**Aims and Objectives**

**Aims**

Our main aim is to create a web-based visitor management system that allows parents to easily enter the school to see their wards, prevent unwanted visitors from entering the school and improve the general security of the school.

**Objectives**

By the end of this project, the following should have been accomplished:

* A web-based visitor management system that will use OTP verification.
* A database system to store the information of all who use the system.
* A system that will work at the two gates of the RMU campus that will be used to verify the identity of the person.

**Methodology**

Information needed for the project will be gathered from various sources. In gathering and analyzing necessary information needed for the system, two major finding techniques will be used:

1. Primary source

The primary source of data will be obtained from internet downloads, library source, journals and other books.

1. Secondary source

The secondary source of data will be obtained from reviewing other visitor management systems that are in use in other places.

**Tools and Techniques to be used**

The projects feature will be developed using the PHP programming language.

This was chosen because it is known to be one of the simplest ways of creating software that can connect well with HTML and the database. The interface of the web application will be developed using CSS, HTML, JavaScript.

The database will be created using MYSQL which is a popular choice as a universal database software for local storage in application software such as web browsers.

**Literature Review**

The visitor management system is important and plays a vital role in mays institutions, offices, companies and other workplaces and Regional Maritime University is no exception to that. In order to ensure that the people entering and exiting the R.M.U campus are actually who they claim to be and to keep those residing on the campus safe, the implementation of the visitor management system is absolutely necessary.

Through observations, it’s been deduced that the inexistence of a proper visitor management system often causes a lot of commotion at the gates and sometimes blocks other people from entering since the cars have to be attended to one by one and the people in the car then have to be questioned by the security in charge and that takes up quite a lot of time. There’s also no way for the security in charge to actually confirm the identities of the people therefore some people whose genuine intentions are to visit a ward or someone else in the school are denied access at the gate and told to return or have to wait for long periods of time in order to properly confirm their identities, leaving some parents in frustration with the school.

That’s why it’s once again absolutely necessary to have this system implemented so that such instances like the aforementioned instance does not reoccur.

**Review of Other Visitor Management Systems**

**SINE**

Sine is a cloud-based visitor management solution that serves small, midsize and large businesses. It's suitable for a variety of industries including construction, schools, hospitals, offices and property managers. Key features of the solution include visitor registration, automatic notifications, badge printing, reporting and analytics. A mobile app is available for Android and iOS devices. It provides QR code check in, check out reminders, visitor verification and mobile printing features. Sine offers integration with Outlook, iCal and Google. Sine is available with both monthly and annual subscription options. It is available worldwide and offers support through email, phone, video tutorial, FAQs and a knowledge base.

Advantages of the System

1. When we initially launched Sine for the shopping centre I had a few questions out of hours and used the online chat support and found it efficient and helpful with appropriate follow up.
2. Love the ease of use of this software, customer service assistance is amazing, very helpful and any issues are dealt with and rectified immediately. Presentations are easily uploaded for use.
3. The integration capabilities. The ease of use from a visitor standpoint.

Limitations of the System

1. Sometimes it would not work properly when signing out. I also clicked on the wrong person once when signing in and there appears to be no option to change or amend this.
2. Not registering when all people have completed the induction making it frustrating for users.
3. Lag from users check in and check out doesn't refresh for about 15 minutes. The directory sucks too.

References

<https://www.softwareadvice.com/visitor-management/sine-profile/>

<https://www.softwareadvice.com/visitor-management/sine-profile/reviews/>