



DIGITAL INVENTION IN HEALTH DIAGNOSTICS SYSTEM

HEALTH KIOSK

Title: Project report of implementation of health kiosk

ABOUT US

PMS Promoted well known business group & young techno-crafts having 20+ years of experience in the field of development, Maintenance & product development

With a strong focus on improving accessibility & convenience for individuals seeking health assessment & information, We developed cutting- edge technology in the form of Health KIOSK. We give commitment to improving healthcare accessibility & empowering individuals to proactively manage health sets.

PMS Committed to providing a unique package of cost- effective solutions, quality service & complete satisfaction to customers by continuous innovation and R& D, focusing on end to end user's needs & building strategic partnerships with solution providers & system integrators

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EXECUTIVE SUMMARY:

This Report evaluates the implementation of a health kiosk in community areas. The kiosk is designed to provide patients with easy access to health information and services, with the goal of improving patient engagement and outcomes.

BACKGROUND

❖ Increase the patient engagement:

Healthcare providers and payers are increasingly recognizing the importance of patient engagement in achieving better health outcomes and reducing healthcare costs.

Patients who are actively involved in their care tend to have better health outcomes, higher satisfaction, and lower rates of hospitalization and readmission.

However, many patients face barriers to engagement, including limited access to healthcare information, difficulty navigating complex healthcare systems, and lack of time and resources.

❖ The Need for Innovative Solutions in Healthcare:

The traditional model of healthcare delivery is often characterized by long wait times, complex workflows, and limited access to healthcare information.

Patients are increasingly expecting more personalized and convenient care experiences, driven by the rise of consumerism in healthcare.

Healthcare providers and payers are seeking innovative solutions that can improve patient engagement, satisfaction, and outcomes while reducing costs.

❖ Improving Awareness and Education about healthcare:

Many people in India, especially in rural areas, lack awareness about health issues and preventive measures. This can result in delayed treatment and poor health outcomes. Many people in rural urban areas may lack awareness about the importance of regular health checkups and may not understand the benefits of preventive healthcare. This can lead to a lack of participation in daily health checkup programs.

❖ Overcome the Financial constraints:

It can be a significant barrier to accessing daily health checkups, as people in rural urban areas may have limited financial resources to spend on healthcare expenses. The cost of transportation to reach healthcare facilities can also be a burden. Rural urban areas may be located in remote or hard-to-reach locations, making it challenging for individuals to travel to healthcare facilities for daily health checkups.

SOLUTIONS

Government schemes

Government has published many schemes for improve healthcare services in India. These schemes aim to control disease prevalence in India by improving public health infrastructure, promoting healthy behaviors, and providing access to quality healthcare services.

Objectives:

1. Focus on early detection of diseases to prevent complications and improve outcomes.
2. Preventing the spread of diseases through education campaigns, vaccination programs, and other measures.
3. Targeted approach: Many schemes target specific populations or geographic areas with high disease burdens.
4. Emphasis on prevention: Many schemes focus on prevention rather than just treatment, with an aim to reduce disease burden.
5. Training and capacity building: Many schemes focus on training healthcare professionals and building their capacity to deliver quality care.



What we provide?

We are committed to empowering individuals and communities to take control of their health and well-being through innovative technology solutions. We have developed a range of innovative health kiosks that provide individuals with convenient and accessible access to health services. Our health kiosks are designed to be user-friendly, intuitive, and personalized, allowing users to take control of their health and well-being.

INTRODUCING DIGITAL INVENTION IN HEALTH DIAGNOSTICS SYSTEM

HEALTH KIOSK

Key Features:

- ❖ More than 75 types Non-invasive & Invasive health checkup
- ❖ Patient registration through cell No./ Finger print/ Face detection
- ❖ Get instant test report Through print/What Sapp/ Mail
- ❖ Voice instruction in Local Language
- ❖ Digital Record of Patients details & their health records
- ❖ Video doctor consultation & prescription
- ❖ Provide more than 95% accuracy

Features

1. Convenience: Health kiosks are designed to be user-friendly and require minimal assistance. Patients can perform tests and receive results quickly, without the need for a healthcare professional's constant supervision. This convenience allows for more flexible and accessible health checkups.

2. Time-Efficient: It can perform certain tests and measurements in a shorter amount of time compared to traditional methods. This efficiency reduces waiting times and allows for more patients to be served in a shorter period, alleviating the burden on healthcare facilities.

3. Cost-Effective: It can be more cost-effective than traditional health checkups, as they often require less staffing, infrastructure, and maintenance. This cost reduction can lead to more affordable healthcare services for patients.

4. Data Management: Usually come with built-in data management systems that can store, organize, and analyze patient data. This can help in identifying trends, monitoring health conditions, and providing personalized health recommendations.



5. Privacy: It offers a level of privacy for patients during tests and consultations, as they can be designed to provide a private and secure environment for the user.

6. Remote Accessibility: It has possibility of telemedicine platforms, enabling patients to access healthcare services remotely. This is particularly beneficial for individuals living in rural or remote areas with limited access to healthcare facilities.

7. Preventive Care: Health kiosks can encourage preventive healthcare by providing regular health checkups and early detection of potential health issues. This can lead to better health outcomes and reduced healthcare costs in the long run.

8. Reduced Human Error: Health kiosks can minimize human error in data collection and analysis, ensuring more accurate results and better decision-making in patient care.

PROJECT IMPLEMENTATION

Case Study: The health kiosk was installed in a prominent location within the health center and provided patients with access to a variety of health information and services, including invasive, Non Invasive tests. Patients were able to use the kiosk independently or with assistance from healthcare staff.

UTTAR PRADESH:



The Uttar Pradesh government has been working to improve the healthcare infrastructure in the state. As part of this initiative, the government has identified the need to install health kiosks in primary health centers (PHCs) and community health centers (CHCs) to provide basic healthcare services to the rural population. The health kiosks will be equipped with automated systems that can diagnose and treat common health problems, as well as provide health education and awareness to patients.

Chief Minister Yogi Adityanath Ji inaugurated our health kiosk in Uttar Pradesh. The inauguration ceremony took place in Rampur. During the inauguration, Chief Minister Yogi

Adityanath emphasized the importance of such initiatives in improving the healthcare infrastructure of the state and providing quality healthcare to every citizen. He stated that the health kiosks would bring healthcare services closer to the people, especially those living in rural areas

GUJARAT:



The Government of Gujarat, India, launched a tender process to install health kiosks in primary health centers (PHCs) and community health centers (CHCs) across the state. The objective of the project was to provide basic healthcare services to rural populations, improve healthcare outcomes, and reduce healthcare costs.

UTTARAKHAND:



The Char Dham Yatra is a revered pilgrimage route in the Himalayas of Uttarakhand, India, which attracts millions of devotees every year. The yatra is considered one of the most sacred and challenging treks in the Himalayas, covering a distance of over 270 kilometers. The journey is marked by steep climbs, treacherous terrain, and unpredictable weather conditions, making it a significant health risk for pilgrims.

UATTARAKHAND GOVERNMENT SIGNS AGREEMENT WITH HEWLETT PACKARD FOR HEALTH ATM'S ON CHARDHAM ROUTE

Dehradun, 25 Mar: In the presence of Chief Minister Pushkar Singh Dhami, Director General, Medical Health and Family Welfare and Director Corporate Affairs and

Corporate Social Responsibility (CSR) of Hewlett Packard Enterprise (HPE) signed an agreement for health screening in identified medical units of Garhwal division.

TELANGANA:



In a significant move to revolutionize healthcare services in the state, **the Health, Medical & Family Welfare, Science and Technology of the Government of Telangana, SRI C. DAMODAR RAJANARSIMHA JI, inaugurated a state-of-the-art Health ATM in Hyderabad.** The inauguration was attended by dignitaries from the health sector, government officials, and members of the medical fraternity. The inauguration ceremony was followed by a demonstration of the Health ATM's features and capabilities.

ANDHRA PRADESH:



The Central Prison, Vishakhapatnam is a high-security prison that houses over 1,500 inmates. The prison's healthcare facilities are limited, and inmates often face challenges in accessing quality healthcare services. For improving healthcare services in the prison and authority decided to install a health kiosk to provide inmates with easy access to healthcare information and services. **The anytime clinic with health kiosk was installed in the prison's infirmary building and was inaugurated by the Home Minister of Andhra Pradesh Smt. Vangalapudi Anitha.**

MAHARASHTRA:



Through the CSR activity, we have provided health KIOSK & medicine vending machine to the CHC, PHC centers in rural areas of Maharashtra. This project is running from last three years and all the patient data & health record store on the server.

The machine was inaugurated by Health Minister of Maharashtra State. Shri. Rajesh Tope Ji

SOME INSTALLATIONS IN PRIVATE SECTORS:

Successfully installation of health ATM machines in leading health insurance company POLICY BAZAAR in Delhi NCR, Noida, Panjab

Policy Bazaar, a leading insurance aggregator, wanted to introduce a new revenue stream and enhance customer convenience by installing a health ATM at their offices. The goal was to provide customers with an easy and secure way to purchase health insurance policies and access medical services



Successfully installation of health ATM machines in ADITYA BIRLA GROUP, Indore, Madhya Pradesh

Aditya Birla Group, a leading conglomerate with a presence in various sectors, wanted to introduce a health-focused ATM (Automated Teller Machine) at their corporate office in Indore, Madhya Pradesh. The goal was to provide employees and visitors with easy access to medical services and insurance policies.

Successfully implementation of health kiosk in hospital on wheels in Nasik, Maharashtra.

The Hospital on Wheels (H.O.W.) is to provides medical care and support to underprivileged communities in Nashik, Maharashtra. H.O.W. has been working towards providing free medical services to people in need.

The hospital on wheels project has been a success in providing accessible healthcare services to rural communities in Nashik district. Despite challenges, the initiative has demonstrated the potential for innovative solutions to bridge healthcare gaps in underserved areas. With further investment and support, such projects can be scaled up to benefit more communities across India.



Successfully installation of Health kiosk's in health club of society, under the Kolte patil group of Developers, Pune

Kolte patil group of developers, Pune a residential complex, has a health club that offers fitness classes, gym facilities, and wellness programs to its residents. The club aims to provide a comprehensive wellness experience to its members. To enhance the services offered, the club decided to install a health kiosk to improve the overall experience and engagement of its members.

Successfully installation of health kiosk and Token vending machine in Private ayurvedic clinic in Assam

Deshkalyan ayurvedic aushdhalay, a renowned wellness center in Assam, offers traditional Ayurvedic treatments, yoga, and meditation to promote overall well-being. The center wanted to leverage technology to enhance its services and provide a more personalized experience for its patients. The health kiosk was installed in a private consultation room within the health center, easily accessible to patients. The installation process took approximately 3 days, including setting up the hardware, configuring the software, and conducting training sessions for staff.



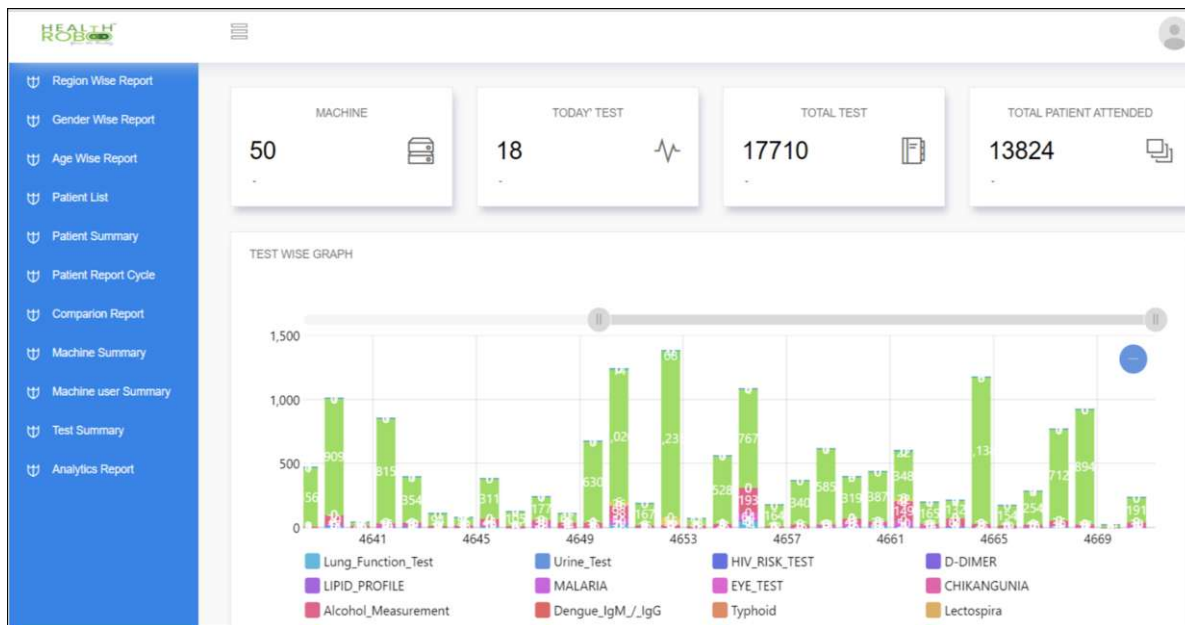
OUTCOMES:

Methodology: Patient surveys were conducted before and after implementation to assess satisfaction with care and perceived barriers to care. Interviews were also conducted with healthcare providers and staff to assess their perceptions of the kiosk's impact on care delivery.

Results: Survey results showed significant improvements in patient satisfaction with care after implementation of the health kiosk. Patients reported feeling more empowered to take control of their health and were more likely to follow-up with recommended screenings and vaccinations. Healthcare providers reported improved patient engagement and increased efficiency in delivering care.

Observations:

These survey results indicate that health kiosks have had a positive impact on access to healthcare services, patient satisfaction, health outcomes, awareness, and community engagement. However, it is essential to note that these results may vary depending on the specific context and setting in which the health kiosk is implemented.



The graph below shows the patient's health record data collected from the health kiosk over a period of 6 months. This graph provides a visual representation of the patient's health data, allowing healthcare professionals to quickly identify trends and patterns in their health metrics. By analyzing this data, healthcare professionals can provide personalized recommendations and interventions to improve the patient's overall health and well-being.

BENEFITS TO GOVERNMENT:

- ❖ **Improved Data Management:** Health kiosks can help the government to collect and store patient data accurately and efficiently, reducing the risk of errors and improving data analysis.
- ❖ **Enhanced Public Health Surveillance:** It can be used to track and monitor disease outbreaks, enabling the government to respond quickly and effectively to public health crises.
- ❖ **Cost Savings:** Health kiosks can reduce the cost of paper-based record-keeping and reduce the need for manual data entry, Cost for consumables.
- ❖ **Improved Patient Care:** Health kiosks can provide patients with easy access to their medical records, enabling them to take a more active role in their healthcare and make informed decisions about their treatment.
- ❖ **Increased Efficiency:** Health kiosks can streamline healthcare processes, reducing waiting times and improving the overall efficiency of healthcare services.
- ❖ **Better Decision Making:** Health kiosks can provide the government with valuable insights into patient behavior and health trends, enabling them to make more informed decisions about healthcare policy and resource allocation.
- ❖ **Enhanced Research Opportunities:** Health kiosks can provide researchers with access to large amounts of data, enabling them to conduct more effective research and develop new treatments and interventions.
- ❖ **Reduced Administrative Burden:** Health kiosks can reduce the administrative burden on healthcare providers, freeing up staff to focus on more important tasks such as patient care.
- ❖ **Improved Communication:** Health kiosks can facilitate better communication between healthcare providers, patients, and other stakeholders, improving the overall quality of care.
- ❖ **Reduced Healthcare Fraud:** Health kiosks can help to reduce healthcare fraud by making it easier to track and monitor billing and claims submissions.
- ❖ **Improved Patient Safety:** Health kiosks can help to reduce medication errors, allergic reactions, and other adverse events by providing a comprehensive view of a patient's medical history.
- ❖ **Enhanced Transparency:** Health kiosks can provide patients with easy access to their medical records, enabling them to make informed decisions about their treatment and hold healthcare providers accountable for their care.
- ❖ **Improved Patient Engagement:** Health kiosks can engage patients in their care by providing them with access to their medical records and enabling them to take a more active role in their healthcare.
- ❖ **Better Use of Resources:** Health kiosks can help the government to make better use of resources by identifying areas of inefficiency and improving the allocation of resources.

OUR OTHER PROJECTS



Clinical Bag



Sitting model of health kiosk



Health on wheels



Two wheeler any time clinic



Smart Bed



Any Time Clinic