iJRASET
International Journal For Research in Applied Science and Engineering Technology

INTERNATIONAL JOURNAL FOR RESEARCH

IN APPLIED SCIENCE & ENGINEERING TECHNOLOGY

Volume: 9 **Issue:** V **Month of publication:** May 2021

DOI: https://doi.org/10.22214/ijraset.2021.34279

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International Journal for Research in Applied Science & Engineering Technology (IJRASET)
ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.429
Volume 9 Issue V May 2021- Available at www.ijraset.com

Visitor Management System

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Abstract: ***Visitor management system as the name suggests it is used in places where a large number of visitors come and go. Whether we are running a huge corporate company or a small office, we'll need to affect visitors on a day to day. For the sake of safety, we should always keep track of all those that visit your premises. Visitor management system records the visitant details within the database to take care of records of all the people that visited the building. By stacking information, a Visitor Management System can record the usage of the facilities by specific visitors and offer documentation of tourists. Modern visitor management system allows the operator to know the visitors are inside the premises replacing with the old technique of manually entering where keeping track of who is currently inside the premise. On the time of registration the Visitors are given access which indicates where the visitor should have access of. System also has inbuilt facility to point or investigate previous visits made by the visitor which increases authentication of tourists. Manual systems are boring due to its time consumption but during this visitor management software it records all-relevant information about the visitor and stores it automatically.***
Keywords: system, stacking, authentication

I. INTRODUCTION

The System will support a Visitor Management System (VMS) to allow keep track of visitors, employees, assets and deliveries as they enter and exit the premises. The system will reduce visitor queues by processing multiple visitors simultaneously at one station which will save a lot of time of the people . The system must monitor the visitors have passes, as well as their expiration dates, visit areas, hosts visited, and visit purposes, all of which must be saved in the database.. In addition, the VMS shall allow the user to stay track of contractors and consultant time sheets, track which Employees have regular personal Visitor have arrived , left , or are still in the premise , secure Visitor Log , clearly identify Visitors by category to allow them access to certain part of the premises , generate end-of day reports to ensure regulatory compliance.

II. LITERATURE REVIEW

“Today, many businesses have their own mechanism for managing visitors who access their facilities. Using a logbook to register and record visitor information is a common practice. This registration activity has some flaws, such as the possibility of misplacing the visitor logbook during guard shift exchange, visitor details in the logbook being revealed to each visitor, and the handwritten visitor logbook being difficult to read and check. Video door telephone systems are common in advanced home security technologies because they enable you to communicate comfortably with visitors without having to interact with them physically. However, a stand-alone intercom device is often needed to handle calls received at the building's doorway while the owner is away from reception. As a result of this situation, a computerized visitor management system (VMS) was developed to collect visitor information using identity proof and store it in a centralized database.

III. SYSTEM ARCHITECTURE

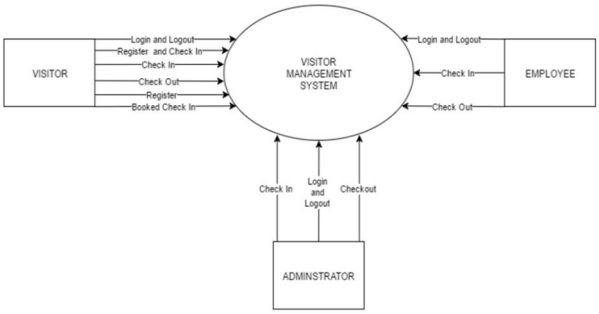

Fig -1: DFD LEVEL 0

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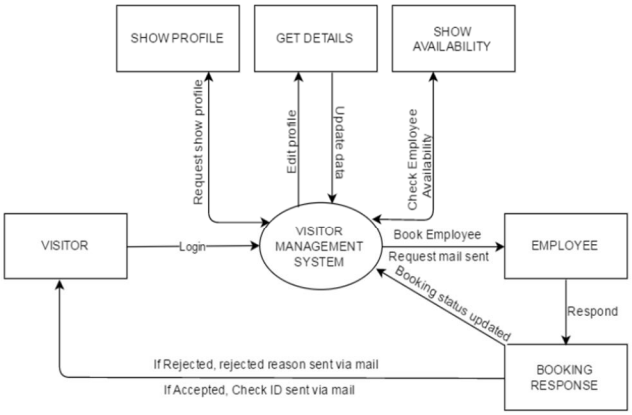

Fig -2: DFD LEVEL 1(Visitor Side)

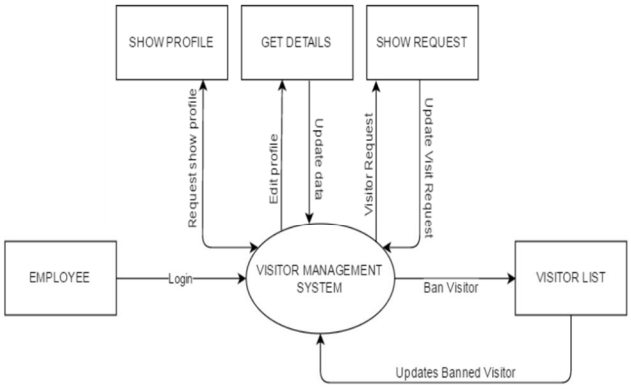

Fig -3: DFD LEVEL 1(Employee Side)

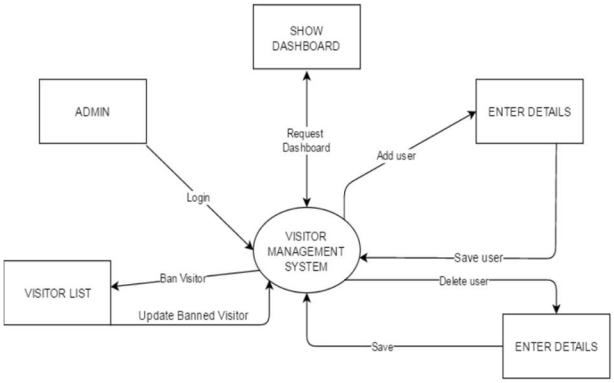

Fig -4: DFD LEVEL 1(Admin Side)

IV. PROPOSED METHODOLOGY

The proposed structure is made up of three panels: visitor, employee, and administrator. The visitor(s) must complete a registration form. They must be checked after registering, or admin would be able to add them. Personal visitors and official visitors are the two types of visitors who must provide the necessary information. After that, visitors can check in to see if a specific employee is on campus. If a guest wishes to book an employee for a potential visit, they can do so by checking and booking the employee. From the employee's perspective, he or she will log in to see a list of registered guests. He or she may also accept or deny the offer. The administrator may add a visitor, an employee, or another administrator to the system from the administrator's side. The admin may then prevent an employee or visitor from accessing the system from the admin side.

V. CONCLUSION

By storing daily visitor information in a database, a visitor management system is very useful for large organizations. Both types of visitors have the ability to access the website and book an employee. Visitors will verify the availability of employees in our visitor management system. Employees may obtain information about the guest who has made a reservation for them. Employees can welcome or deny visitors, while administrators can only access and manage a database.

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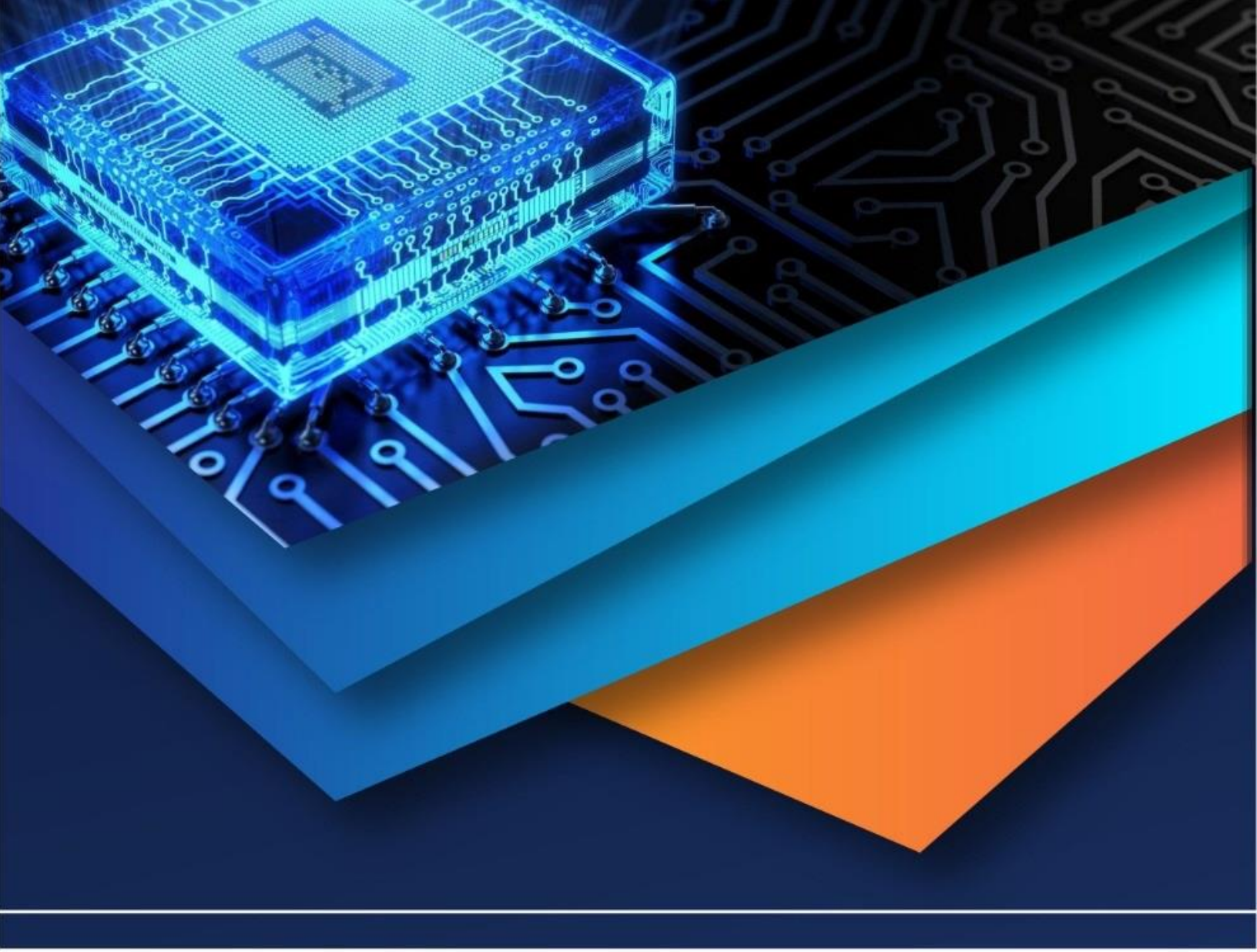

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