-INTRODUCTION-

The heart is one of the most vital organs within the human body. It acts as a pump that circulates oxygen and nutrient carrying blood around the body in order to keep it functioning. The circulated blood also removes waste products generated from the body to the kidneys. When the body is exerted the rate at which the heart beats will vary proportional to the amount of effort being exerted. By detecting the voltage created by the beating of the heart, its rate can be easily observed and used for a number of health purposes.

-PROBLEM STATEMENT-

Now days, heart diseases are exceeds up to dangerous level which leads to death of human being. Monitoring of patient constantly is difficult or doctors are also unable to monitor particular patient for total working hours. In many critical conditions such as patient is located far away from hospital or also in case of old patient who suffering with heart disease and physical disorders, continuous monitoring of patient is not possible. This module deals with solving above problems. Module consist of heart rate sensor and temperature sensor which measures the heart rate and body temperature and sends SMS through Twillio to the registered patient for the preliminary precautions so that patient can be prevented from serious situation before reaching to the hospital. For temporary storage of the data, Arduino device used. For display the measured values of heart beat and body temperature, android apps is used.