Don Bosco Institute of Technology, Mumbai: 400070
Department of Electronics and Telecommunication Engineering
Academic Year: 2021–22, SE SEM IV

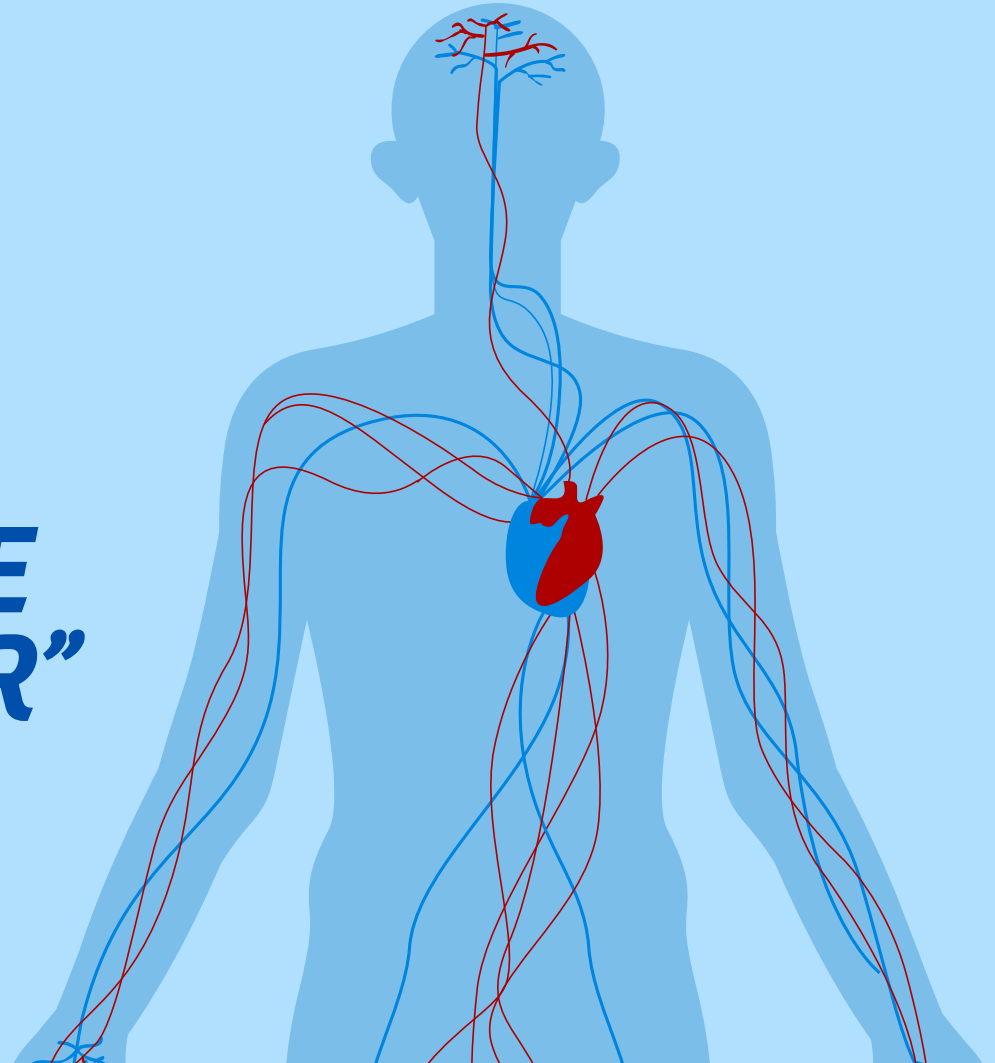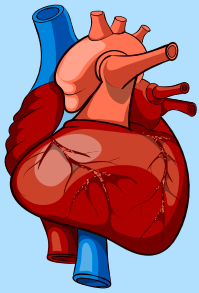## Project Title : *"Heartmate - the rescuer"*

GUIDED BY: Prof. JITHIN ISAAC

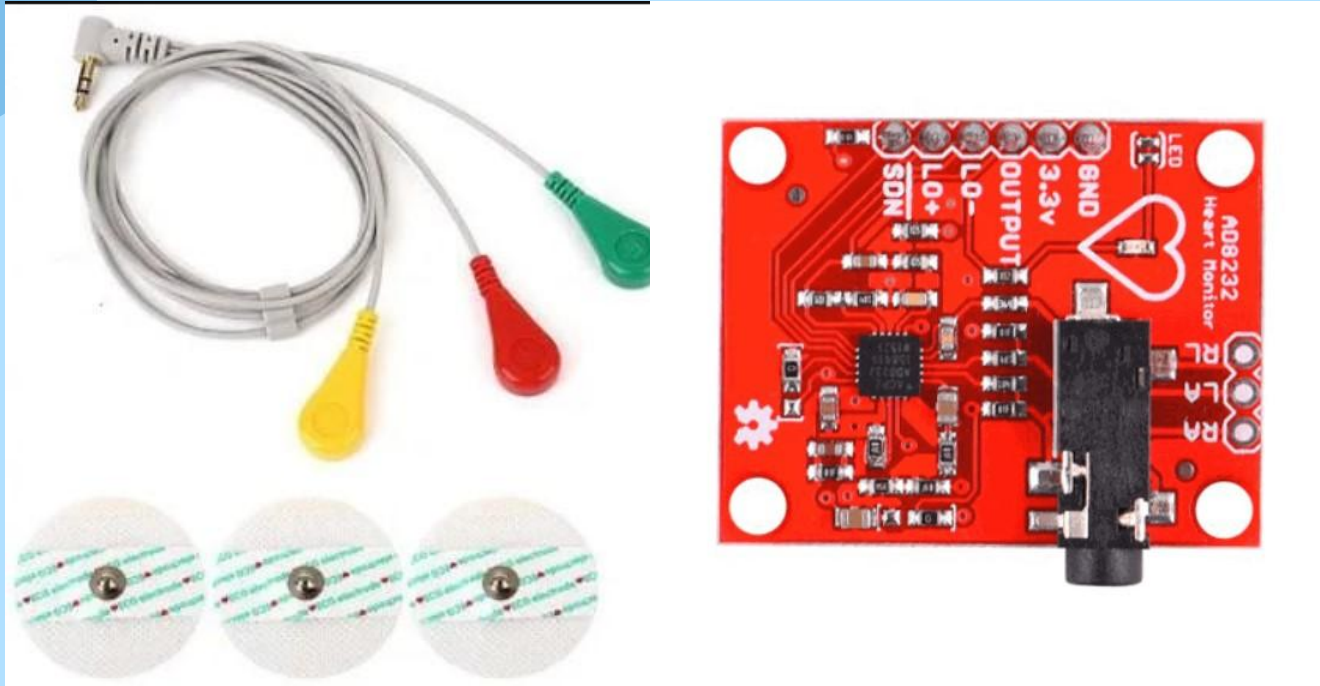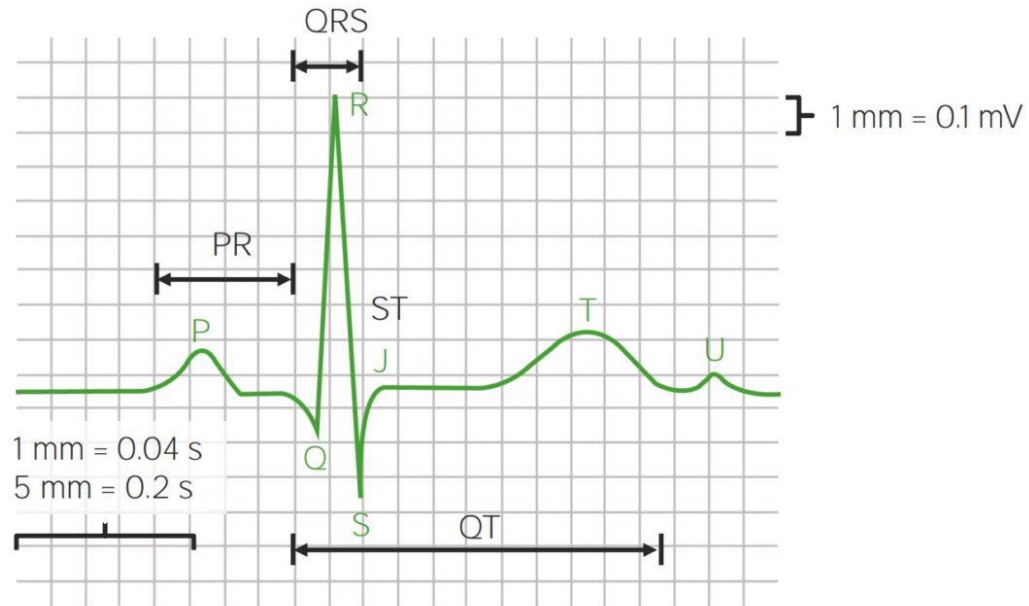| Roll No.	Team Members
	ADARSH RAO
10	GOURESH SANKHE
26	RAKSHITA KHANTWAL
44	UMER SHAIKH

"HEARTMATE
THE RESCUER"

HEARTMATE – THE RESCUER

PROJECT OBJECTIVE :

1. It can help detect whether the heart is beating irregularly / abnormally by providing graphical output.
2. Helps detect heart attack when supply of blood to the heart is suddenly blocked.
3. Easy to access household solution.
4. Solving a real life problem faced by many .

Sensor Used : AD8232

ECG GRAPH

Progress Seminar 1

Plotted graph from arduino ide

https://drive.google.com/drive/folders/1VpvDVHVCZNgy
Wpe8IFxqG59j70wZtu-8?usp=sharing

Progress Seminar 2

The output generated by arduino IDE was given
to the Python based server via serial port

https://drive.google.com/drive/folders/1VpvDVHVCZNg
yWpe8IFxqG59j70wZtu-8?usp=sharing

COMPONENTS USED

SR No	COMPONENTS USED
1	Sensor connector
2	Sensor AD8232
3	arduino
4	breadboard

PROJECT OUTCOMES

1. Basic knowledge about 'ECG' sensor - AD8232 was gained.

2. Used Arduino based code which gave commands to the sensor.

3. Another coding language Python was used to plot the graph .

4. All of the above were combined to get the results.

THANKYOU

Mini Project Sem-IV
Group 6
SE EXTC