

Health Care 360°

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2021-22

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Certificate of Approval

We approve the project proposal of Raja Ahmed Sajjad, Syeda Fatima Ashoor , Ashley Alex Jacob & Affifa Zainab Ahmad titled “Health Care 360°” submitted to Department of Computer Systems Engineering, UET Peshawar in partial fulfillment of requirement for the degree of B.Sc. (CSE).

Engr. Naina Said
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Healthcare 360 is your one-stop-shop for all your healthcare needs. The main vision lies in the tag line "empowering lives via technology".

The crux of the project is to develop a full-fledged platform to cater for the healthcare needs of a person in 360 ways.

Healthcare 360° aims to ease human lives wherever there is a need to increment, uplift or even revamp the existing healthcare systems. As a vast domain project, we have hit several states of the art issues that have prevailed over the years in this sector.

Being a vast domain project, we have segregated our application into several departments or hubs.

So, far we have implemented 20 features like:

- 1- Diabetes Mellitus Hub
- 2- Electronic Medical Records (EMR- Blockchain) Hub
- 3- Air Quality Hub
- 4- Oncology Hub (Various Cancers)
- 5- Cardiovascular Hub (Heart Diseases)
- 6- COVID-19 Hub
- 7- Health Bot Hub
- 8- Pulmonology Hub
- 9- Ophthalmology Hub
- 10- Nutrition & Diet Hub

We have used almost 30+ Microsoft Azure services, FHIR health block chain API, azure health bot, custom vision to name a few.

As Diabetes is the root of all evils, we have leveraged a solution towards a non-invasive method of blood sugar levels prediction & diabetes mellitus detection.

We have come up with two solutions comprising a full-fledged solution.

- 1- Software end-to-end solution, which uses mobile phone camera, underlying the medical technicalities of the physical structure of eye having variations in furrows, ridges & furrows.
- 2- Hardware to software end-to-end solution which uses a novel, innovative, cheap DIYretcam, the retinal camera of our own to capture retinal funduscopy images.

Technology giants are working on such innovative projects and we are honoured to contribute in this domain.

We are clinically tested & approved by one of the prestigious authorities of Pakistan, Precision Medicine Lab-Rehman Medical Institute (RMI).

We are in the process to get the DRAP (Drug regulatory authority Pakistan), up next goals are to get HIPPA compliance & FDA approvals. We are disrupting the market and our

competitors by introducing a fast, cheap & painless healthcare system under 50 USD. Indeed we are the first & fast movers in this industry.