

Description of the Problem Being Solved

In the pandemic era, it has become incredibly risky to visit hospitals and clinics as it puts the person stepping outside at the risk of COVID-19. On top of that, people living in rural areas don't get access to preferred specialists due to scarcity. To make healthcare more accessible, we are building a telemedicine web application.

Telemedicine uses electronic devices and software to provide healthcare facility to an individual without having to setup an in-person visit. Using the technology of video conferencing, doctor and patients can conduct one-on-one sessions (Chiron Health, n.d.)

This website would help patients with different needs set appointments with their preferred specialists. They would be able to communicate with the doctor via video conferencing. The payment would reach the doctor's account as soon as the session is over.

Review of existing similar systems

There are a few systems similar to this. MeMD, AmWell, LiveHealth Online, Sebaghar, etc. We would like to mention two notable ones that resemble our project the closest-

1. MeMD

MeMD is a web application serving the residents of United States of America. It provides healthcare to both individuals and organizations. Individuals can set up their own account and get access to one-on-one sessions with nurse practitioners or physicians. The charge of each sessions range from \$67-\$229 depending on the service. Organizations can take healthcare service from MeMD for their employee groups. In such cases, MeMD will provide the employees with virtual primary care, medical solutions, behavioral health solutions and return-to-work solutions (MeMD, n.d.).

2. Sebaghar

Sebaghar is a telemedicine based web application dedicated towards the residents of Bangladesh. Through this website, a person can find their preferred specialist and set a video conferencing appointment with them at their preferred time. Both doctors and patients can register in this website. Doctors charge patients according to their preferred session rates. Hospitals can register to their websites as well (Sebaghar, n.d.).

Feasibility study indicating at least two possible solutions

Solutions adopted and the reasons for that

Detailed diagrams for the complete system and all subsystems

Bibliography

1. Chiron Health. (n.d.). What is Telemedicine? [www.chironhealth.com](https://chironhealth.com/telemedicine/what-is-telemedicine/). Retrieved July 10, 2021, from <https://chironhealth.com/telemedicine/what-is-telemedicine/>