

Better
Computation →

Cloud.

Project ECG ::

User input

CSV file
dat file.
mat file
preferable
via
CSV file.

over

processing
through
python
and
Matlab.

Features:-

1. Noise removal → PLI
→ Baseline Wander
→ random noise.
→ system noise.
2. Heart Rate
3. Heart Rate Variability
4. BP estimation
5. Heart related Disease detection.
6. Detection and prediction.

usability - portable, Accessible to Everyone.
of the project more friendly.

User Interface

Output

1. output filtered Graph
2. Compare following measurements.
 - a) Heart Rate ———— Abnormal / normal.
 - b) Heart Rate Variability ———— Abnormal / normal.
 - c) BP ———— normal.
3. detection.
 - a) Cardiac Arrhythmia.
 - b) ST-Segment change.
 - c) T-wave abnormalities.
 - d) electrolyte imbalance.
 - e) QT Interval.
 - f) Atrial Fibrillation (AFIB)
 - g) Ventricular Fibrillation (VFIB)
 - h) long QT Syndrome.
 - i) Short QT Syndrome.
4. Prediction of disease through ML & deep learning.
5. provide immediate Suggestion.