

Cloud Medicine set to Revolutionize Doorstep Personalized Healthcare



Dear Readers,

The world is witnessing a huge growth in demand for healthcare services because of aging populations and the prevalence of chronic diseases. It is nothing short of a boon that the digital age has started too side by side with this increasing demand for safe and ameliorated healthcare services. The new-age technology has turned stones that were never even thought of. Ever since their advent, they have permeated almost every industry vertical that is even remotely important for mankind.

The healthcare sector too has opened its doors to the tools and platforms built with the incorporation of the latest technologies known to humans. Concepts like AI-based robotics surgery and telemedicine have been bosomed by the healthcare sector.

However, one element or technology that has made possible the enforcement of these new-age technologies across all the industry verticals in the world is 'Cloud Computing'. It is because of this technology that the concept of 'Cloud Medicine' has come into existence and the healthcare sector has reached new heights.

Cloud medicine - the concept and its benefits

The idea of Cloud Medicine is that hospitals and doctors share the patient records electronically and utilize the concept of cloud computing in the smallest of functions.

Cloud is the only weapon that the healthcare sector has against severe problems like lack of basic infrastructure & equipment, delay in delivery of medicine, and many more. The mammoth task of making sure that secure healthcare reaches all corners of the globe is possible only with CLOUD.

Perhaps the biggest benefit of cloud medicine or cloud computing is that it helps in improving the functionality of the healthcare systems a lot. It offers the potential for broad integration and interoperability. The ability to share information easily and securely is a highly critical capability, and cloud services are the only form of technology that enables the medical service providers to do so efficiently. Cloud computing or cloud medicine has been developed in a way that it supports rapid development and innovation. Therefore, it satisfies the demands placed on healthcare IT systems by these

new technologies like the Internet of Things (IoT) devices, Machine Learning, Artificial Intelligence (AI).

Another benefit of utilizing Cloud is that the health records of the patients can follow them everywhere. These records can be made available to the doctors through the internet. In fact, under this model of medicine, the doctors can not only exchange medical histories with each other, but it becomes easier for them to exchange the entire health-care dossier of the patients. Cloud Medicine is the best alternative for the healthcare sector to stop being a sea of paper-trails that it is now.

With a cloud platform, a patient can easily upload the vital information on medical devices for his doctor to analyse along with the already available electronic records. Once the analysis is done, the doctor can prescribe the medicines for the patient to order. In a nutshell, a patient can get personalized treatment while sitting in the comfort of his home.

For a layman to understand the importance of Cloud, this example is perfect:

Imagine you are a student living away from home and your mother needs an emergency operation. Your father takes her to the hospital but because of situational stress, he also felt chest pain and now both of them need medical attention. The only resort in such a situation that the doctors would have to call you and ask a thousand questions. They would have absolutely no clue as to what are the medications your parents take, whether they have any allergies or not, do they have any medical history or not; and a hundred other questions. With the availability of EHRs, this entire situation can be completely avoided.

Moreover, one needs to understand that the medical industry was always working without the technology of cloud computing. The result was that the patients were treated by a trial and error method. With the availability of cloud medicine technology, the world is witnessing the model of personalized treatment. The doctors have with them all the records of a patient and therefore, they are able to perform personalized treatment.

With kindest regards

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