**MiBeat Status Report**

Dear Kristian,

The team was focused to make a smart watch earlier but one members left the group leaving Kuljeet and Sahil behind. When everyone was planning for further proceedings; we were in a situation where we had no team and now no idea too.

Professor advised us to team up with the person who had no team last semester. There is a saying that where there is hope, there is life. The team got a new life when Anshul joined as its third member. After considering all the usability of the sensors available we decided to work on MiBEAT, a wearable technology.

In order to have new project working, we needed few new things including a pulse sensor, an Analogue to digital convertor and a Raspberry Pi Zero. Our budget till now has changed by margin of $126.

**Individual progress:**

Sahil Saini:As I took the responsibility of dealing with all the hardware components. I am responsible for assembling and mounting all the parts on Raspberry Pi. Connections between sensors and controllers will also be performed by me**.** After receiving raspberry pi, I soldered the headers to it so that rest of the components can be mounted on it. Then installed the NOOBS (its operating system) on it. I created and tested all the connections from raspberry pi to ADC and pulse sensor. This test was successful.

Kuljeet Singh: The documentation part for the MIBEAT is my responsibility. I have tried my best to complete work on time and in best way possible. Furthermore, I am researching the way to display readings stored on database to display on Charlieplex Led matrix. Right now I am working on our database, I have created its structure. Anshul will be helping me on it once he is finished with his app.

Anshul Sanan: I took the responsibility to develop the Android application. The app was already there but an update is required in order to meet the requirements of the new project. I changed some functions and activities in order to make app more optimal. A significant part of the app has been completed. I am now trying to change graphical user interface of our app. Once GUI is done I will be working with Kuljeet to setup the firebase database.

Sincerely,

The MiBeat team