

Baby Vaccination Application

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Abstract

In today's lifestyle due to the heavy burden and pressure of work it is difficult to remember the vaccine period on new born babies as well as small ones. To solve this we developed an Android app for kids which is a complete guide and a memory tool for parents. This application helps parents to follow everything in a simple way and helps parents get satisfaction. This report details the work done towards the project Baby Care. This particular project is a solution developed for all the busy mothers and single fathers to take proper care of their little one. The Android app for kids is a complete guide and a memory tool for parents. This application helps parents to follow everything in a simple way and helps parents get satisfaction. We have felt the need to design this Android Application for the Android platform and we ensure the best possible performance, quality of the android application. The proposed system is Android based. We chose Android operating system because Android operating system is at the top in market because of its features like portability, platform independence, and low memory consumption. As the Android operating System is used in mobile phones, tablets and laptops it has covered more than 80% of the market. Now everyone is using an android phone. So we are developing this Application for android users.

Keywords: Portability, low memory, android phone, low power consumption

I. INTRODUCTION

In recent years Vaccines help protect infants, children and teens from serious diseases. Getting childhood vaccines means your child can develop immunity (protection) against diseases before they come into contact

with them. Generally young children are at increased risk for infection because their immune systems have not yet built up the necessary defences to fight serious infections and diseases. As a result, diseases like whooping cough or pneumococcal disease can be very serious and even deadly for infants and young children. Vaccinations start early in life to protect children before they are exposed to these diseases.

Occurrence of sequential patterns in a sequence of Vaccination is the administration of a vaccine to help the immune system develop protection from a disease.

Smallpox was most likely the first disease people tried to prevent by inoculation and was the first disease for which vaccine was produced. Vaccines contain a microorganism or virus in a weakened or killed state, or proteins or toxins from the organisms in stimulating the baby's adaptive immunity, they help prevent sickness from infectious diseases. When a sufficiently large percentage of a population has been vaccinated, herd immunity results. The effectiveness of vaccination has been widely studied and verified. Vaccination is the most effective method of preventing infectious disease, widespread immunity due to vaccination is largely responsible for the world wide eradication of smallpox and the elimination of diseases. The slightly modified form of a disease-causing organism is used for making vaccines. Today a combination of these organisms can be used in one vaccine, to limit the number of vaccinations your child gets. The basic principle through which a vaccine works is by creating immune memory to certain organisms. When a child's immune system is exposed to the organism within a vaccine, it starts to form memory towards the infectious organism. So, when your child is exposed to a similar organism in the near future, the body is already prepared with its defence mechanism. This paper proposed a baby vaccination system to reduce the caring burden of their parents. Information such as vaccination, hospitalization records, and so on can be acquired and analysed in a real time environment to predict the potential danger condition and then push a notification to a portable device, or take emergency actions automatically to prevent the infant from injury

II. LITERATURE SURVEY

India with 1,258 million people, is the second most populous country in the world, just after China. More than 127 million children under 4 years, along with its nearly 27 million annual births and a fertility rate of 2.54 children per woman, make India an attractive market for the baby care industry. The domestic baby and child care market, which has been growing at a CAGR of 17 per cent since 2012, is set for a big boom with a host of global players foraying with innovative products. Considering the huge potential that this market offers, brands like Brevi from Italy, Combi from Japan, Bubba Blue from Australia, Tiny Love from Israel, Grup Baby from Turkey, US Baby from China, Kiddy Gmbh from Germany, Tolly Joy from Singapore and Farlin from Taiwan are some of the top brands which will be making a debut in the local market With India being home to around 50 million babies in the 0-2 years age group and 304. with 8 million children in the 0-12 years group, the country offers immense opportunities to the segment players to tap this growing market. The Indian baby care market has been witnessing speedy transformation with rising income levels and changing consumer behaviour. At present, the Indian market is in the emerging stage of development and is expected to become one of the world's fastest-growing baby care markets. Moreover, a large population base in the age group of 0-4 years and increasing willingness of parents to spend more on baby products will be the primary driving force in the near future. Rising middle class contribution, introduction of baby care products for the bottom of the pyramid segment will drive the market towards steady growth. Most of the companies operating in this segment are going for product innovation and development. Manufacturing and trading of quality baby and child care products and services is becoming increasingly important for a wide range of companies in India and globally. India's children and baby product industry is at US\$11.12 billion (EUR. 8.52 billion). However, there is a lack of organized trade platforms for the baby and child care product industry in India. So, let's look at some of the key pointers as follows. What is the approximately business volume generated by the childcare industry in the country? According to the statistics from the RNCOS March 2013 report, the Indian baby and child care market has substantially grown during the past few years and caught the attention of many international players. Estimated to be US\$11.12 billion and growing with a CAGR of 17%, Indian baby and children products market is expected to reach US\$ 21 billion (€16 billion) by the end of 2015. Skooly application is the mechanism of how a vaccine works, the vaccine schedule. Vaccines given at birth Oral Polio Vaccine (OPV), Bacilli Chalmette Guerin (BCG), Hepatitis B (1), Vaccines given at 6 weeks Diphtheria, Prussic and Tetanus (DPT 1), Hep B (2), Inactivated Polio Vaccine (IPV 1), Rotavirus (1), Pneumococcal Conjugate Vaccine (PCV 1), Haemophilus influenzae type B (HiB). Vaccine gives at 6 Weeks Diphtheria, Prussic and Tetanus.

III. EXISTING SYSTEM

In the existing system, Vaccines are provided for infants and children under teenage by various aspects such as by attending school manually and there is a chance that some of the children and infants may miss the opportunity of getting vaccinated due to some mandatory reasons. Which leads to loss of life or gets affected by various diseases such as polio...etc.. This is a time delay process to wait for each and every one all over the place.

IV. PROPOSED SYSTEM

In our proposed system, we use The Android app for kids are a complete guide and a memory tool for parents. The Baby Care application helps parents to follow everything in a simple way and helps parents get satisfaction. Need to Design and build advanced Baby Care Android Application for the Android platform and ensure the best possible performance, quality of the android application. Here the developer should have experience in handling Push notifications, Responsible for designing layouts and some of the modules in the application, Responsible to understand business requirements and translate them into technical requirements and Responsible to work with, SQLite and Jason. The baby care application consists of two main modules. admin and parents. The proposed system of e Vaccination system provide proper schedule of children vaccine time interval for the parents. Parents can search nearby hospitals and make a schedule. Admin will manage the child and vaccination report and approval of appointment. Hospital will update the status of the vaccination applied for the child. The system implemented as android app.

V. CONCLUSION

We will be developing a People Counter system. A novel people counter system with IoT via Ultrasonic sensor which detects the change in Ultrasonic radiation of warm blooded moving objects. People counting system collects information about store traffic, in combination with the Smart shelf system, they provide crucial data, help you gain insights into customer behavior to evaluate merchandising and marketing efforts as well as to adjust daily operations and enhance optimal customer experience.

Once the intruder moves out of the detection range of the PIR sensor, the webcam and the light gets turn off. This system provides actionable information that help organizations increase profitability and enhance operational efficiency. It helps to determine how much sales revenue is being generated, how much staff is needed and analyze effectiveness to make proper business decisions.

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