AN ARCHITECTURE FOR A VOICE-ENABLED HEALTHCARE SYSTEM

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ABSTRACT

information about self-care, prevention of diseases and treatment. In developing countries, healthy lifestyle. people die of minor illnesses that could have been prevented with simple medications and People read books and search websites using graphical user interface (GUI) for

Technology (ICT) is however, steadily growing in the developing countries of the world and people are taking advantage of the benefits it brings. to population to be about I to 3,333, a situation which results in many untimely deaths because of lack of adequate healthcare. The use of Information and Communication Nigeria with an estimated population of 140 million people has the ratio of doctors

and the highly literate through natural language. doctors and hospitals in a particular locality by able-bodied people, the blind, visually impaired, health professionals, people without computer skills, the illiterates, semi-literate drugs, fruit therapy, results of medical researches, diagnosis and to search for specialist access to health information about illnesses, prevention, treatment, alternative therapy, This paper presents an architecture for a voice-enabled healthcare system to allow

everyone has access to mobile phones even in the rural areas and where healthcare is This provides a great opportunity for people in the developing nations where almoss

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1.0 INTRODUCTION

curative promote Health Organization (WHO), embraces all sustainability of a country's economic and whether country can maintain a steady economic social growth depend largely on vibrant population cure" are still valid today because it is growth in the absence of an adequate healthcare sector of that nation and no is already sick, care is inevitable to avoid wealth. However, in a case where a person healthcare system [2]. The adages "health goods Healthcare, according to the World directed good health health, and and "prevention is better than and processed processed bennessed paliiative services to individuals or to including The a man can make viability interventions, designed to preventive, and

untimely death and both care and cure are only feasible when there is information about them.

nearest health center. After three sleepless automobiles are few and away from the and convulsions in a village over a half-aeven an information about where the does not know where to get one and not emergency care from a specialist dector lifestyles [2]. An ill person that needs an with simple illnesses that could have been prevented family, he succumbs. People die of minor nights of agonizing helplessness for the estimated population of 140 million and about I to 3,333[3]. This is not peculiar to the ratio of doctors to the population is nearest hospital journey A child falls ill with fever, chills on medications and bad road Nigeria has healthy