Healthcare-Internet of Things (H-IoT) can assist and address emerging challenges in healthcare

Abstract: The emergence of technology correlation Internet of Things (IoT) could not be quantified on a growth perspective. The emerging technologies across the globe, in various sectors have made the life of every individual much easier as compared to the previous days. At present the application of technologies are not limited to one particular sector, rather it is widely spread among various sectors. This is equally applicable to the healthcare sector. In this article I tried to emphasize the current challenges in healthcare sector and how the challenges can be addressed using different technologies. I conducted my review on different articles related to transformation of healthcare which has taken place since last few years and has brought a massive change in the medical sector. The best example for the same is the change from hand written prescriptions to Electronic Medical Records (EMRs). Healthcare-Internet of Things (H-IoT) has made a great contribution in bringing this transformation. H-IoT does not only have its application in one specific area of medical sector, rather it has shown its application to several areas of healthcare like – early diagnosis detection, continuous monitoring, orthopedic surgery, drug management, etc. The architecture of IoT is a three layer setup which should pass through four different stages. Even though researchers are continuously working on the transformation of healthcare using the IoT concept, still there are certain limitations in terms of data privacy when H-IoT comes into question.

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