**AIM: Implement Mini Project**

**Topic: Health monitoring Dashboard**

**Abstract**

Now a days, during pandemic we have observed that monitoring health in these busy schedules is not possible. Mental stress and physical fitness are not maintained wisely. So it is very crucial to know your vitals perfectly. For a healthy body we need to monitor our various activities. So, for better understanding here we have developed dashboard for Health Monitoring.

Our Health Monitoring Dashboard Analyses data collected from smart watch wherein we have various parameters like SpO2 and Heart Readings, Environment Temperature, Calories Burn and Sleep patterns of a person.

Here in our Health Dashboard, we have visualized data for a particular date and we have displayed 6 charts covering all parameters required for person’s health monitoring. We have used:

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| Chart | Purpose |
| Scatter-Line Chart | The chart Visualizes calories burn per hour. |
| Line Chart | This chart is used to visualize the pattern of Heart Bits. |
| Bubble Chart | This chart visualizes the overall activities of person. |
| Bar Chart | This chart is used to monitor and visualize person’s total number of steps in 24 hours. |
| Histogram | It is used to monitor Blood Oxygen Reading for a person. |
| Pie Chart | This chart is made interactive.  **Pie Chart for Sleep:**  The first chart is made for displaying sleep patterns of person like deep sleep, medium sleep, light sleep and awaken. So this chart will help person to visualize which type of sleep pattern is most commonly observed by him. |
| **Pie Chart for Environment Temperature:**  This chart is used to visualize environmental temperature (in Celsius) for a particular day. |