



ATTENDANCE MANAGEMENT SYSTEM IMPLEMENTING INTERNET OVER THINGS (IoT) FOR DOOR OF FAITH CHRISTIAN CHURCH

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Abstract: In this paper, the idea of the Internet of Things (IoT) is any system gadgets that are associated with the web. It is embedded with equipment, sensors, and programming that has a physical system which engages the interface and to assemble data. Radio-Frequency Identification (RFID) is a machine that has electromagnetic fields that consequently recognize and track a protest that has following labels. The following tags contain electronically-put away data. The participation of the board framework utilized an IoT and RFID in checking the involvement of the customer. The RFID is physically associated with the participation of the executive's structure. The customer is utilizing distinguishing proof information with following labels. Using the RFID, we examine it, and the data naturally put away on participation the executive's framework.

Keywords: IoT; Radio-Frequency Identification (RFID); Tracking Tags; Attendance Management System

1. INTRODUCTION

The nearness of present day and bleeding edge strategy for living and its steady advancement on the overall population is a direct result of unsatisfied and consciousness of individuals in making and finding convincing techniques for living by the usage of PC. It is a device that figures, especially a programmable electronic machine that performs quick logical or sensible assignments that can accumulate, store, relate and process information. Having this kind of progress makes a different strategy for living. The web is a framework for trades especially for online organizations and besides upgrades the systems for various trades.

Data Technology settles the gap between individuals and advancement. As we probably are aware it where everything is just a single tick away, improvement transforms into the most crucial part in making changes. We're living in an electronic world that makes a constant likelihood for a predominant future. Development has a huge effect on the travel of living of an average person. It progresses through time, and it ends up being additionally created and becomes faster.

Even though the congregation is developing regardless, they utilize manual participation and observing. With this, we propose cooperation the executive's framework to the concerned gathering. With this framework, the weight will be, and the information will be more precise.

Participation Management System Implementing Internet over Things (IoT) For Door of Faith Christian Church is to help and to offer advantages to the concerned gathering, and to make another method for cooperation and to limit the time taken for checking and to amplify the information social affair and precision.

1.1 DESIGN OF THE STUDY

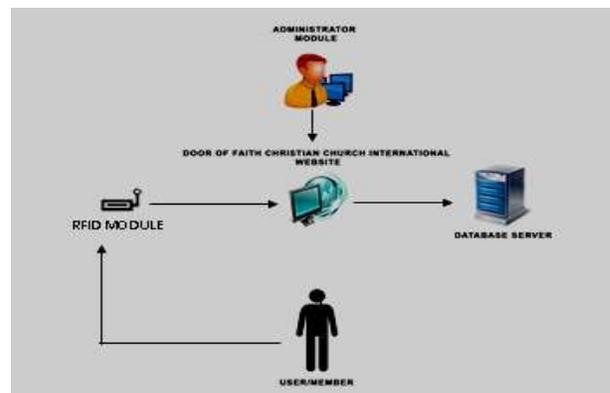


Figure 1 System Architecture

Figure 4 demonstrates the building diagram of the support organization structure realizing IoT; the system supervisor will be the individual who is reliable in checking cooperation of the people, make revelations, and make all of the reports.

The framework will give online organization of interest and affirmations through the web by visiting the website and RFID for support prohibitive only for the people from the assembly that selected on the structure. The system will provide for the graphical depiction of week after week support including the amounts of people who are incorporated and are not in the phone gathering.

1.2 DATABASE SCHEMA

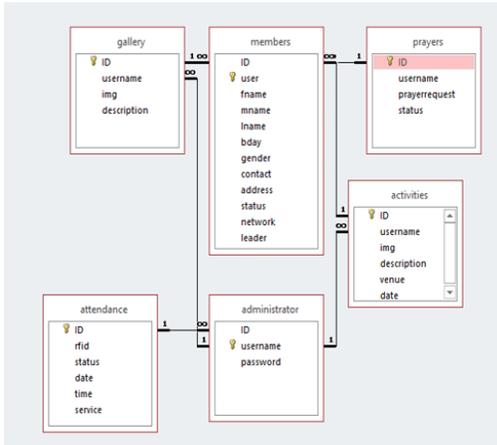


Figure 2 Database Schema

This figure demonstrates the database plan for the proposed framework.

1.3 USE CASE DIAGRAM

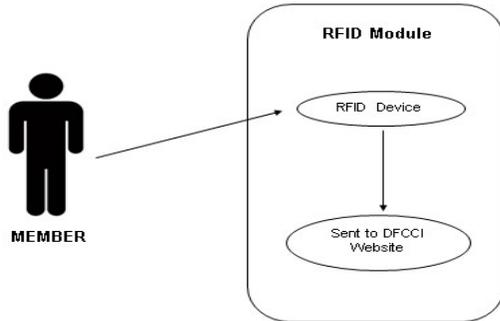


Figure 3 RFID Module

Figure 3 demonstrates that the part will do participation by tapping their RFID to the RFID Device and it will send the individuals' remarkable id number to the site of the congregation.

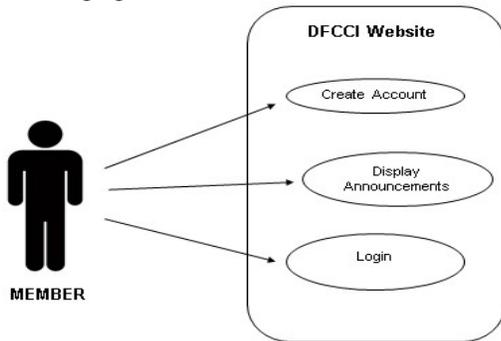


Figure 4 Door of Faith Christian Church International Website Module

Figure 4 demonstrates that the part can utilize the site by making their very own record on it, the component can use the site for login. The individuals can see the declarations.

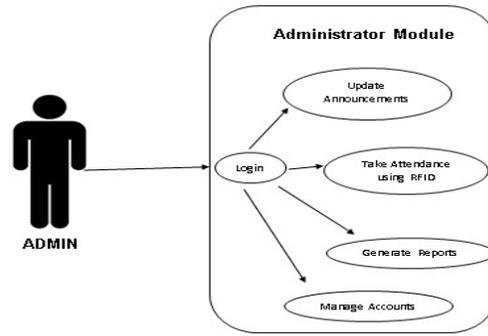


Figure 5 Admin Module

Figure 5 demonstrates that the Admin will deal with the framework by including, altering and erasing declarations inside the site. The executive will be the person who's in control in refreshing data about the statements that can be seen on the site. The will administrator likewise deals with the reports.

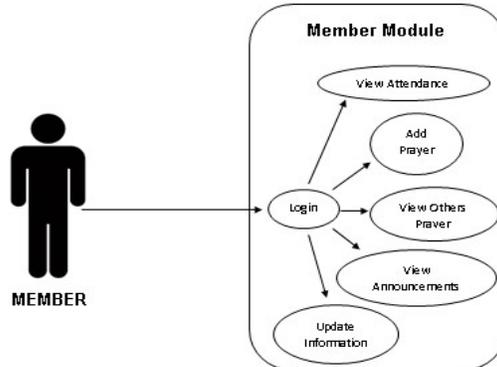


Figure 6 Member Module

Figure 6 demonstrates that when a part login to their record they can see declarations, include petitions, see different individuals supplication demands see their very own participation and refresh their record data.

1.4 SOFTWARE TEST PLAN

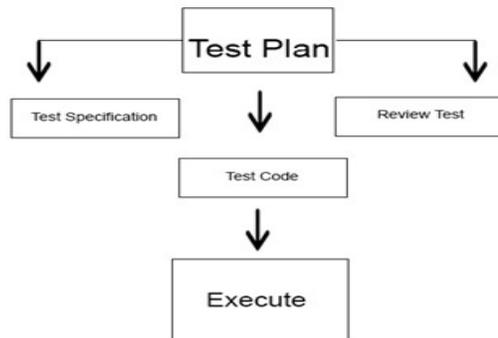


Figure 7 Member Module

The product test plan will be the documentation of the structure. It will fill in as a guide in making a helpful system. It will be the system of the flood of the fabric to create a certification thing or system to meet its arrangement specifics and various necessities.

2. LITERATURE SURVEY

As per the Authors, to build up this Attendance Management System Implementing Internet over Things (IoT) For Door of Faith Christian Church [1] to offer advantages to the concerned gathering, and to make another method for collaboration and to limit the time taken for checking and to boost the information social event and exactness.

As indicated by the Authors, this investigation is to build up participation the executive's framework actualizing IOT for Door of Faith Christian Church International [2] can screen the involvement of the congregation's individuals and will produce week after week reports.

As per the Authors, this investigation is to build up participation the executive's framework actualizing IOT for Door of Faith Christian Church International [3] that will use IoT explicitly RFID gadget.

3. FLOW CHART

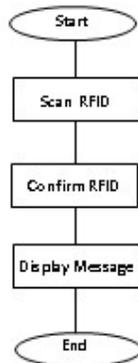


Figure 8 RFID

The part effectively takes participation utilizing the RFID. The information assembled will be used for the participation capacity of the framework.

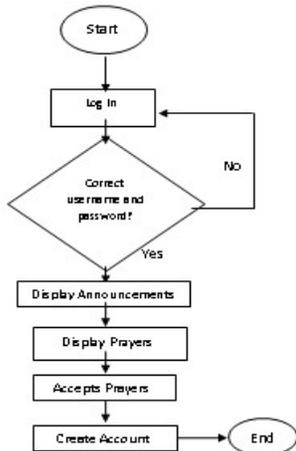


Figure 9 DFCCI Web

The framework will show declarations, supplications demands from all clients, acknowledges petition ask for when the login is fruitful. The structure will invite the client to make a record all together for them utilize the structure and for the observing of the individuals.

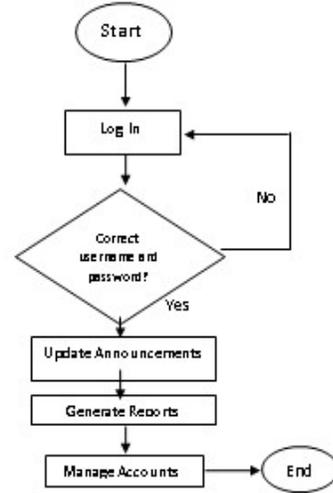


Figure10 Administrator Web

The administrator needs to sign in first. The framework empowers the framework manager to deal with the client account, refresh/make declarations, and produce reports. Reports for the participation and the observing of individuals can likewise be created.

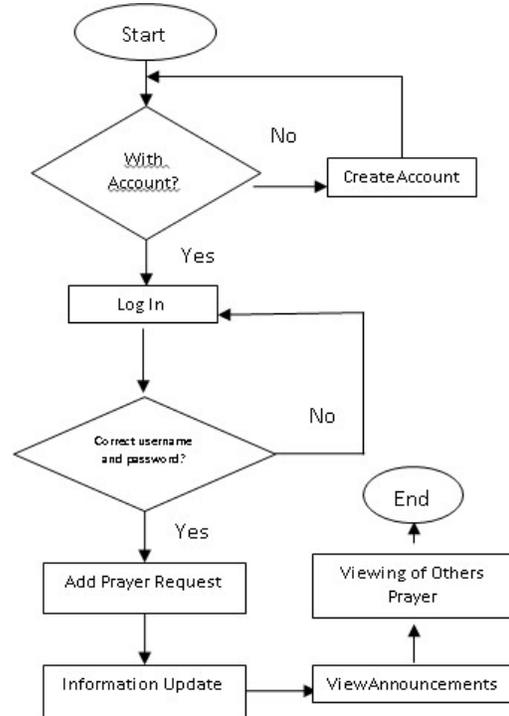


Figure11 Member Web

Part makes a record and signs in.

They can include their supplication demands, refresh their record data. The client can see declarations and other part's petition demands and their participation.

4. RESULT AND DISCUSSION



Figure 12 Homepage

This Figure demonstrates the landing page of the Attendance Management System Implementing IoT for Door of Faith Christian Church International.

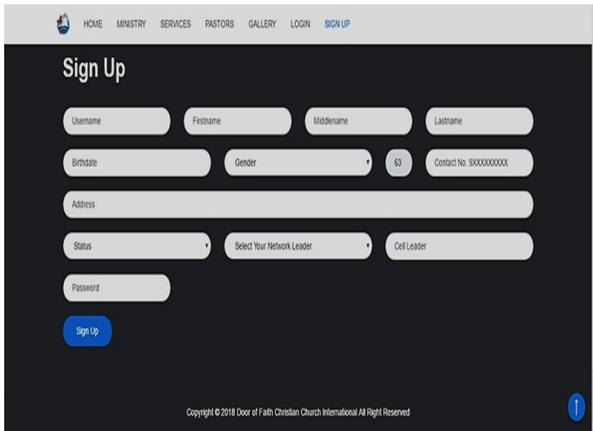


Figure 13 Member Sign up

This figure demonstrates that the part needs to enter his/her data previously they sign in.

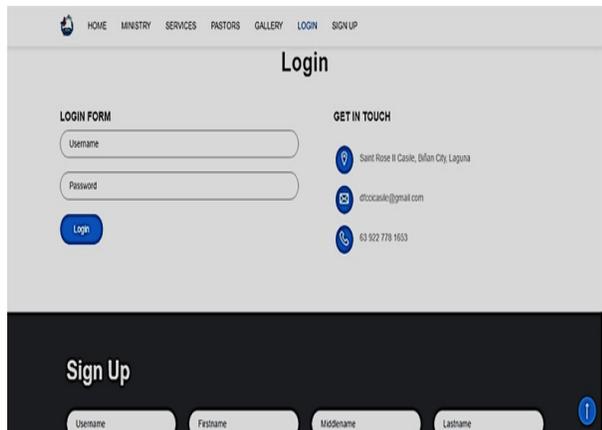


Figure 14 Login

This figure demonstrates that the part needs to enter his/her login data before getting to the framework.

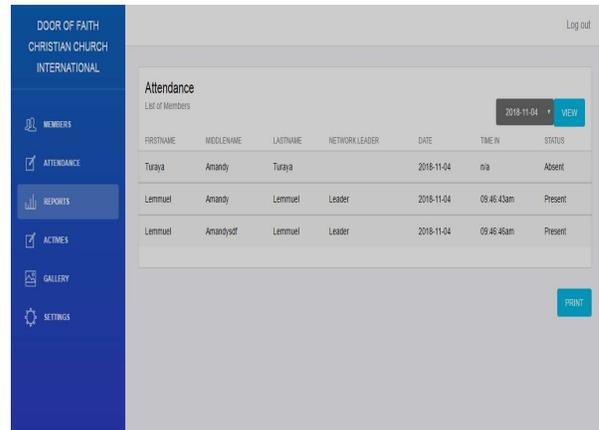


Figure 15 Monitoring the Attendance of the Church's Members

This figure demonstrates that the administrator can see the participation taken utilizing the RFID.

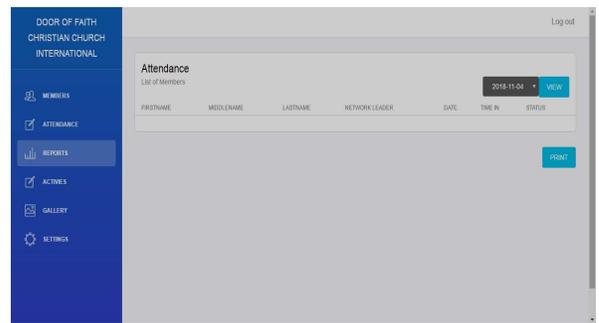


Figure 16 Weekly Reports of Attendance

This figure demonstrates that the administrator can will the date to show the reports of the participation taken utilizing the RFID.



Figure 17 Utilize IoT, Specifically RFID Device

This figure indicates the page that will acknowledge the RFID no taken utilizing RFID scanner that is associated in the PC.

5. CONCLUSION

In light of the targets of the investigation and the consequences of the assessment the accompanying ends are:

1. The Attendance Management System Implementing IOT for Door of Faith Christian Church International can undoubtedly take the participation in a very convenient way. They don't need to record their names to a piece of paper that goes about as participation.
2. The observing of the week by week participation of the congregation will end up simpler.
3. The individuals will wind up mindful of the action of the congregation.

5.1 RECOMMENDATIONS

The specialists suggested the accompanying:

1. Make participation the executives in cell groups and gatherings.
2. Make participation administrations on tutoring and teaching.
3. Create reports for every cell gatherings.

REFERENCES

- [1] Somayya Madakam,Siddharth Tripathi “Internet of Things (IoT),”2015.
- [2] Nurbek Saparkhojayev “Attendance Control System based on RFID-technology,” Suleyman Demirel University, Kazakhstan.
- [3] Steve Officer “History of the Internet of Things,” 2018.