UNIVERSITI TEKNOLOGI MARA

FACULTY OF INFORMATION MANAGEMENT

INDUSTRIAL TRAINING REPORT:

THETA EGDE BERHAD

TINGKAT 13, MENARA TABUNG HAJI TUN RAZAK, JALAN TUN RAZAK, 50450, KUALA LUMPUR

SPECIAL PROJECT: ISM REPORT LOG MANAGEMENT SYSTEM

BY:

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IM245 - BACHELOR OF SCIENCE (HONS.)

INFORMATION SYSTEM MANAGEMENT

FACULTY OF INFORMATION MANAGEMENT

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REPORT SUBMITTED IN FULFILLMENT OF THE REQUIREMENT FOR THE INDUSTRIAL TRAINING

FACULTY OF INFORMATION MANAGEMENT

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DECLARATION

I hereby declare that this is my original work. I have not copied from any other student's work or from other sources. I am also declare that no part of this report has been published or submitted for publication except where due to reference or acknowledgement is made explicitly in text, nor has any part been written for me by another person. I confirm that I have read and understood the UiTM regulations with regards to plagiarism and will be penalized by the university if found guilty.

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2016340829

Date of submission: 4 July 2019

ABSTRACT

The Industrial Training subject IMC690 provides pre-professional work experience with specific assignments and responsibilities. The student will be undergo the industrial training based on the period from 1 February 2019 to 28 June 2019 in Integration System Management (ISM), Tabung Haji Information Department at Theta Edge Berhad. To fulfil the faculty's requirement, students should involve in information management related work during their training. This might include areas such as library science, resource centre management, and records management and information management system. The student involve in the operation of ISM Team relate to the conducting system and bank request, fixing bugs and issue management and also server maintaining. Student can learn a lot of new thing that beyond the IM245 courses and also experience in real environment in the industry. Besides that, student also prepare and complete their special project to fulfil the IMC690 Industrial Training Subject.

Keywords: *Industrial Training, Tabung Haji, Theta Edge Berhad, student, special project*

ACKNOWLEDGEMENT

First, I would like to give my deepest appreciation to Allah S.W.T for giving us a good health and giving me all the idea to finish this project. Without His blessing, I would have never completed it.

I would also like to thank my beloved faculty supervisor, En. Mohd Akmal Faiz Bin Osman and my organization supervisor, En Mohd Zadi Bin Mohd Syah. Thank you for giving me knowledge, the idea, for the guiding me in improve my project and also give an opportunity to be a better student. Without your entire guide, I would never have basic to start this project and finish up the report of the project.

Other than that, I would like to thank to all of our members and organization staffs because giving full commitment and idea in finishing my assignment. Everyone has been helping a lot in giving the brilliant ideas.

Finally yet importantly, I want to give my special gratitude to our loving parents because giving all the support. All the support that they gave is my strength and aspiration

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CHAPTER 1: INTRODUCTION.

Figure 1: Theta Edge Berhad's logo

1.1 Background of the Organization.

1.1.1 History and Organization Background:

Theta Edge Berhad is a subsidiary of Lembaga Tabung Haji, and is one of Malaysia's pioneer Information Communication and Technology (ICT) Service Provider. The company made its debut on the Second Board of the Kuala Lumpur Stock Exchange in 1994 and moved to the Main Board in 1999 and currently is categorized under the Technology sector of the main market of Bursa Malaysia Securities Berhad. The Group has been in business for more than 30 years focusing on the IT Solutions, Telecommunication Engineering Services and Civil Works, Telecommunication Service Provider and also Green Technology Consultant and System Integrator, among others.

1.1.2 Function and Objective:

For the IT Solutions, they focus on three types of medium which are product and software implementation, system integration and implementation and also services. Product and software implementation providing several services which are Picture Archiving & Communication System (PACS), Big Data and Analytics and Hospital Information System (HIS). System integration focusing on application and system development, security cameras and video surveillance system and digital asset. Other than that, IT solutions also provide the desktop managed services, maintenance support, call centre, data centre interactive digital display, infrastructure support and also consultancy services.

Next is Telecommunication Engineering Services Civil Work and Services Provider, its divided into three which are engineering services, managed service and VST. For the engineering services enables our customers to design, plan, test, commission and optimize communications networks. They specialize in providing innovative engineering services for RF, transmission, wireless and various communication technologies – keeping connected anywhere anytime. Managed services offer expert resources to monitor and manage the network components. VSAT (Very Small Aperture Terminal) is a satellite communications

system that serves home and business users. A VSAT end user needs a box that interfaces between the user's computer and an outside antenna with a transceiver. The transceiver receives or sends a signal to a satellite transponder in the sky.

Lastly is Green Technology Consultant and System Integrator also divided into three which are energy management, facilities management and green technology. All the services focusing on saving the energy and management of energy.

Theta Edge's businesses continues to grow and currently has more than 300 professionals employed specialising in various fields to deliver solutions to their customers. Theta Edge continues to nurture these professionals with current knowledge and tools to provide solution offerings in dynamic technology environment.

1.1.3 Mission:

Theta Edge will be a sustainable business and will be profitable by having loyal customers and communities. We will deliver products and services and create intellectual properties that are relevant to address these customers and communities.

1.2 Organization Structure.

1.2.1 Board of Director:

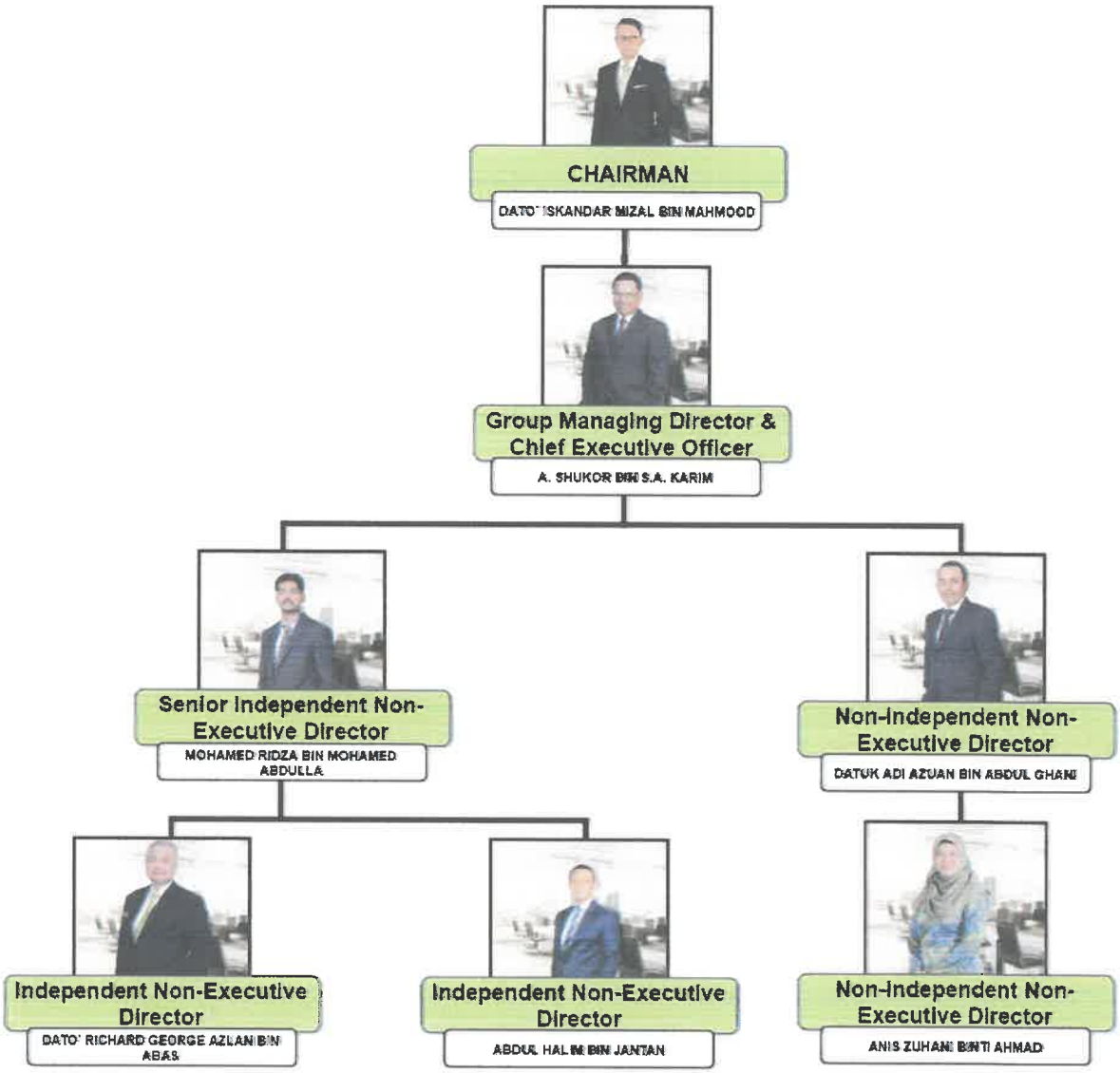

Figure 2: Theta Edge Berhad's board director

1.2.2 Integration System Management Team:

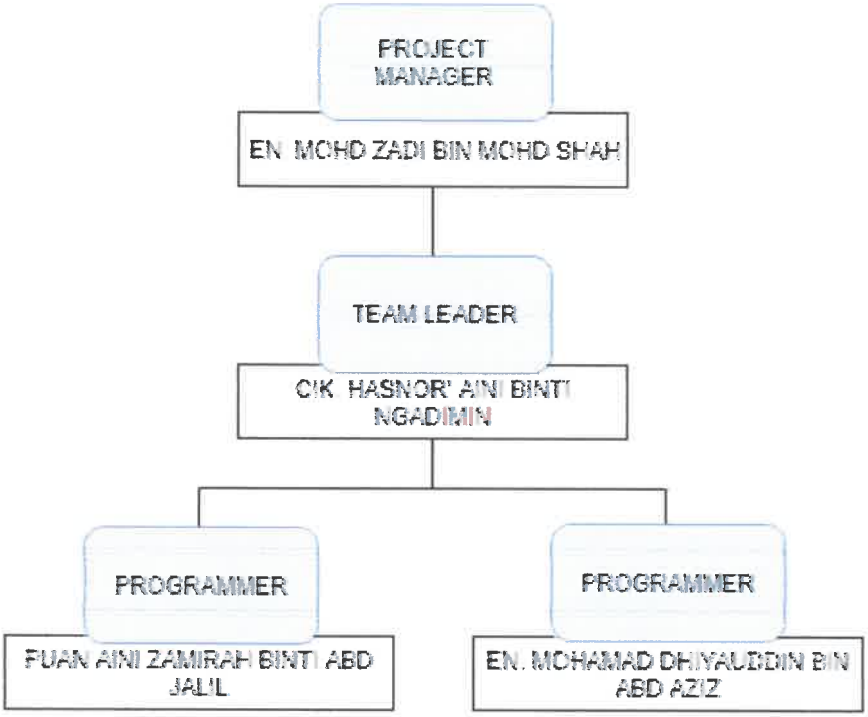

Figure 3: ISM Team members

CHAPTER 2: ORGANIZATION INFORMATION.

2.1 Department Structure.

2.1.1 Tabung Haji Information Technology Department.

Information Technology Department located at floor 13, Menara Tabung Haji Tun Razak, Kuala Lumpur. Tabung Haji Information Technology Department are responsible for the governance of the Tabung Haji's information systems and the strategic use of information, communication and network technology. Beside that to ensures that the efficiency and effectiveness of the functions and operations is enhanced through the strategic use of information technology. Tabung Haji Information Technology Department control all the operation and production of Tabung Haji system and application, technical, technologies facilities and server and database management.

The Tabung Haji Information Technology Department plans, runs and promotes the IT infrastructure of an organization, allowing company users to perform their tasks in an efficient, productive and secure manner. The department needs to satisfy various business and technical demands, provide a safe IT infrastructure and minimize expenses.

2.1.2 Integration System Management Team (ISM).

The trainee was placed in the Integration System Management team (ISM). As a vendor for Tabung Haji Information Technology Department, Integration System Management Team (ISM) also known as development team. ISM responsible in developing, configuring, creating, planning, testing, fixing, maintain, preserver and conserve and setting all the application, system and database of Tabung Haji before produce it to the production (Tabung Haji Information Technology Team). Integration System Management Team consist 3 members that lead by the team leader. ISM team leader is Cik Hasnor' Aini binti Ngadimin supported by two programmer which are Puan Aini Zamirah bin Abd Jalil and also Encik Mohamad Dhiyauddin bin Abd Aziz. Sometimes, if there were a big operation, the team also will be supported by development staff from headquarter. All the activities and operation are been done at floor 13, Tabung Haji Information Technology Department. ISM Team play an important role as a backbone for Tabung Haji Information Technology Team in maintain and supporting the operation of Tabung Haji Information Technology Department.

2.2 Integration System Management Team (ISM) function.

For the development and planning, Team ISM follow base on the 4 principle which are development, user acceptance testing, staging and also production. Most of the system development and maintenance are depend on user demand and also the change of technology nature. The team works with Tabung Haji staff to create an IT strategy that promotes the company goals of the organization and helps to create a powerful competitive advantage. They customize IT system software and other components to fulfil company department requirements. The team also guarantees the correct amount of IT resources are accessible to satisfy evolving demand levels. The IT team is investigating alternatives such as outsourcing infrastructure management or leasing extra IT ability from an internal supplier to boost flexibility and responsiveness.

Team ISM also responsible to maintain and manage the existing system that daily use for the operation and transaction of Tabung Haji, for example, HMS Manager system and BI Communication Console system. Most of the system relate with the bank transaction and also allowing for other organization to do testing for the system. The work necessary to create the applications that can set a business apart from the others requires an IT department with programmers, analysts, interface designers, database administrators, testers, and other professionals.

The team also responsible to fix the bugs that receive from testing or production department (Tabung Haji Information Technology team). The team also have to recognize the bug fix that change to a system or product designed to handle a programming bug or glitch. Many different types of programming bugs that create errors with system implementation may require specific bug fixes that are successfully resolved by a development or other IT team. Bug fixes also may be used in specific company protocols for identifying and fixing bugs. For example, Production team inform development teams about bugs through an authorized program analysis report or user acceptance test. The bug fix is issued when the bug has been fixed and represents an effective resolution to the problem.

Other than that, Team ISM also have to maintain the Tabung Haji Server which are application server and database server. It is important to ensure that the percentage use of the server is not more than 80% which will cause server down. Introduces and maintains computerized information systems to process data efficiently to produce useful and timely information. Provides the appropriate hardware, software, networking and communications infrastructure for automation. Provides the highest level of data security, confidentiality and integrity. Ensures a safe and reliable computing environment and provides a high degree of availability and recovery of its systems.

CHAPTER 3: INDUSTRIAL TRAINING ACTIVITIES.

3.1 Training Activities.

Although the headquarter for Theta Edge Berhad at Oasis Square, Ara Damansara, the trainee was placed at Tabung Haji Information Technology Department, Kuala Lumpur to support vendor team. All the industrial training activities has been done there. The trainee responsible to support Team ISM which involve in the process of system development, maintaining server, monitor transaction, back-end programmer and others. For Team ISM there were 3 members which are Puan Aini, Cik Hasnor and Encik Dhiyauddin.

3.1.1 Housekeeping.

3.1.1.1	Check memory usage of the production servers 104/105/100/101.	This is one of the main task for the trainee. Once of two times a week the trainee have to check the memory usage of the server to ensure the percentage of use not more than 80% using Linux. If the usage is more than 80% there were action that will take to avoid the server down, if not transaction cannot be made or the system down. The action that usually will be implement is truncate the tables and backup to other space or server. For this process, the trainee have to go to the production office and ask the Tabung Haji staff login to the production database server through Linux and use specific command to view and display the memory usage of the server.
3.1.1.2	Check ism table space in the server.	The trainee also responsible to check the space in the table ism before do the truncate and backup process. It is important to ensure only certain table will be truncate and backup. Besides that, the trainee also have to check the space of the table after truncate and backup process have been made. For all the process, the trainee also have to use the specific Linux command to check the table ism space.
3.1.1.3	Truncate tables data in the database	The trainee need to ensure only the file that created after 4-5 days only that can be truncated. The trainee need to use truncate Linux command to truncate the file. Only certain types of file that need to truncate if handling the housekeeping process
3.1.1.4	Backup table data in the database.	The trainee will back up the particular table to other server or space before truncate the tables. It is important to ensure the data in the table have a backup before the original data will be

		delete/ truncate. Then the truncate process will be implement. As usual trainee will use Linux command to back up the data into specific space. For the process, the trainee have to use the Linux command.
3.1.1.5	Check the development server memory usage.	The trainee responsible to login to the development server through Linux and use specific command to display the development server memory usage.

Table 1: List of Housekeeping activities.

3.1.2 System Operation & Bug fixes

3.1.2.1	Adjusting the calendar function in Tabung Haji Rest House system.	Tabung Haji Rest House system booking system have a calendar function for the booking interface for both parties which are user and admin but there were problem in the admin section which the calendar is not flexible and will be hidden if open the system using the mobile web-base. The trainee responsible adjust the php coding to make the calendar function flexible and enable for mobile web-base.
3.1.2.2	Sign On and Sign Off request.	Sign On and Sign Off process are a request from the several bank that provide and test the Tabung Haji banking process. The trainee have to use HSM Manager System to do this process which base on the request of the bank. In other cases if the request from Bank Rakyat, the trainee have to check the IP address first accurate with the bank IP address or the IP address that requested by the bank.
3.1.2.3	Check and Change the Bank Terminal Port.	In the Sign On and Sign Off process, if the request from Bank Rakyat there were two types of request which are COBRA and BAU, if from COBRA the trainee just need to enable the channel then Sign On. If the request is for BAU, the trainee have to Sign Off first, then enable the BAU channel and change the IP address to BAU's IP address. After that, Sign On back.
3.1.2.4	Monitor and checking network statistics (netstat).	Network Statistic is a common command line TCP/IP networking utility available in most versions of Windows, Linux, UNIX and other operating systems. Network statistic provides information and statistics about protocols in use and current TCP/IP network connections. For monitoring the nestat, the trainee have to login in the development server, and use the specific Linux command to check the network statistic, if it display "establish" so the network statistic is work fine. If the "establish" do not appear, so the trainee need to inform Puan Aini which one of Team ISM member because maybe there were some error.
3.1.2.5	Monitor the BKRM (Bank Rakyat) port.	In this process, the trainee also have to login in the development server, then use the Linux command to select the specific folder. After select the specific folder, the trainee

		need to select the specific log and check the port is connected to the accurate IP that requested by the bank. If not the trainee have to change it in the BI Communication Console System.
3.1.2.6	Monitor development server usage 133/134.	The trainee have to login into development server to check the server usage. Then, the trainee have to use specific Linux command to check the usage space. If the usage more than 80%, the trainee will report to ISM Team's member whether Puan Aini or Puan Hasnor.
3.1.2.7	Monitor production server usage 100/101.	The trainee also responsible to check other production server which are 100 and 101. Both server usually use as a backup server for housekeeping process. For this process, I have to ask the Tabung Haji staff to login the server using Linux and use specific Linux command to check the server. As usually I have to update the memory usage to ISM Server Log.
3.1.2.8	Adjusting and enable admin email function in Tabung Haji Rest House System.	In the Tabung Haji Rest House system, for the booking session there were admin email text area and button which not working when the admin make a booking for the user. The trainee responsible to adjust and try to enable the email function for admin.
3.1.2.9	Create new mail function for check out Tabung Haji Rest House System.	The trainee responsible to create an automatic mail function after the visitor checkout from the Tabung Haji Rest House System. When the visitor click the checkout button then the information will be automatically send to administrator. This function do not exist yet, so the trainee have to develop the function.
3.1.2.10	Teach the staff how to truncate tables for housekeeping process and Sign On.	The trainee responsible to teach one of the Tabung Haji staff which is Haji Mazli how to truncate tables for Housekeeping process and also Sign On process in the production office.
3.1.2.11	Design and develop PHP Display.	The trainee responsible to create and design a php file that display date, Hijri date, wukuf day calculation and wukuf date in Hijri. The trainee have to develop a calculation for Hijri Calendar accurately that will be display during the Hajj season.

3.1.2.12	Change the IP address of the development system to another IP address.	The trainee responsible to login the development server through Linux and use specific command that change the system IP address to another IP and inform its back to ISM Team members.
3.1.2.13	Tabung Haji Registration Simulation.	The trainee responsible to do the Tabung Haji registration simulation to know the process error. The trainee have to open BICOM Consoles and search the registration base on the account number. The have copy the raw message and change the information according current. The trainee also have to generate TAK number using HMS Manager. After complete the process the trainee have to run the message to generate the error code.

Table 2: List of system operation & bug fixes activities

3.1.3 Documentation & Proofreading

3.1.3.1	Update ISM Server Log.	The other main responsible of the trainee is updating the ism server log created using Microsoft Excel. After done the housekeeping process the trainee need to update several information in the ism server log for example the usage memory of the server before do the house keeping process, the space for both application and database server, the percentage of data had been deleted and also the usage of the server after the housekeeping process. The trainee using the Microsoft Excel to update the log.
3.1.3.2	PHP file location listing.	There were some changes for the name in the Tabung Haji Rest House System. The trainee find the php files that contain the name that need to be change and make a listing the files name and also the location using Microsoft words.
3.1.3.3	Proofreading the housekeeping manual.	Proofreading process that had been made by the trainee is checking several documentation that relate to the steps of certain process. The trainee have to check the process that has been documented is accurate base on the actual process. The trainee also have to check the code that used are accurate and no spelling error.
3.1.3.4	Housekeeping Process Documentation.	The trainee responsible to create a documentation of housekeeping process. The steps have been given so the trainee have to make it more proper and formal including the picture of the server display that the trainee need to snap during the actual process of housekeeping.
3.1.3.5	BKRM: Uniteller Cancellation Issue Documentation.	ISM team leader will email the BKRM: Uniteller Cancellation Issue Documentation to the trainee. Trainee will check the issue in the BI Communication Console system based on the rate time and the date of the issue. Then the trainee will update the issue in the BKRM: Uniteller Cancellation Issue Documentation and email back to the ISM team leader.
3.1.3.6	BKRM Sign On Tutorial Documentation.	The trainee responsible create a tutorial sign on process for Bank Rakyat. The trainee have to print screen every step for the sign on process for Bank Rakyat start from changing the IP address using BICOM Consoles and sign on using HMS Manager, then documented the process with elaboration.

Table 3: List of documentation & proofreading activities

3.1.4 Special / Mini Project.

3.1.4.1	Seek for the problem statement.	The trainee try to evaluate the problem statement that can be as an issue for the special project topic. The trainee ask several of the ISM team members what kind of problem, issue or improvement that can be due to increase the performance of the operation or facilitate certain process.
3.1.4.2	Discuss the project title with the company supervisor.	The trainee discuss with the company supervisor which is En Zadi about the title and the project that will be proceed for the special project.
3.1.4.3	Creating and designing the system storyboard.	The trainee creating and designing the project story board and also the flow of the system. Storyboards help the trainee establish hierarchy for elements within a page, clearly define the grid and structure of the site, and help communicate and evaluate to the organization supervisor what the final piece should look like.
3.1.4.4	Creating and designing entity relationship diagram (ERD).	The trainee sketch and design the entity relationship diagram (ERD) that show the relation between entities of the system. Entities are equivalent to database tables in a relational database, with each row of the table representing an instance of that entity. An attribute of an entity is a particular property that describes the entity. A relationship is the association that describes the interaction between entities
3.1.4.5	Creating and designing data flow diagram (DFD).	The trainee sketch and design the data flow diagram to show the flow of every function of the system and also evaluate whether the function is suitable or not. The trainee use data flow diagrams to plan precisely how the planned aim of his new program will be achieved. While simpler programs could probably be made without using a data flow diagram for organization, creating more complex ones.
3.1.4.6	Creating and designing system context diagram (SCD).	The trainee sketch and design the system context diagram which show the diagram that defines the boundary between the system, or part of a system, and its environment, showing the entities that interact with it. This diagram is a high level view of a system.

3.1.4.7	Searching and evaluate the framework for the system.	The trainee searching and evaluate the types of framework that will be used in the system. The trainee use variety of source in the internet to ensure the framework is suitable with the system interface and also the function that will be apply in the system.
3.1.4.8	Developing the system based on the storyboard, diagrams and framework.	The trainee start to develop the system based on all the research and the diagrams that had been made. The code finally gets written in the programming phase. Using the system-design document as a guide, the trainee develop the program. The result of this phase is an initial working program that meets the requirements laid out in the system-analysis phase and the design developed in the system-design phase. Using a flow chart to ensure that the process of the system is properly organized. The development phase marks the end of the initial section of the process. Additionally, this phase signifies the start of production. The development stage is also characterized by instillation and change.
3.1.4.9	Consult the progress of the system with company supervisor.	The trainee make a consultation with the company supervisor to evaluate the progress of the system and also to know the suitability in all aspect of the system including the interface design, the function and also additional element that can improve the system.
3.1.4.10	Add the function and interface that suggested by the company supervisor.	The trainee redesign, add and improve several element in the system that suggested by the company supervisor.
3.1.4.11	Present the special project system to the company supervisor.	The trainee present and explain overall about the system as an industrial training special project to the company supervisor including the problem statement, interface, function and flow process of the system.

Table 4: List of special/ mini project activities

3.2 Special/Mini Project.

ISM Report Log Management System.

3.2.1 System Description.

ISM Report Log Management System is a platform for the staff to update the task that they have done and also can check the report that been made and also who make the report as a reference or evidence. The main function of the system is to record the task report that had been made by the staff and also to know who do the task so the team leader and also other ISM team members aware the tasks that have been done by the member in the team and also know who do the task. Another main function that provide in the system is ISM server Log. The ISM team members can update the ISM Server log anytime, anywhere and also can avoid the redundant of file. Usually, the staff will update the ISM Server Log if they do the housekeeping process or some of the element is down. ISM Report Log Management System provide an effective report management and also help the operation of development team.

3.2.2 Problems Statement.

I. Management of task.

Several task of ISM is developing new function and also fixing bugs and error. Most of the bugs and new function request will be receive from the client which is Tabung Haji to the team leader and the team leader will inform to the ISM teams member through email or Whatapps group.

There were several cases happen when staff have fix the bug or done to develop the new function, he just straight go to the client without inform to the team leader or other members, so sometimes the team members do not know who fix the bugs and when the bugs have been fix. Another factor that the cases happen also because the Tabung Haji staff itself wanted the settlement inform straight to them.

Other problem of task management is when the staff have done fixing the bugs and error, they just continue do other task without inform anyone, so the team leader and other member also do not whether the bugs or error have been fix or not.

II. Effective system.

For the ISM server log, they create a file using Microsoft Excel which consist the table that need to be update the information when complete do the housekeeping process or tomcat down. The staff will update manually and email back to other staff if there update of information. Some of the staff have several same file and do not know which file is up to date.

III. Task Recorded.

Recently in ISM there were 2 programmer, which will be change several times with the programmer at the headquarter, if have a request from the headquarter, the vendor programmer will go to the headquarter and the headquarter will replace it with other programmer. The problem comes when the bugs from, the programmer will check the source code, and do not know who develop the source code because the programmer always change.

IV. Human error.

Sometimes when the staff have done the fixing the bugs and the production process is running smoothly, the other staff redo or change the source code that can cause error or the source code is not compatible.

3.2.3 Target User.

I. Staff.

There were two types of user that use this system. The first user is the staffs. For the staffs, they can view their report history, profile and also make a new report. They cannot change or update any information in the report that have been made. Besides that, there was an interface which consist the report history of all the staff including the staff name, but they also cannot do any changes in this interface. The staffs also can download the report that they have made as a softcopy in pdf format.

II. Administrator (Admin).

The next user is administrator. The administrator can view all the report that have been made by the staff. Admin also can edit the report information in the report and also delete the report. In the admin interface also there were a function which can add new staff and update the staff information. Same function with the user interface, admin also can generate and download the report into softcopy pdf form.

3.2.4 System Objective.

1. Main Objective.

   To propose the usage of information system to manage the end report for better management.

2. Specific Objective.

   i. To avoid redundancy of work and also human error that can disturb the operation and application flow process.

   ii. To provide awareness for the staff to know who do and done the task.

   iii. To assist the staff to manage the task more effective and efficient.

iv. To provide a references and evidence all the information or task that have been update.

3.2.5 Tool Used for to Development.

Those are the hardware and software that we use to develop the system and user to use the service:

1. Developer.

No.	Hardware	Cost (RM)
1.	Laptop	RM 2,000.00
2.	WD External Hard-disc	RM 661.00
3.	Mini Server	RM 15, 000.00
	Total:	RM 17, 661.00

Table 5: Developer's hardware list.

No.	Software	Cost (RM)
1.	Microsoft Office Professional Plus	RM 450.00
2.	Adobe Photoshop	RM 300.00
3.	Xampp	-
4.	Sublime Text	-
	Total:	RM 750.00

Table 6: Developer's software list.

2. User.

No.	Hardware & Software	Cost (RM)
1.	Laptop	RM 2, 000.00
2.	Internet	RM 50.00
	Total:	RM 2, 050.00

Table 7: User's hardware & software list.

3. Function of Hardware & Software.

No.	Hardware & Software	Function
1.	Laptop	The main medium to develop and design the system.
2.	External Hard Disk	To store the information that receive from the user and staff and also can be as backup.
3.	Microsoft Office	The software to create a documentation and elaboration record of the system.
4.	Adobe Photoshop	To design the graphic and animation for the system interface.
5.	Internet	As a tool to collect information from the user that connect through online.
6.	Sublime Text	To develop and design the system interface that compatible with the PHP, HTML/CSS and JavaScript programming language.
7.	Xampp	Provides a user-friendly way to install and configure the "AMP" components on Windows.
8.	Mini Server	To store and preserve that data created from the system.

Table 8: hardware & software function

3.2.6 Project Planning.

The process of developing the system are according to the system development life cycle (SDLC). Start from planning, analysis, design, implementation and lastly maintenance. Overall the total duration for developing the system is 312 days.

Task Mode	Task Name	Duration	Start	Finish	Predecessors
	Planning	22 days	Fri 15/3/19	Sat 13/4/19	
	Assign Team member	4 days	Fri 15/3/19	Wed 20/3/19	
	State the problem and opportunities	4 days	Thu 21/3/19	Tue 26/3/19	2
	Determine objective	3 days	Wed 27/3/19	Fri 29/3/19	3
	Provide and distribute questionnaire	6 days	Mon 1/4/19	Mon 8/4/19	4
	Conducting iv and evaluation	4 days	Tue 9/4/19	Fri 12/4/19	5
	Analysis	26 days	Tue 16/4/19	Tue 21/5/19	
	Analyse current system	4 days	Tue 16/4/19	Fri 19/4/19	
	Discuss system proposed	7 days	Mon 22/4/19	Tue 30/4/19	8
	Conceptual data diagram & data dictionary	10 days	Wed 1/5/19	Tue 14/5/19	9
	Discuss system model	5 days	Wed 15/5/19	Tue 21/5/19	10

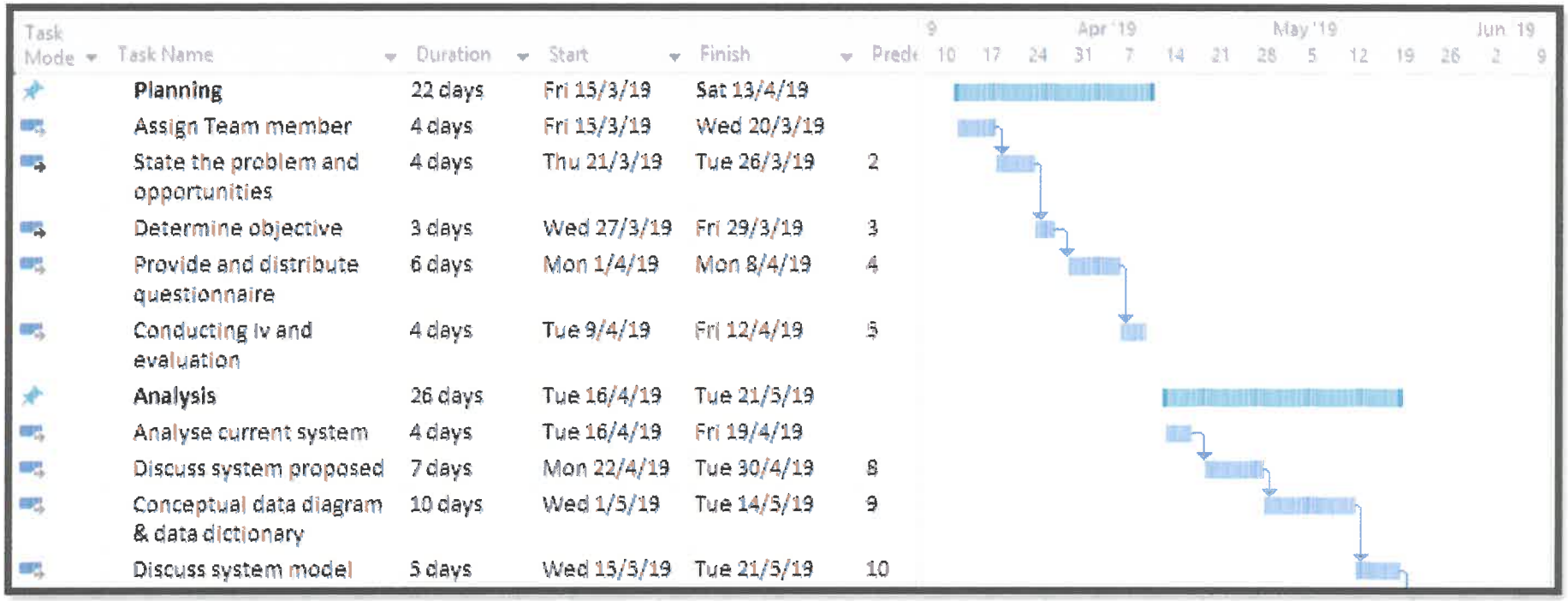

Table 9: Project development timeline.

	Design	30 days	Wed 22/5/19	Tue 2/7/19	
	Data flow diagram	5 days	Wed 22/5/19	Tue 28/5/19	11
	Entity relationship diagram	5 days	Wed 29/5/19	Tue 4/6/19	13
	Storyboard of the system	5 days	Wed 5/6/19	Tue 11/6/19	14
	Interface design scheme	15 days	Wed 12/6/19	Tue 2/7/19	15
	Implementation	133 days	Fri 5/7/19	Tue 7/1/20	
	Coding	100 days	Fri 5/7/19	Thu 21/11/19	
	Test the system	30 days	Fri 22/11/19	Thu 2/1/20	18
	Installation	3 days	Fri 3/1/20	Tue 7/1/20	19
	Maintenanxce	101 days	Wed 8/1/20	Wed 27/5/20	
	Readjust and maintain the system	101 days	Wed 8/1/20	Wed 27/5/20	20

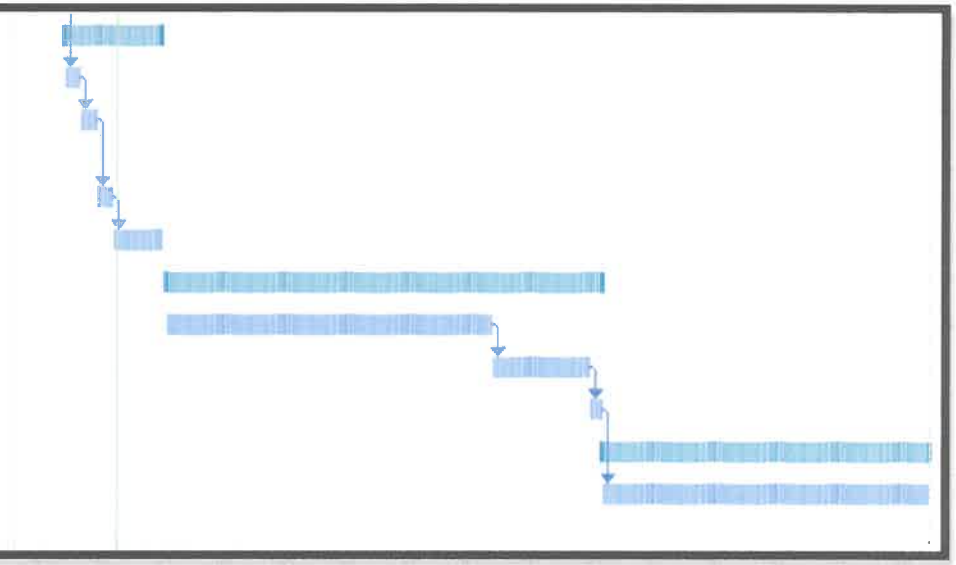

Table 10: Project development timeline.

3.2.7 Project Story Board.

i. User interface.

i. User Dashboard.

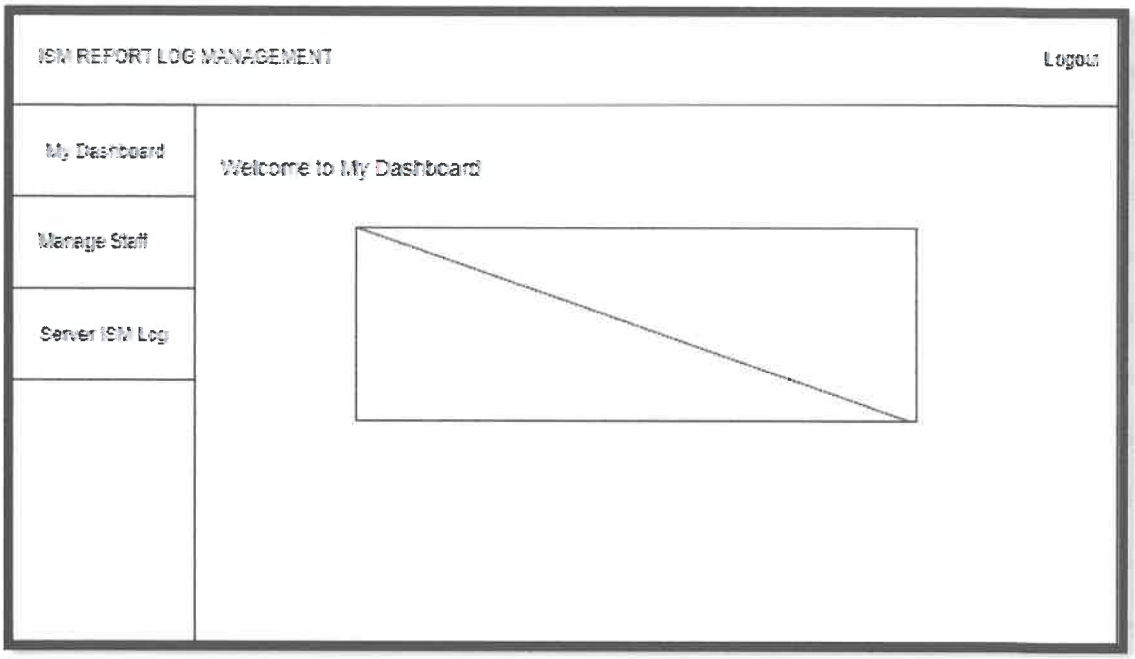

Figure 4: User dashboard interface

ii. User new report.

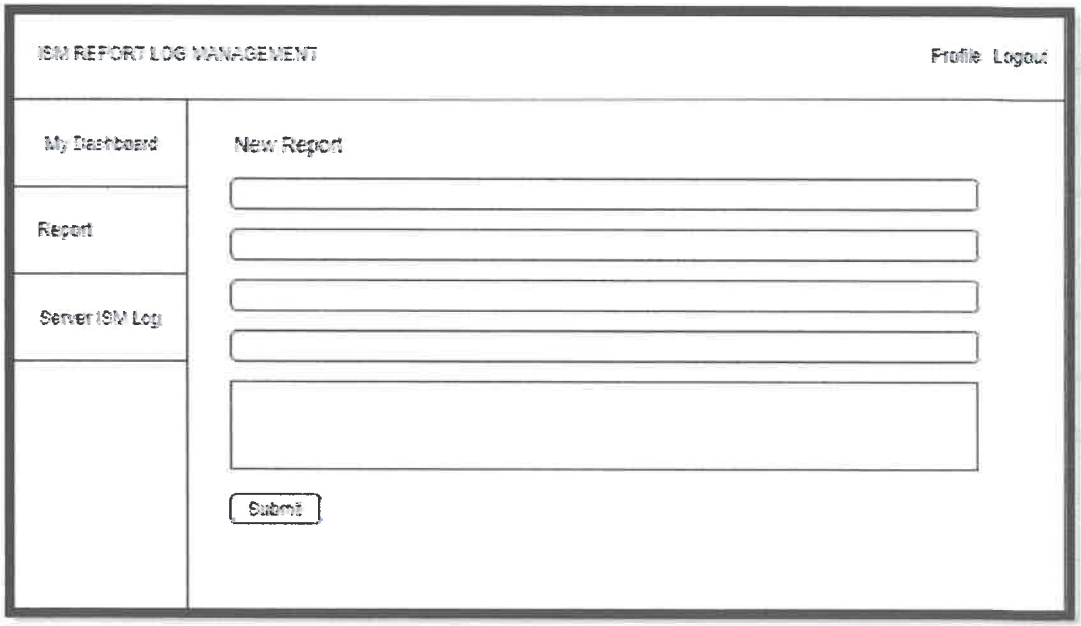

Figure 5: User new report interface

iii. User report list.

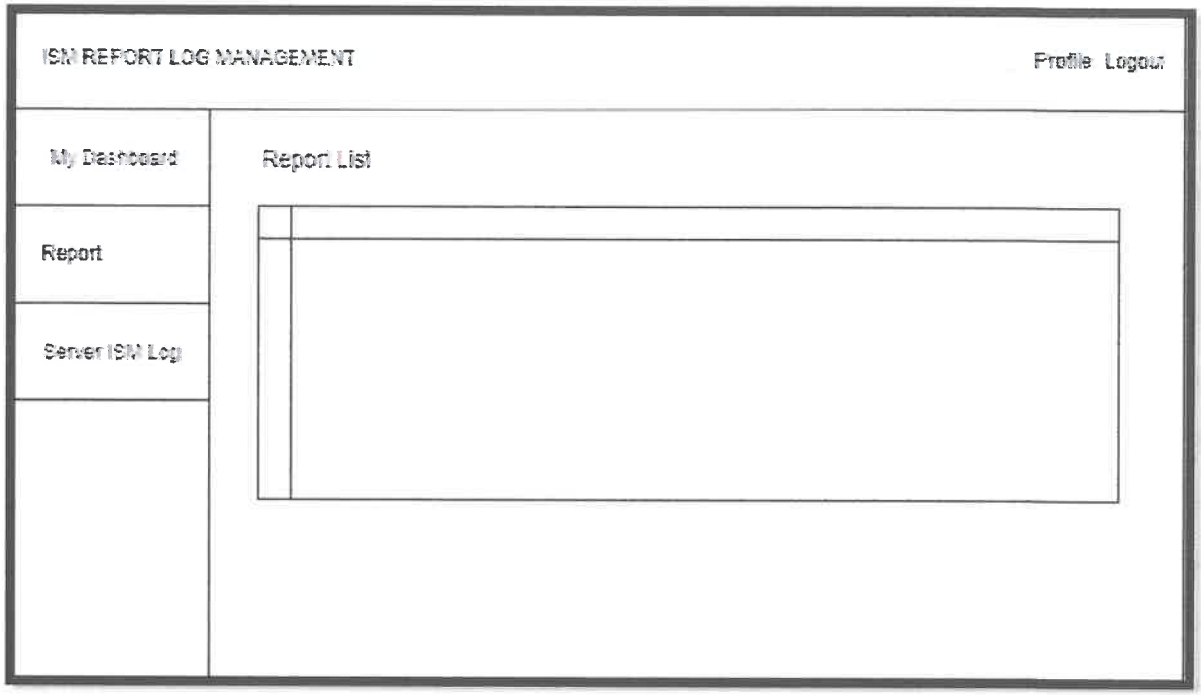

Figure 6: User report list interface

iv. Other report list.

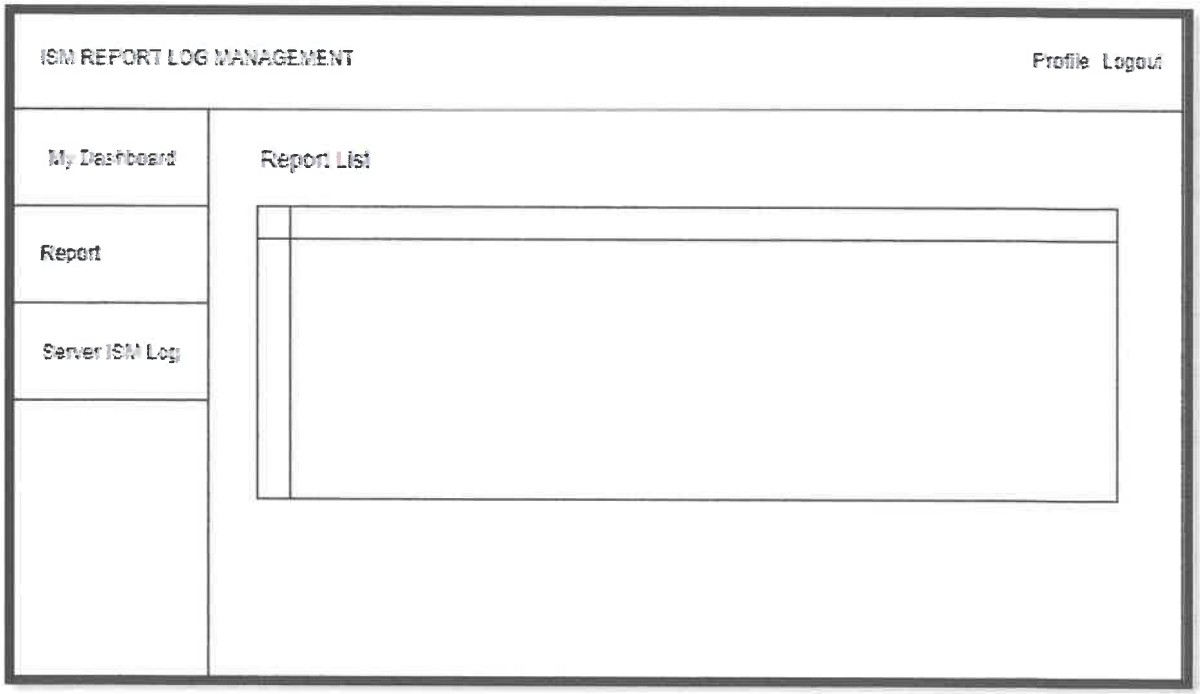

Figure 7: Report list interface

v. Update ISM Server Log. ISM Server Log Menu.

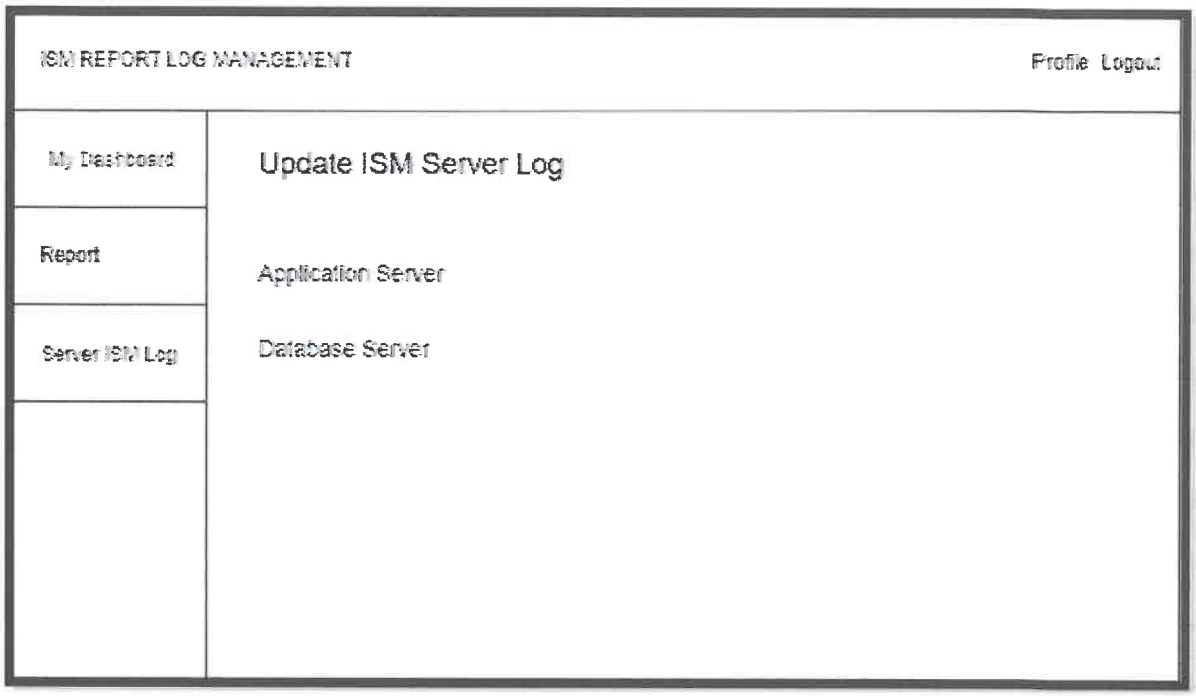

Figure 8: Update ISM server log menu interface

vi. Update Application Server Log.

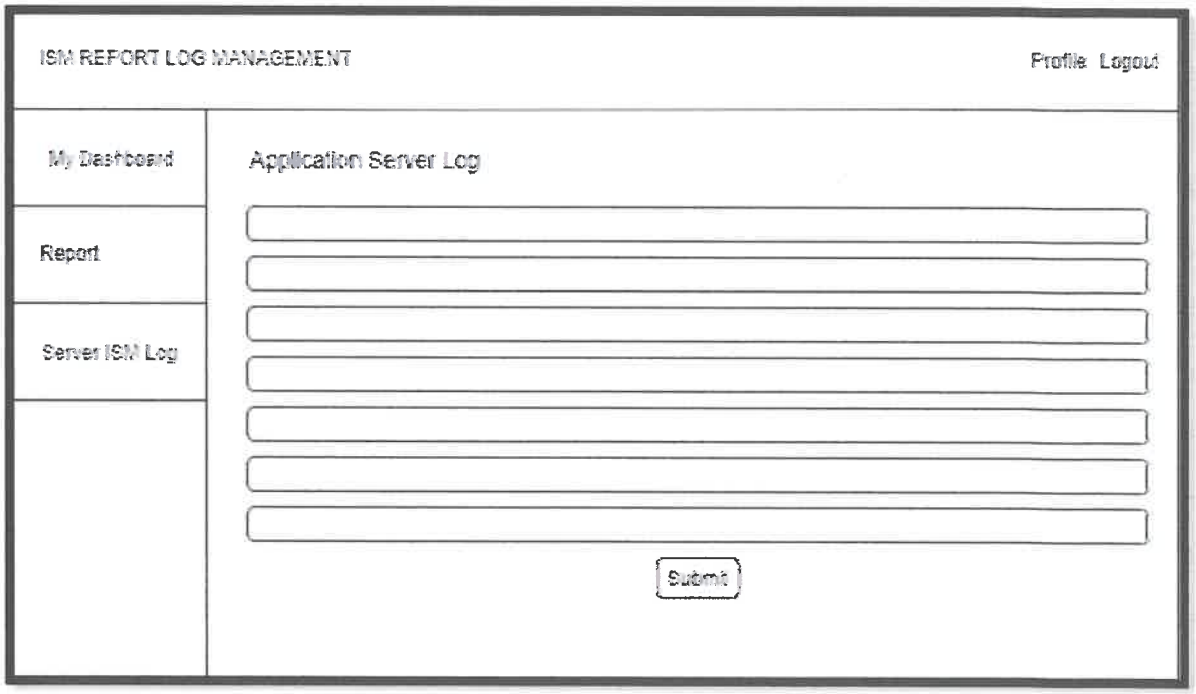

Figure 9: Update application server log interface

vii. Update Database Server Log.

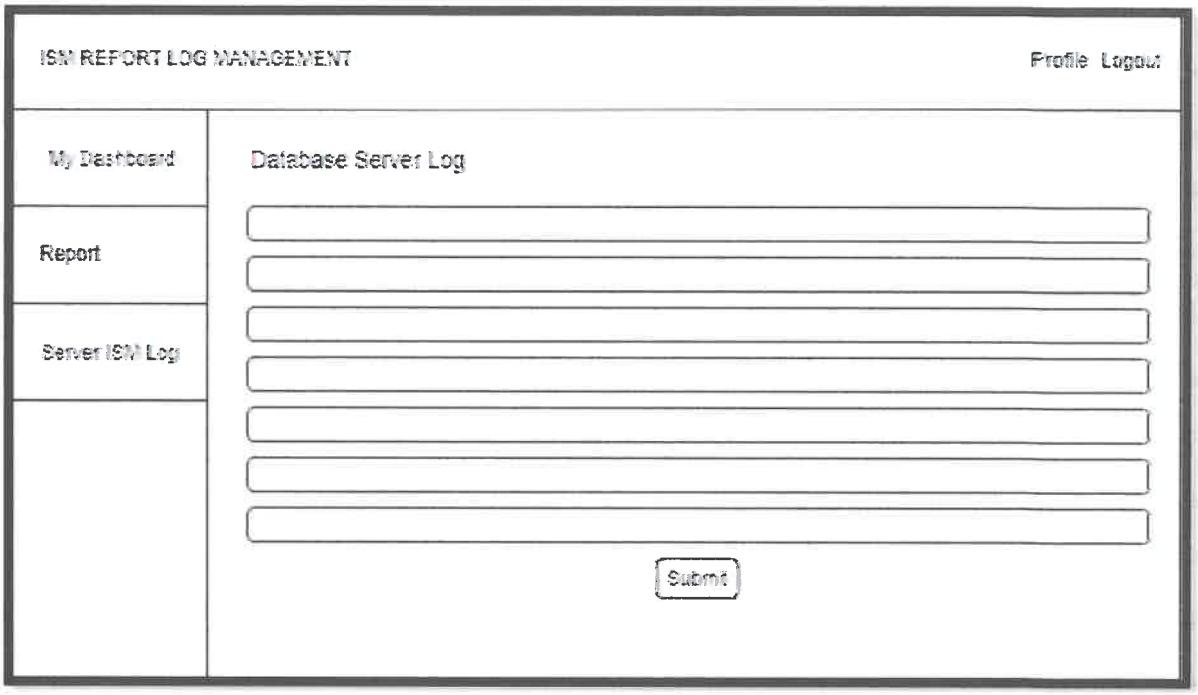

Figure 10: update database server log interface

viii. View ISM Server Log Report. ISM Server Log menu.

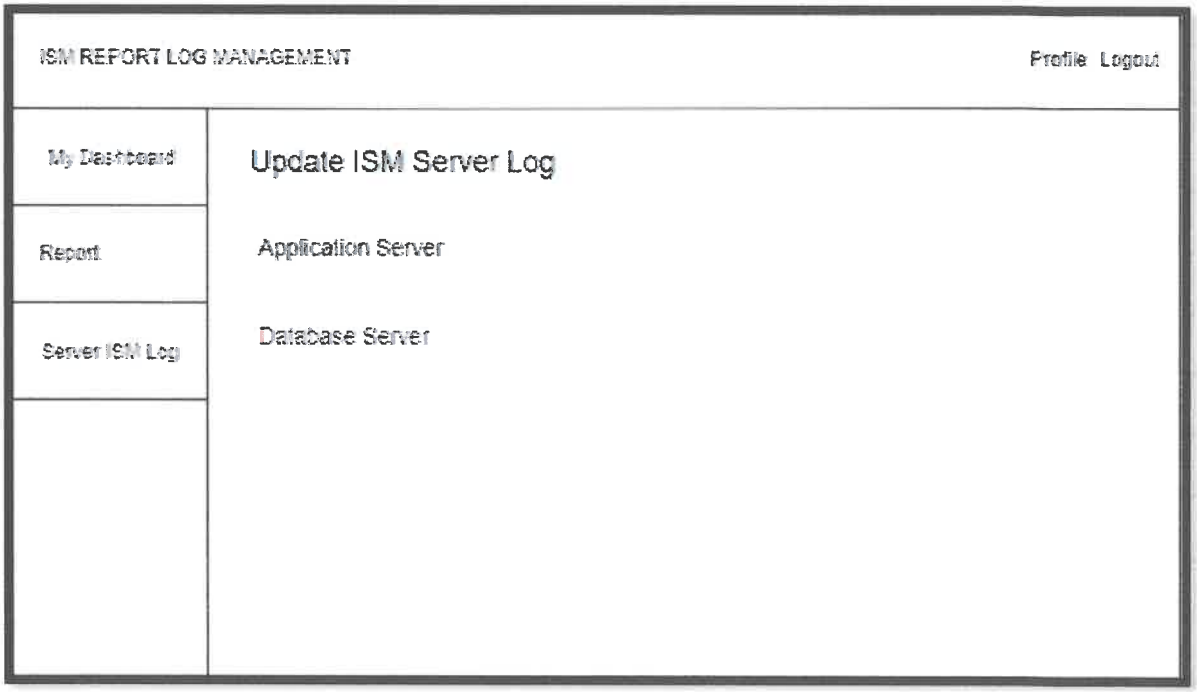

Figure 11: View ISM server log menu interface

ix. Application server log report list.

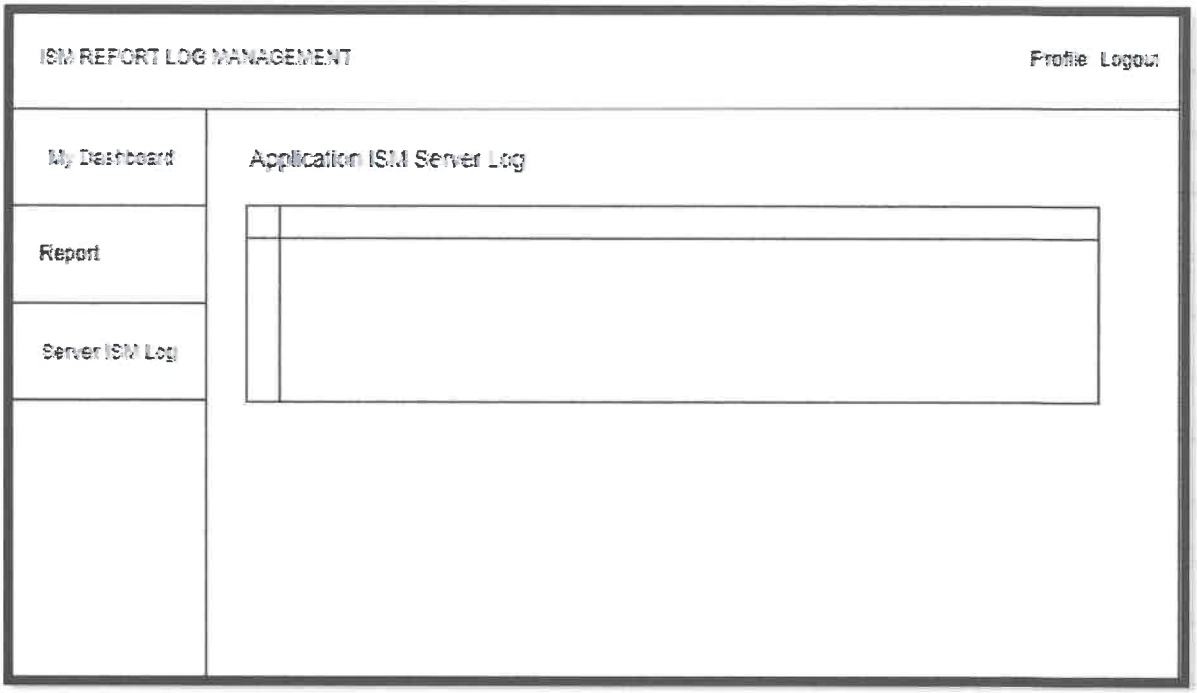

Figure 12: application server log report list interface

x. View Database report log list.

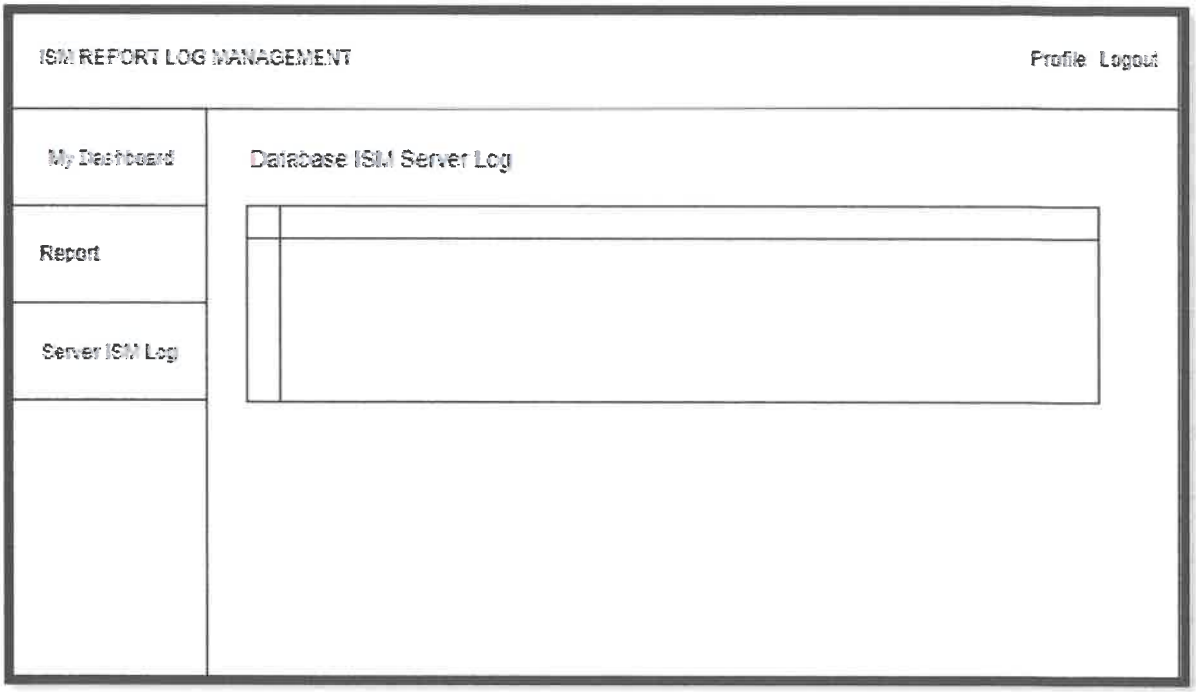

Figure 13: Database report log list interface

xi. View Database report log details.

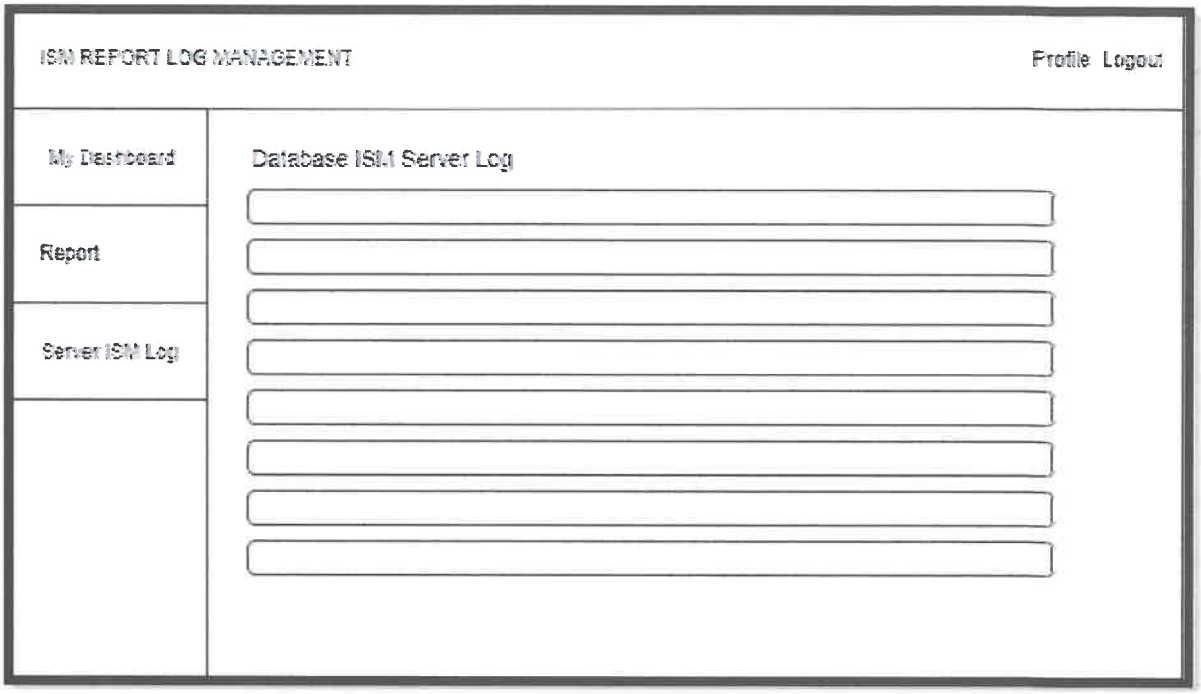

Figure 14: Database report log details interface

xii. User view profile.

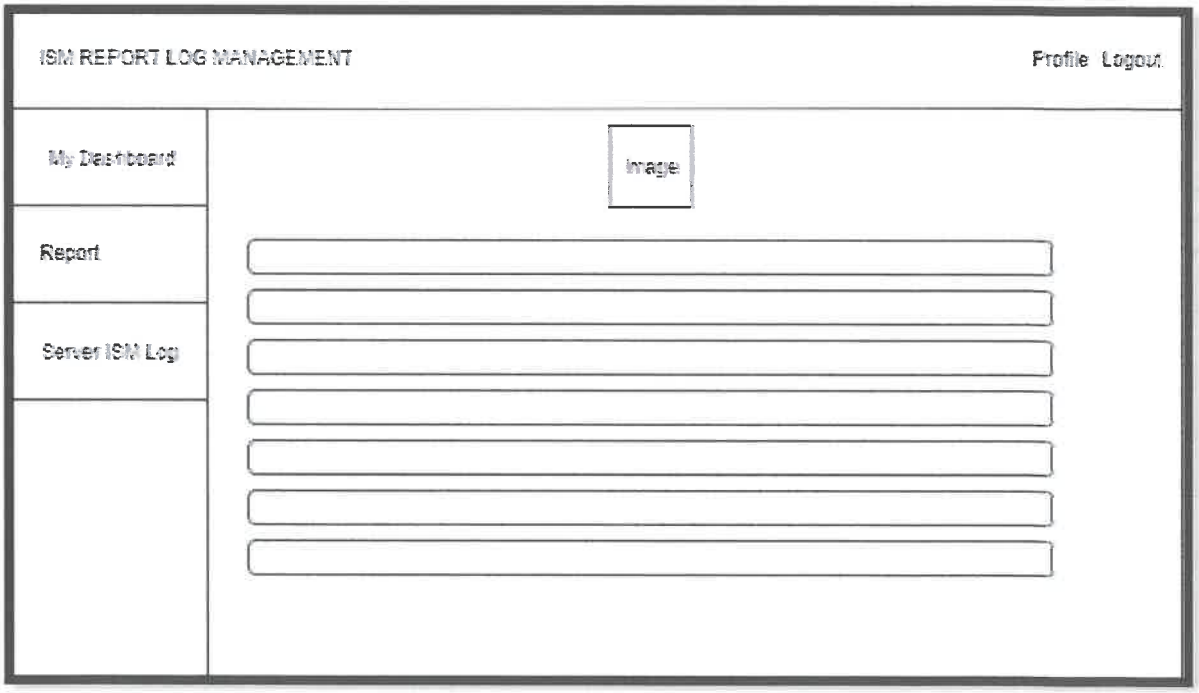

Figure 15: user profile interface

ii. Admin interface.

i. Admin dashboard.

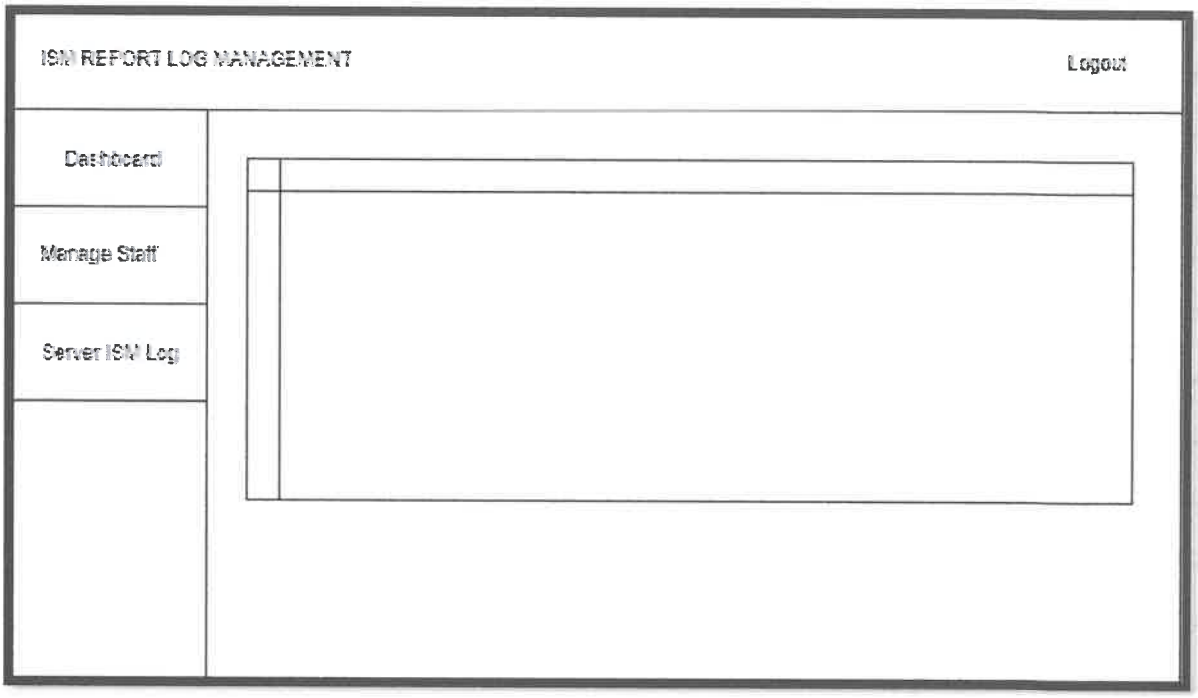

Figure 16: Admin dashboard interface

ii. Admin report details.

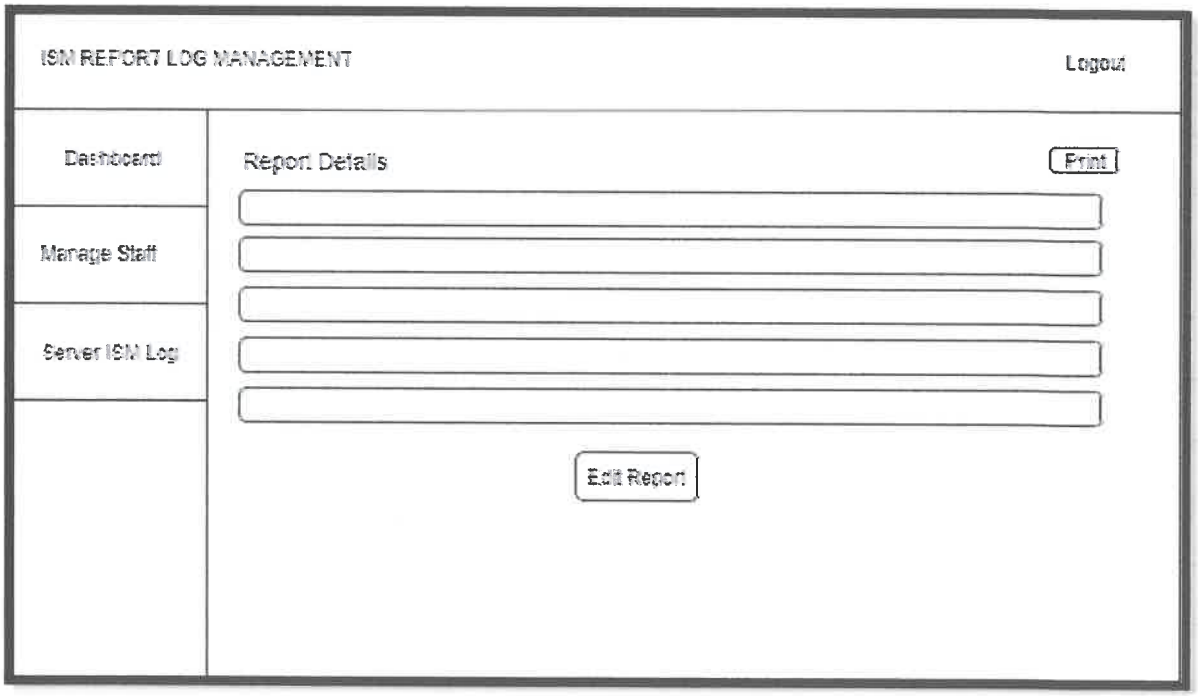

Figure 17: Admin report details interface

iii. Admin edit report.

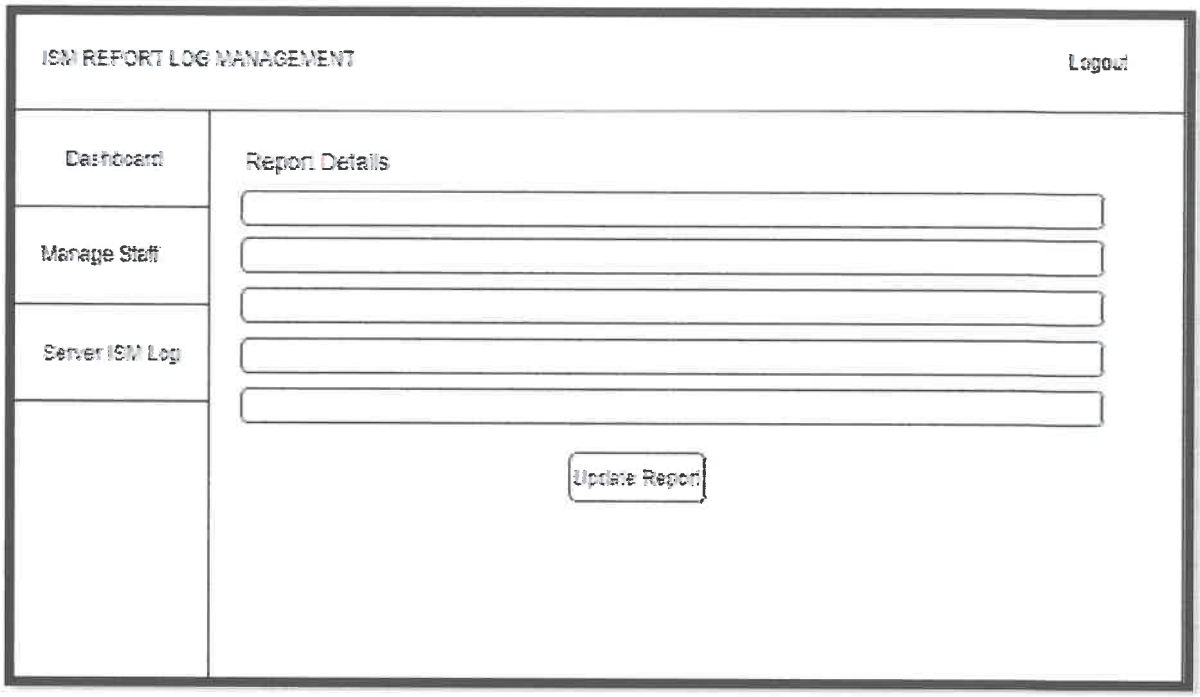

Figure 18: Admin edit report interface

iv. Admin update report.

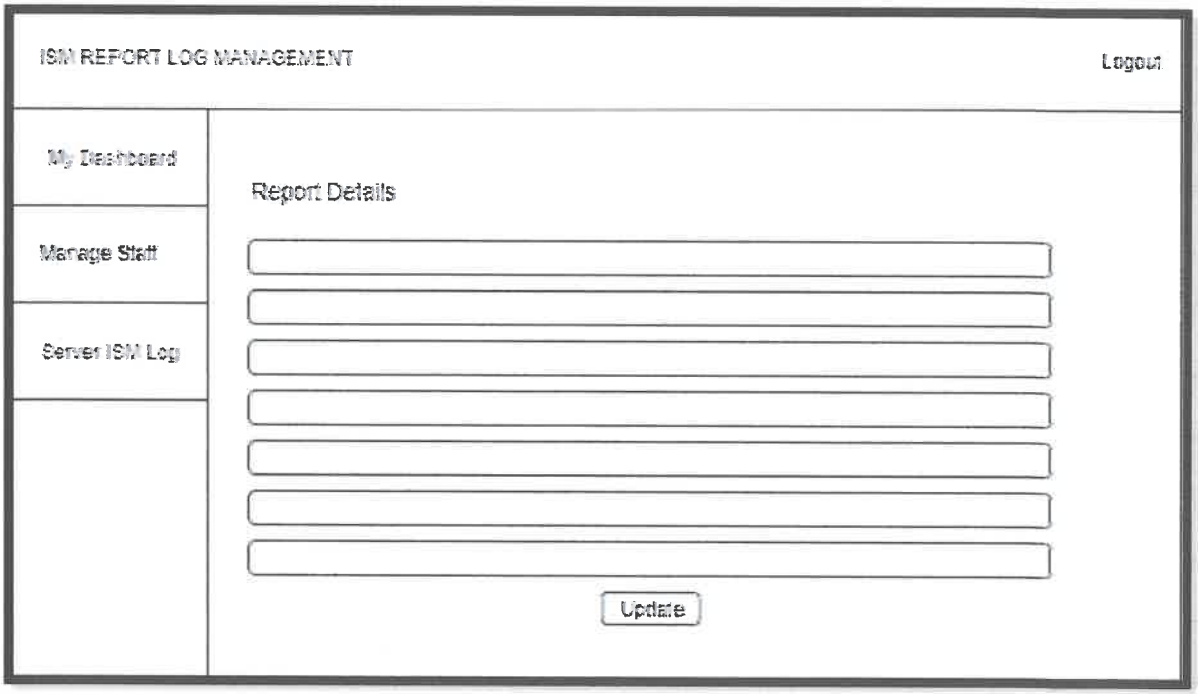

Figure 19: Admin update report interface

v. Admin view staff list.

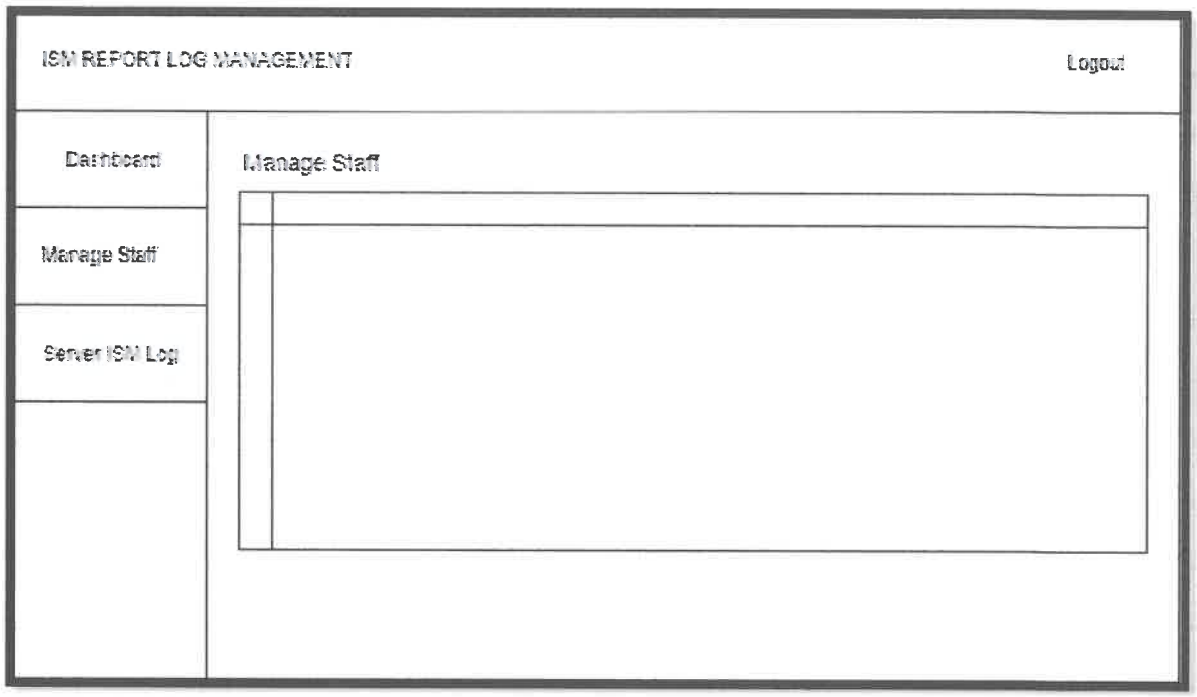

Figure 20: Admin view staff list interface

vi. View staff.

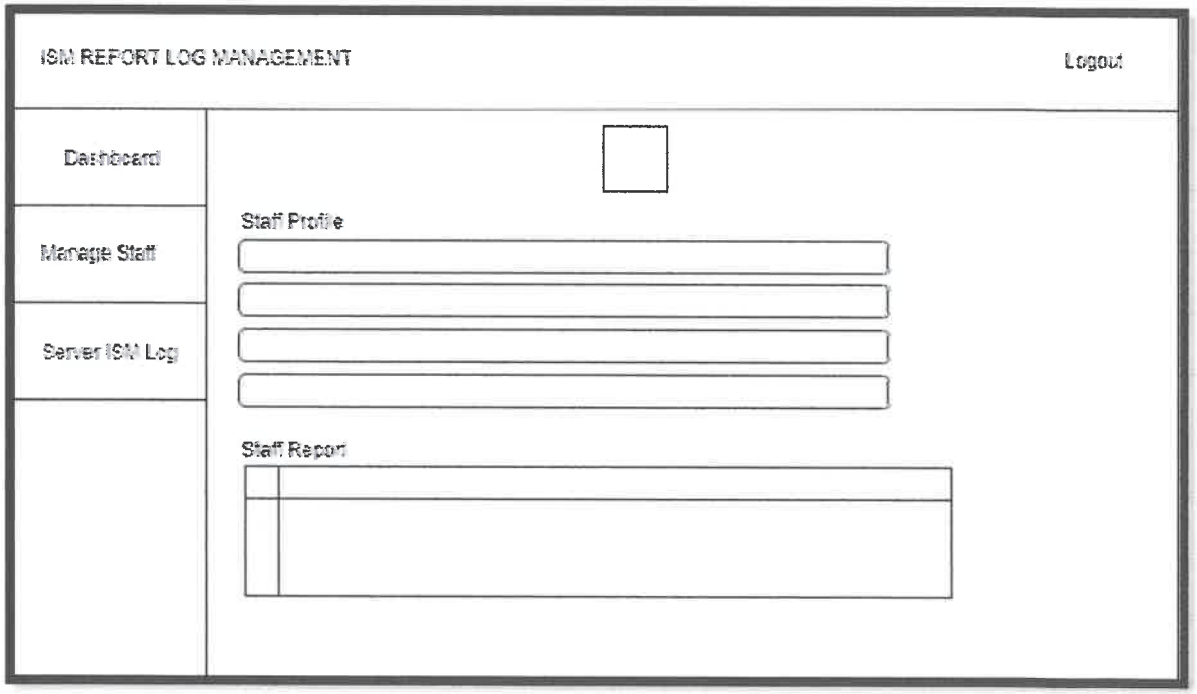

Figure 21: Admin view staff interface

vii. Update staff profile.

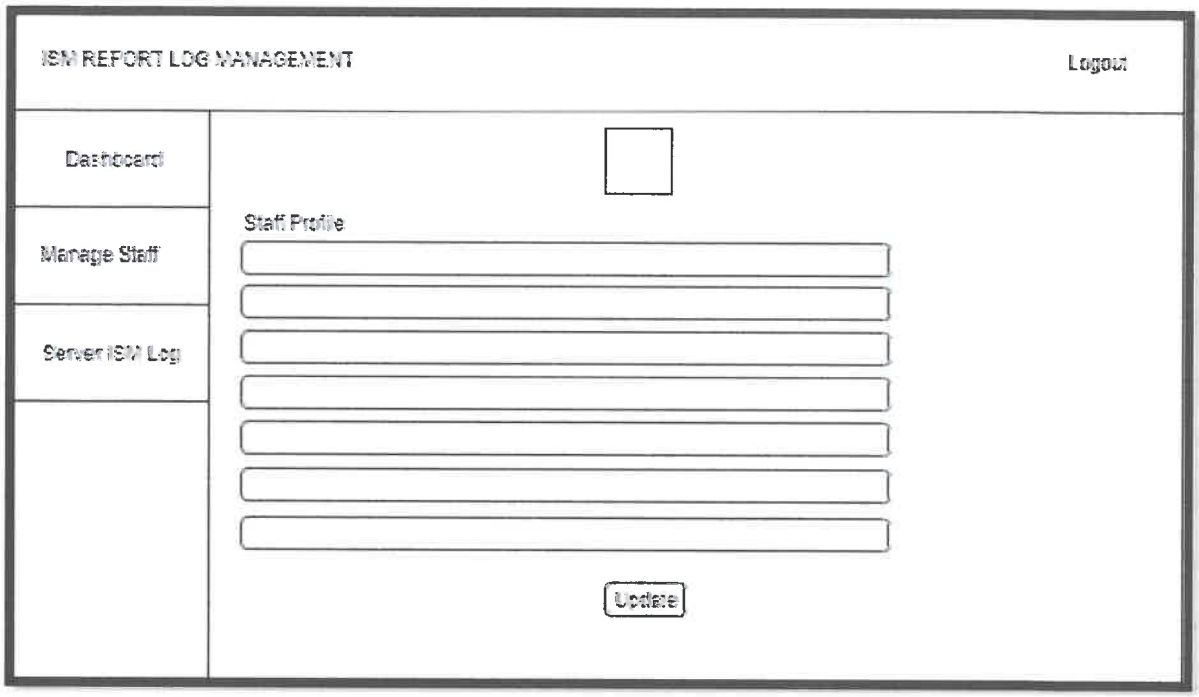

Figure 22: Admin update staff profile interface

viii. Add new staff.

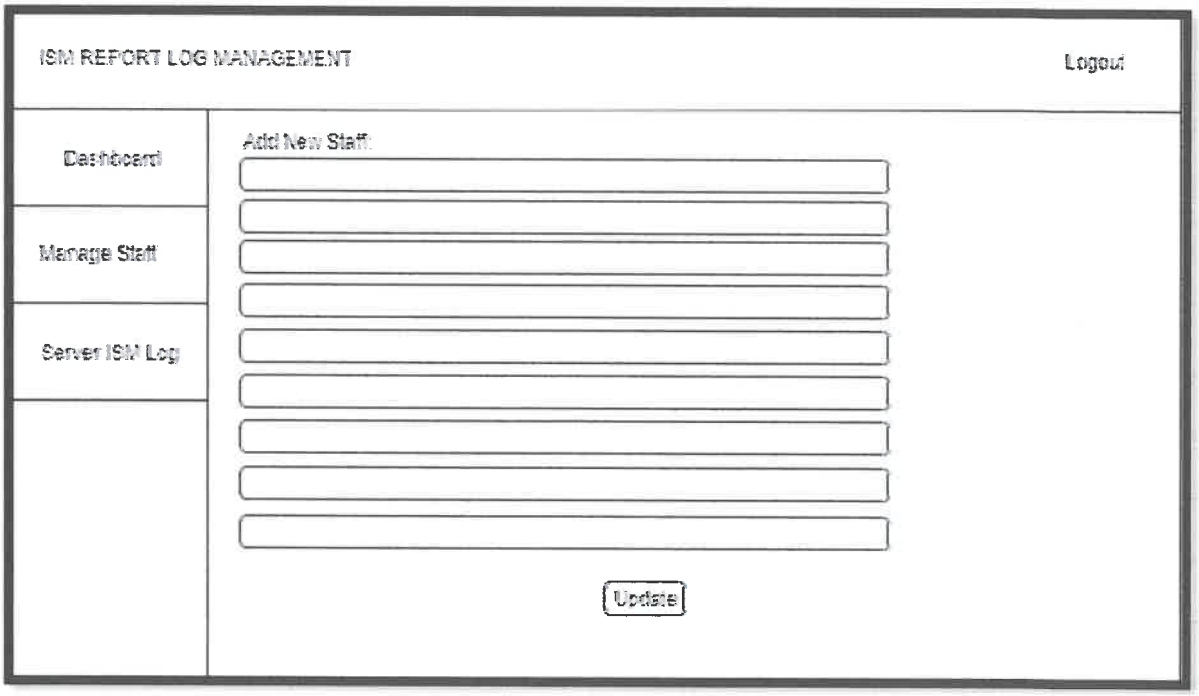

Figure 23: Admin add new staff interface

ix. View ISM server log menu.

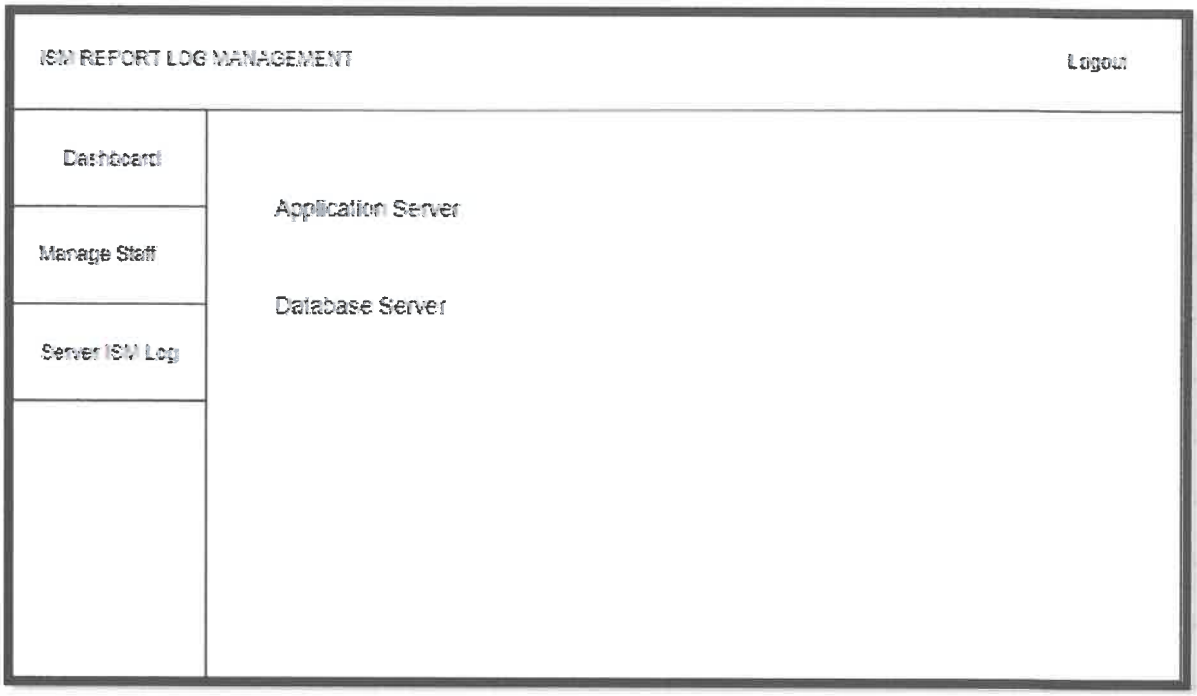

Figure 24: Admin ISM server log menu interface

x. Application server log list.

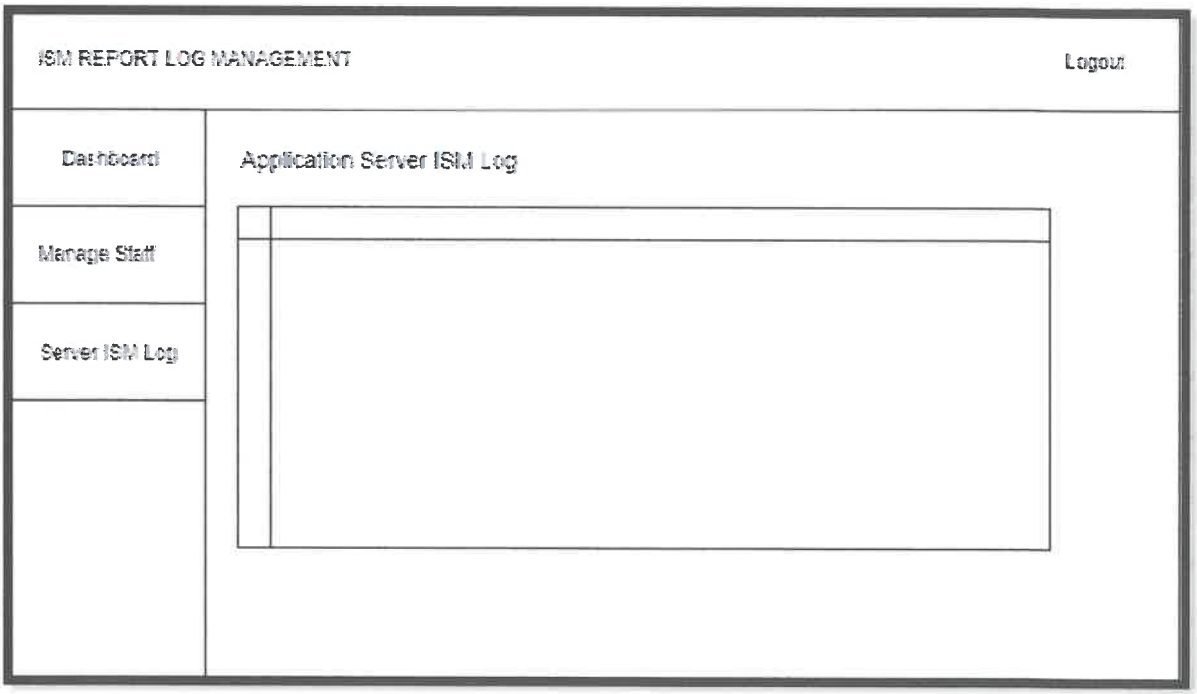

Figure 25: Admin application server log list interface

xi. Database server log list.

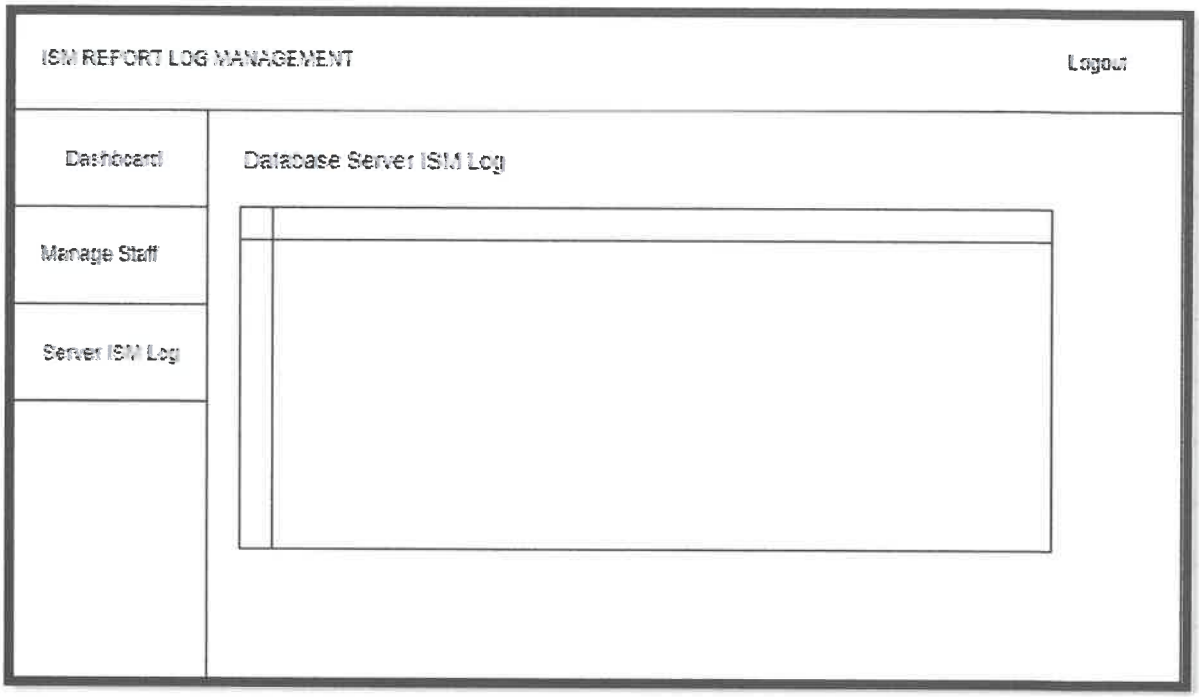

Figure 26: Admin database server log list interface

xii. Database server log details.

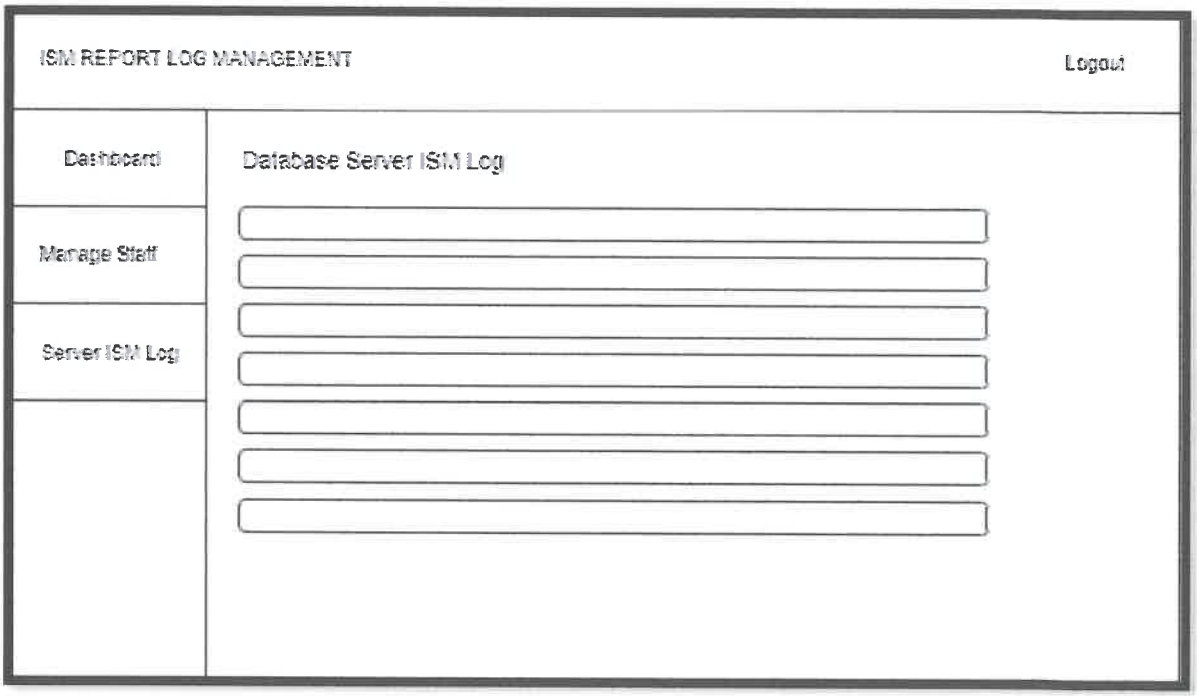

Figure 27: Admin database server log details interface

3.2.8 Project Entity Relationship Diagram.

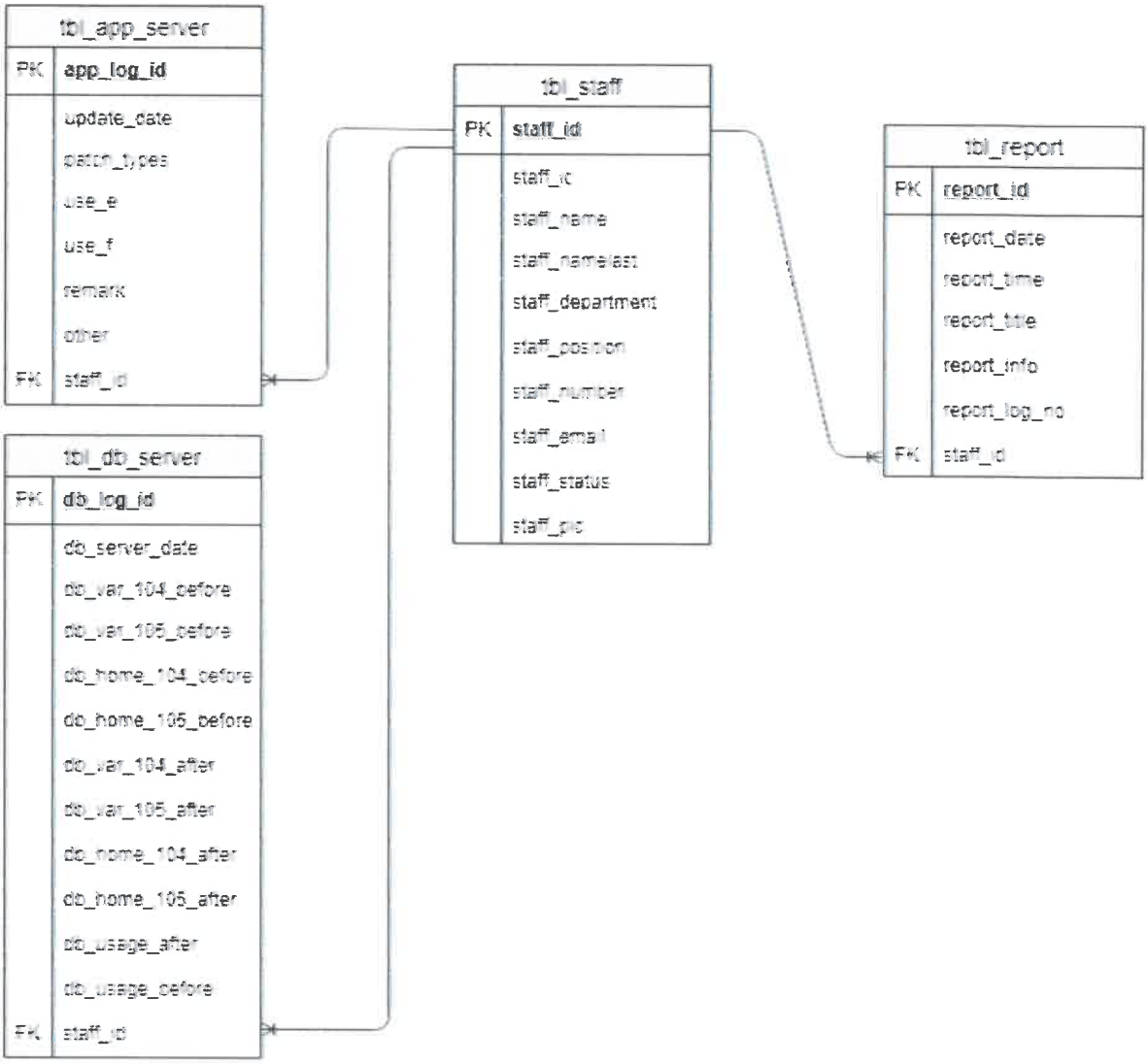

Figure 28: The system entity relationship diagram.

3.2.9 System Context Diagram.

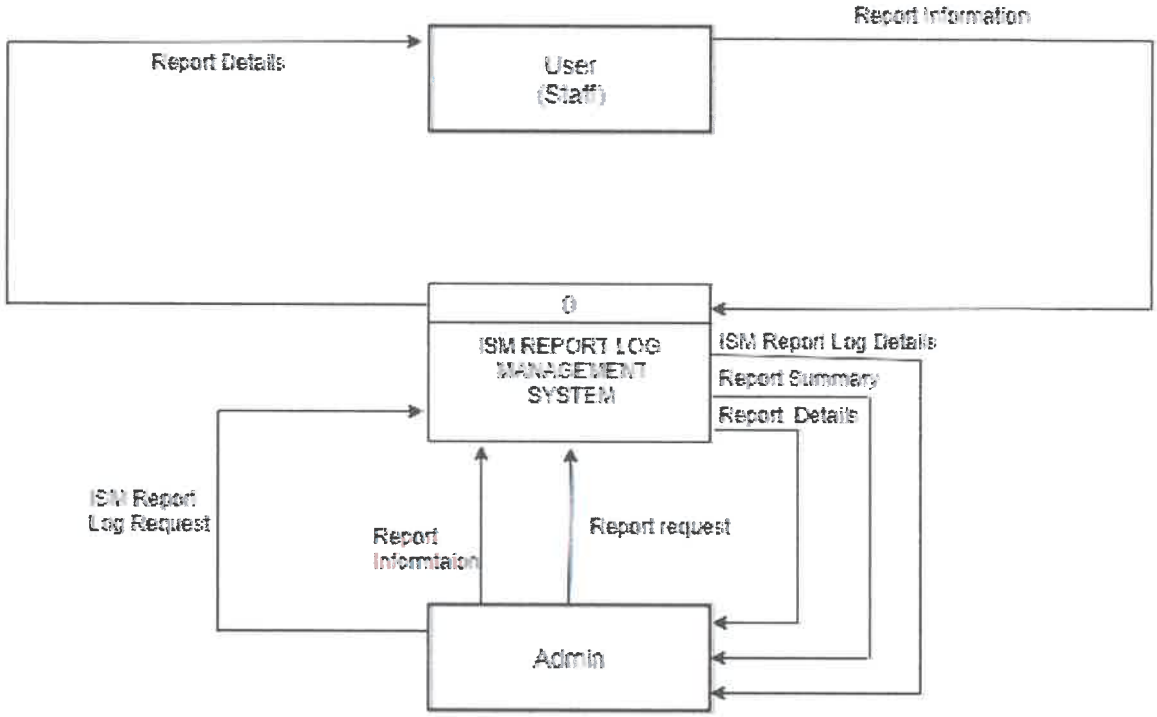

Figure 29: System Context Diagram

3.2.10 System Data Flow Diagram.

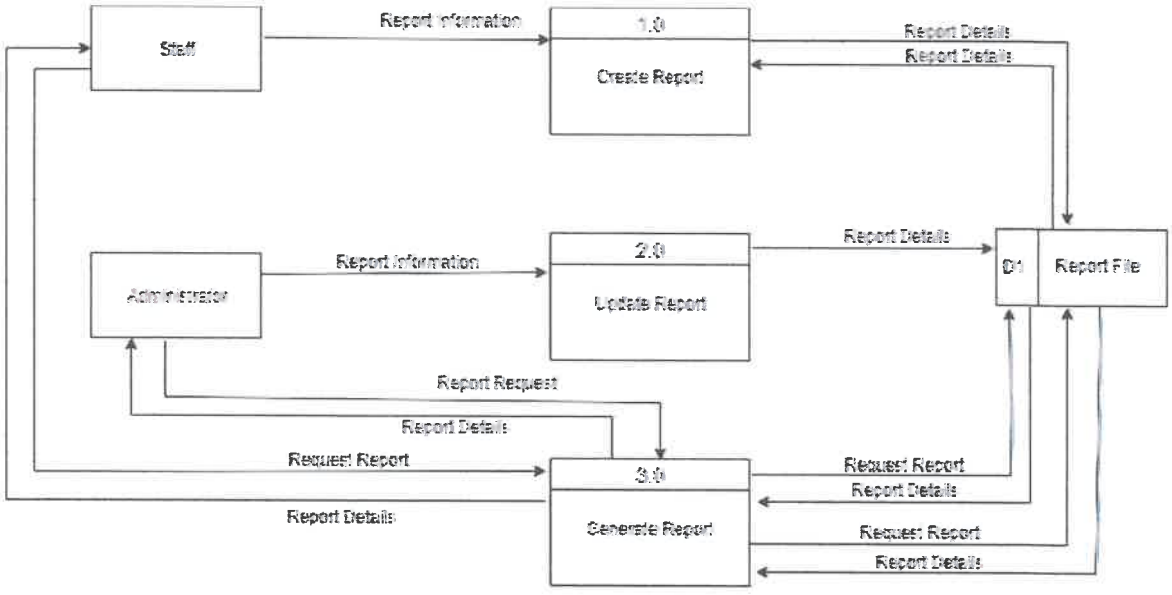

Figure 30: System Data Flow Diagram

3.2.11 System Process Flow.

In this section, we will provide the flow process that involve in ISM Report Log Management system. The process is divided by the function accordingly to the User and Administrator.

1. User.
    i. User reporting process.

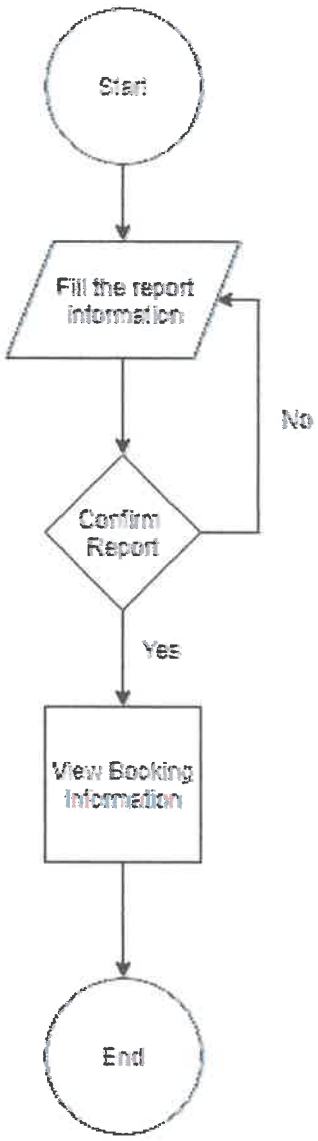

Figure 31: User reporting process

ii. User request report.

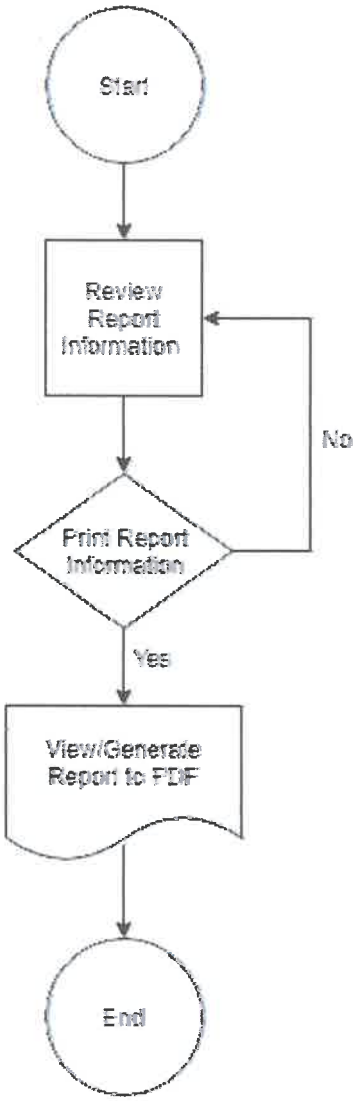

Figure 32: User request report

iii. User update ISM Server Log report. (Application Server)

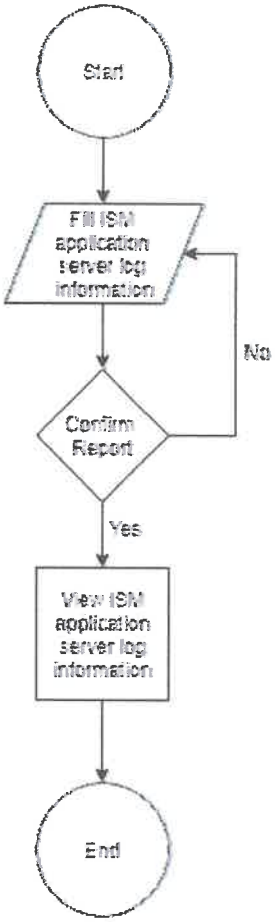

Figure 33: User update ISM Server Log report. (Application Server)

iv. User ISM application server log report request.

Figure 34: User ISM application server log report request

v. User update ISM Server Log report. (Database Server)

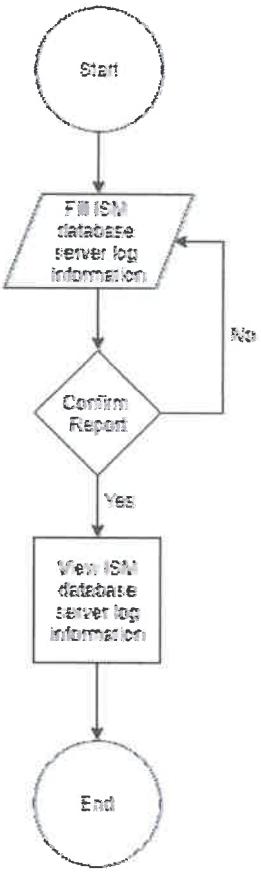

Figure 35: User update ISM Server Log report. (Database Server)

vi. User ISM application server log report request.

Figure 36: User ISM application server log report request

2. Admin

i. Administrator update report information.

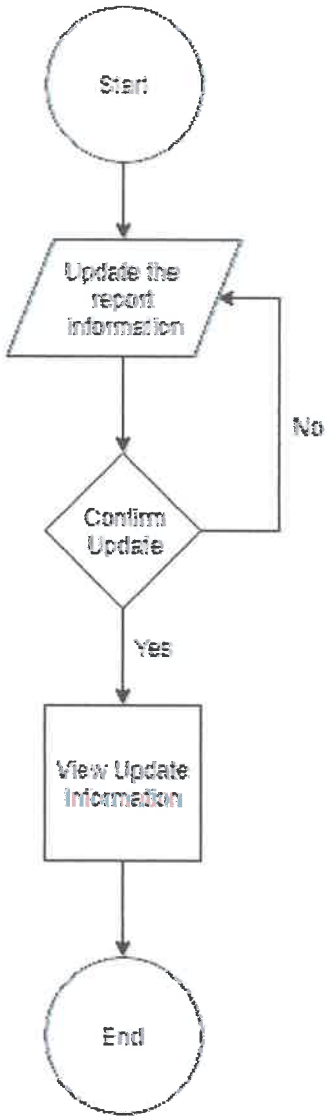

Figure 37: User ISM application server log report request

ii. Administrator request report.

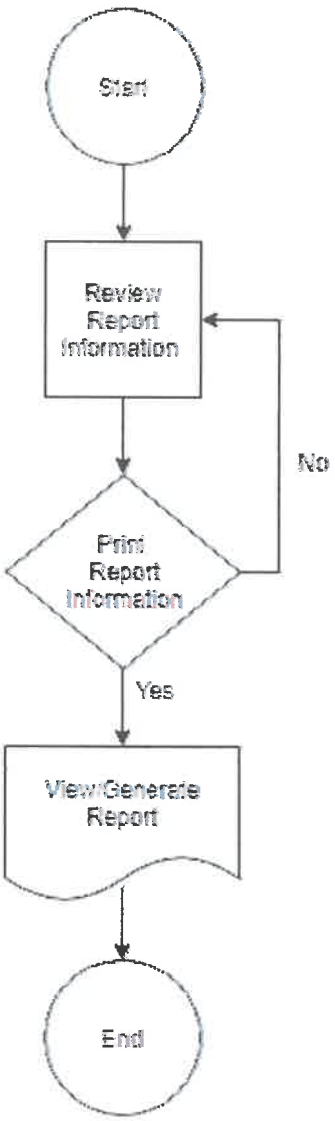

Figure 38: Administrator request report

iii. Administrator update staff information.

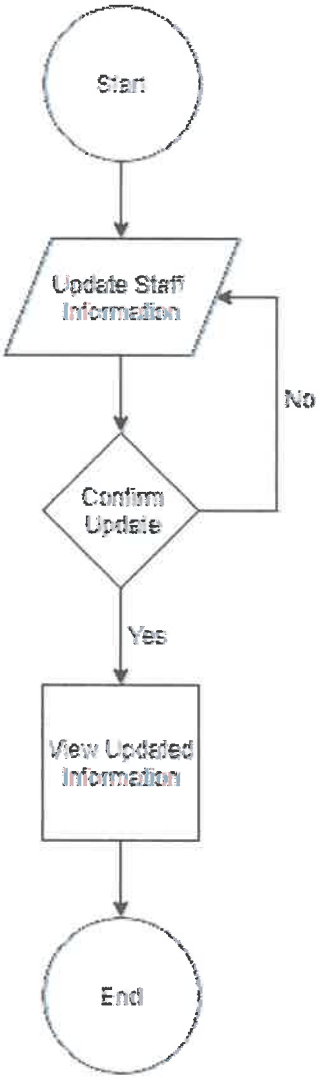

Figure 39: Administrator update staff information

iv. Administrator register new staff.

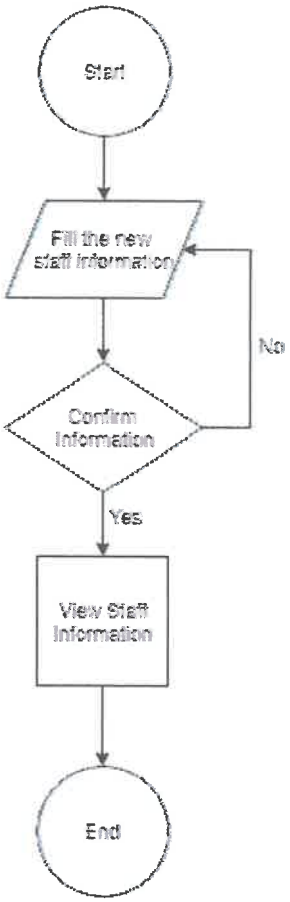

Figure 40: Administrator register new staff

v. View ISM Report Log. (Application Server)

Figure 41: View ISM Report Log. (Application Server)

vi. View ISM Report Log. (Database Server)

Figure 42: View ISM Report Log. (Database Server)

3.2.9. Implementation and Maintenance.

1. Implementation.

Implementation is the fourth phases in system development lifecycle. According to (Alwan, 2015), implementation is when the majority of the code for the program is written, and when the project is put into production by moving the data and components from the old system and placing them in the new system via a direct cutover. Before proceeding into this phases, the programmer have to completely understand about the system requirements and specifications because this is the most important phases to ensure the system are coded according to the design.

Implementation is the most expensive and time consuming in System Development Lifecycle (SDLC) because it involves the real development of the system by using many programming languages. In this phases, the actual code are written and if the system contains hardware, then the implementation phase will contain configuration and fine-tuning for the hardware to meet certain requirements and functions. Besides that, there is energy consuming also for this phases because the programmer required many team members involved in this phases.

1.1 Five Major Activities Involved in Implementation Phases.

i. Coding.

According to ("What is Coding? 15 Facts for Beginners", 2015), coding can be defined as set of instructions (or rules) that computers can understand and it might be helpful to think of code as a recipe. In developing the ISM Report Log System, I use multiple programming languages such as C++, Hypertext Markup Language (HTML), Hypertext Preprocessor (PHP), and also JavaScript. I also use multiple programming language is to ensure all function in the system can work properly according to the system requirements. The programmer will referred to the documentation before start the coding process, to ensure the system flow are following the requirement needed.

ii. Testing.

After coded for the system, system analyst will responsible in order to testing the system. To run the test, coding phases must fully complete for the whole system. System analyst will conducting the user acceptance test (UAT) to ensure all module and features in the system running properly and ready to be installed. Testing is about investigate or try the coding that has been completed and it can be done individually, for the part of a larger program and this system need to be execute. After that, the system can be tested by actual user of the system and this is similar to the pilot project. In this phase, the programmer will collect the feedback from user in term of its design,

function, and also modules. The programmer are available to improve and fix the system before it is launched and installed to client.

iii. Test Plan.

Test plan is the detailing systematic to testing the system by machine. This testing plan is to understanding the workflow of the system. In test plan, it is to enhance the communication among all the people involved during testing the application software in the test plan have the objective such as:

a. First thing that user need to access is choose their category whether admin or user which is staff. The system must be successful to operate from all aspects such as interface, login button, logout button, and also the connection with database.
b. The system must be run smoothly and no failure of all system button and other function. This is because we want to avoid from having complaints about the system.

iv. Type of Testing.

a. Testing Unit.

   In testing unit, the programmer will test for each module existed in the system. Such as book the equipment, book the venue and other. This module is important because it is related with the objective of the system. If this module is not functioned, then the programmer will not achieve the objective.

b. Testing Integration.

   For the testing integration, the button in the system must be function in order to avoid problems in the system. The system need to verify and test the system before launched the system. The function such as fill up the detail for the booking is inserted into databases to ensure it can be retrieved again by admin and also user.

v. Supporting Documents.

In developing the system, the programmer use certain references as guidelines in order to develop a good system. The programmer are referring the documentation that has been completed in the planning phases, internet sources, journal and also diagram such as Data flow, context diagram and Entity relationship diagram.

2. Maintenance.

According to (Alwan, 2015), maintenance is the last phases in system development lifecycle in order for handling the residual errors that may exist in the software even after the testing phase. This phase also monitors system performance, rectifies bugs and requested changes are made. Besides that, maintenance also includes implementation of changes that software might undergo over a period of time, or implementation of new requirements after the software is deployed at the customer location. Once the system are operates in by client, the programmer must maintain the system to ensure it is fully functioned and there are no problems occurs in the system especially during working time. The system will be fixed by developer if there are bugs or error when the system is used by client. It is important that procedures and guidelines for system maintenance be put in place and followed to avoid the chaos and expense of a system that functions inadequately or no longer serves the business needs for which it was built.

Process provides the guidelines for the long-term enhancement aspect of system maintenance:

i. How to assess and design system upgrades resulting from business changes.
ii. How to build and test the upgraded system to assure that it satisfies the new business needs.
iii. How to seamlessly transition the upgraded system into the current production environment.

In this phase, the technical support also needed to assist for the maintenance of hardware, software and other technical aspects. Their responsibility includes:

i. Identify hardware, software and server environment.
ii. Install platform software.
iii. Set up technical environment.
iv. Provide technical support for platform software and hardware.
v. Work with the Quality Team during testing and configuration of the system.
iv. System backup and recovery.
v. Maintain Database and communication servers.

ISM Report Log Management System must be maintained to continually satisfy our client and meet client requirements. There are differences between the methods used in order to maintain hardware and the system itself.

i. Hardware Maintenance.

The purpose of maintaining the hardware is to ensure the system can keep running and being process by computer. Hardware is the important equipment to run the system and in order to keep the system running, the hardware also should be maintained by the client by using new specifications of hardware.

ii. System Maintenance.

System maintenance is directed at maintaining the applications software. Software maintenance includes all modifications of a software product after it has been turned over to operations.

For adaptive maintenance, this system also do an enhancement in the future which is develop the application that more applicable to the user and compatible in android, ios and others. The user can download it at Play Store, App Store, Microsoft Store and others.

CHAPTER 4: CONCLUSION.

4.1 Application of knowledge, skills and experience.

4.1.1 Trainee knowledge and skills.

During the industrial training period, the trainee had been placed in development team. Most of the activities or task are developing and produce new system or interface and fixing bugs from existing system. The trainee had applied the knowledge and skills learnt from System Analysis and Design I and II and also Advance Web Design and Content Management to perform the task that use the PHP programming language. System analysis and design are concerned with planning the creation of information systems by understanding and detailing what a system should do and how to implement and work together the system parts.

The trainee have to understand the flow process of the system and also the configuration of the system because most of the system in Tabung Haji system that handle by the trainee during the industrial training link with other bank and digital transaction. System analysts solve company issues by analysing the information system requirements and by using analytical and design methods to develop such systems. It also describes the evolution of methodologies for system growth and discusses the roles and abilities a system analyst requires.

This course deals with vital ideas, competencies, methodologies, methods, instruments, and views for system analysts. The trainee had applied the System Development Life Cycle (SDLC) in order to evaluate the process of the system and also developing new function of fixing bugs for existing system. Example of the systems that used by the trainee are TH Rest House, HMS Manager and BI Communication Consoles.

The trainee also had applied the PHP, HTML and CSS languages skills and knowledge that learnt form Advance Web Design and Content Management. Some of the task that the trainee receive related to the PHP language and HTML/CSS framework. The trainee know how to setup and evaluate the flow process before performing and developing certain function in the system. It is a method of planning a fresh business system or substituting a current system by identifying its parts or modules to meet the particular demands. Before planning, the trainee need to carefully comprehend the ancient scheme and determine how best to use computers for efficient operation. The trainee also have to ensure the integration of the system concerned with how a system components are connected together. It means that the parts of the system work together within the system even if each part performs a unique function. The trainee as well had explored furthermore on PHP coding independently by referring to other online sources, such as w3school.com, stackoverflow.com, phpmaster.com and many more.

The trainee also applied the knowledge and skills of Database Application for Information Management. During the industrial period, the trainee involve in the housekeeping management process. The trainee handle the housekeeping process which to reduce the server memory usage. The trainee know the types of the database table that need to be truncate or reduce and also the SQL that link to the database. The database management system is therefore split into the hierarchical database management system, network database management scheme, relational database management scheme, and object-oriented database management system.

Information Systems Management and Information Technology Project Management also other knowledge and skills that applied by the trainee. The trainee know how to differentiate the types of information system that use in the organization. For example, application system, website application, database, digital and electronic display. The trainee also create a manual or guideline in using and performing certain function and process of the system that used in the organization. It is important to know because the information system used in an organization to make decisions and to coordinate, control, analyse and visualize information. In an organisational context, the research of management information systems examines individuals, procedures and technology.

Last but not list, the trainee also familiar with Information Technology terms like IP address, link, netstat, port, connection, storage memory, database, proxy and many more. So, the trainee will not be awkward if he heard and found the terms.

4.1.2 Trainee experience.

For the trainee experience, the experience gathered from handling events and programmes during studies in Faculty of Information Management, UiTM Kelantan also had benefited the trainee in order to communicate with the staff and to handle an event at the organization. For example the experience during user training programme for Information Systems Interaction and Consultation and also handling the Society of Information System Management (SISMA).

During the industrial training period, the trainee had monitor and assist the Tabung Haji's staff handling the housekeeping process and also signon process.

The trainee also familiar with an official documentation because had an experience handling events and course project during studies. The trainee involve in creating manual the process of a system and also the system report logs. Not only for teams members, the documentation that created by the trainee also used by Tabung Haji staff.

4.2 Personal thoughts and opinion.

For personal thoughts, Theta Edge Berhad is an organization that a lot of opportunities and supportive environment. The organization supervisor, Encik Zadi is super friendly person and easy to dealt and communicate. Although he is a project manager, he never being arrogant and always keep support his staff and put them in a positive vibes. Encik Zadi also assist the trainee in completing the special and project and gave a brilliant idea that can improve the quality of the special project.

The ISM team members also very helpful and friendly. Most of the application and system that used in the department are a new things for the trainee and do not familiar with the process. ISM team members which are Puan Aini and Cik Hasnor has helped a lot to monitor and assist the trainee in handling the system. They teach the trainee one by one the steps for using certain system and also guide the trainee to know the operation of the team everyday .They also share abundant of know knowledge about information technology that the trainee do not get during the studies. Example, Linux, Putty, Codeigniter, Java and many more. They also offered the trainee to ask them any question related to the operation and also keep assist the trainee if do mistake or false.

The environment and facilities also very comfortable for the trainee. The vendor office located at floor 13, Menara Tabung Haji Tun Razak, Kuala Lumpur. The trainee have his own office area that consist table and chair. The building also guarded by the auxiliary police that make the environment safe and prosperous.

For personal opinion, the trainee also thinks that knowledge and skills provided by faculty is necessary and useful. However, some improvement can be done in several aspect. First trainee opinion is about advance PHP programming language. The Advance Web Design and Content Management course that expose about PHP language for 1 semester actually not enough for the student learn all about PHP language. Recently, there were many new function and advance framework of PHP language that used by the organization but do not taught to the Information System Management students like codigniter, lavarel, bootstrap and many more.

Another trainee opinion is about programming language. Information System Management student not only need to be exposed advance PHP language but also at least basic others programing language like Java, Linux and .net because now days most of the organization that have a business or bank transaction used java programing language because its more secure and flexible to link with other and consist variety of function and features. Besides that, other programing language also important apparently, a champion among the most noticeable

programming languages among developers and is used to make web applications, changed programming and online interfaces, including eCommerce and mCommerce.

4.3 Lesson learnt.

The trainee has learnt to be more discipline, punctual, and has improve in communication skills. Being in working surrounding, the trainee has learnt how to commit with time, multiple tasks and also work as a group and teamwork. The trainee not only communicate with the ISM team members but also to the Tabung Haji Information Technology staff. The trainee have to fully understand first the certain process or operation then explain back to the Tabung Haji Information Technology staff in detail to ensure they understand and to avoid failure in the production process. It is important because in Tabung Haji Information Technology staff perform the production process that directly to the user interface. For example, the trainee explain and assist the staff handling the housekeeping process.

Next is teamwork. During the industrial training period the trainee have to work as a group and do not take an action without permission. The ISM team members use a Whatapps application to create group as a medium to communicate each other. All the problem, bug, request and other related information will be inform and discussed there. The team members have to participate and respond immediately if there were any request and problem that need a quick action. The ISM team leader also main an important role giving instructions to the trainee to handle certain task. The trainee also always need to communicate in the group to inform any task that have been done.

The trainee also learnt how to manage the working time. The trainee had to discipline in managing time and also work according to the instruction. For example, if the task need to be complete in a specific date, the trainee have to finish it according to the time given. Assigning a finite time to assignments will assist the trainee finish the task on time. It also enables the trainee most effectively handle his workload.

The trainee also expose to several different task, which not only focus on coding. The trainee enhance the personal flexibility to learn new thing and perform multi-tasking. The trainee can overcome the irrational fears and boost self-confidence to learn and expose more new things. The trainee also train own self the willingness and ability to readily respond to changing circumstances and expectations. Being flexible when it comes to work is worth a lot. For example, besides using php language, the trainee also have to know Linux command that used in the housekeeping process. The trainee learn how to break down barriers. Establish transparency as the default mode, so that the trainee can know what others are doing.

4.4 Limitations and Recommendations.

For limitation, the equipment provided by organization is quite limited. The trainee had to bring his own laptop to perform any task that requested. The trainee would like to suggest for the organization to provide a personal computer (PC) or a laptop that completely install all the application that will used during the industrial training. If the trainer use his own laptop, it will come a problem when some of the application that needed to perform a task do not compatible with the laptop specification or the laptop is not up to date. Besides that, some of the system and application have to link with the server IP address which is confidential.

During the industrial training period, the trainee also do not have specific task that the trainee must complete it every day. The trainee had to wait and receive the task through ISM team members or team leader. So, not every day that the trainee have a task, only base on the request and the task given by the ISM team member or team leader.

For the recommendation, the trainee would like to suggest for the organization the specify the industrial training location in the offer letter for the trainee to report duty because recently the trainee first day report duty at Oasis Square, Ara Damansara, according to the offer letter, then the Human Recourse change the industrial training location to Menara Tabung Haji Tun Razak, Kuala Lumpur. It's okay if the trainee live nearby so, he don't have a problem to change any location but if the trainee do not stay near the state area of Selangor and Kuala Lumpur and had made a preparation likes rent a house, transportation or distance budget, It's will be a problem for them to change the location immediately.

Next the trainee also would like to suggest for the organization to more involve the trainee into the operation, event or a training. It give a lot of benefit for the trainee to experience the real operation of the department and also expose them to the specific process and application or system that used in the operation. Training also can increase the skills and knowledge of the trainee thereby not only give a positive impact to the trainee but also if the company want to continue hire the trainee as an official staff, it will save the cost to send the new staff for a training because they had already familiar with the operation of the department.

The trainee also would like to suggest for the company to plan and provide a task schedule for the trainee. If the company provide a task schedule for the trainee, the trainee can plan their activities or task that they will do during the industrial training period. It's quite important because for the student of Bachelor of Information System Management semester 7 (Industrial Training), they not only perform the task that given by the organization but also the have to complete the industrial training special project, so if the trainee know the task that need to be complete every days, they can manage the time wisely.

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APPENDICES

1. The systems / applications involve with the trainee during industrial training.
    i. Tabung Haji HMS Manager.

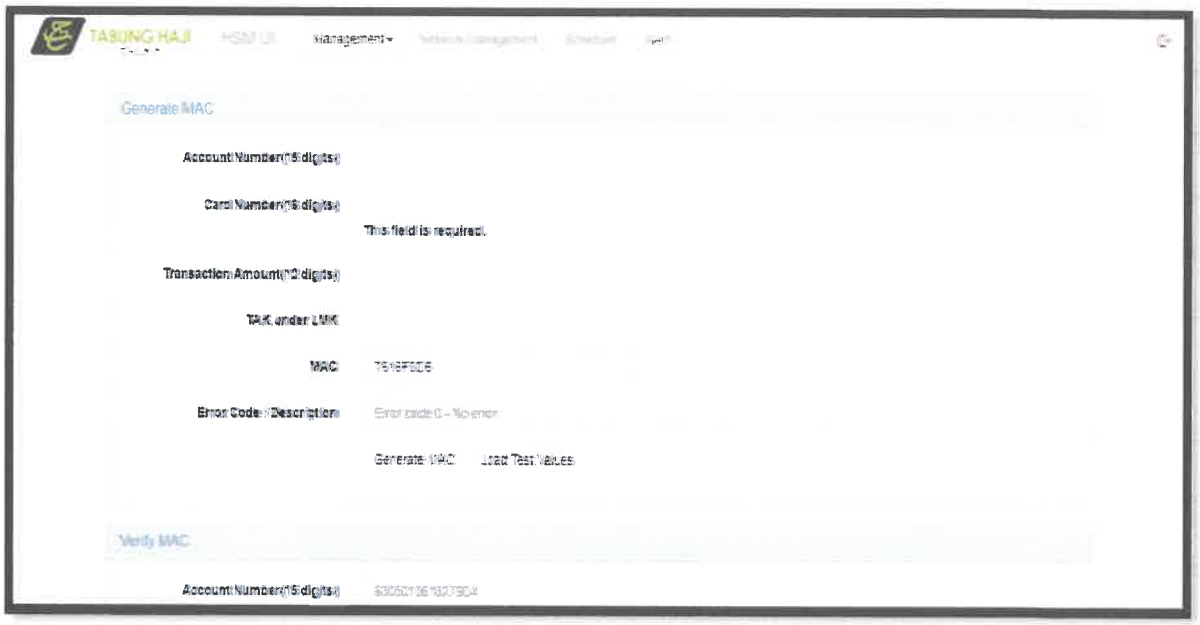


Figure 43: Tabung Haji HMS Manager

ii. BI Communication Consoles.

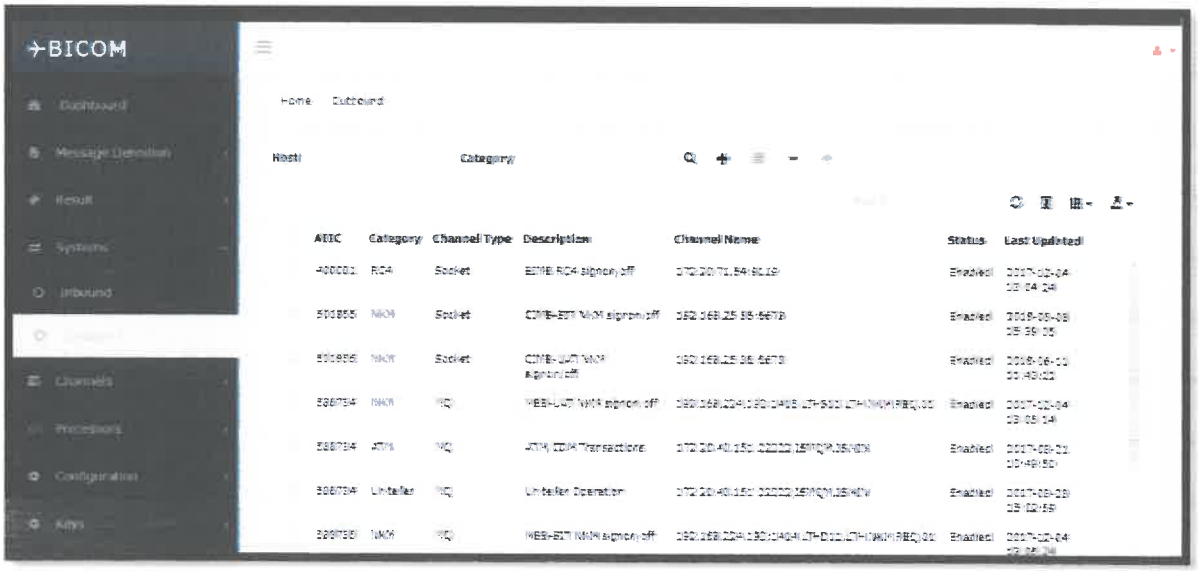


Figure 44: BI Communication Consoles

iii. Display Management System for Hajj season display.

Figure 45: Display Management System for Hajj season display.

iv. ISM Server Logs (Microsoft Excel).

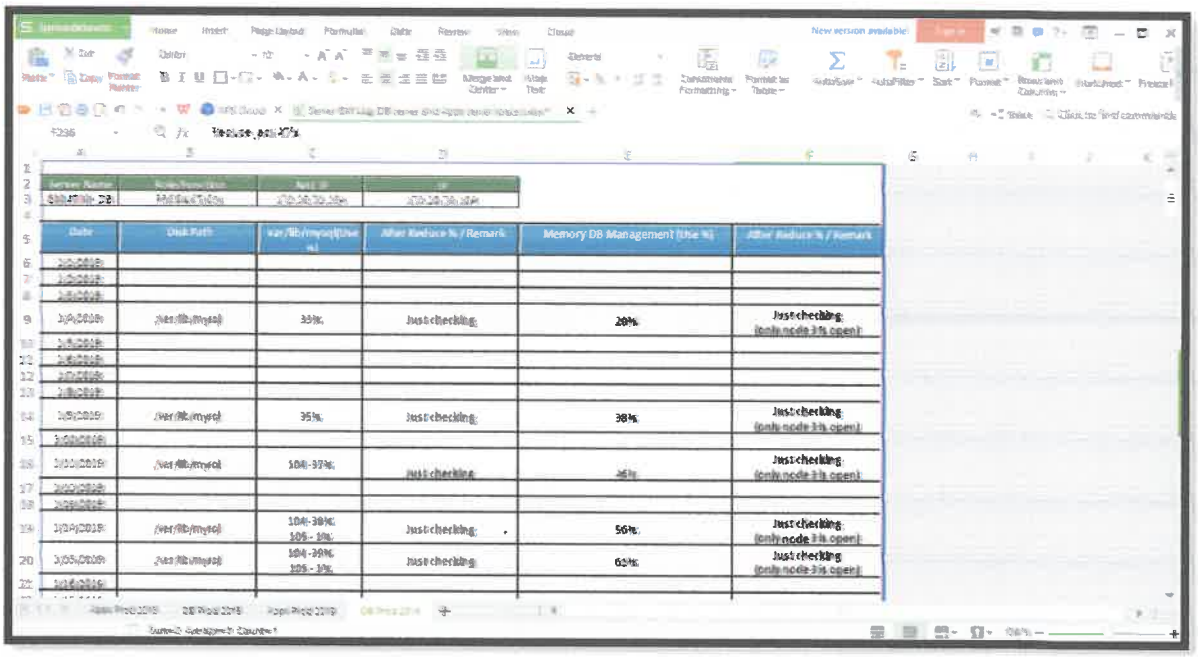


Figure 46: ISM Server Log

v. Tabung Haji Official Websites.

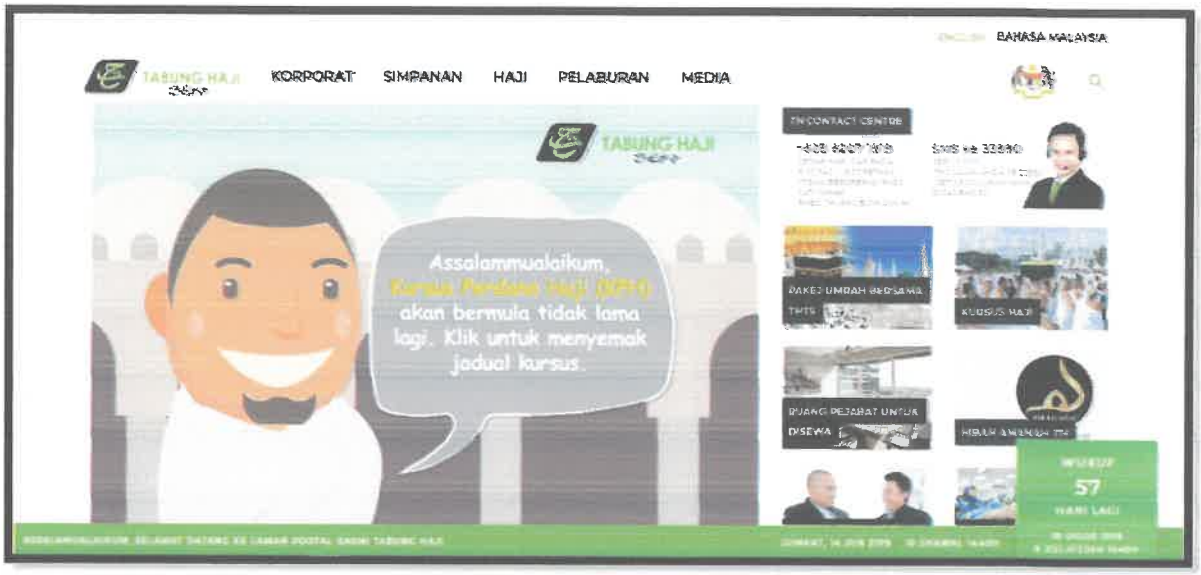


Figure 47: Tabung Haji Official Websites

vi. Putty.

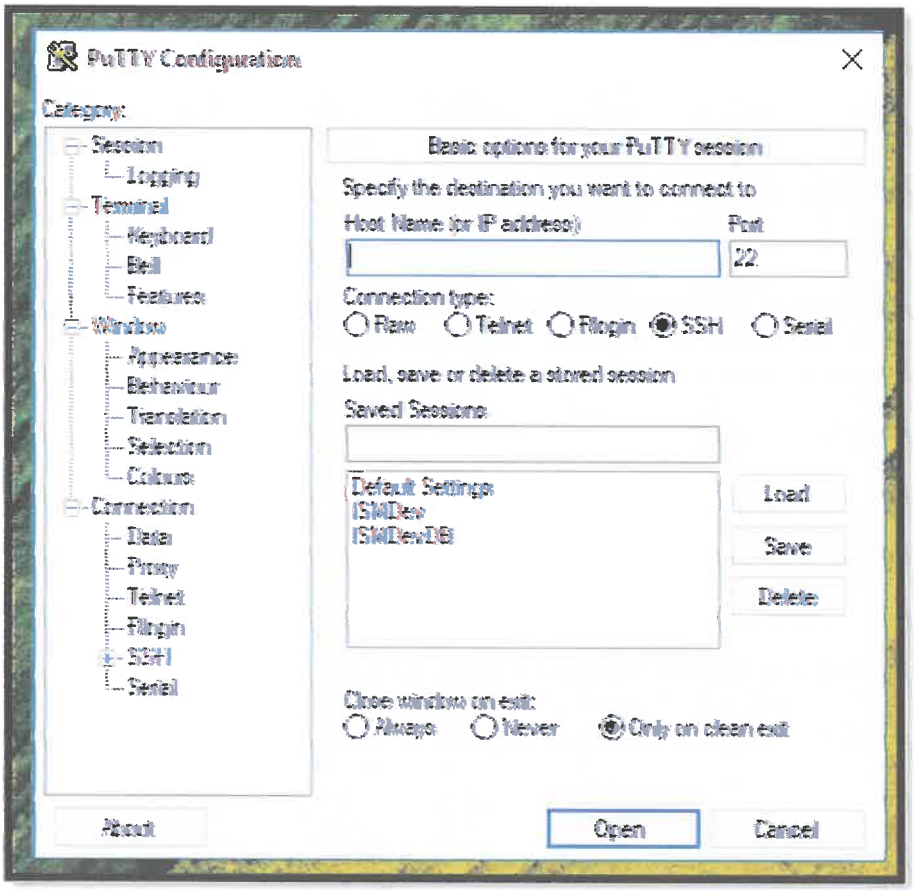


Figure 48: Putty

vii. Linux.

Figure 49: Linux

viii. PHP Hijri Date Display.

Figure 50: PHP Hijri Date Display

PHP File Location List

File Location:

1. thaji\application\views**info_view_bck030418.php**
2. thaji\application\views**main_view.php**
3. thaji\application\views**main_view_bck190418.php**
4. thaji\application\views\auth**forgot_password.php**
5. thaji\application\views\auth**login.php**
6. thaji\application\views\auth**login_bck030418.php**
7. thaji\application\views\booking**add_bookings_view_bck160616.php**
8. thaji\application\views\booking**add_bookings_view_bck171215.php**
9. thaji\application\views\booking**add_bookings_view_bck270916.php**
10. thaji\application\views**booking - Copy-22-11-2016\add_bookings_view_bck160616.php**
11. thaji\application\views**booking - Copy-22-11-2016\add_bookings_view_bck171215.php**
12. thaji\application\views**booking - Copy-22-11-2016\add_bookings_view_bck270916.php**
13. thaji\application\views**booking_27-9-2016\add_bookings_view_bck160616.php**
14. thaji\application\views**booking_27-9-2016\add_bookings_view_bck171215.php**
15. thaji\application\views**booking_27-9-2016\add_bookings_view_bck270916.php**
16. thaji\application\views\contact_us**contact_us_view.php**
17. thaji\application\views\contact_us**contact_view.php**
18. thaji\application\views\download**kerosakan_pdf_view.php**
19. thaji\application\views\download**kerosakan_pdf_view_bck13122017.php**
20. thaji\application\views\download**pdf_send_mail_view.php**
21. thaji\application\views\download**pdf_send_mail_view_2.php**
22. thaji\application\views\download**pdf_send_mail_view_3.php**
23. thaji\application\views\download**pdf_view.php**

24. thaji\application\views\download**pdf_view_caretaker.php**
25. thaji\application\views\download**pdf_view_original.php**
26. thaji\application\views\download**separuh_kerosakan_pdf_view.php**
27. thaji\application\views\download**separuh_kerosakan_pdf_view_bck13122017**.php
28. thaji\application\views\download**tiada_kerosakan_pdf_view.php**
29. thaji\application\views\download**tiada_kerosakan_pdf_view_bck13122017**
30. thaji\application\views\gallery**gallery_view_bck030418.php**
31. thaji\application\views\register**create_user.php**
32. thaji\application_10072017\views**info_view.php**
33. thaji\application_10072017\views**main_view.php**
34. thaji\application_10072017\views\auth**forgot_password.php**
35. thaji\application_10072017\views\auth**login.php**
36. thaji\application_10072017\views\booking**add_bookings_view.php**
37. thaji\application_10072017\views\booking**add_bookings_view_bck160616.php**
38. thaji\application_10072017\views\booking**add_bookings_view_bck171215.php**
39. thaji\application_10072017\views\booking**add_bookings_view_bck270916.php**
40. thaji\application_10072017\views\contact_us**contact_us_view.php**
41. thaji\application_10072017\views\download**pdf_view.php**
42. thaji\application_10072017\views\gallery**gallery_view.php**
43. thaji\application_10072017\views\register**create_user.php**

HOUSEKEEPING GUIDELINE

Housekeeping ISM DB

Date	Ver	Brief Description
07 March 2019	1.0	First draft

Table of Contents

1. Objective

The objective of this document is to give a detail explaination on how housekeeping ISM DB. This to ensure ISM process run smoothly or when needed.

2. Check Memory Usage (172.20.70.104 & 172.20.70.105)

2.1 Login using username **root**

2.2 To check memory usage :

```
ndb_mgm -e "all report memory"
```

```
[root@thism-mdb3 sqldump]# ndb_mgm -e "all report memory"
Connected to Management Server at: 172.20.70.104:1186
Node 3: Data usage is 47%(156657 32K pages of total 327680)
Node 3: Index usage is 9%(38320 8K pages of total 393248)
```

3. Check space in ISM DB

3.1 Login to MYSQL

```
mysql -u root -p
Enter password :  P@ssw0rd
```

3.2 Check space

```
use ism; <Enter>

SELECT TABLE_SCHEMA, TABLE_NAME, ROUND((DATA_LENGTH +
INDEX_LENGTH) / 1024) AS `Size (KB)` FROM
INFORMATION_SCHEMA.TABLES WHERE TABLE_SCHEMA = 'ism';
```

TABLE_SCHEMA	TABLE_NAME	Size (KB)
ism	application	128
ism	application_h	128
ism	applicationinfo	128
ism	applicationinfo_h	128
ism	appsystem	128
ism	appsystem_h	128
ism	appsystemcode	0
ism	appsystemcode_h	0
ism	backupconfiguration	64

4. Truncate

4.1 Truncate only these log files :

a) ism_gid_xx
b) log_realtime_xx

4.2 Truncate using :

Example : to truncate file ism_gid_01 & log_realtime_01

```
TRUNCATE TABLE ism.ism_gid_01;
```

```
mysql> TRUNCATE TABLE ism.ism_gid03;
Query OK, 0 rows affected (0.37 sec)

mysql> TRUNCATE TABLE ism.ism_gid04;
Query OK, 0 rows affected (0.29 sec)
```

```
TRUNCATE TABLE ism.log_realtime_01;
```

```
mysql> TRUNCATE TABLE ism.log_realtime01;
Query OK, 0 rows affected (1.36 sec)

mysql> TRUNCATE TABLE ism.log_realtime02;
Query OK, 0 rows affected (1.79 sec)
```

5. Backup and Truncate

5.1 Log files :
ws_log_xx

5.2 Backup using :
Example : to backup file ws_log_01

```
nohup mysqldump --verbose --no-tablespaces --no-create-info -u
root -pP@ssw0rd ism ws_log_01 > ws_log_01_ddMMYY.sql &
```

```
[root@thism-mdb3 sqldump]# nohup mysqldump --verbose --no-tablespaces --no-create
-info -u root -pP@ssw0rd ism ws_log_01 > ws_log_01_190314.sql &
```

5.3 Truncate using :
Example : to backup file ws_log_01

```
TRUNCATE TABLE ism.ws_log_01;
```

```
mysql> TRUNCATE TABLE ism.ws_log_01;
Query OK, 0 rows affected (17.65 sec)
```

HOUSEKEEPING ROUTINE

HOUSEKEEPING ROUTINE

1. Login 172.20.70.104 & 172.20.70.105 using username **root (sudo su -)**.
2. Check memory usage:
   - ➔ ndb_mgm –e "all report memory"

3. Enter the mysql:
   - ➔ mysql –u root –p
     Enter password : **P@ssw0rd**

   - ➔ use ism;

   Check space in table ism using command:

   - ➔ SELECT TABLE_SCHEMA, TABLE_NAME, ROUND((DATA_LENGTH + INDEX_LENGTH) / 1024) AS `Size (KB)` FROM INFORMATION_SCHEMA.TABLES WHERE TABLE_SCHEMA = 'ism';

4. Truncate only:
   - **ism_gid_**
   - **log_realtime_**

   Truncate using command:

   - ➔ TRUNCATE TABLE ism.ism_gid_01;
   - ➔ TRUNCATE TABLE ism.log_realtime_01;

   **use this command inside mysql –u root –p*

5. Backup and then truncate:
   - **ws_log_**

   Backup using command:

   - ➔ nohup mysqldump --verbose --no-tablespaces --no-create-info -u root -pP@ssw0rd ism ws_log_01 > ws_log_01_ddMMYY.sql &

   **use this command inside the path where you want to backup*

   Then truncate:

   - ➔ TRUNCATE TABLE ism.ws_log_01;

   **use this command inside mysql –u root –p*

TH link & Delink & Cancellation Issue

Card No/CIF No: 10290000000018

	Response
	Result Code
Primary Link	AA
Third Party Link	AA
Third Party Link	AA
Delink	AA
Third Party Link	AA
Cancellation	AA
Primary Link	AB
Primary Link	AB
Primary Link	AB

	Response
	Result Code
Primary Link	AA
Third Party Link	AA
Third Party Link	AA
Delink	AA
Third Party Link	AA
Cancellation	AA
Primary Link	AB
Primary Link	AB
Primary Link	AB

Card No/CIF No: 10290000000019

Try to tag the TH account no which p

	Response
	Result Code
Primary Link	AB

Rejected 0003 - Invalid ID Number

	Response
	Result Code
Primary Link	AB

Message from BRKM to Tabung Haji		
0500CMSTHCMS031216535900010 2019031216:53:59:00T00003007 BKRM	THT00003007	10290
0510CMSTHCMS031217155600011 2019031217:15:56:00T00003005 BKRM	THT00003005	10290
0510CMSTHCMS031217253700012 2019031217:25:37:00T00003007 BKRM	THT00003007	10290
0530CMSTHCMS031217300500013 2019031217:30:05:00T00003005 BKRM	THT00003005	10290
0510CMSTHCMS031217404300015 2019031217:40:43:00T00003005 BKRM	THT00003005	10290
0540CMSTHCMS031309521000016 2019031309:52:10:00T00003005 BKRM	THT00003005	10290
0500CMSTHCMS031310071100017 2019031310:07:11:00T00003007 BKRM	THT00003007	10290
0500CMSTHCMS031310080200018 2019031310:08:02:00T00003007 BKRM	THT00003007	10290
0500CMSTHCMS031311322000019 2019031311:32:20:00T00003007 BKRM	THT00003007	10290

Message from Tabung Haji to BRKM			
0501CMSTHCMS031216535900010 2019031216:53:59.82T00003007 BKRM	THT00003007		00008
0511CMSTHCMS031217155600011 2019031217:15:56.85T00003005 BKRM	THT00003005		00001
0511CMSTHCMS031217253700012 2019031217:25:37.31T00003007 BKRM	THT00003007		00001
0531CMSTHCMS031217300500013 2019031217:30:06.40T00003005 BKRM	THT00003005		00008
0511CMSTHCMS031217404300015 2019031217:40:43.66T00003005 BKRM	THT00003005		00001
0541CMSTHCMS031309521000016 2019031309:52:10.44T00003005 BKRM	THT00003005		00008
0501CMSTHCMS031310071100017 2019031310:07:11.29T00003007 BKRM	THT00003007		9999
0501CMSTHCMS031310080200018 2019031310:08:02.18T00003007 BKRM	THT00003007		9999
0501CMSTHCMS031311322000019 2019031311:32:21.00T00003007 BKRM	THT00003007		9999

previously tagged to 10290000000018 but already cancel success to 10290000000019.

Message from BRKM to Tabung Haji		
0500CMSTHCMS031414133800022 2019031414:13:38:00T00003006 BKRM	THT00003006	10290

Message from Tabung Haji to BRKM			
0501CMSTHCMS031414133800022 2019031414:13:38.13T00003006 BKRM	THT00003006		9999

Start Stop DB ISM - Management, NDB & MYSQL

Start Stop DB ISM

Management, NDB & MYSQL

Table of Contents

1. Objective

The objective of this document is to give a detail explaination on how to:-

a) Up Management Node
b) Up NDB Node
c) Up MySQL
d) Shut down MySQL
e) Shut down NDB Node
f) Shut down Management Node

2. Procedure up Management Node in (172.20.70.104 & 172.20.70.105)

172.20.70.104	MGMT 1
LOGIN	user:administrator pass: admin123 ------- current password sudo su - pass: admin123 ------- current password
COMMAND	ndb_mgmd --config-file=/var/lib/mysql-cluster/conf/config.ini --initial --configdir=/var/lib/mysql-cluster/conf

172.20.70.105	MGMT 2
LOGIN	user:administrator pass: admin123 ------- current password sudo su - pass: admin123 ------- current password
COMMAND	ndb_mgmd --config-file=/var/lib/mysql-cluster/conf/config.ini --initial --configdir=/var/lib/mysql-cluster/conf

3. Procedure up NDB Node in (172.20.70.102 & 172.20.70.103)

172.20.70.102	NDB 1
LOGIN	user:administrator pass: admin123 ----- current password sudo su - pass: admin123 ----- current password
COMMAND	ndbd -c 172.20.70.104:1186

172.20.70.103	NDB 2
LOGIN	user:administrator pass: admin123 ------- current password sudo su - pass: admin123 ------- current password
COMMAND	ndbd -c 172.20.70.104:1186

4. Procedure up MYSQL Node in (172.20.70.104 & 172.20.70.105)

172.20.70.104	Check Status of NDB Node before up MYSQL Node
LOGIN	user:administrator pass: admin123 ------- current password sudo su - pass: admin123 ------- current password
COMMAND	1. ndb_mgm <enter> 2. show <enter> Make sure result like as below : id=3 @172.20.70.102 (mysql-5.7.17 ndb-7.5.5, Nodegroup: 0, *)

172.20.70.104	MYSQL 1
LOGIN	user:administrator pass: admin123 ------- current password su - mysql pass:BNMjkl123#
COMMAND	mysqld --defaults-file=/etc/my.cnf &
172.20.70.104	Change connection max size
LOGIN	mysql -u root -p pass:P@ssw0rd
COMMAND	set GLOBAL max_connections=1000; -------- WAJIB

172.20.70.105	MYSQL 2
LOGIN	user:administrator pass:admin123 ------- current password su - mysql pass:BNMjkl123#
COMMAND	mysqld --defaults-file=/etc/my.cnf &
172.20.70.105	Change connection max size
LOGIN	mysql -u root -p pass:P@ssw0rd
COMMAND	set GLOBAL max_connections=1000; -------- WAJIB

5. Procedure down MYSQL Node in (172.20.70.104 & 172.20.70.105)

172.20.70.104	MYSQL 1
LOGIN	user:administrator pass:admin123 ------- current password su - mysql pass:BNMjkl123#
COMMAND	1. mysql -u root -p <enter> pass:P@ssw0rd 2. shutdown;

172.20.70.105	MYSQL 2
LOGIN	user:administrator pass:admin123 ------- current password su - mysql pass:BNMjkl123#
COMMAND	1. mysql -u root -p <enter> pass:P@ssw0rd 2. shutdown;

6. Procedure down NDB Node & Management Node in (172.20.70.104 & 172.20.70.105)

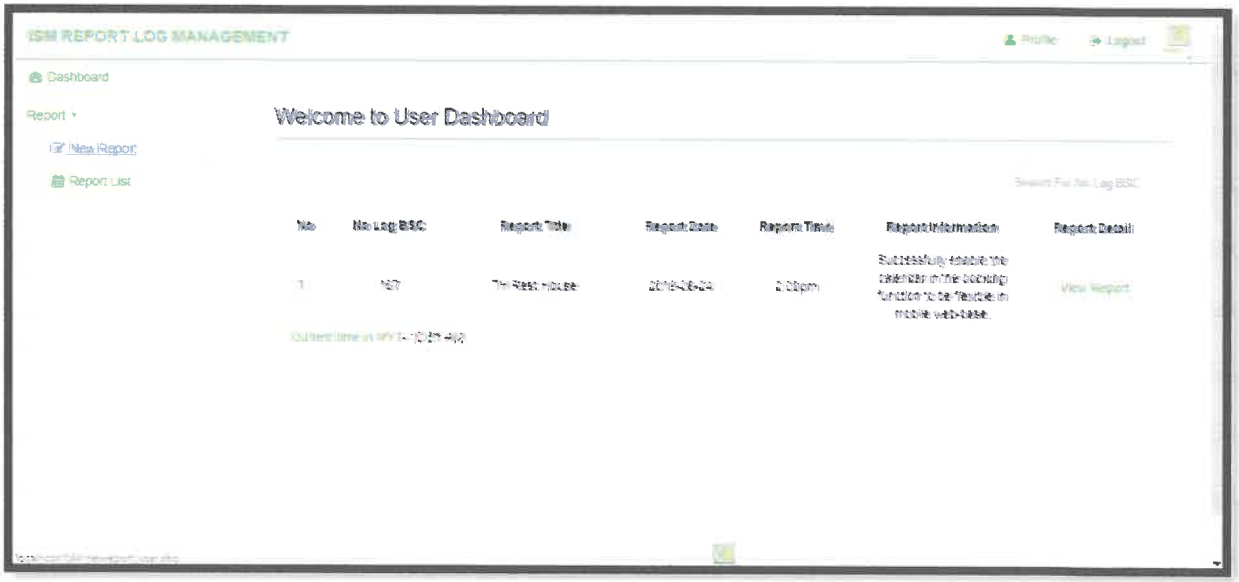
172.20.70.104	Down All NDB and MGMT
LOGIN	user:administrator pass: admin123 ------- current password sudo su - pass: admin123 ------- current password
COMMAND	1. ndb_mgm <enter> 2. shutdown -all <enter>

SYSTEM MANUAL (USER)

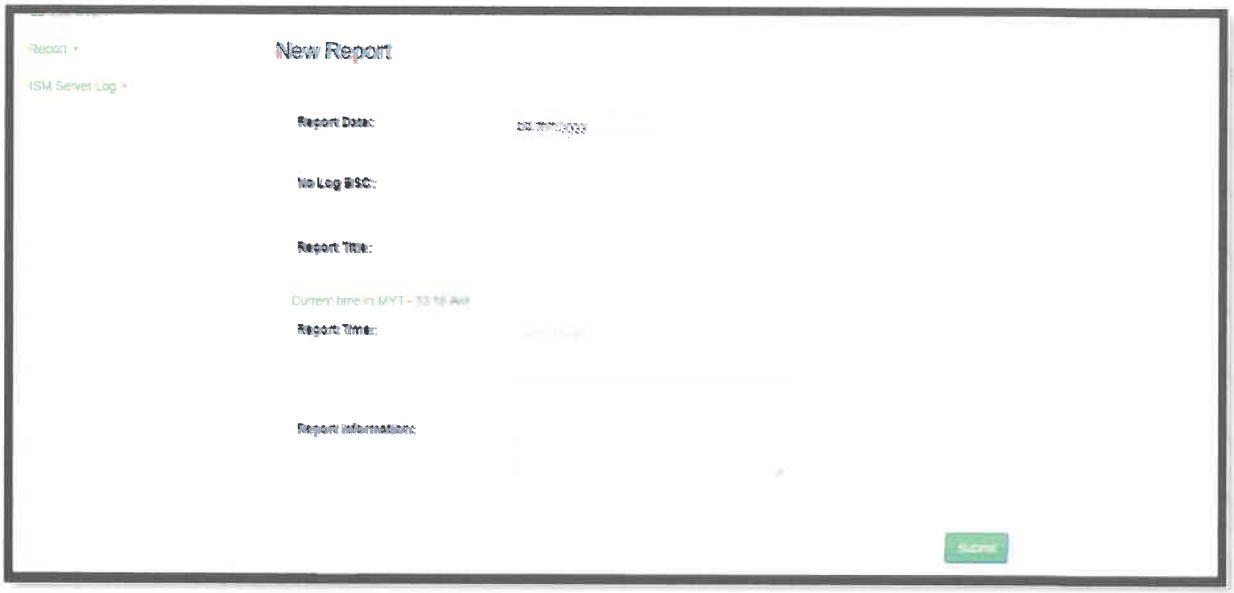
1. Create new report.

I. Login to the ISM Report Log Management. (Insert your username and password).

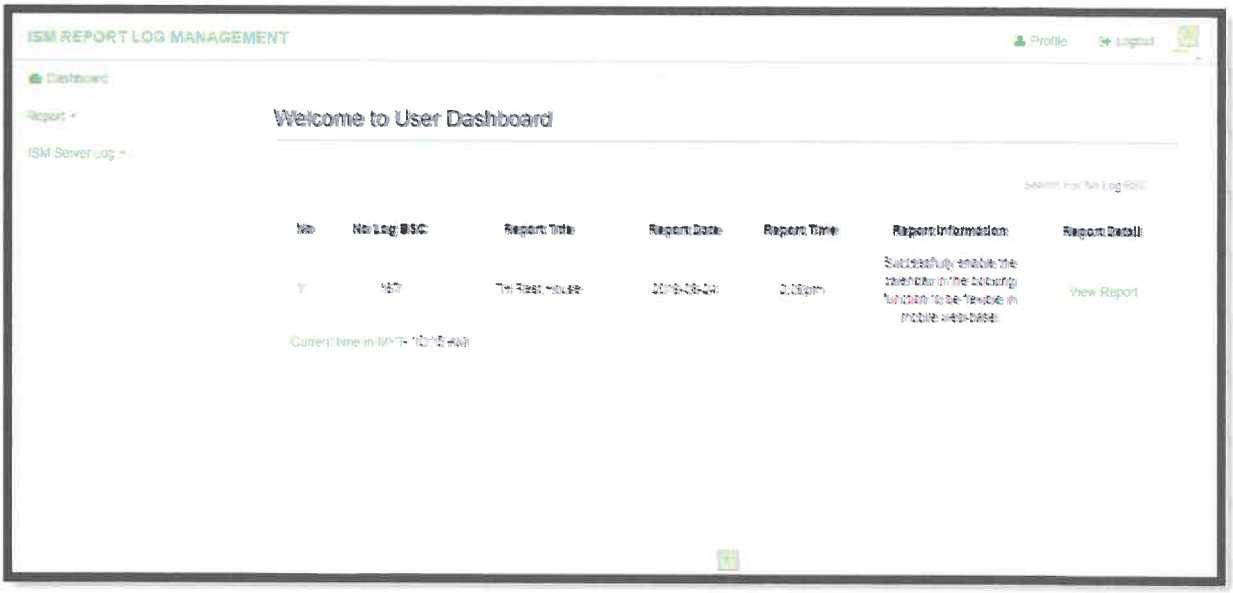
II. User dashboard interface then click “Report” and choose “New Report”.



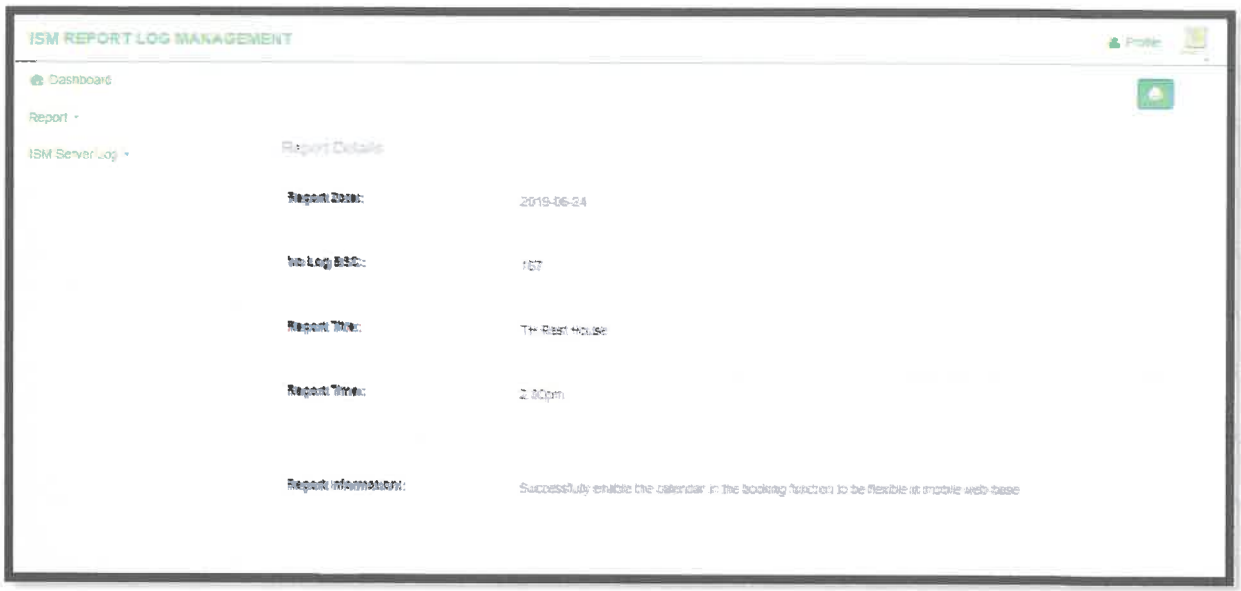
III. Fill the information needed and click “Submit”.



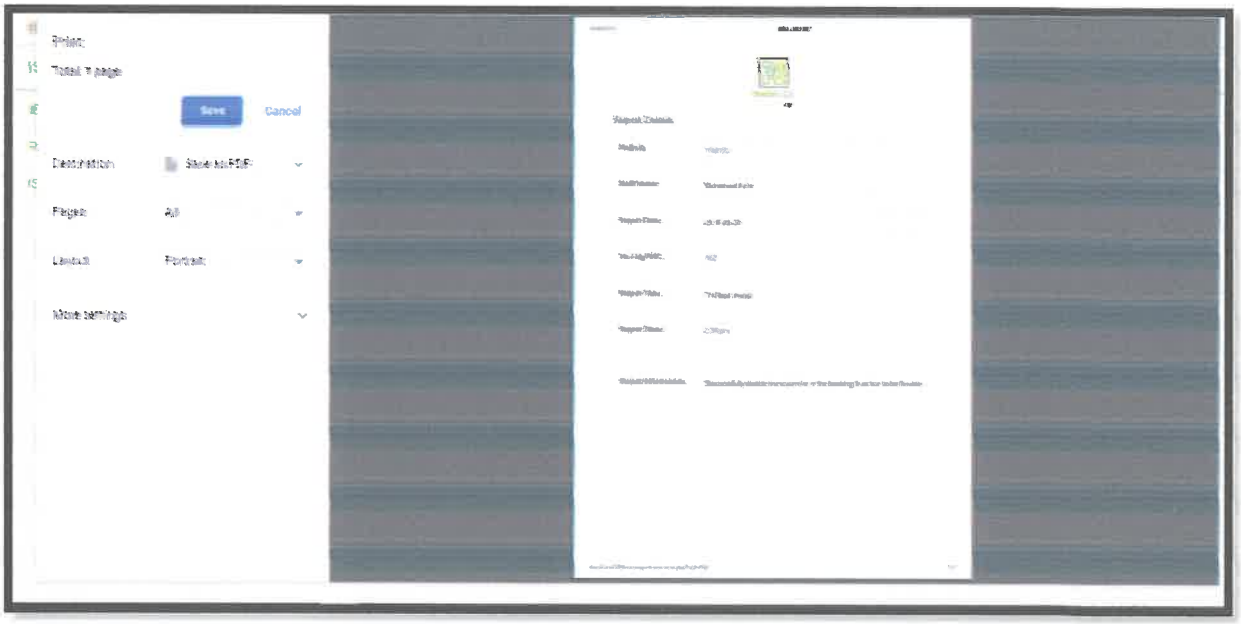
IV. To view the report go back to dashboard and click “View Report”.



V. View report interface. To generate the report click the printer button at the right top.

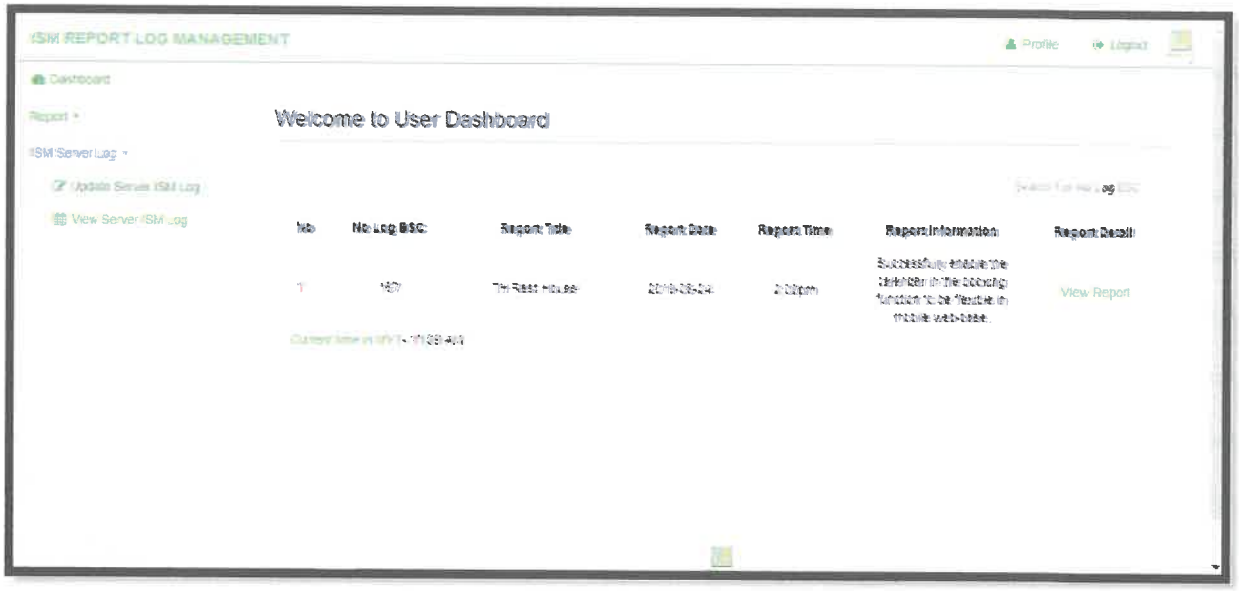


VI. Report download interface.



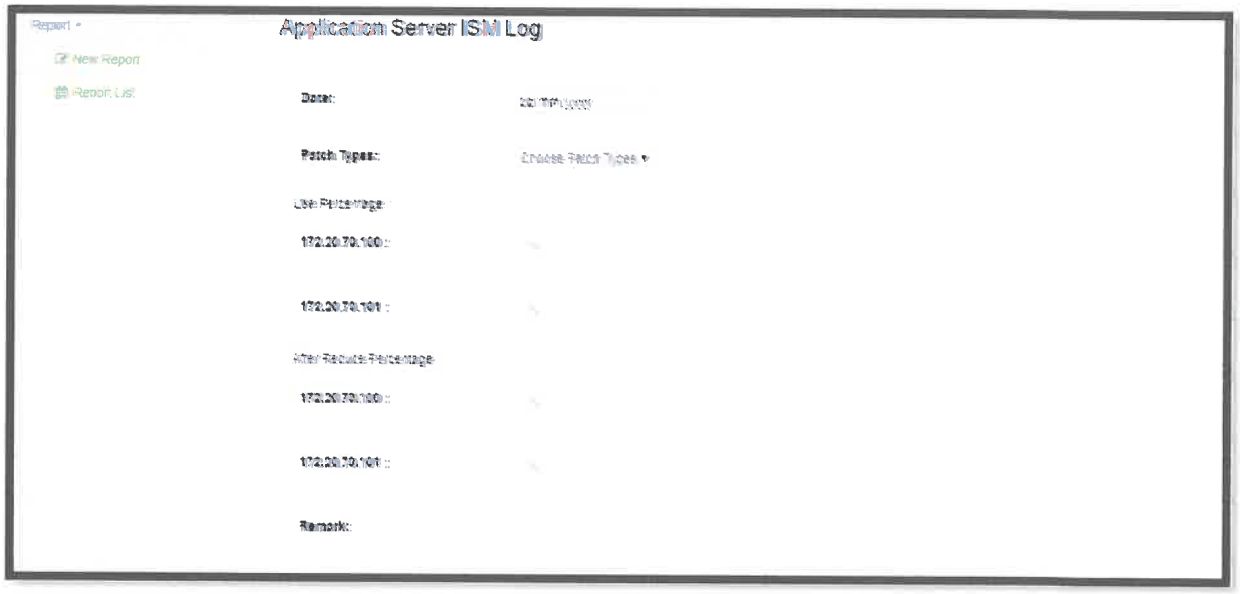
2. Update ISM server log report.

I. Go to the "Dashboard" and click "ISM Server Log". Choose "Update Server ISM Log".

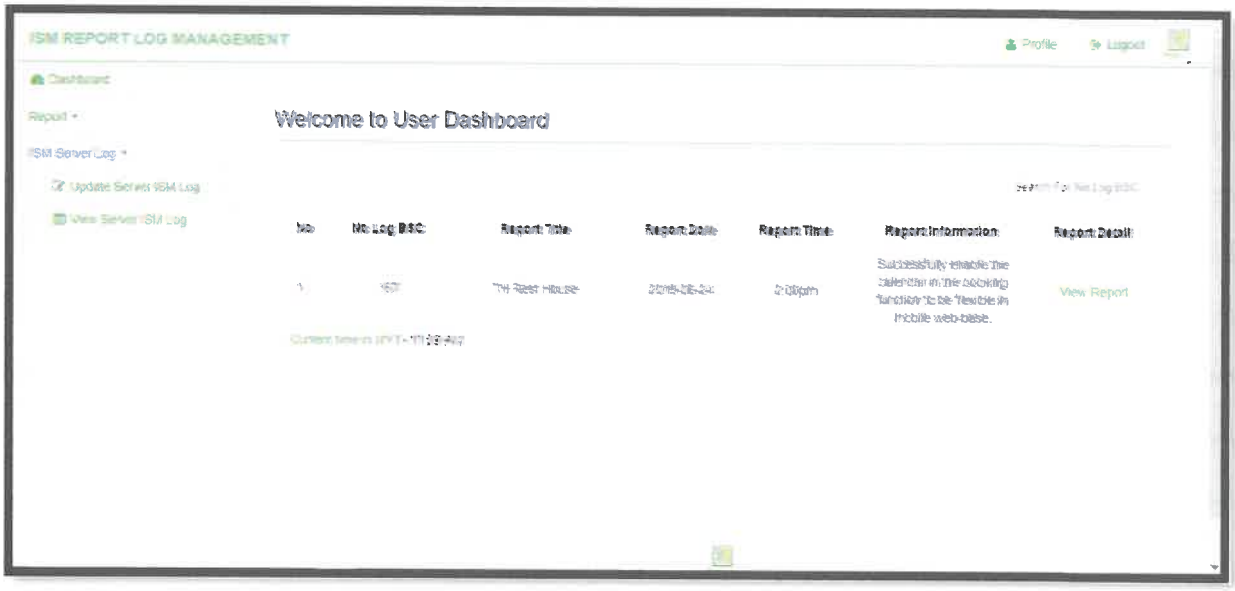


II. ISM Server Log menu, choose application server.

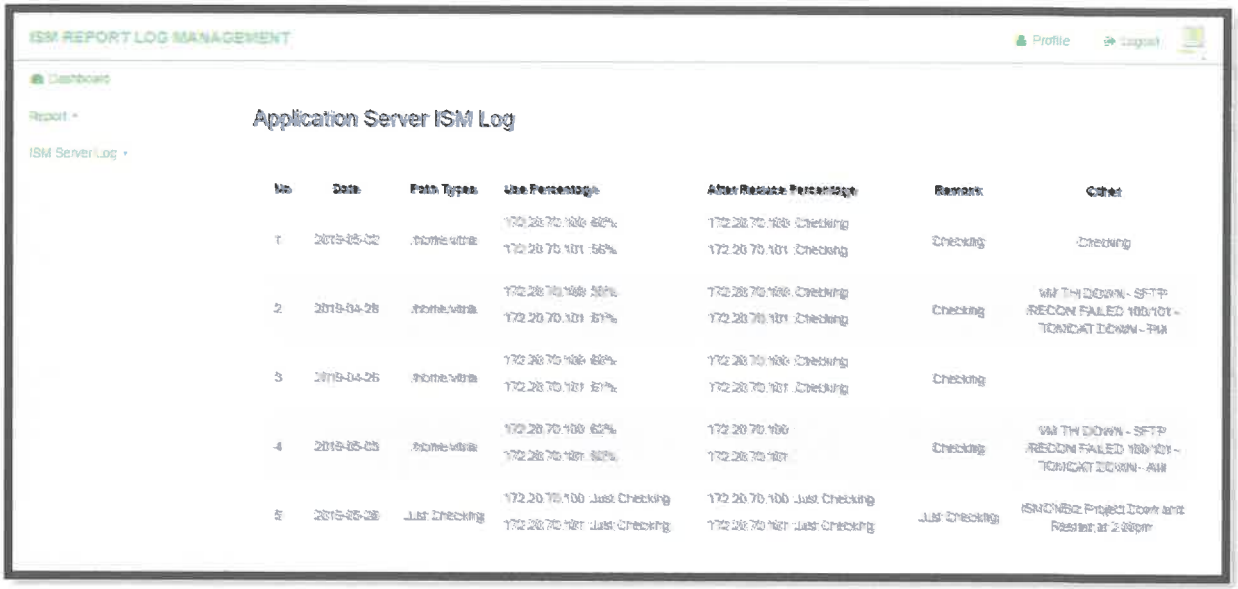
III. Fill the information needed and click the submit button.



IV. To view the report, click "ISM Server Log" and choose "View Server ISM Log".

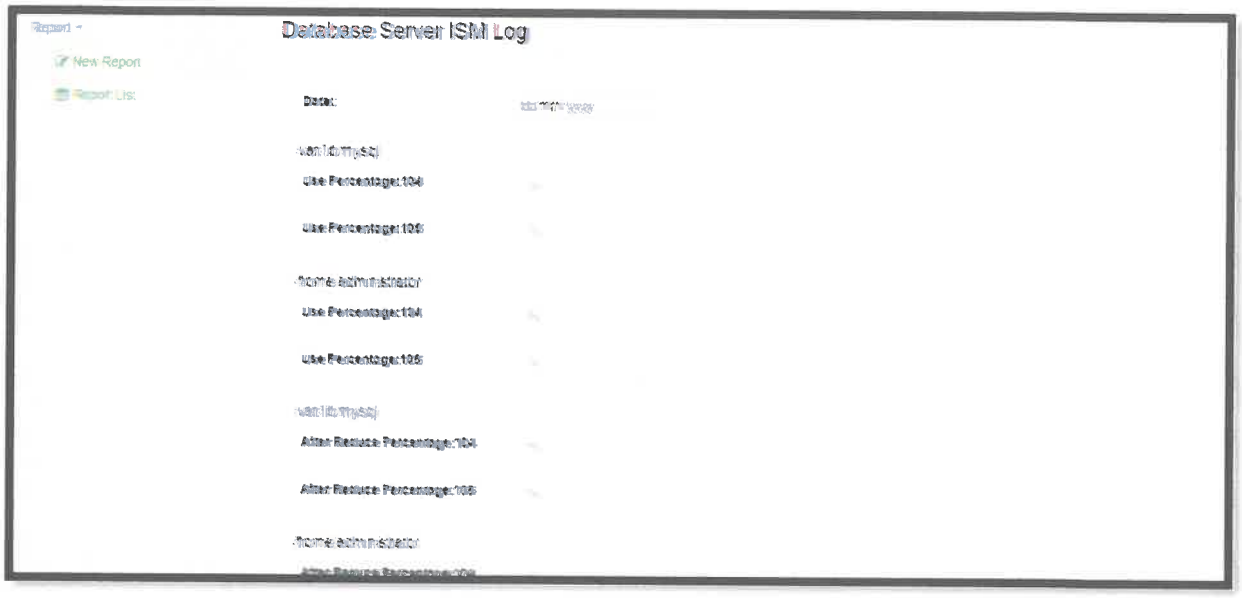


V. ISM Server Log Application Server report list interface.



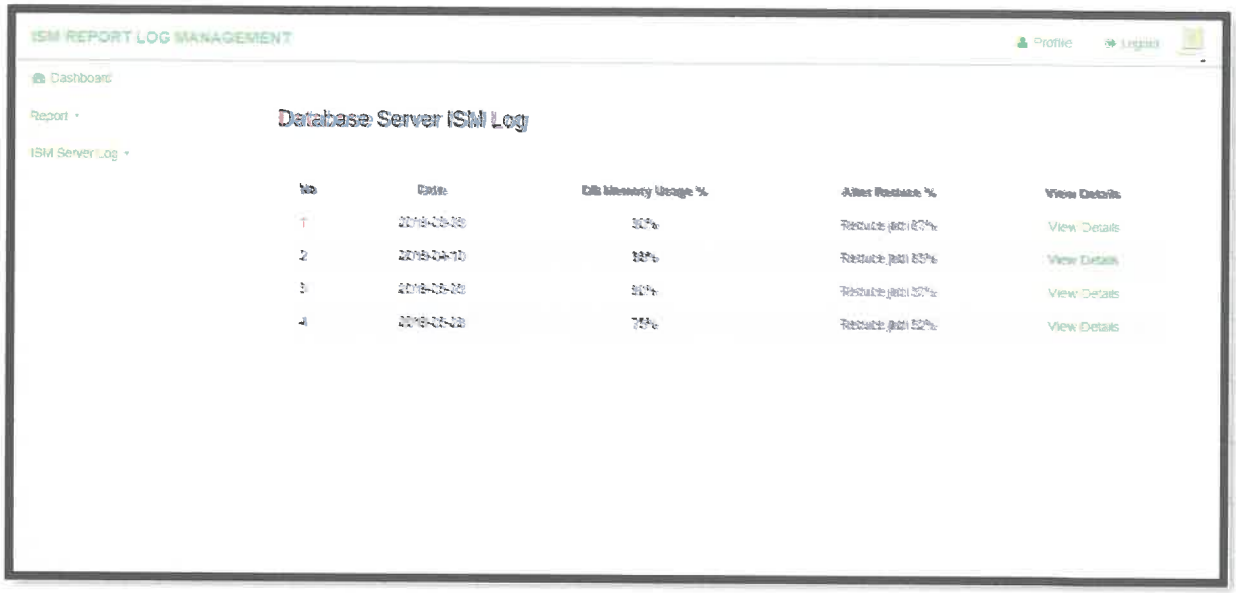
VI. For the database server, go to the "ISM Report Log" menu interface, "View Server ISM Log" and choose "Database Server".

VII. Fill the information needed and click submit.

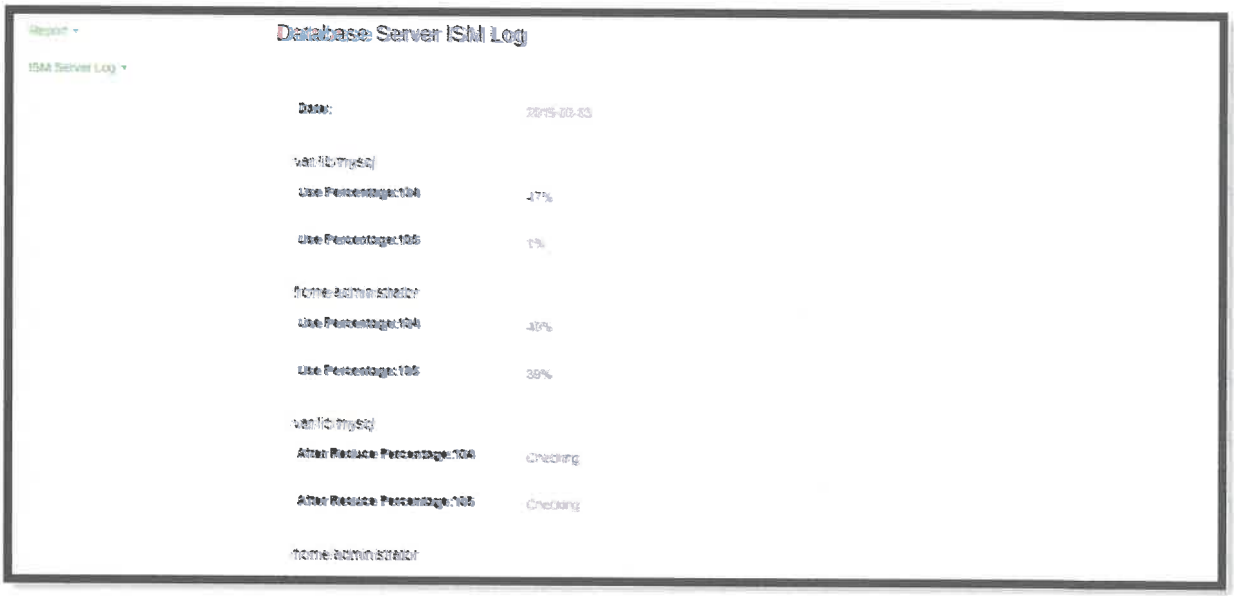


VIII. To view the report click "ISM Server Log" and choose "View Server ISM log". Click Database Server.

IX. Database Server Log report list. To view details “View Details”.

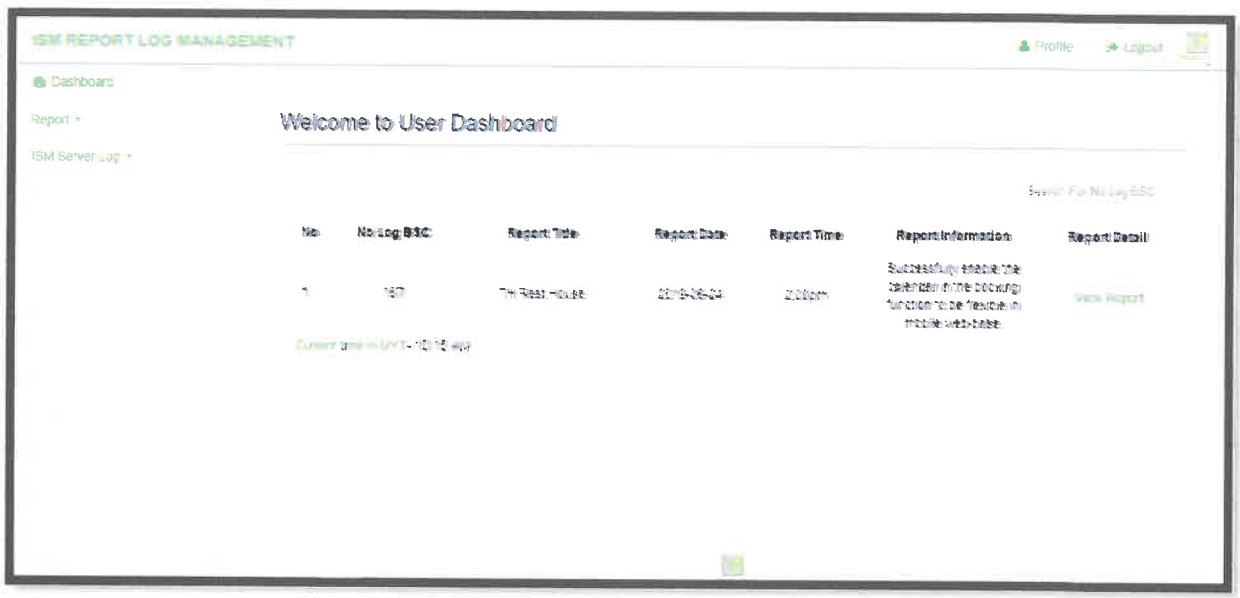


X. Database Server Log report details interface.

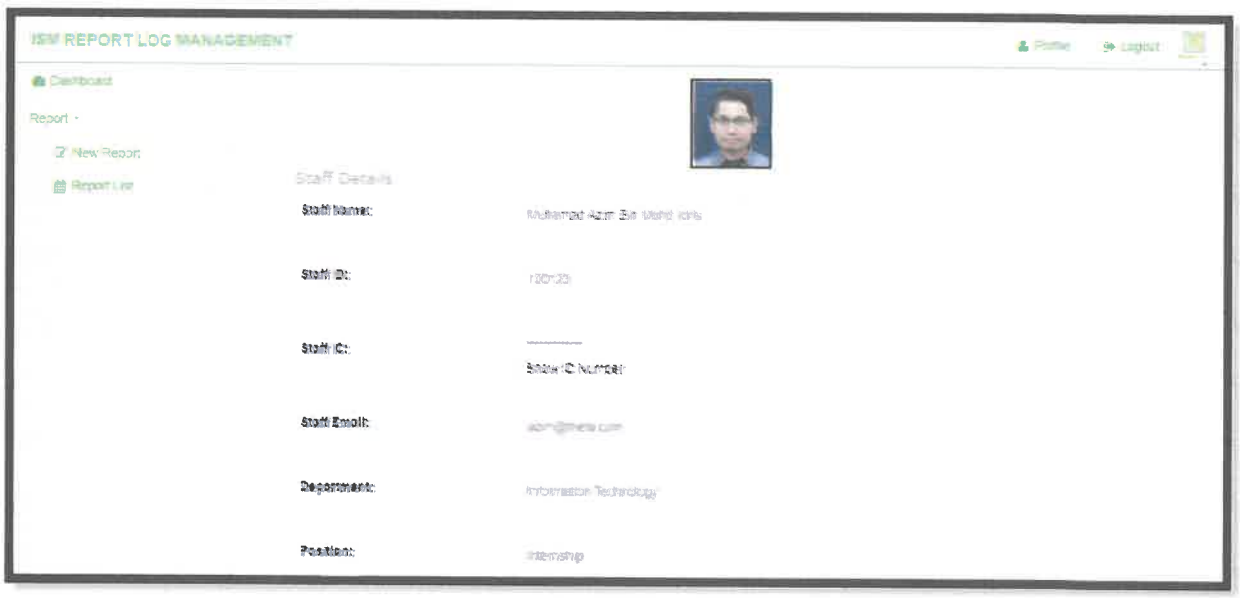


3. View User profile.

I. Click the “Profile” icon at the top.

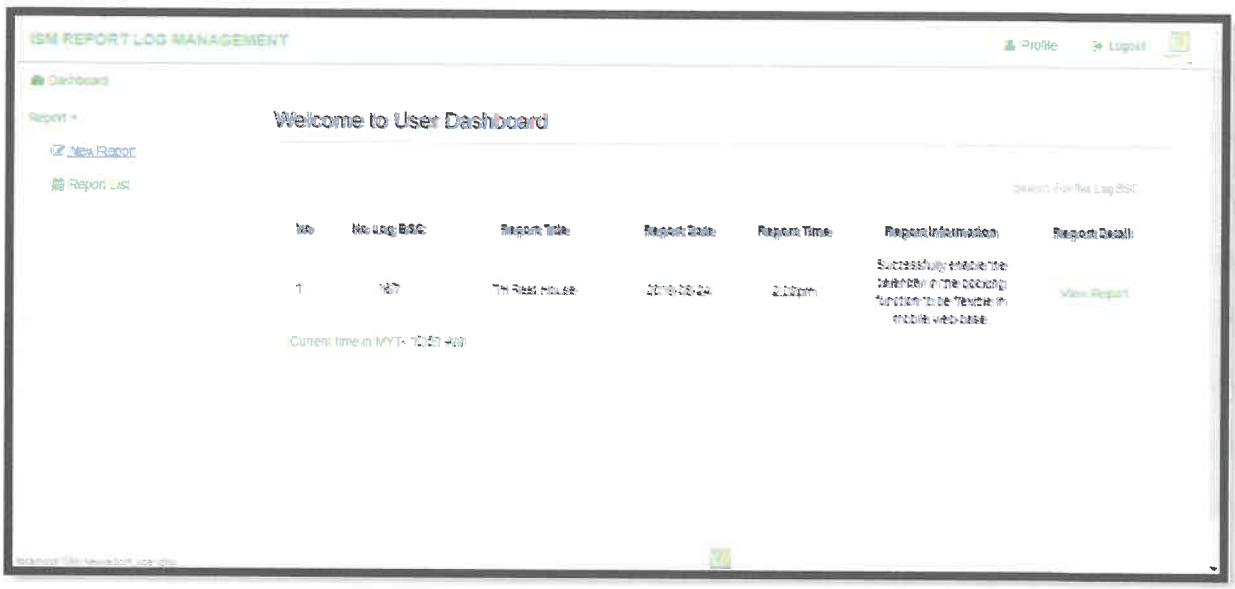


II. User profile interface.

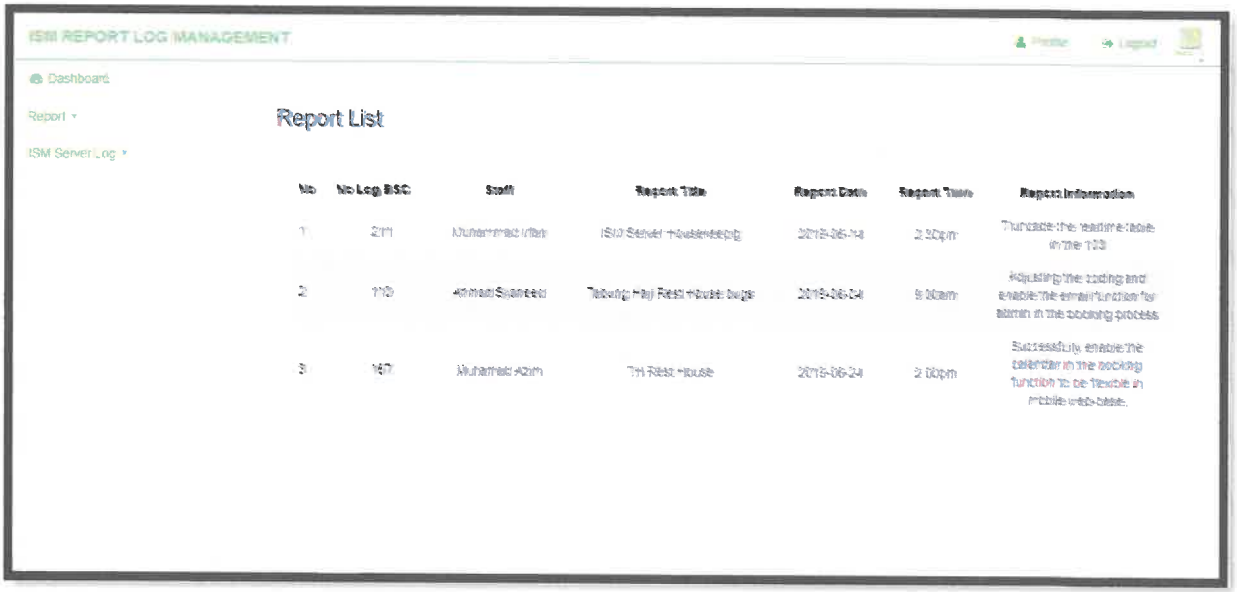


4. View Reported list.

i. Click “Report” and choose “Report List”.



ii. Report list interface.



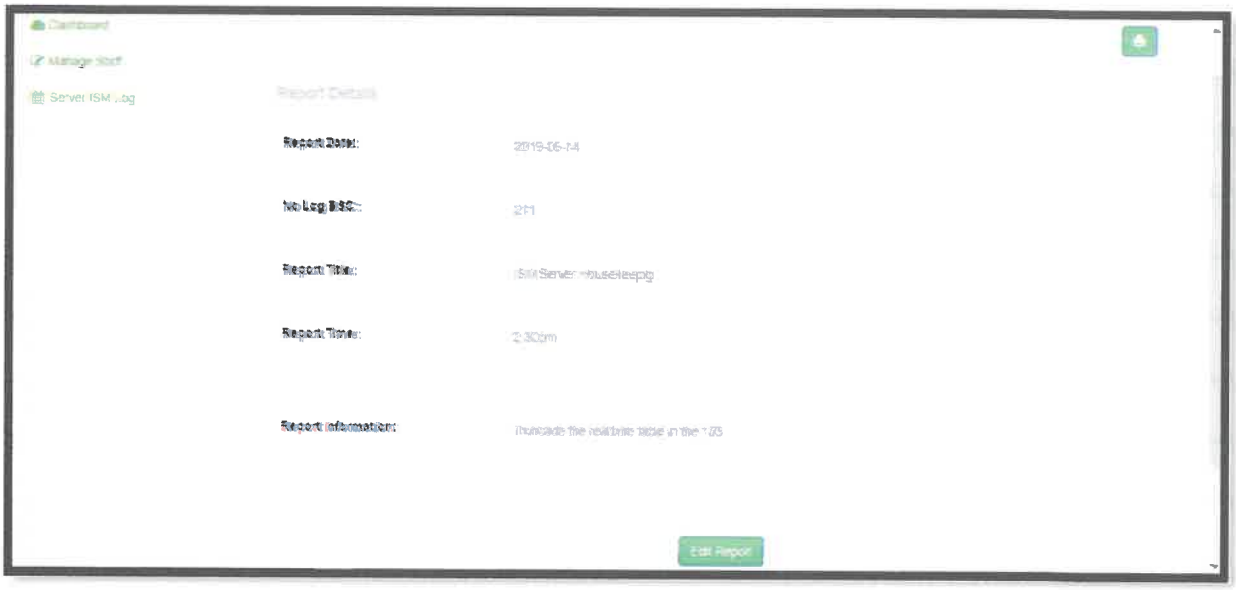
SYSTEM MANUAL (ADMIN)

1. Check and edit report.

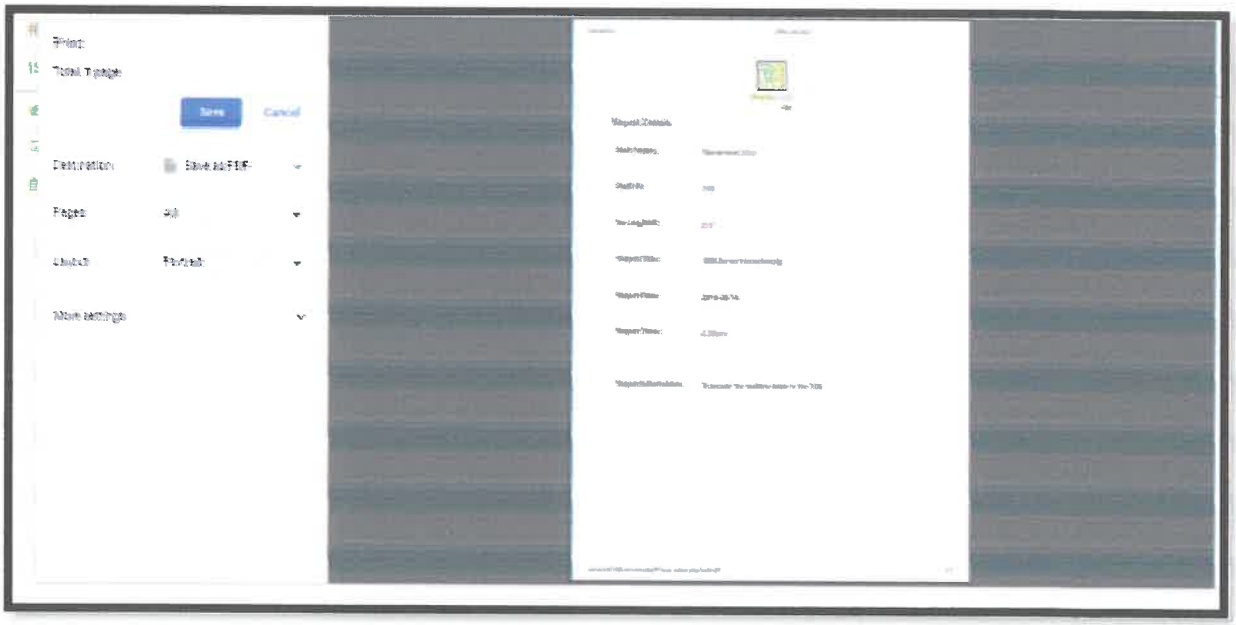
I. Login to the ISM Report Log Management. (Insert username and password).

II. Admin "Dashboard" interface. Click "View Report" to view report details.

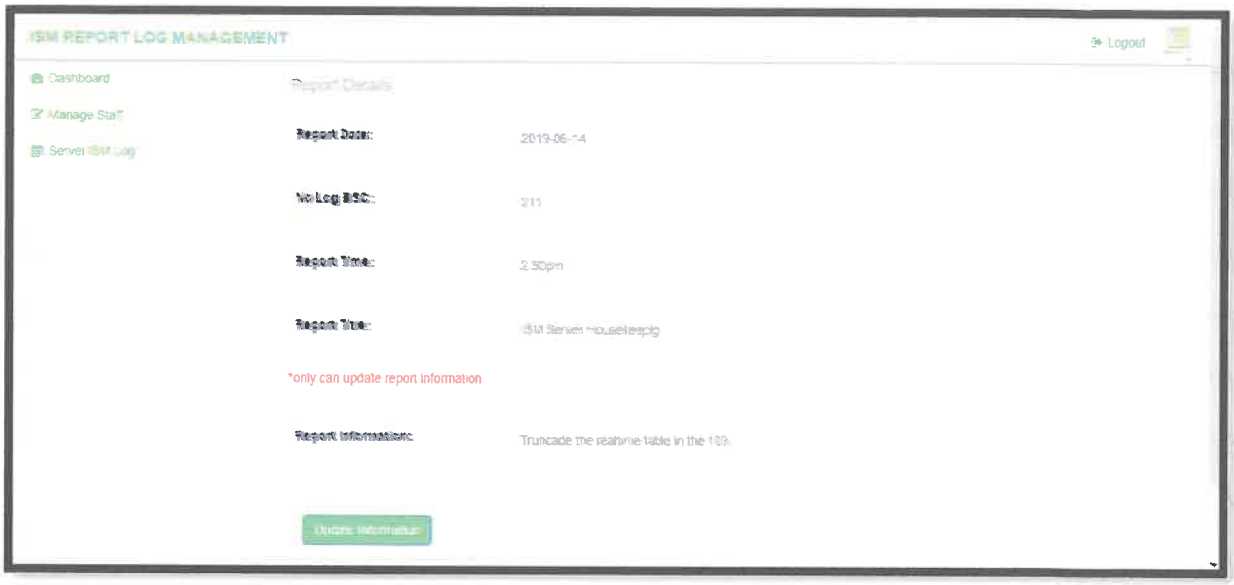
III. Click the printer icon at the right top to download the report and "Edit Report" to edit the specific report.



IV. Download interface.

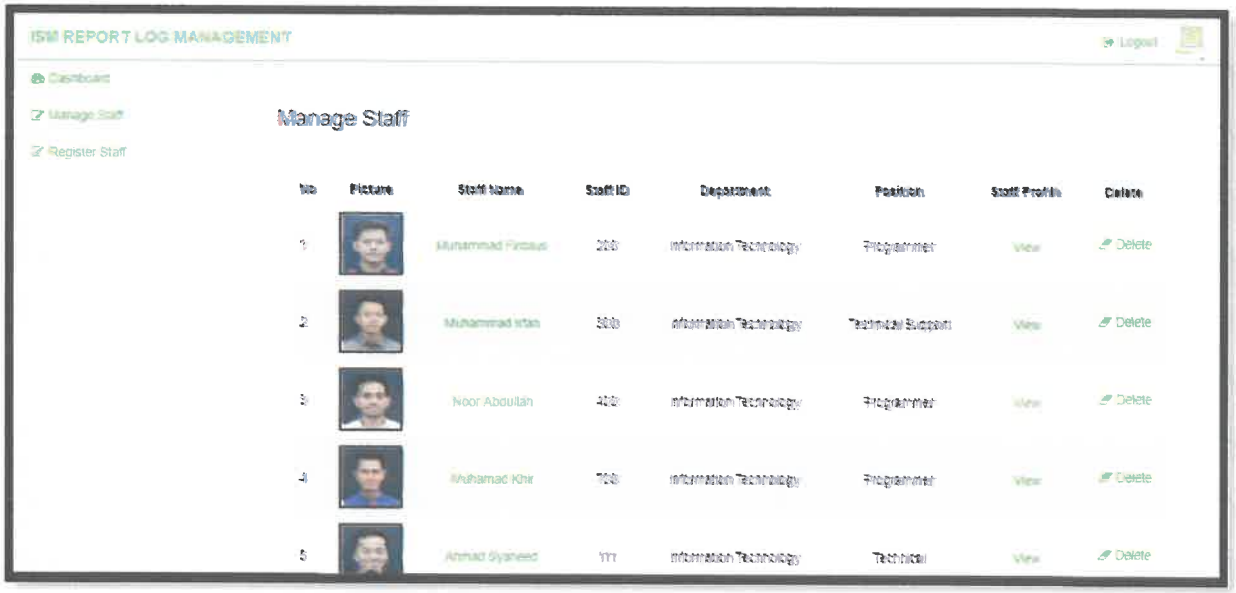


V. Edit report interface. Only update the report information and click update.



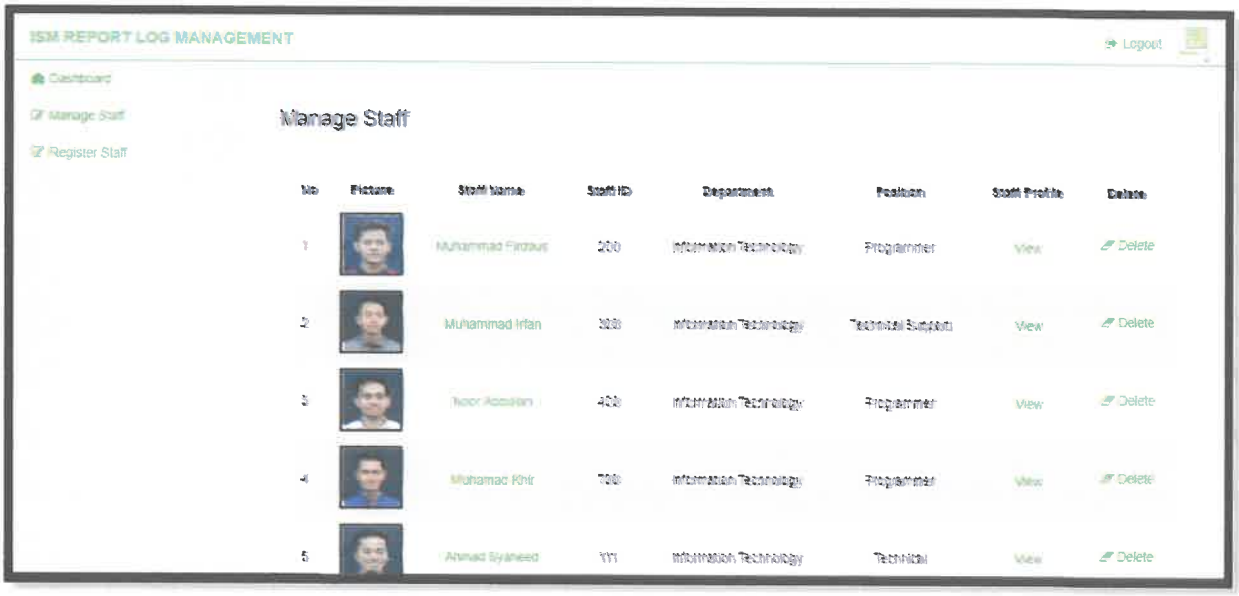
2. Manage Staff.

I. Click manage staff to view staff list.

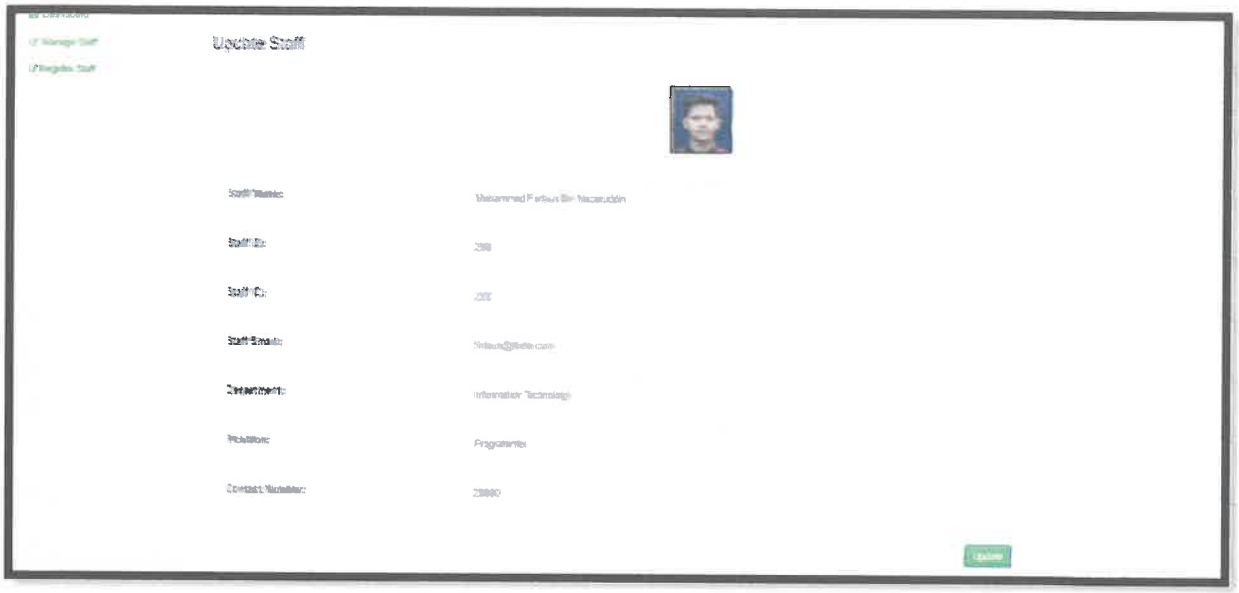


II. Click staff name to view the staff activity.

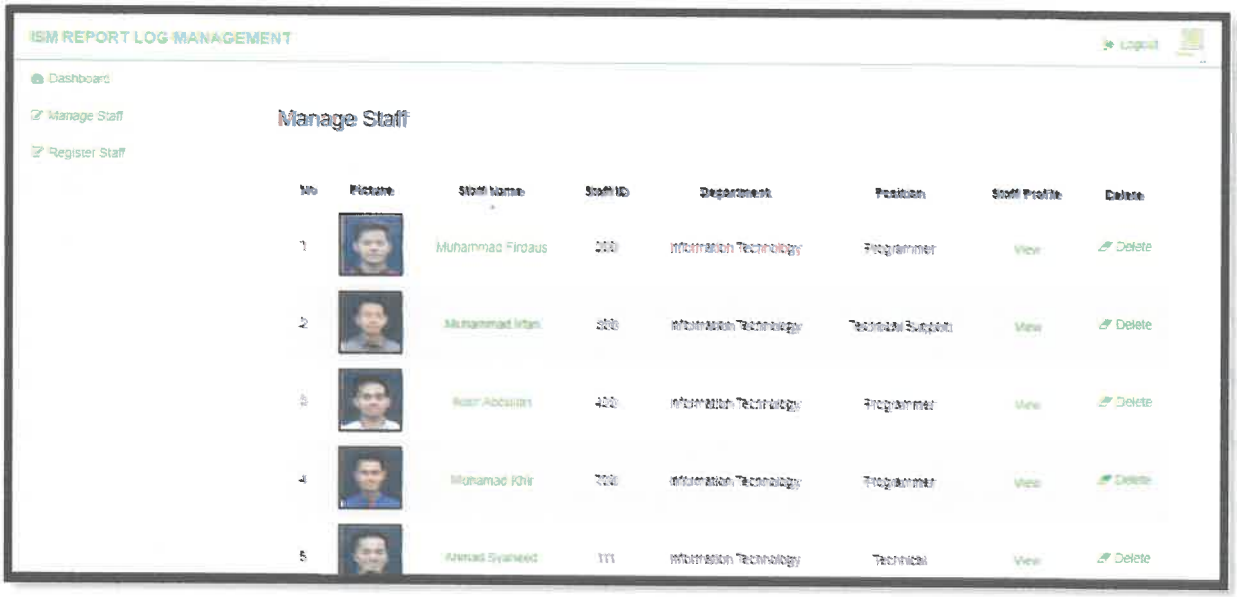
III. Back to the "Manage Staff" interface and click "View" to view staff profile.



IV. Update the staff information and click button "Update" to update staff information.



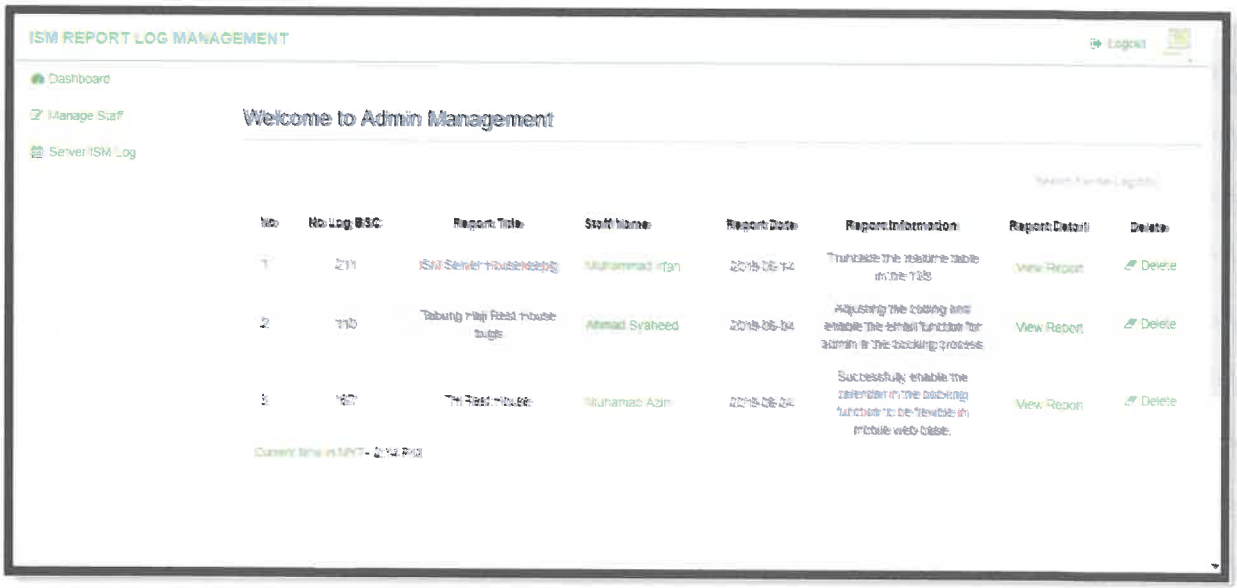
V. Click "Register Staff" to view register staff interface.



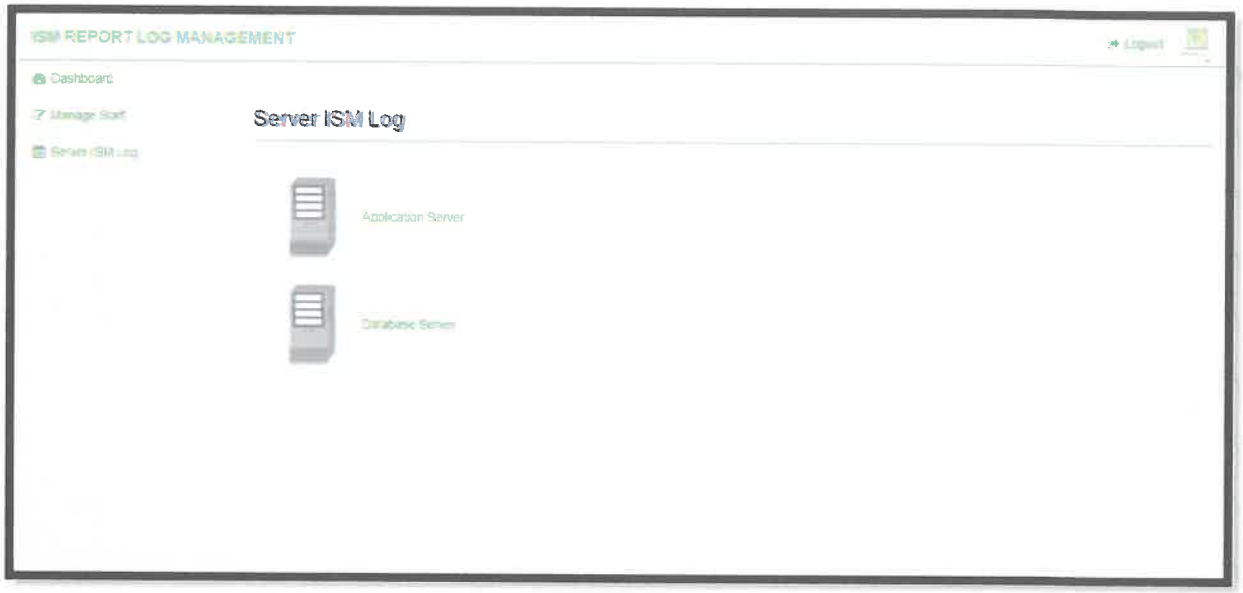
VI. Fill all the information needed and click button “Add”.

3. View ISM Server Log.

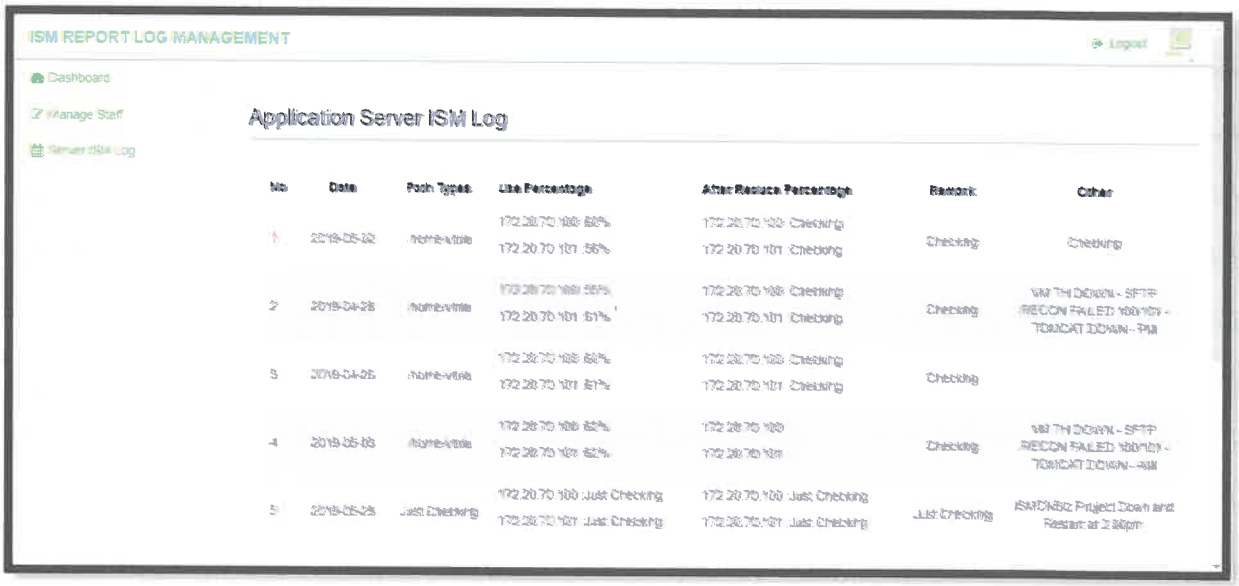
I. Go to the admin “Dashboard” and click “ISM Server Log”.



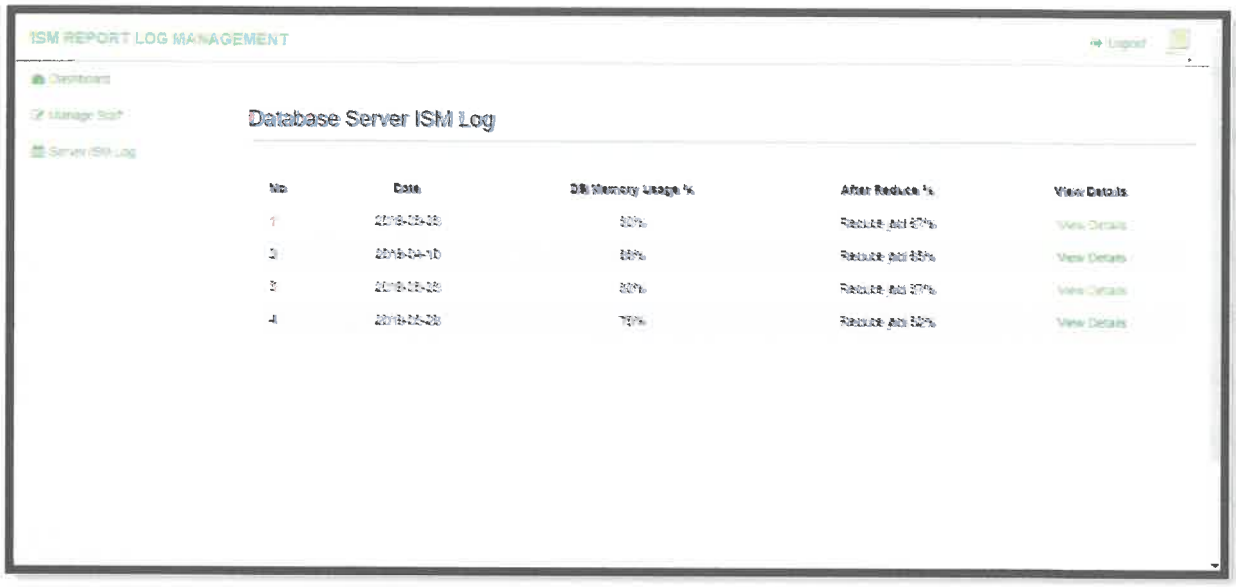
II. ISM Server Log Menu interface. Choose "Application Server" to view application server log and "Database Server" to view database server log.



III. ISM Application Server Log interface.



IV. ISM Database Server Log interface. Click "View Details" to view details log information.



V. ISM Database Server Log details information.

DATE : 1 / 2 / 2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am - 12.30 pm	
Signing the contract and the regulation of the company.	
Human Resources department brief the nature of business of the company and the condition and policy that need to be follow during the practical training.	
2.30 pm - 5.20 pm (Half day)	

PRACTICAL TRAINING
LOG BOOK

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DATE : 4/2/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am - 12.30 pm	
Report Duty at Lembaga Tabung Haji Headquoters (Information Technology Department)	
En Zadi which is the project manager explain the task that will be do during the practical training period and also joining the team which called ISM.	
2.00 pm - 5.30 pm (Half day)	
-	

PRACTICAL TRAINING
LOG BOOK
UNIVERSITI TEKNOLOGI MARA

DATE : 7/2/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am - 12.30 pm.	
Puan Aini which is one of the ISM members explain about the function, roles and operation of ISM.	
Learn about Linux which consist how to use, the command code and also the types of server that maintain by the ISM team.	
2.00 pm - 5.30 pm	
Joining the team for a meeting which discussing and planning backup of the data that store in the server.	

PRACTICAL TRAINING
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DATE : 8/2/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am – 12.30 pm.	
Puan Aini explain about the types of online banking that cooperate tabung Haji system.	
Learning the specific transaction between third party with tabung Haji.	
2.00 pm – 5.30 pm.	
Puan Aini explain details about tabung Haji system which are HSM manager and BITCOM. Consoles	
Try to explore and understand the process of the system.	
Updating the ISM server Log.	

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DATE : 11/2/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am — 12.30 pm	
One of ISM members, En Aswad, explain to me the software that use for the signon process and testing Linux command.	
2.00 pm – 5.30 pm	
Try some simple java function as an introduction for the next task.	

PRACTICAL TRAINING
LOG BOOK
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DATE : 12/2/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am — 12.30 pm	
Monitoring and testing the systems which are Hms manager and Bi com if have any error or bugs.	
Trying some Linux command to adapt for the next task.	
2:00 pm — 5.30 pm.	
Searching some PHP system example for an idea for the special project.	

PRACTICAL TRAINING
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DATE : 13/2/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am - 12.30 pm.	
Puan Aini teach about how to do the house keeping services for the server using Linux or a medium. She show how to copy a data from the resources server to beckup server and also the way to delete data for decrease the server storage.	
2.30 pm — 5.30 pm.	
Try some Linux command as a training to familiar with the cole.	

PRACTICAL TRAINING
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DATE : 14 / 2 / 2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am — 12.30 pm	
Start reviewing my final	
report requirement and	
also for the special	
project. The report consist	
of several part which	
relate to the organization,	
daily activities and also	
the special project.	
2.00 pm — 5.30 pm.	
Completing part 1 and part 2	
of the report. Then I just	
reviewing ideas for my	
special project on the	
internet.	

PRACTICAL TRAINING
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DATE : 15 / 2 / 2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am — 12.30 pm.	
Updating the ISM Server Log	
that detail given by Puan Ani	
then send back to the	
ISM Team.	
2.00 pm — 5.30 pm.	
Puan Ani explain and show	
the task that will do by next	
week which converting several	
of the system interface fit into	
mobile webase interface.	

PRACTICAL TRAINING
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DATE : 18 / 2 / 2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am — 12.30 pm.	
Puan Alor giving the task	
which one of the system	
interface cannot appear when	
convert it into mobile base	
interface. The system use PHP	
platform so she asking me	
to try fix the problems.	
2.00 pm — 5.30 pm.	
Trying to fix the problem	
that happen to the system,	
which the colendar function	
do not appear when changes	
the interface into	
mobile webbase interface.	

PRACTICAL TRAINING
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UNIVERSITI TEKNOLOGI MARA

DATE : 19/2/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am — 12.30 pm	
Today I just continue the	
task which try to adjust	
the calender function in the	
system which need to fit	
on the screen if it open into	
mobile devices.	
2.00 pm — 5.30 p.m.	
After lunch break, I continue	
the some task which try	
to adjust the function	
in one of the tabung haji	
system that use the	
PHP platform.	

PRACTICAL TRAINING
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DATE : 20/2/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am – 12.30 pm	
For today, I still do the same task which trying to fix the calendar function in the system.	
Some brainstroming and discussion with Puan Nor to generate how to solve the problem that happen in the calender function.	
2.00 pm – 5.30 pm.	
After the lunch break, I just continue my task adjusting the coding for the calendar function in the system.	

DATE : 21/2/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am – 12.30 pm	
In the morning, I continue my previous task, which to enable and adjust the calender function for 7H Rest House which cannot be display if the user use a mobile devices.	
2.00 pm – 5.30 pm.	
After lunch break, as usual, I still continue my previous task that I do before lunch break.	

DATE : 23 / 2 / 2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am — 2.00 pm.	
For today, in the morning Puan Aini do the housekeeping process and sent me the usage detail that need to be update in ISM Server. After that, I continue do my previous task which to adjust the calender function for 7H Rest House.	
2.00 pm — 5.30 pm.	
Discuss with Puan Nor about several ideas to solve the calender function problem. Then trying the method that had been discuss.	

DATE : 25 / 2 / 2018

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am — 12.30 pm.	
For today, I have successful adjust the calendar function for the system then submit it to Puan Nor for testing and reviewing. Explain the coding and also the location that I have made change.	
Puan Aini make a tutorial to use the HMS manager system which to check the signon process.	
Puan Aini ask me to check the signon process of several bank using the HMS manager.	
2.00 pm — 5.30 pm.	
Puan Nor ask to study about how to prevent sql injection PHP codeigniter and anti CSRF Token in PHP codeigniter.	

DATE : 26/2/2018

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am — 12.00 pm.	
Today, Puan Aini request	
to check the signon for	
the bank. Then, I continue	
search the topic related	
to the how to prevent	
sql injection PHP codeinginiter	
2.00 pm — 5.30 pm.	
After lunch break I continue	
searching the same topic	
and also Puan Aini ask to	
update the server ISM	
Log.	

PRACTICAL TRAINING
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DATE : 27/2/2018

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am — 12.30 pm.	
Today, I try to make	
a research for the second	
topic which is how to	
generate CSRF token in	
PHP codeigniter.	
2.00 p.m — 5.30 p.m.	
After the lunch break, I	
continue my research to	
know the way or the	
steps how to generate the	
CSRF token in PHP codigniter	
to protect the system from	
CSRF.	

PRACTICAL TRAINING
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DATE : 28/2/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am —— 12.20 pm.	
For today, I completing	
all the practical	
training form and report	
that need to sent to	
Madam Anis, then I continue	
study the same topic	
which are how to prevent	
sql injection in PHP codeigniter	
and also how to generate CSRF	
token for php codeigniter.	
2.00 pm —— 5.30 pm.	
After the lunch break, a discussion	
had been made between me and	
Puan Nor. She said that the	
topic that I study is an alternative	
to know the way to prevent	
the Tebung Haji Rest House	
System hacked by others.	

DATE : 1/3/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.20 am — 12.20 pm.	
In the morning, Puan Aini ask	
me to make a sign on that	
requested by the bank. Then, I	
continue study about sql	
injection in PHP codeigniter	
and also how to enable	
php codeigniter's token to	
prevent from CSRF.	
2.00 pm - 5.30 pm.	
After the lunch break Puan Aini	
sent to me several picture of house	
keeping process that need to be	
update into ISM server log	
Report. After that, I continue study	
about	

DATE : 4/3/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am – 12.30 pm.	
For today, Puan Nor give	
me a new task. Several	
name from Tabung Haji	
Rest House system need to be	
change into a new name, so	
Puan Nor ask me to make a list	
the file name and also the location	
that consist the name that need	
to be change.	
1.00pm – 5.30 pm.	
After the lunch break, I continue	
the task which make a list	
of the file name and location that	
consist the name that need to	
be change.	

PRACTICAL TRAINING
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DATE : 5/3/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am – 12.30 pm.	
For today, I continue my task	
which make a listing of the	
file name and also the location	
that consist the name that need	
to be changes. Beside that, I also	
start designing a system for my	
special project.	
2:00 pm – 5.30 pm.	
After the lunch break, I do the	
same task which is make a listing	
of the file name and also the	
location that consist the name	
that need to be changes.	

PRACTICAL TRAINING
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UNIVERSITI TEKNOLOGI MARA

DATE : 6/3/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am — 12.30 pm.	
For today, in the morning, I completing my task to make a listing of the file name and location and email it to Puan Nor. After that, I designing my special project interface and also planning the function the will be implement in the system.	
2.00pm — 5.30 pm.	
After the lunch break, I continue designing my special project system interface. I start arrage the coding and also the text that suitable in my system interface.	

DATE : 7/3/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30, am — 12.30 pm.	
In the morning, I not receive any new task yet, so I continue developing and arrage the coding for my system interface. I also searching the example of system that relate that relate to my special project system on the internet.	
2.00 pm — 5.30 pm.	
After the lunch break, one of my team members, En. Aswad together with me make a house keeping process for the server. En. Aswad teach me the steps to do the house keeping process. I also capture several picture that consist information that need to be upade ine into ISM server Log. After that I updating the ISM server log and email it to ISM members.	

DATE : 8/7/2019.

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am – 12.30 pm.	
In the morning, I continue do my special project.. I completing several interface of my system which is the deshboard interface for user and also new report interface. After that, I also try to search any special function that can be impiement into my system on the internet.	
2.00 pm – 5.30 pm.	
After the lunch break, Aswad and me make the house keeping process; For this time. I do the the house keeping process monitored by En. Aswad. After completing the house keeping process, as usual I have to update into ISM Server Log and email it to ISM Team members.	

DATE : 11/2/2018.

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am – 12.30 pm.	
In the morning, I not receive any new task yet, so I continue do my special project. At this time, I successful creating my main function for the system which new report interface and generate the data that have be insert in the new report form direct to the database.	
2.00 pm – 5.30 pm.	
After the lunch break, my team members Aswad, give me a softcopy of e-book title introduction of Java languages for dummies so, I learn a little bit about Java languages. After that I just continue do my special project.	

DATE : 12/2/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am — 12.00 pm.	
In the morning, I receive new task by Puan Nor which to insert picture into housekeeping documentation, but to complete this task I have to wait for the housekeeping process to snap the picture that required in the documentation. After that, I also receive another task SignOn for Bank Rakyat. For this process, I have to ensure the IP address is accurate base on the bank. using the Bicpin system, then I can SignOn the bank requests using HSM manager.	
2.00 pm — 5.30 pm.	
After the lunch break, Puan Aini request to SignOn again for Bank Rakyat, I do the seme process but I have to change the IP address first base on the bank request and sign on using Hsm manager.	

DATE : 13/3/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am - 12 pm.	
in the morning Puan Aini ask me to SignOn to HSM manager base on the bank that requested. I have to ensure the IP address accurate according to the types of the bank then signOn using Hsm Manager. After that I just continue my special project.	
2.00 pm — 5:30 pm.	
After lunch break, Puan Aini ask me again to SignOn for another bank request. Seme as usual, I have to check the IP address first before SignOn the bank. After that, I create a documentation for SignOn to BKRM as a reference	

DATE : 14/3/2019.

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am – 12.30 pm.	
In the morning, as usual Puan Aini will ask me to make a signon base on the bank request. After that, I meet Puan Aini to check my documentation which the step for signOn to BKPM wether the step is right or not.	
12.30 pm – 5.30 pm.	
After lunch break, Puan Aini ask me to signon for another bank that make a request, then I just continue do my special project because do not receive any new task yet.	

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DATE : 15/3/2019.

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am, – 12.30 pm.	
In the morning, Puan Aini ask me to SignOn to the bank that requested. After that, I snap several pictures of house keeping process that need to be insert in the Housekeeping documentation. and show it to Puan Nor wether the pictures is suitable or not.	
2.00 pm – 5.30 pm.	
After lunch break, I updating the ISM server Log base on the house kee.ping process that have been made. Puan Aini also ask me to SignOn another bank made a request.	

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DATE : 18 / 3 / 2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am — 12.30 pm.	
In the morning, as usual I will receive a request from Puan Aini to signon for Bank that requested. Then I also have to check the usage of development server whether the usage is more than 80% or not using Linux and specific command. I also have to check the establishment of net also using Linux and specific command.	
2.00 pm - 5.30 pm.	
After lunch break, again I will receive a request from Puan Aini to SignOn for other Bank that requested. For this process, I have to signoff first before signon for another Bank. Then I continue do my special project because do not received any new task.	

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DATE : 19 / 3 / 2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am — 12.30 pm.	
In the morning, as usual I will receive a request from Puan Aini to signon for Bank that requested. I also have to check the memory usage of development server and the net establishment using Linux and specific command.	
2.00 pm — 5.30 pm.	
After lunch break, Puan Aini will inform to me to signon for bank that requested. Before I signon for another bank I have to signoff first the signon that I had made before. After that I just continue do my special project.	

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DATE : 19/3/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am – 12.00 pm.	
in the morning, Puan Aini ask me to check the memory usege for production server. So, I have to go to the production office and ask the office there to login into production server using Linux, then I will use specific Linux command to check the memory usage. After I inform Puan Aini that the memory usege is more then 80 %. After that I also ask by Puan Aini to signon for bank that I requested.	
2.00 pm – 5.30 pm.	
After the lunch break, Puan Aini and me do the housekeeping process. we have to go to the production office and ask the staff to login into production server. using Linux, then we will run specific Linux command to truncade and backup the data.	

DATE : 20/3/2019.

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am — 12.30 pm.	
in the morning, Puan Aini ask me to signon for the bank that requested. After that as usual I have to check the development server memory usage using Linux and specific Linux command. Then I just do my special project.	
2.00 pm — 5.30 pm.	
After the lunch break, again Puan Aini will request to signon for the bank. As usual, I have to signoff first then signon. After that, I just continue do my special project.	

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DATE : 21 / 3 / 2019.

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am — 12.30 pm.	
In the morning, Puan Aini will ask me do Sign On to HMS Manager base on the Bank request. I have to ensure that the IP address is accurate base on the bank. For today, the bank that made a request is Bank Rakyat. Then, I continue do my special project until lunch.	
2.00 pm — 5.30 pm.	
After lunch break, again Puan Aini will ask me to sign On to HMS Manager base on the bank request. The bank that make a sign same which is Bank Rakyat but the types of request is different. So I have to sign off first, change the IP then sign On back. Then, I continue do my special project.	

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DATE : 22 / 3 / 2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am —— 12.30 pm.	
in the morning, as usual Puan Aini will ask me to Sign On to HMS Manager base on the bank request. For today, the banks that me a request ~~is~~ are CIMB Bank and Bank Rakyat. For CIMB Bank, I just Sign On using HMS Manager but for Bank Rakyat, I have to check first the IP address is accurate to the bank using BICOM then sign on using HSM Manager. After that, I just continue do my special project until lunch.	
2.00 pm — 5.30 pm.	
After lunch break Puan Aini ask again to Sign On for Bank Rakyat. So, I have to sign off first then SignOn again. After that, I just continue do my special project until lunch.	

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DATE : 25 / 2 / 2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am — 12.30 pm	
In the morning, Puan Aini request to signOn to HMS manager base on bank that requested. For today, the bank that requested is Bank Rakyat. To do this process I have to use HMS Manager to SignOn and BIcom consoles to check the IP address. Then, I also have to check the usage memory of development server. I have to login to Linux and use specific command. After that, I just continue do my special project.	
2.00 pm — 5.30 pm.	
After lunch break, again Puan Aini ask to signOn for Bank Rakyat but different IP. I have to signoff first using HMS manager then signon back. After that, I just continue do my special project.	

DATE : 26 / 2 / 2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am — 12.30 pm.	
In the morning, as usual Puan Aini ask me to signon to HMS Manager base on the Bank request. For today the banks that make request are CIMB Bank and Bank Rakyat. For this process, I have to use HMS manager to Sign on and BIcom consoles to check the IP address terminal and also the pot. Then, I just continue my special project.	
2.00 pm — 5.30 pm.	
After lunch break, again Puan Aini ask do to make a signon for Bank Rakyat but different IP address. So, I have to change the IP address first using BIcom console and signon using HMS manager. Then I have to check development server memory usage using Linux and specific command. After that, I just continue do my special project.	

DATE : 27 / 3 / 2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am — 12.30 pm.	
In the morning, I have to check memory usage for Application server and database server. I have to go to production office and ask the staff to login using linux and use specific command. Then, I inform puan Aini the percentage of the memory usage. Puan Aini also ask me to signon to HMS Manager. For today the bank that make a request is Bank Rakyat and CIMB Bank. So I have to signon using HMS Manager and check the IP terminal using Bicom console. After that, I just continue my special project.	
2.00 pm — 5.30 pm.	
After lunch break, Puan Aini and me do the housekeeping process. We have to go to the production office and Login to the both server which are database server and application server. Then we have to use specific command to truncate and backup the server.	

DATE : 28 / 3 / 2019.

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 pm — 12.30 pm.	
In the morning, as usual Puan Aini ask me to signon to HMS Manager. For today, the bank that make a request is Bank Rakyat. I have to check the IP terminal using Bicom console and signon using HMS Manager. Then I have to check the memory usage for development server using Linux and specific command. After that, I just do my special project.	
2.00 pm — 5.30 pm.	
After lunch break, again Puan Aini ask to signon for Bank Rakyat but for different IP. So, I have to change first the IP address using Bicom Consoles and signon using HMS manager. After that, I continue do my special project.	

DATE : 29 / 3 / 2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am — 12.30 pm.	
In the morning, Puan Aini ask me do signon using HMS Manager. For today the bank that me a request is Bank Rakyat. I have to check first the IP terminal using Bicom Console and signon using HMS Manager. Then, I have to check the development server memory usage using Linux and specific command. After that, I just continue do my special project.	
2.00 pm — 5.30 pm.	
After lunch break, again Puan Aini ask me to signon for Bank Rakyat using HMS Manager. So, I have to signoff first then change the IP address using Bicom Console and signon back using HMS Manager. After that, I just continue do my special project.	

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DATE : 1/4/2019.

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am — 12.30 pm	
For today in the morning as usual Puan Aini request to signon for Bank Rakyat. I have to open Bicom console first to check the terminal then signon using HMS Manager. After that, I have to check development server and restart operation. So, I have to open Linux and login to development server and use specific linux command to display the memory usage. After complete do my morning routine, I to continue my special project.	
2.00 pm — 5.30 pm.	
After lunch break, again Puan Aini request to signon for Bank Rakyat. but different IP address. So, I have to signoff first and change the IP address then sign on again. After that, I just continue do my special project.	

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DATE : 2/4/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am — 12.30 pm.	
In the morning, Puan Aini request	
to signon for Bank Rakyat	
and also CIMB Bank. I have to use	
HMS Manager to signon for	
both banks. After that, I login	
to development server using Linux	
and use specific command to	
display the memory usage	
percentage. Then, I continue do	
my special project.	
2.00 pm — 5.30 pm.	
After lunch break, again Puan Aini	
request to signon for Bank Rakyat	
but for different IP. So, I have	
to change first the IP address,	
then use BICOM consoles to	
change the IP and signon	
back using HMS Manager. After	
that, I just continue do my	
special project.	

DATE : 3/4/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am — 12.30 pm.	
In the morning, I went to the	
production office to check the	
database server memory usage. I ask	
the staff to login to the database	
server using Linux and use specific	
command to display the memory	
usage. After that Puan Aini ask me	
to signon for Bank Rakyat using HMS	
Manager and BICOM consoles to check	
the terminal. Then, I just continue	
do my special project.	
2.00 pm — 5.30pm.	
After lunch break, I have to signon	
for Bank Rakyat but different IP	
address. So, I have to adjust first	
the IP and signon back. After that,	
Puan Aini sent me the details	
about Database server that need	
to be update in the server ISM	
Log then email it to other	
ISM Jcom's members. I continue	
do my special project.	

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DATE : 4/4/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am — 12.30 pm.	
In the morning, as usual Puan Aini ask te signon to HMS Manager. For today banks that make a request are Bank Rakydt and CimB Bank. After that, I login to development using linux and use specific command to check and display. server memory usege and also netstat establish ment. Then, I just do my special project.	
2.00 p.m — 5.30 pm.	
After lunch break, Puan Aini ask to do signon for Bank Rakyat others IP. So, I have to signoff first and enange the IP address and signon back. After that I just continue do my special project.	

DATE : 5/4/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am — 12.30 p.m.	
In the morning, I will do my daily routine which check the development server memory usage through Linux. After that, Puan Aini ask me to signon for Bank Rakyat using HMS manager. As usual I have to check first the IP terminal and channel then signon. Then, I continue do my special project.	
2.00pm — 3.30 pm.	
After lunch break, again Puan Aini ask me to signon for Bank Rakyat others IP. I have to signoff first then signon back. To ensure the IP channel is accurate, I have to open Bcom consoles to check the terminal and channel. After that, I just continue my special project.	

DATE : 8/4/2019.

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am — 12.30 pm.	
In the morning, I do my daily routine which cheek the memory usage of development server and also the establishment of restat using Linux and specific command. Then puan Aini ask me to signon for Bank Rakyat and Bank Islem. I have to open Bicom Consoler to check the IP terminal and HMS Manager to signon for the Bank. After that, I just continue do my special project.	
2.00 pm — 5.30 pm.	
After lunch break again Puan Aini ask me to signon for Bank Rakyat but for another IP. So, I have to signoff first then change the IP and signon back. After that, I just continue do my special project.	

DATE : 9/4/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am — 12.30 pm.	
In the morning, Puan Aini ask me to check the memory usage of production server. I went to production office and ask the staff to Login to the server using Linux. Then use specific command to display the usage and inform to Puan Aini. After that I have to signon for Bank Rakyat using Hms Manager. I just continue do my special project.	
2.00 pm — 5.30 pm.	
After lunch break, again I will signon for Bank Rakyat but for another IP. So, I have change the IP using Bicom Consoler and signon back using Hms Manager. After that, I continue do my special project.	

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DATE : 10/4/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am — 92.30 pm.	
In the morning, I check the development server memory usage and also net stat establishment through Linux and use specific command to display the result. Then, Puan Aini ask me to signon for Bank Rakyat using Hms Manager and Bicom Consoles to check the IP terminal. After that I received new task from Puan Ummul which to adjust and enable the email function for admin in the TH Rest House system.	
2.00 pm — 5.30 pm.	
After lunch break, again Puan Aini ask me to signon for Bank Rakyat another IP. I need to signoff first, change the IP address according to the request then signon back. After that, I search and try the coding that suitable for the email function.	

DATE : 11/4/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.50 am — 12.00 pm.	
In the morning, I do my daily routines which check the development server usage and nestat establishment through Linux and use specific command to display the usage. Then, Puan Aini request to signon for Bank Rakyat, so I have to open Bicom console to check the terminal and Hms manager to signon for the bank. After that, I continue the task which to adjust and enable the email function for admin in the TH Rest House System.	
2:00 pm — 5.30 pm.	
After lunch break, again Puan Aini request to signon for Bank Rakyat. I had to change first the IP address and then signon. Then, I continue do my task.	

DATE : 12/4/2019.

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am — 12.30 pm.	
In the morning, I check the memory usage through Linux and use specific command to display the usage. Then, Puan Aini ask me to signon for Bank Rakyat using HMS Manager and check ip terminal using Bicom Console. After that, I continue my task enable and adjust the email function.	
2.00 pm — 5.30 pm	
After lunch break, again Puan Aini request to signon for Bank Rakyat, so I have to change first the IP and signon. After complete the process, I continue do my task.	

DATE : 13/4/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am — 12.30 pm.	
In the morning, i do my daily routines which check the memory usage and restat establishment of development server through Linux and specific command to display the usage. After that, Puan Aini request to signon for Bank Rakyat. So I have to open Bicom Consoles to check the terminal and HMS Manager to signon. Then, I continue do my task which to adjust and enable the admin email function of TH Rest House.	
2.00 pm — 5.00 pm.	
After lunch break, again Puan Aini request to signon for Bank Rakyat another IP address. After complete the process, I continue do my task.	

DATE : 16/4/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am — 12.30 pm.	
In the morning, I check the memory	
usage and nestat establish -	
ment through Linux and specific	
command to display the usage.	
Then, Puan Ani request to signon	
for Bank Islam and Bank Rakyat.	
I have to open HMS Manager to	
signon and Bicom consoles. After that,	
Puan Ani ask to do Housekeeping	
process for the production server.	
I go to the production office and	
ask the staff to login to the	
server through Linux. Then, one of	
the Tabung Haji staff which is	
Hj. Mazli ask me to teach	
him to the house keeping process	
and signon process.	
2.30 pm — 5.30 pm.	
After lunch break, I continue do	
my task which enable the	
admin email function for TH Rest	
House.	

DATE : 17/4/2018

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am — 12.30 pm.	
In the morning, I do my daily routines,	
which check the development memory	
usage and nestat establishment through	
Linux and specific command to display	
the usage. Then, Puan Ani request to	
signon for Bank Rakyat. So, I have	
to open HMS Manager and Bicom	
Consoles to the signon process.	
After that, I continue do the same	
task which to enables the email	
functions for TH Rest House.	
2.00 pm — 5.00 pm.	
After ~~that~~ lunch, break, again Puan Ani	
request to signon for Bank Rakyat	
another IP. So, I have to change	
the IP first using Bicom consoles	
and HMS Manager to signon. After	
that, I continue do my task.	

DATE : 18/4/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am — 12.30 pm.	
In the morning, I do my routines check the memory usage of development server. Puan Aini request to signon for Bank Rakyat. I open BICOM consoles to change the IP and Hms Manager to signon. After that I continue my task which enable and try to adjust the email function for admin in the TH Rest House.	
2.00 pm — 5.30 pm.	
After lunch break, again Puan Aini request to signon for Bank Rakyat (BAU). I open Bicom console to change the IP address for BAU and Hms Manager to signon. After that, I continue my task try to enables the email function.	

DATE : 19/4/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am — 12.30 pm.	
In the morning, I check the memory usage for deve lopen server. I move to login development server through Linux and use specific command to display the memory usage. Puan Aini request to signon for Bank Rakyat (COBRA) and Bank Islam. As usual I move to change the IP address using BICOM consoles and Hms manager to signon. After that I continue my task to enable the email function for TH Rest House.	
2.00pm — 5.30 pm.	
After lunch break. Puan Aini request to signon for Bank Rakyat (BAU) I use Bicom consoles to change the IP and Hms Manager to signon. Then, Puan Aini sent to me several information that need to be update in ism server Log and email back to the ism team. After that, I continue my task.	

DATE : 23/4/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am — 12.30 pm.	
In the morning, as usual, I check the memory usage for development server through Linux. I have to login and use specific command to display the usage. Then, Puan Aini request to signon for Bank Rakyat (COBRA). I have to open BICOM consoles to change the IP and HMS Manager to signon. After that, I continue do my task which enable and try to adjust the email function for TH Rest House.	
2.00 pm — 5.30 pm.	
After lunch break, Puan Aini again request to signon for Bank Rakyat (CBAU). I open BICOM consoles to change the IP and HMS manager to signon. Then, I continue do my previous task.	

DATE : 23/4/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am — 12.30 pm.	
In the morning, I check memory usage for development server through Linux. I login and use specific command to display the memory usage. Then, Puan Aini request to signon for Bank Rakyat and Bank Islam. I open BICOM consoles to change and check the terminal and HMS Manager to signon. After complete the process, I still continue do my task to enable the email function for TH Rest House.	
2.00 pm — 5.30 pm.	
After lunch break, Puan Aini request to signon for Bank Rakyat (CBAU). I open BICOM consoles to change the IP address and HMS manager to signon. After that, I continue my previous task.	

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DATE : 24/4/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am — 12.30 pm.	
In the morning, I check the memory usage for development server. I login to development server through Linux and use specific command to display the usage. Then, Puan Aini request to signon for Bank Rakyat and Bank Islam. I open Bicom Consoles to change and check the IP terminals and HMS Manager to signon. After that, I continue my previous task which enable the email function for 7th Rest House.	
2.00 pm — 5.30 pm.	
After lunch break, I just continue my previous task that I do in the morning.	

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DATE : 25/4/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am — 12.30 pm.	
In the morning, Puan Aini ask me to check the memory usage of production server. I went to the production office and ask the staff to login to the production server. I use specific command to display the memory usage. Then, Puan Nor request to signon for Bank Rakyat and Maybank. I open Bicom consoles to check the IP and HMS Manager to signon. After that, I continue my previous task which to enable the email function.	
2.00 pm — 5.30 pm	
After lunch break, Puan Aini ask to reduce the memory usage of production server. I went to the production office and ask the staff to login the server through Linux. I use specific command to truncate and display the tables. After that, I continue my previous task which I do in the morning	

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DATE : 26/4/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am — 12.30 pm.	
In the morning, I do my daily routines checking memory usage of development server and establisment of nestat. I login through Linux and use specific command to display the usage. Puan Nor request to signon for Bank Rakyat and Bank islam. I open Bicom Consoles to check and adjust the IP and HMS Manager to signon After that, I continue my previous task which enable and adjust the email function for admin.	
2.00 pm — 5.30 pm.	
After lunch break, I continue my previous task that I do in the morning.	

DATE : 30/4/2019.

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am — 12.30 pm.	
In the morning, as usual I check the memory usage of development server, I login through Linux and use specific command to display the usage. Puan Nor request to signon for Bank Rakyat. I open Bicom Consoles to check the IP and HMS Manager to signon. After that, I continue my previous task which enable the email function for admin.	
2.00 pm — 5.30 pm	
After lunch break, Puan Aini request to check memory usage for production server. I go to the production office and ask the staff to login the server the Linux, I use the specific command to display to usage and truncate the tables reduce the server usage. After that, I continue my previous task that I do in the morning.	

DATE : 2/5/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am — 12.30 pm.	
In the morning, as usual I check	
the memory usage of development	
server. Puan Nor request to signon	
for Bank Rakyat. I open BICOM	
Consoles to change the IP and	
UMS Manager to signon. Then, I	
continue do my previous task	
which enable the email function	
for admin in TH Rest House System.	
2.00 pm — 5.30 pm.	
After lunch break, I continue my	
task that I do in the morning.	

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DATE : 3/5/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30, am — 12.30 pm.	
In the morning, I check the memory	
usage for development server.	
Puan Aini ask me to check	
the memory usage for production	
server. I went to the production	
office and use specific command	
on linux to display the memory	
usage. After that Puan Nor request	
to signon for Bank Rakyat and	
Maybank. As usual, I open Bicom	
Consoles to check the IP and	
UMS manager to signon. Then, I	
continue my previous task.	
2.00 pm — 5.30 pm.	
After lunch break Puan Aini sent	
to me several information that	
to be update in ISM server Log	
and email it back to ISM	
Team Members.	

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DATE : 6/5/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.00 am — 1.30 pm	
In the morning, I check the memory usage of development server. Then, Puan Aini request to signon for Bank Rakyat. As usual, I open Bicom consoles and Hms Manager to check the IP and signon. Puan Nor request to create a php file that display date, Hijri date, wukuf day left and wukuf date.	
2.00 pm — 5.00 pm.	
I continue my new task which create a php file that display date, Hijri date, wukuf day left and wukuf date.	

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DATE : 7/5/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am — 1.30 pm	
In the morning, I do my daily routines which check the memory usage of development server and also network statistic through Linux. Then, Puan Nor request to signon for Bank Rakyat. I open Hms Manager to signon and Bicom Consoles to check the IP address. After that, I had a consultation with my supervisor about my special project and system progress.	
2.00 pm — 5.00 pm.	
I continue my previous task which creating a display in a PHP files.	

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DATE : 8/5/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.00 am — 1.30 pm.	
In the morning, I check the the memory usege of development server and also network statistic through Linux. After that, Puan Nor request to signon for bank Rakyat. I open Bicom consoles to check the IP and this manager to signon. Then I continue my task which creating a PHP files that display hijri date, wukuf date and wukuf day left.	
2.00 pm — 5.00 pm.	
I continue my previous task which create a PHP files that display certain information.	

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DATE : 9/5/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.00 am — 1.00 pm	
In the morning, I do my daily routines which checking development server through Linux. After that, Puan Aini request to check production server. I went to the production office and ask the staff to login production server through Linux. I use specific command to display the memory usage. Then, I continue do my special project.	
2.00 pm — 5.00 pm.	
i upating the ism server log and email it back to ism Team Members. After that, I continue my special project.	

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DATE : 10/9/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.00 am — 1.00 pm	
In the morning, I check development server memory usege. I Login to the server through Linux and use specific command to display the usage. After I continue my special project and final report.	
2.00 pm — 5.00 pm.	
Puan Ani sent to several housi keeping information that need to be update in the ism server Log and email il back to the ISM team members. After that, I continue do my special project.	

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DATE : 13/9/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.00 am — 1.00 pm	
In the morning, I login to development server through Linux and use specific command to display the memory usage of development server. I also check the establishment of network statistic of development server. Puan Aini request to signon for Bank Rakyat (COBRA). I open HMS Manager to signon and BiCOM Consoles to check the IP.	
2.00 pm — 5.00 pm	
Puan Aini request to change the IP for Bank Rakyat (COBRA) to another IP and signon back. I open BiCOM consoles to change the IP and HMS Manager to signon	

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DATE : 14/5/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.00 am — 1.00 pm	
In the morning, I check the memory usage of development server through Linux. After that, Puan Aini request to signon for Bank Rakyat (COBRA) I open Bicom consoles to check the IP and Hms Manager to signon. I continue do my special project for industrial training.	
2.00 pm — 5.00 pm	
Puan again request to signon for Bank Rakyat (BAU). After that I continue do my special project.	

DATE : 15/5/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.00 am — 1.00 pm	
In the morning, as usual I login to the server through Linux to display the development server memory usage. Then, Puan Aini request to check the telnet connection with another IP. After that, again Puan Aini request to signon for Bank Rakyat (COBRA). I open Bicom Consoles to check the IP and Hms Manager to signon. I continue do my special project.	
2.00 pm — 5.00 pm.	
Puan Aini request to signon for Bank Rakyat (BAU). I open Bicom Consoles to change the IP and Hms Manager to signon. After that, I continue do my special project.	

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DATE : 16/5/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.00 am — 1.00 pm.	
In the morning, as usual I check the memory usage of development server. I login through Linux and use specific command to display the memory usage. Puan Aini request to signon for Bank Rakyat (CUBRA). First, I have to try a new IP that requested by Puan Aini, if error, I signon to the IP that I usualy I signon. I continue do my special project.	
2.00 pm — 5.00 pm.	
Puan Ani request to signon for Bank Rakyat (BAU). I open Bicom consoles to change the IP address and HMS Manager to signon. After that, I continue do my special project.	

DATE : 17/5/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.00 am — 1.00 pm.	
In the morning, I login to the development server through Linux and use specific command to display the memory usage and also the network statistic (netstat) establishment. Then, Puan Aini request to sign on for Bank Rakyat (CUBRA). As usual, I open Bicom consoles to check the ip and HMS Manager to signon.	
2.00 — 5.00 pm.	
Puan Aini again request to sign on for Bank Rakyat (BAU). I open HMS Manager to signoff first, then change the IP the IP to BAU using Bicom Consoles and open back HMS Manager to signon.	

DATE : 31/5/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.00 am — 1.00 pm	
In the morning, I login to development server through Linux and use specific command to display the memory usage of development server. Puan Nor request to sign on for Bank Rakyat (COBRA). I open Bicom Consoles to check the IP and Hms Manager to signon. For this process, there were an error, so, I check in the log of server and reported to IMS Team members.	
2.00 pm — 5.00 pm.	
Puan Hasnor request to signon for Bank Rakyat (BAU). I open Hms Manager to signoff (COBRA), and BICOM Consoles to check the IP, and open Hms Manager back to signon.	

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DATE : 23/4/2019.

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.00 am — 1.00 pm.	
In the morning, I login to the development server through Linux. I use specific command to display the memory usage and network statistic (netstat) establishment. Puan Aini request to signon for Bank Rakyat (COBRA). I open Bicom Consoles to check the IP address and Hms Manager to signon.	
2.00 pm — 5.00 pm.	
Puan Aini again request to signon for Bank Rakyat (COBRA) but for different IP. After that, I continue do my special project.	

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DATE : 24/5/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.00 am — 1.00 pm	
In the morning, as usual, I login	
to development server through	
Linux and use specific command	
to display the server memory	
usage and network statistic (netstat)	
establishment. Puan Hasnor request	
to signon for Bank Rakyat	
(COBRA), I open BiCOM Consoles	
to check the IP and Hms Manager	
to signon.	
2.00 pm — 5.00 pm	
Puan Nini sent to me several	
images that need to be update	
in the ISM server Log. After	
update all the information, I email	
it back to the ISM Team members.	
Puan Hasnor request to signon	
for Bank Rakyat (BAU). As usual,	
I open Bicom consoles to change the	
IP and Hms Manager to signon.	

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DATE : 27/5/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.00 am — 1.00 pm.	
In the morning, as usual, I login	
to development server and use	
specific command to display the	
server memory usage and network	
statistic (netstat) establishment.	
Puan Hasnor request to signon	
for Bank Rakyat (COBRA), I open	
BiCOM Consoles to check the	
IP and Hms Manager to signon.	
2.00 pm — 5.00 pm.	
Puan Hasnor again request to	
signon for Bank Rakyat (BAU).	
I open Hms Manager to sign off	
first, Bicom consoles to change	
the IP and Hms Manager to	
signon back.	

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DATE : 28/5/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.00 am — 1.00 pm.	
In the morning, i login to development server through Linux. I use specific command to display the development memory usage and network statistic (Cnetstat) establishment. Puan Aini request to signon for bank Rakyat (COBRA). i open BIcom consoles to check the IP and Hms Manager to signon.	
2.00 pm — 5.00 pm.	
Again Puan Aini request to signon for Bank Rakyat (BAU). i open Hms Manager to signoff first, and Bicom consoles to check and change the IP. i open Hms manager back to signon.	

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DATE : 29/5/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.00 am — 1.00 pm.	
In the morning, I login to development server and use specific command to display the development server. Puan Aini request to signon for Bank Rakyat (COBRA). I open Bicom consoles to check the IP and Hms Manager to signon. After that, Puan Aini ask me to do housekeeping process for production server. I went to the production office and ask for the staff to login to the production server through Linux. I use specific command to display the production server memory usage and to truncate the table to reduce the server memory	
2.00 pm — 5.00 pm.	
Puan Aini request to signon for Bank Rakyat (BAU). i open Bicom Consoles to change the and Hms Manager to signon.	

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DATE : 30/5/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.00 am — 1.00 pm.	
In the morning, I login to development server and use specific command to display the development server memory usage and network statistic (netstat) establishment. Puan Aini as usual request to signon for Bank Rakyat (COBRA). I open Bicom Consoles to check the IP and HMS Manager to signon.	
2.00 pm — 5.00 pm.	
I just continue do my special project for practical training.	

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DATE : 31/5/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.00 am — 1.00 pm.	
In the morning as usual I login to the development server. I use specific linux command to display the server memory usage and also net stat establishment. After that, Puan Hasnor request to signon for Bank Rakyat (COBRA). I open Bicom Consoles to check the IP address and HMS Manager to signon.	
2.00 pm — 5.00 pm.	
I continue do my special project for the industrial trainning.	

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DATE : 11/6/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am — 12.30 pm	
In the morning, Puan Aini request to sign on for Bank Rakyat (Cobra). I open BIcom consoles to check the IP address setup and HMS Manager to signon. After that, I login to the development server through Linux and use specific command to display the server memory usage and network statistic (netstat) establishment.	
2.00 pm — 5.30 pm.	
After lunch break, I continue do my special project that will be present to the university supervisor soon.	

DATE : 12/6/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am — 12.30 pm.	
In the morning, I login to development server through Linux and use specific command to display to server memory usage and network statistic (netstat) establishment. After that, Puan Aini request to signon for Bank Rakyat (Cobra). I open BIcom Consoles to check the IP and HMS Manager to signon. Later, again Puan Aini request to signon for Bank Rakyat (BAU) atm only. I open BIcom Consoles to change the IP and HMS Manager to signon again.	
2.00 pm — 5.30 pm.	
Puan Aini request to signon for Bank Islam. As usual I open HMS manager to signon for the Bank.	

DATE : 13/6/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am —— 12.30 pm.	
In the morning, as usual, I login	
to development server through	
Linux and use specific command	
to display the server memory	
usage and network statistic	
(netstat) establishment. Puan Aini	
request to signon for Bank	
Rakyat (COBRA). I open Bicom	
Consoles to check the IP address	
and HMS Manager to signon.	
After that, Puan Aini request to	
to check the Production server	
memory usage. I go to the	
production office, ask the staff	
for login the production server	
and use specific command to display	
the memory usage. Then I inform	
back to the ISM team members.	
2.00 pm — 5.30 pm.	
Puan Aini request to make	
a simulation for Haji Registration.	
I open Bicom consoles, adjust the	
input message then execute back in	
ATM testing.	

DATE : 14/6/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am —— 12.30 pm.	
In the morning, Puan Aini request	
to signon for Bank Rakyat	
(COBRA). I open Bicom consoles	
to check and change the IP	
and HMS manager to signon.	
After that, again puan Aini request	
to make a simulation for	
Tabung Haji Registration. I open	
Bicom Consoles to check the	
raw message and change it	
according date and time today	
then run it back. I inform	
back to puan Aini the raw	
message that publish.	
2.00 — 5.30 pm.	
Puan Aini request to signon	
for Bank Rakyat (BAU) and	
Bo may Bank (MBB). As usual	
I open Bicom consoles to	
change and check the IP	
and also HMS manager to	
signon.	

DATE : 17/6/2019.

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am — 12.30 pm.	
In the morning, I login to the development server through Linux and use specific command to display the server memory usage and network statistic (netstat) establishment. Puan Aini request to signon for Bank Rakyat (COBRA). I open BiCOM consoles to check and change the IP and HMS Manager to signon.	
2.00 pm — 5.30 pm.	
After lunch break, Puan Hasnor request to do signon for May Bank. As usual, I open HMS manager to signon.	

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DATE : 19/6/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am — 12.30 pm	
In the morning, as usual I login to development server and use specific command to display the server memory usage and network statistic (netstat) establishment. Puan Aini request to signon for Bank Rakyat (COBRA). As usual, I open BiCOM consoles to change and check the IP address and HMS Manager to signon. A minutes later, again Puan Aini request to signon for Bank Rakyat (BBK). I do the seme process before.	

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DATE : 20 / 6 / 2019.

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am — 12.30 pm.	
In the morning, as usual I login to development server through Linux and use specific command to display the server memory usage and also network statistic (netstat) establishment. Puan Aini request to signon for Bank Rakyat (COBRA) AIM and Unifeller. I open Bicom Consoles to check and change the IP and Hms manager signon.	
2.00 pm — 5.30 pm	
After lunch break, again Puan Aini request to do signon for Bank Rakyat (BAU). I open Bicom Consoles to change the IP and Hms manager to signon.	

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DATE : 21 / 6 / 2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am — 12.30 pm	
In the morning, I login to development server through Linux and use specific command to display to server memory usage and network statistic. Puan Aini request to signon for Bank Rakyat (COBRA). As usual, I open Bicom Consoles to change and check the IP and Hms Manager to signon.	
2.00pm — 5.30 pm.	
After lunch break, again Puan Aini request to signon for Bank Rakyat (BAU). I have to signoff first using Hms manager and change the IP using Bicom consoles. Then, I open back Hms manager to signon.	

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DATE : 24/6/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am — 12.30 pm	
In the morning, Puan Aini request	
to signon for Bank Islam (COBRA).	
As usual, I open Bicom Consoles	
to check and changes the IP and	
Hms Manager to do the signon	
process. After compiele the process	
I inform back to Puan Aini.	
I login to the development	
server through Linux and use	
specific commend to display the	
server memory usage.	
2.00 pm — 5.30 p.m.	
After lunch break, Puan Aini request	
to signon for Bank Rakyat (CBAu)	
and Bank Islam. As usual, I open	
Bicom Consoles to changes the IP	
and Hms Manager to signon.	

DATE : 25/6/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am — 12.30 pm	
In the morning, as usual I login	
to the development server through	
Linux. I use specific command to display	
the development server memory	
usage and network statistic. Puan	
Aini request to signon for Bank	
Rakyat (CCBRAI). I open Bicom	
Consoles to change the IP address	
and Hms Manager to signon.	
2.00 pm — 5.30 pm	
After lunch break Puan Aini request	
to signon for Bank Rakyat and	
Bank Islam. As usual, I open	
Bicom consoles to change and	
check the IP and Hms Manager	
to signon.	

DATE : 26/6/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am — 12.30 pm.	
In the morning, i open Putty configuration and login to the development server through Linux. I use specific command to display the server memory usage and network statistic establishment. Puan Aini request to signon for Bank Rakyat (COBRA). I open BICOM Consoles to change and check the IP and Hms manager to signon.	
2.00 pm — 5.30 pm.	
After lunch break, again Puan Aini request to signon for Bank Rakyat (BAU). As usual, i open Bicom consoles to change the IP. and Hms manager to signon.	

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DATE : 27/6/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am — 12.30 pm.	
In the morning, i login to the development server through Linux. I use specific command to display the server memory useage and network statistic establishment. Puan Aini request to signon for Bank Rakyat (COBRA). As usual, I open Bicom consoles to check the IP address and Hms manager to signon to the bank.	
2.00 pm — 5.30 pm.	
After lunch break, Puan Aini request to signon for Bank Rakyat (BAU) and Bank Islam. Again, i open Bicom Consoles to change and check the IP and Hms manager to signon.	

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DATE : 28/6/2019

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS
8.30 am — 12.30 pm	
In the morning, as usual I open putty and login to development server through Linux. I use specific command to display the development memory useage. Puan Aini request to sign on for Bank Rakyat (COBRA). I open BICOM Consoles to change and check the IP and Hms Manager to sign on. I login to the development server through Linux and go to the bicom' log files. I use specific command to check the connection of the IP address connect to the accurate port.	
1.00 pm — 5.30 pm.	
After lunch break, Puan Aini request to sign on for Bank Rakyat (BANK). As usual, I open BICOM Consoles to change the IP and Hms Manager to sign on.	

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DATE : _____

EXTRACT NATURE OF WORK DONE	SUPERVISOR REMARKS

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