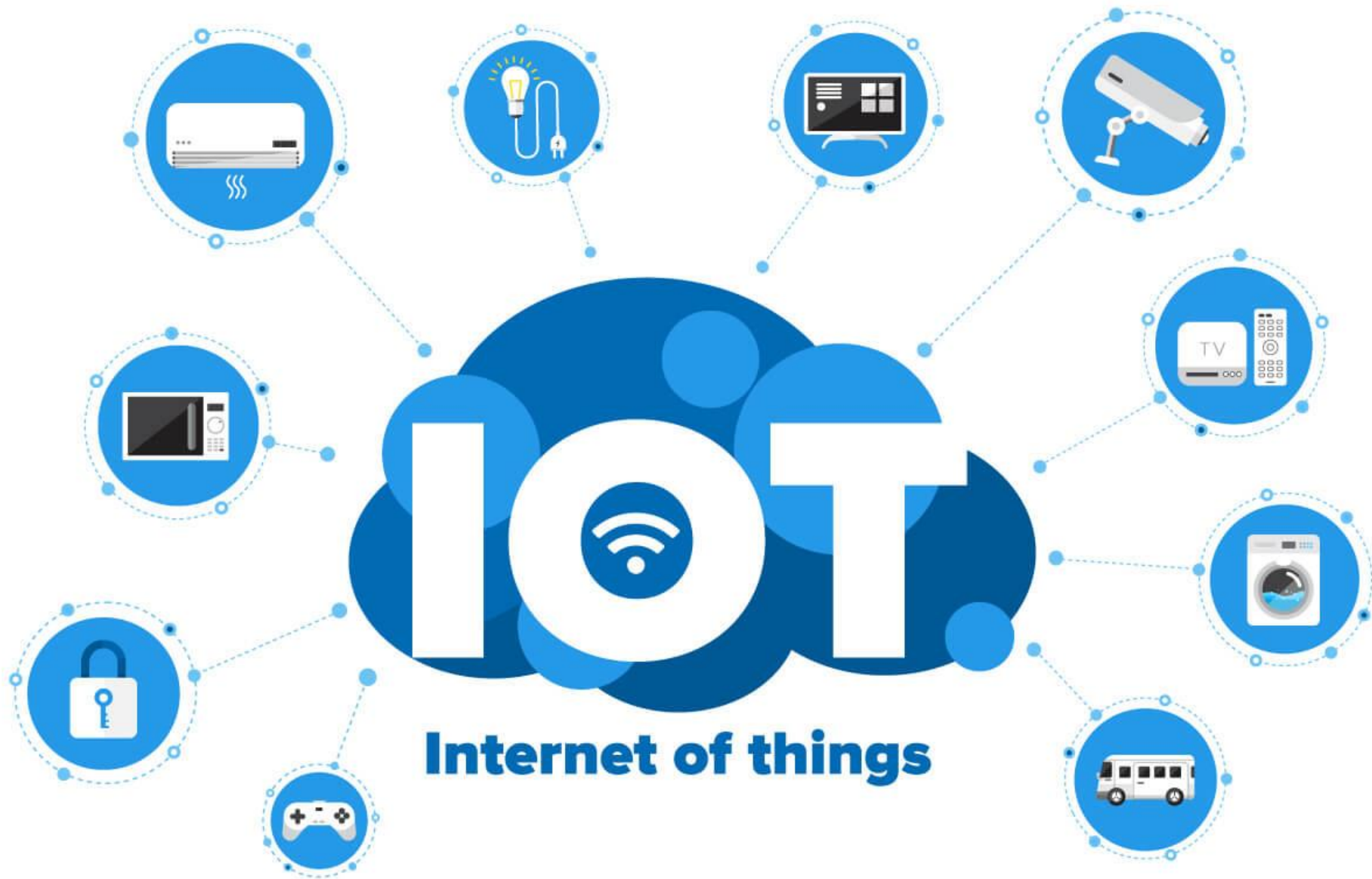# Patient Health Monitoring System

HRITU KIRAN SHARMA

(Monton A.L., 2021)

Introduction to IoT

- Integration of device, sensors, software and network to perform certain tasks.

- Makes task easier and improve efficiency.

(Besedina E., N.A.)

Patient Health Monitoring System

- IoT device that measures the body vitals using different sensors.

- Data can be accessed remotely.

- Doctors can monitor the health of their patient remotely.

Historical Perspective

- Early methods of measuring vital signs were introduced by Santorio, Galileo and Floyer.

- Sphygmomanometer and ECG monitoring was also introduced in the early period.

Historical Perspective

(Associates C., 2023)

(e2aglen, 2017)

Key Features of Health Monitoring System

- Measures body temperature, blood pressures, heart rate and blood oxygen.

- Collected data is sent to the web server or cloud.

Key Features of Health Monitoring System

- Provides real-time monitoring from anywhere.

- Reduces the number of time to visit the clinic.

(Clinical F., 2018)

Benefits of Patient Health Monitoring System

- Helps to identify any chronic disease in its early stage.

- Helps to monitor patient over any distance.

- Helps to monitor patient remotely during the times like COVID 19.

(Dr Josh, 2022)

Challenges

- Risk of data loss and theft.

- Initial cost of the system.

- Potential communication challenges.

- Technical issues may arise.

Future of Patient Health Monitoring System

- Use Artificial Intelligence and Machine Learning to analyze the data and get more accurate results.
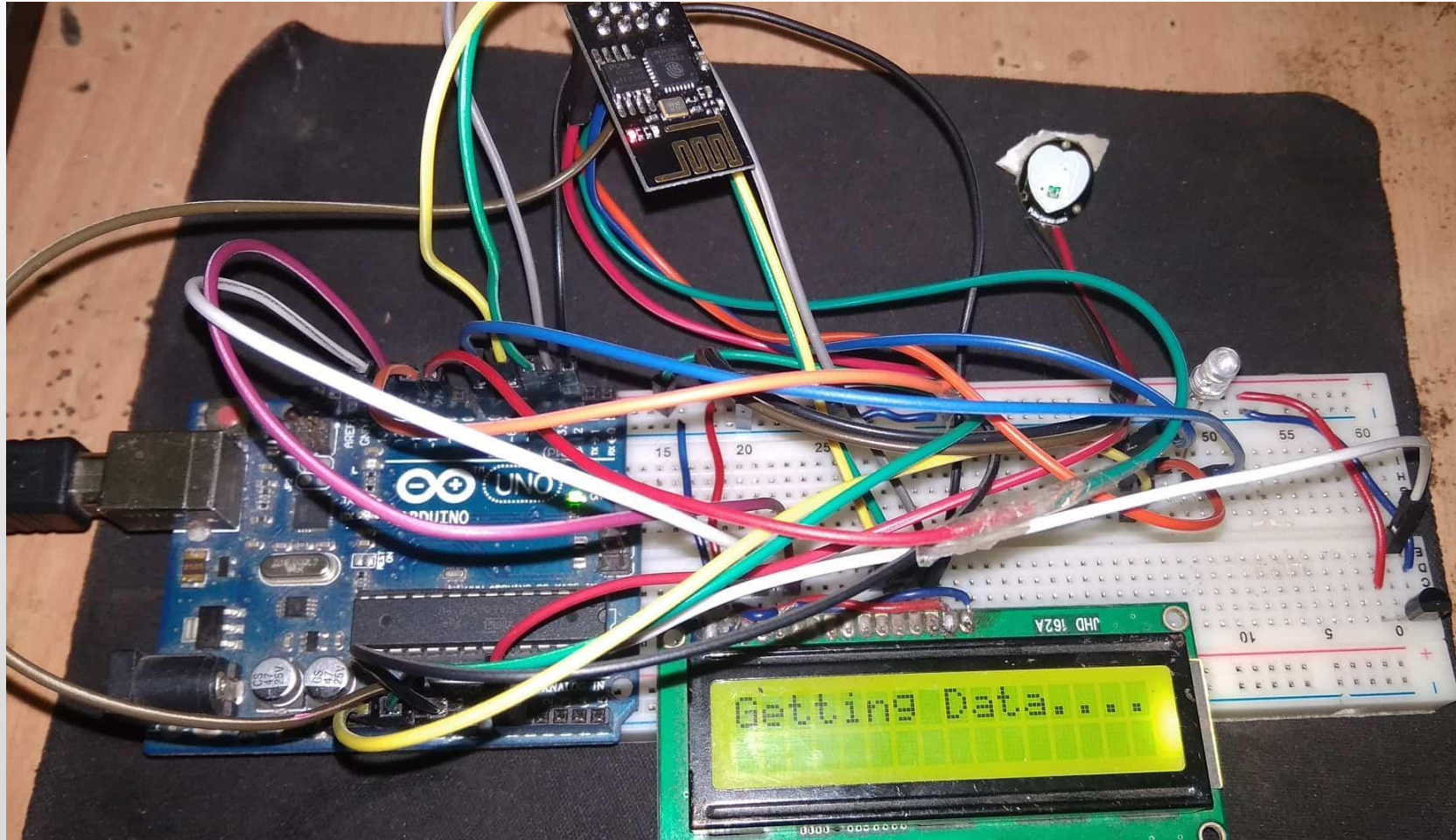

(HealthSnap, 2023)

Future of Patient Health Monitoring System

- Improved interfaces for the users.

- Added more sensors to measure other body vitals.

- Improved security to protect patient's data.

Conclusion

- It is improving remote healthcare.

- It is saving people's time and cost and making management of chronic disease efficient.

- It has improved a lot over the years and will continue to advance with the technology.

Some Patient Health Monitoring System Projects

(Admin, 2024)

Some Patient Health Monitoring System Projects

(Watson R., 2021)

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