

A Study on Role of Augmented Reality and IoT in Health Care

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Abstract

Augmented reality (AR) is one of the new advancements making advances into a few business sectors, including medical services. Augmented Reality and IoT has proposed numerous smart applications in healthcare domain including wearable access, telemedicine, remote surgery, diagnosis of medical reports, emergency medicine, etc. The aim of applying augmented healthcare application is to improve patient care, increase efficiency, and decrease costs. AR and IoT provides smart solutions for Simulations and Practice, Anatomy Learning, Preoperative Planning, Intraoperative Assistance, Enhanced Patient Education, Physical Therapy, Virtual Consultations, Guidance for Remote Procedures, Real-Time Data Visualization, Exposure Therapy, Cognitive Rehabilitation. The present article aims to review the advances in IoT and AR-based healthcare technologies and explores the strategies being implemented to further develop this field.

Keywords

Augmented Reality, IoT, Health Care, Personalized Health Care, Anatomy Learning, Preoperative Planning, Intraoperative Assistance