- **Problem Id-1000**
- **Problem Statement Title –**IoT based virtual doctor robot
- **Theme/Domain -**IoT
- **Team Name –**Akanksha's Team
- **Team Leader –**Akanksha Kulkarni , Nikita Khese , Nikita Kalaskar , Anjali Kandekar
- **College Name –** Shri. Chattrapati Shivaji Maharaj College of engineering, Nepti, Ahemadnagar

- **<u>Define the problem you're solving</u>**:- At the time of COVID-19 peoples are get quarantined at home at that time no one is allowed to go near the patient . we are building a robot which will going to take care of the patient.
- **<u>Why it is important or relevant?</u>**:- It is very important to the patient who is either quarantined at home or the hospital.
- **<u>Real-world impact</u>**:-
- 1. Remote Healthcare Access
- 2. Continuous Health Monitoring
- 3. Cost Reduction
- 4. Personalized Medicine

- **<u>Solution overview</u>**:- Remote Monitoring and Diagnosis, Virtual Health Assistance, Medical assistance, Virtual health assistance.

- **<u>Key features and functionality:-</u>** Data Security and Privacy, 24/7 Availability, Emergency Response

- **<u>How it addresses the problem:-</u>**
- 1. Limited Access to Healthcare in Remote Areas
- 2. Overburdened Healthcare Systems
- 3. Lack of Continuous Health Monitoring
- 4. Medical Error and Diagnostic Delays

• Technology used:-

•Html:-For creating webpage of website.

•CSS:-for styling to webpage.

•JS:-for dynamic content .

•React JS:-for real time data access.

•Node JS:-for attaching backend.

• Benefits:-

1. Improved Access to Healthcare

2. Cost Efficiency

3. Enhanced Patient Monitoring and Preventive Care

4. Reduced Workload for Healthcare Providers

System Architecture:-
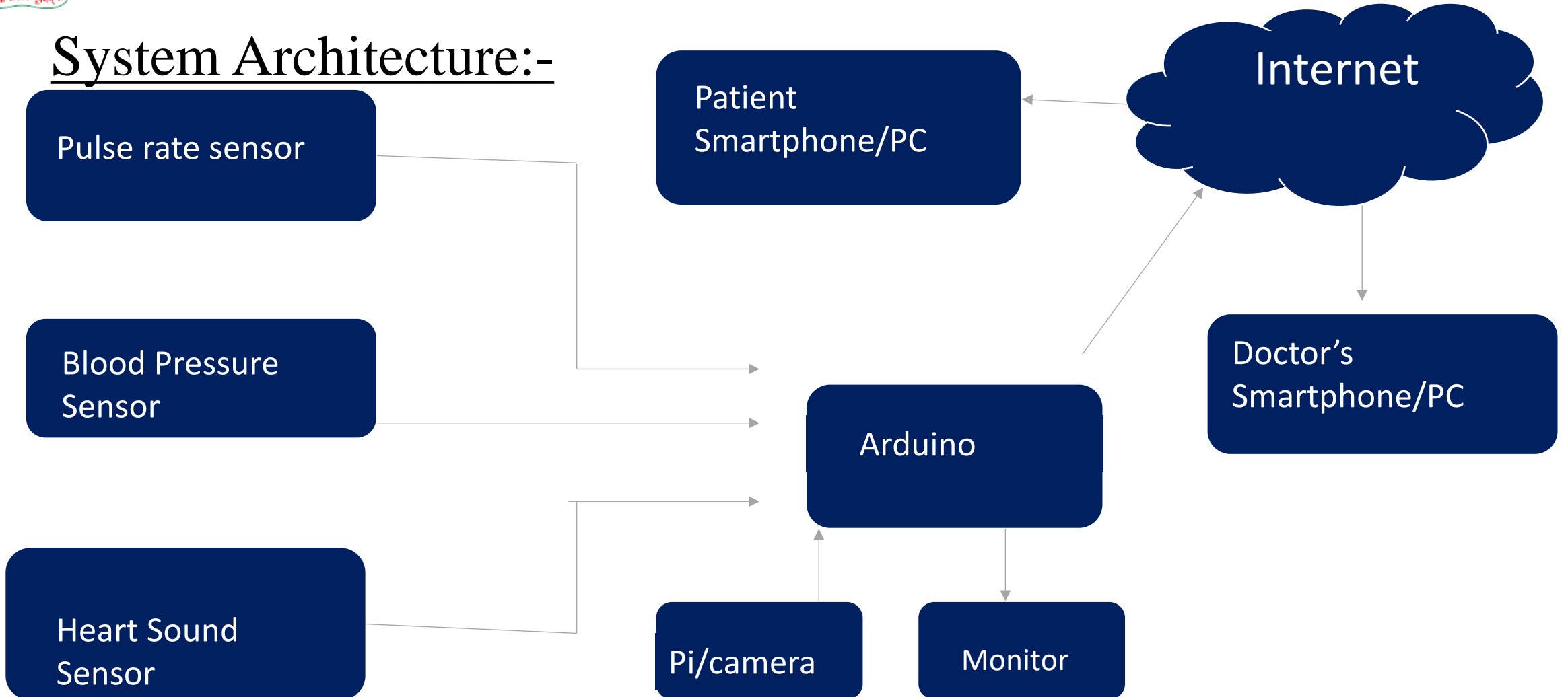
Future Scope:-

1.Give this module on subscription basis to patient.

2.Make advancement to User Interface.

3.Give this report directly to patients mailbox.

Conclusion:-

❖ IoT-based virtual doctor robots revolutionize healthcare by enabling remote diagnostics, real-time monitoring, and personalized care. They enhance efficiency, reduce human error, and increase accessibility, particularly in remote areas. However, addressing concerns like data privacy and security is essential for maximizing their potential in transforming patient care.