

Smart Voice Assistant Kiosk

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Abstract:

A smart assistant terminal is a self-service terminal that can help users perform various tasks, such as making personalized recommendations and performing transaction processing. Its user-friendly interface can be used with a variety of voice commands and touchscreens to accommodate different needs. The goal of the Smart Assistant Kiosk is to revolutionize the way people interact with each other and improve the way they use public spaces. It utilizes cutting-edge technologies, such as natural language processing and AI, to provide users with individualized assistance and interactive experiences. Fueled by state-of-the-art fake insights calculations, the Savvy Right hand Stand can get it and decipher client inquiries precisely. It leverages tremendous sums of information from different sources, empowering it to supply relevantly significant data in real-time. Clients can get data on different subjects, get to item points of interest, discover bearings, or get personalized suggestions custom-made to their inclinations.

Keywords — Interactive Display, Touch Screen, Voice recognition, Self Service, Customer Ingagement, Natural Language Processing, Self Service.

I. INTRODUCTION

The shrewd affirmation enquiry stand could be a cutting-edge innovation arrangement outlined to streamline the confirmation handle and give a consistent encounter for imminent understudies and guests at instructive educate. This inventive self-service stand leverages progressed highlights such as intelligently shows, manufactured insights, and information integration to proficiently handle confirmation request, give significant data, and help clients in exploring through the confirmation prepare.

II. HISTORY OF VOICE ASSISTANT

Regarding the history of voice assistant, the first voice games were released as “Radio Tyrannosaurus Rex ” in 1911. The foundation of

the virtual assistant we know today was laid by IBM simon in 1994. In the 1990s, digital voice recognition technology became one of the computers of private companies such as Microsoft, Apple and Philips. Many researchers introduced “Siri” as the first digital voice assistant on the iPhone 4S in 2011. Amozon’s Alexa, Microsoft’s Cortana, Apple’s, siri, Google Assistant, etc. Many companies such as have voice communication for their devices.

RELATED WORK

Identify and discuss previous or current smart kiosk solutions deployed in schools or similar environments. Describe their features, functions, and benefits in an easily accessible way.

PROPOSED WORK

The proposed Smart Admissions Kiosk aims to revolutionize the university admissions process through the use of technology and provide better personalized service to prospective students and guests.

ADVANTAGES

- 24/7 Accessibility: Smart admissions offices are open 24 hours a day, 7 days a week, so prospective students can inquire about the admissions process at any time.
- Self Services: Smart admission kiosk allow prospective students to complete questions without queing or speaking to human advisor. This saves time and stress for students and admissions officers.
- Virtual assistants integrated into self-service kiosks provide users with quick responses and personalized guidance. They can ask specific questions, get necessary information, and get help throughout the admissions process. This increases user satisfaction and reduces the stress of seeking human assistance.
- Self Service Automation

MODULES

MIC BUTTON :

The Microphone button on the smart access kiosk is used to enable the user to send their question or request into the kiosk

REGISTRATION FORM :

There are many benefits to using a registration registration process form in a smart kiosk. First, it helps simplify the admission process by allowing student to complete the registration process themselves. This saves time for students and admission officers. Secondly, it can help improve the accuracy of the registration process by ensuring that all necessary information is

collected. Third, it can help reduce the number of errors during recording.

CAMPUS VIEW :

The Campus View module is a software application on used to display the campus map in the smart assistant kiosk. The map can be used to help users find their way around campus, find building and facilities, and get used to provide information about campus events and activities.

FEATURE OF THE PROJECT:

Touch Screen Interface: The Kiosk Has an intuitive and user friendly interactive touch screen interface that allow user to access the system easily.

Admission information & Details: The kiosk provides detailed information on admission requirements, available programs, classes, and facilities provided by schools.

Virtual Assistant: The kiosk has a virtual assistant or chatbot that uses artificial intelligence and natural language processing.

As Shown in the figure below, the architectural concept demonstrates the precise management of the project.

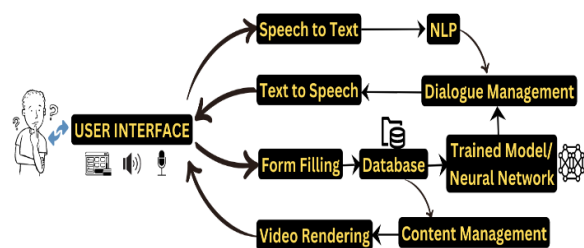


Fig 1. Architecture

III. CONCLUSIONS

Smart access kiosk are essential tools for colleges and universities. They can help improve the admission process by providing potential students

with an easier and more efficient way to learn about the school and apply for admission. Additionally, the adoption of smart student kiosk can help improve the overall image of the school or college, making it appear modern and technological.

IV. ACKNOWLEDGEMENT

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