

## **DIGITAL MEDICINE: AN ANDROID BASED APPLICATION FOR HEALTH CARE SYSTEM**

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### **ABSTRACT**

An hectic lifestyles to cope with fast pace moreand more people are facing health problems irrespective of the age group. Healthcare system has thus become an inevitable part of every family. Getting efficient and quick healthcare becomes a necessity; therefore along with the generic approach there comes a need to adopt a parallel efficient and speedy approach known as Digital Medicine. It is an approach which can be adopted by hospitals to provide quick access to healthcare services provided by them. Such as online video conferencing, emergency alarm with critical form of medical condition or accidents; uploading of medical reports with security measures necessary while consultation, online medical prescription, scheduling appointment, information about nearest hospital and medicos, life remainder system to remind medicine intake timely. It is designed with an aim to facilitate faster and efficient communication between doctors and patients giving transparency to locations or distance where they are based while using the application. The proposed application is deployed on android based mobile phones connecting to the server managed by hospitals and uses GPS and GSM network for communication.

**KEYWORDS:** GSM, GPS, Digital Medicine, HealthcareSystem, Video Conferencing, Report Transfer.