

## Group 2

**Project Name:**

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**Key Words:** Blood-pressure measurement->collect data->send data to mobile app-> analyze the data-> give a general diagnosis

1. **Abstract:** Blood pressure related disease is one of the most severe and life risking diseases in United States. 29 million people in the US have diabetes, but more than 8 million of these people are unaware of their condition. We have recently recognized the the importance of the eHealth industry. eHealth empowers the patients themselves to take an active role in their own treatment. It is very time consuming and hard for regular working day people like our parents to go to hospital. For people like this, we decided to build an mobile application that can collect the data from the pressure machine via bluetooth and analyze the data in order to give final general diagnosis to give the user the sense of emergency of their health state. We will collect several blood pressure throughout the day to obtain more accurate pressure. From our app, we will answer couple of questions that could give us the better profile of the user and use those answers to correlate with the datas we've collected from the pressure machine for more accurate diagnosis. This machine is not to give actual medical diagnosis like doctors do,

but rather give people the idea of what their blood pressure means and what kind of disease they could possibly have.