Title: DKUT CHECK IN CHECK OUT SYSTEM

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Abstract

The DKUT Check-In Check-Out System project aims to mordernize security and administrative processes at Dedan Kimathi University of Science and Technology (DKUT) by offering a comprehensive digital solution for the entire DKUT community. This system will centralize the check-in and check-out process, record entry and exit activities, track valuable assets, and simplify vehicle and equipment registration while generating automated reports. The project anticipates substantial benefits, including enhanced security, reduced theft incidents, streamlined administrative tasks, and improved gate access flexibility. The primary users will be the dedicated security guards responsible for monitoring access points, ultimately promising a safer and more convenient environment for everyone at DKUT.

Problem statement

Historically, the university relied on manual and disjointed systems for security and access management, involving labor-intensive record-keeping, complex asset tracking, and inefficient transportation registration. These practices introduced security vulnerabilities, operational burdens, and inconveniences. In response to these challenges.

Proposed Solution

The DKUT Check-In Check-Out System project aims to leverage digital innovation by automating entry and exit recording, improving asset tracking, simplifying transportation registration, and introducing automated reporting while granting bicycle users flexibility in gate access. This transformative endeavor signifies a shift towards modern access management, promising enhanced efficiency, transparency, and safety, ultimately benefiting the entire DKUT community in an increasingly digital age.

Expected Benefits

- Enhanced Security
- Reduced Theft Incidents
- Streamlined administrative tasks

Main Objective

To develop a Check in check out system for DKUT

SPECIFIC OBJECTIIVES

1. To register users
2. To check in and check out users
3. To generate daily and monthly reports on any crime issues
4. To print visitor badges

Case Studies

The Verkada Visitor Management System

The Verkada Visitor Management System is a cloud-based visitor management system that helps organizations to improve security, streamline visitor check-in, and manage visitor data more efficiently.

Features:

1. Pre-registration: Visitors can pre-register online, which saves time and improves the visitor experience
2. QR code check-in: Visitors can check in using a QR code, which is quick and easy
3. Integration with existing security systems: The system can be integrated with existing security systems, such as access control systems and video surveillance systems
4. Visitor tracking: The system tracks visitors in real time, so organizations can always know who is in their building
5. Visitor reports: The system generates reports on visitor activity, which can be used to improve security and identify trends

Case Studies

Sign In App

Sign In App is a cloud-based visitor management system that helps organizations of all sizes to improve security, streamline visitor check-in, and manage visitor data more efficiently.

Features:

1. Pre-registration: Visitors can pre-register online, which saves time and improves the visitor experience
2. QR code check-in: Visitors can check in using a QR code, which is quick and easy
3. Integration with existing security systems: The system can be integrated with existing security systems, such as access control systems and video surveillance systems
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Case Studies

Envoy Visitors

Envoy Visitors is a cloud-based visitor management system that helps organizations of all sizes to improve security, streamline visitor check-in, and manage visitor data more efficiently.

Features:

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Methodology

Agile.
This is due flexibility and iterative approach, allowing me to adapt changing requirements and deliver working software early and consistently. This is crucial for meeting the evolving needs of the target audience.

Phases in Agile development

1. Requirements gathering and analysis
2. System design
3. Implementation
4. Testing
5. Deployment

THANK YOU