**Problem 3**

A person’s wallet contains many important things, including all his personal details, his ID card / student card, etc. That person is afraid that someone might snatch his wallet or he may lose it. How can someone go on with his normal life without worrying about it?

* + **Solution:**

A secure wallet application can be made which maintains the personal data of the user. It generates a random PIN, displays it to the user and encrypts all the data. It also asks a personal question if the key is lost and needs to be renewed. This safeguards the details of the user.

* + **Technologies:**

Android Device, Kivy Cross-platform Python Framework